

# Service Manual

## SERVICE PARTS & DIAGRAMS

**BENDPAK**

# HDS-18EA

PRODUCT SKU

**5175969**

DRAWING Nº

**5260605**

CATEGORY

**Four Post Lift**

REV

**Version J**

DATE

**08.29.2022**



**BendPak.**

This guide is a troubleshooting reference used for maintaining and servicing your Bend Pak product. It provides comprehensive information on identifying serviceable parts and components and assists in troubleshooting problems and performing assembly /disassembly procedures.

### **BendPak, Inc. Corporate Office**

1645 Lemonwood Drive  
Santa Paula, CA 93060 USA  
Toll Free US/Canada: 1-800-253-2363  
Fax: 1-805-933-9160  
info@bendpak.com

### **Customer Service Desk / Warranty**

Customer Service Representatives  
Office Tel: 1-805-933-9970  
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Fax: 1-805-933-9160  
customerservice@bendpak.com

### **Parts Orders**

Customer Service Representatives  
Office Tel: 1-805-933-9970  
Toll Free US/Canada: 1-800-253-2363  
Fax: 1-805-933-9160  
parts@bendpak.com

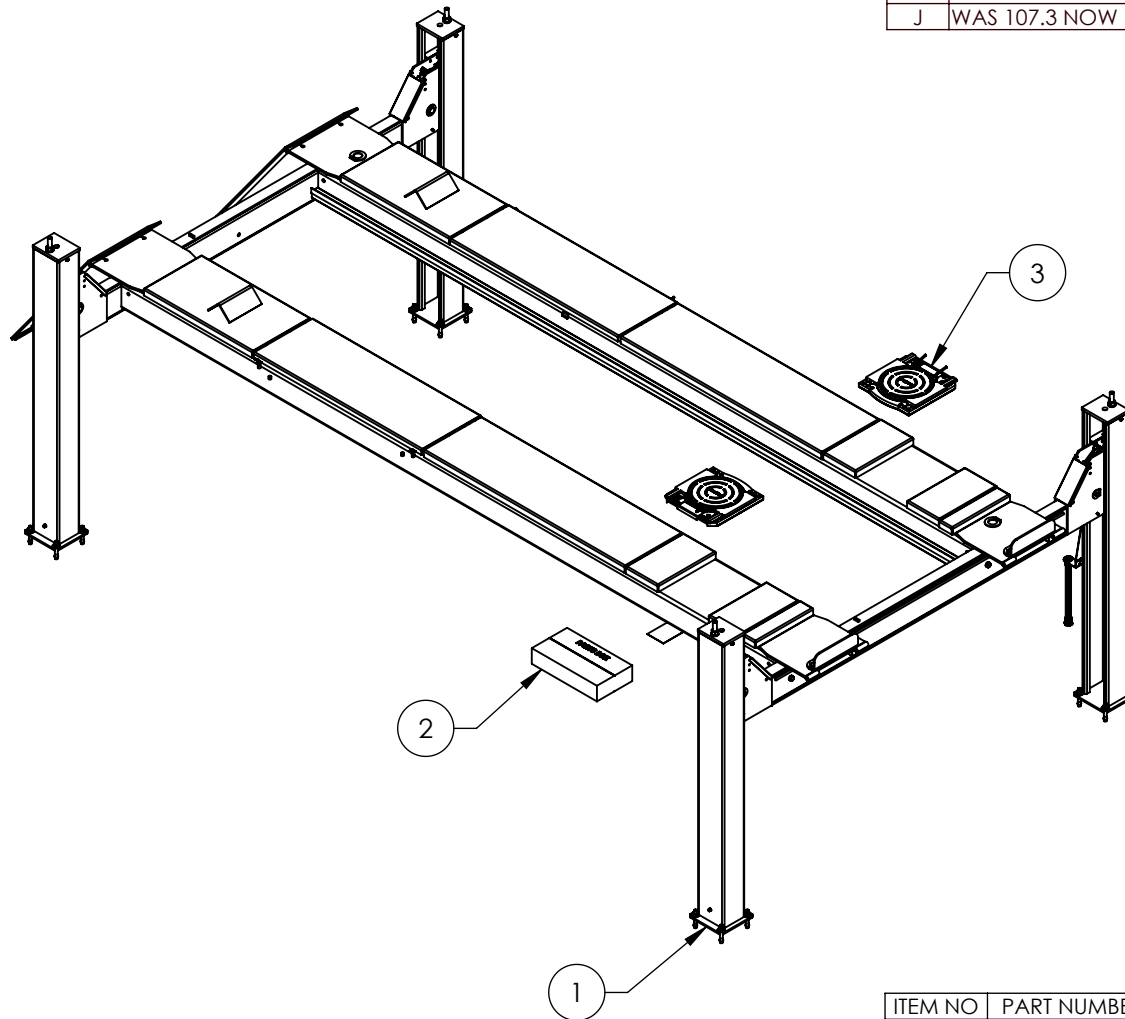
### **Domestic Sales & Service**

USA Sales Representatives  
Office Tel: 1-805-933-9970  
Toll Free US/Canada: 1-800-253-2363  
Fax: 1-805-933-9160  
sales@bendpak.com

### **International Sales & Service**

Office Tel: 1-805-933-9970  
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Ext. Toll Free US/Canada: 1-800-253-2363  
Fax: 1-805-933-9160  
bpkexports@bendpak.com

| REVISION |                                           |            |           |       |
|----------|-------------------------------------------|------------|-----------|-------|
| REV      | DESCRIPTION                               | DATE       | EDITED BY | ECO#  |
| G        | UPDATED BOM REVISION                      | 01/11/2022 | TM        | 01378 |
| H        | UPDATED BOM REVISION                      | 05/25/2022 | TM        | 01414 |
| J        | WAS 107.3 NOW 108.7, UPDATED BOM REVISION | 08/08/2022 | TM        | 01436 |



**NOTE: UNLESS OTHERWISE SPECIFIED.**

1. REFER TO MODEL FOR ADDITIONAL INFORMATION
2. SEE SHIPPING INSTRUCTIONS FOR FINAL PACKAGING
3. SEE COLORS & GRAPHICS FOR LABEL PLACEMENT

| ITEM NO | PART NUMBER | DESCRIPTION                                              | QTY | REV |
|---------|-------------|----------------------------------------------------------|-----|-----|
| 1       | 5245089     | HDS-18EA LIFT SUPERSTRUCTURE                             | 1   | G   |
| 2       | 5250286     | HDS-18EA PARTS BOX                                       | 1   | K   |
| 3       | 5700236     | ALUMINUM DELUXE ALIGNMENT TURNPLATE ASSEMBLY, SET OF TWO | 1   | B   |

DO NOT SCALE DRAWING

| NAME       | DATE       |
|------------|------------|
| DRAWN TM   | 12/16/2019 |
| CHECKED OR | 08/16/2022 |

DIMENSIONS ARE IN MM



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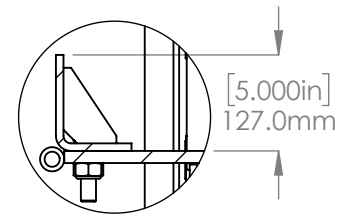
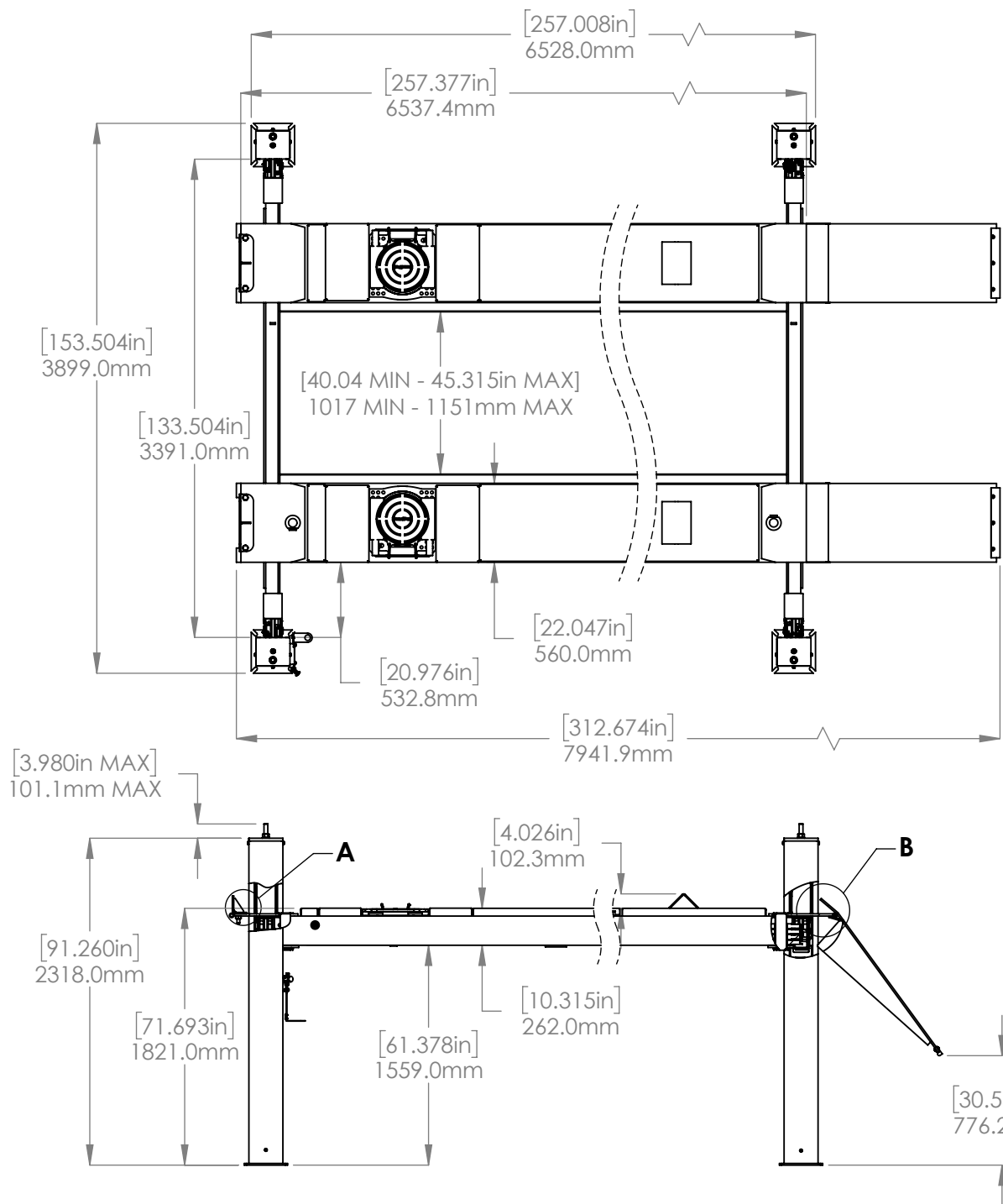


TITLE: HDS-18EA PRODUCTION  
LIFT VER D (CE CERT)

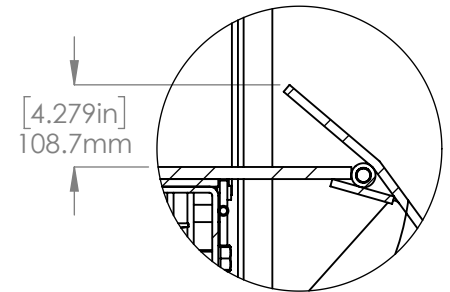
| SIZE | DWG. NO. | REV |
|------|----------|-----|
| A    | 5260605  | J   |

SCALE: 1:50

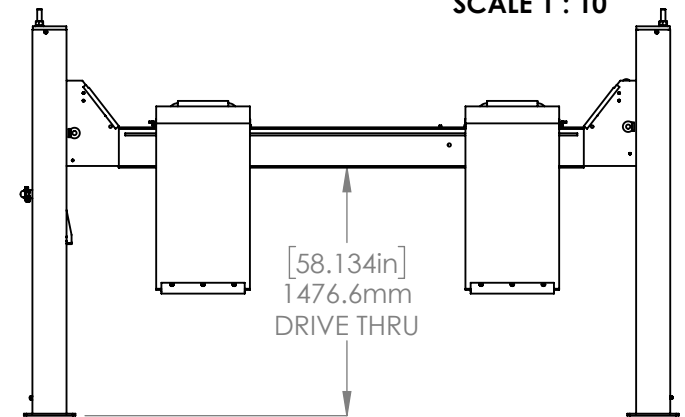
SHEET 1 OF 3



**DETAIL A**  
SCALE 1 : 10

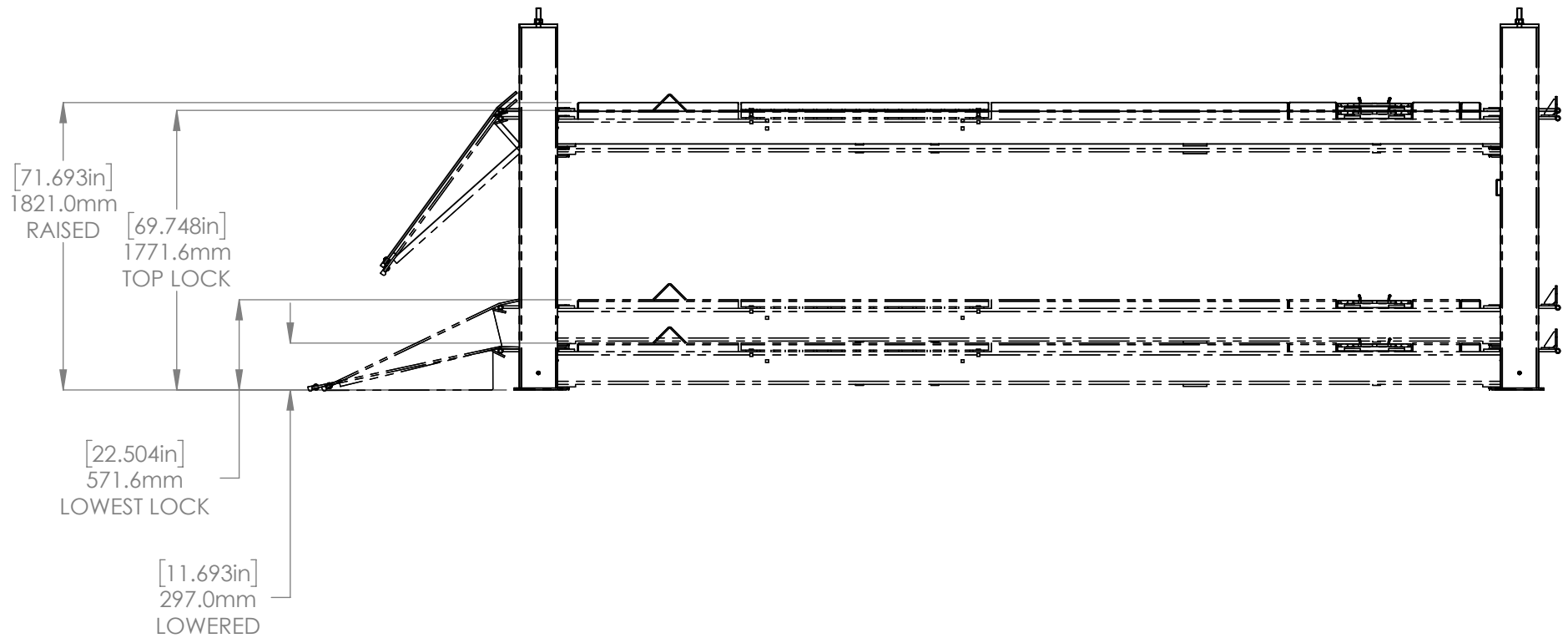


**DETAIL B**  
SCALE 1 : 10



FRONT VIEW

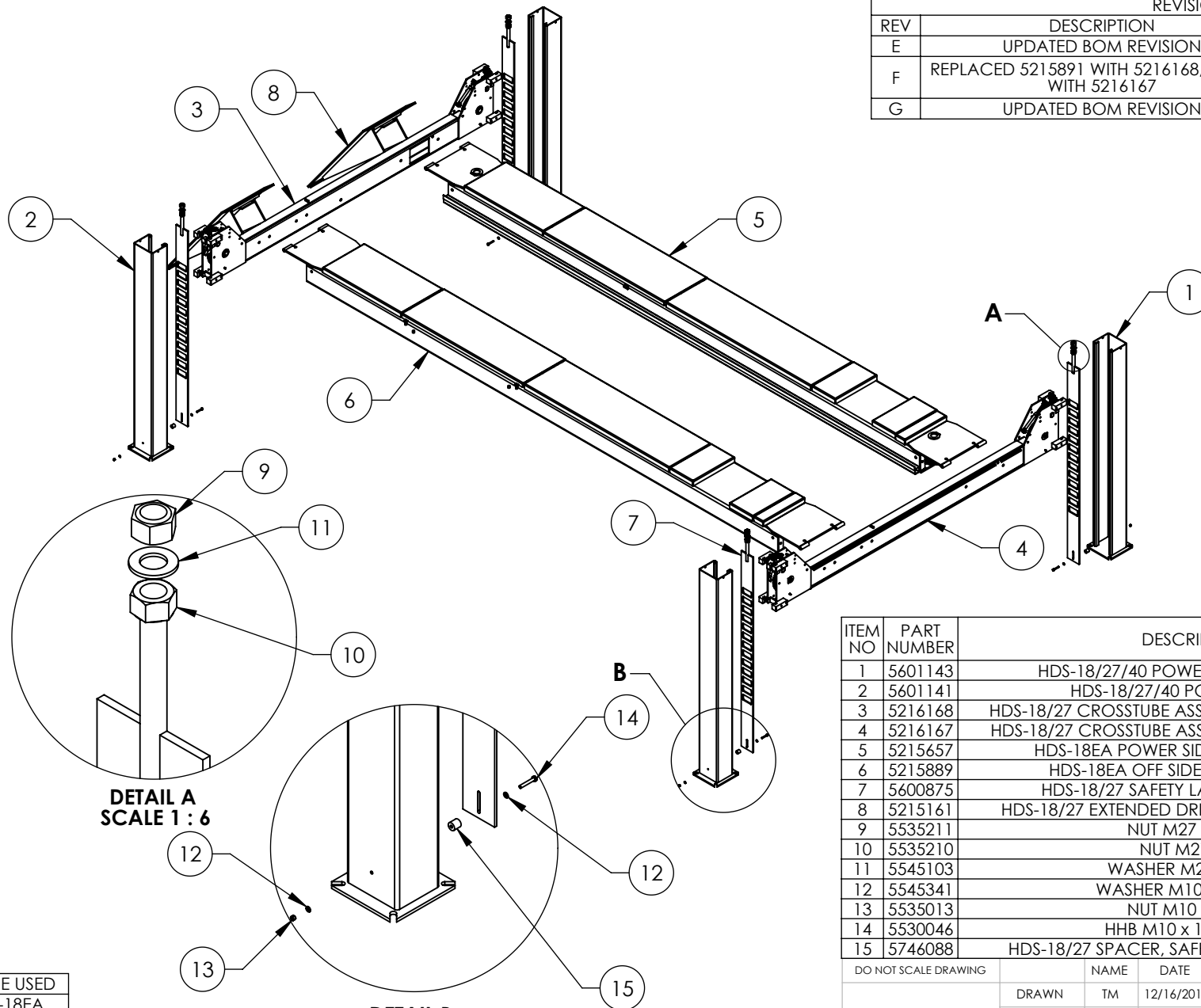
|                                                                   |          |              |
|-------------------------------------------------------------------|----------|--------------|
| <b>BP BendPak.</b><br>1645 LEMONWOOD DR.<br>SANTA PAULA, CA 93060 |          |              |
| TITLE: HDS-18EA PRODUCTION<br>LIFT VER D (CE CERT)                |          |              |
| SIZE                                                              | DWG. NO. | REV          |
| <b>A</b>                                                          | 5260605  | J            |
| SCALE: 1:45                                                       |          | SHEET 2 OF 3 |



1. DIMENSIONS ARE WITH THE LOCK LADDER ADJUSTED ALL THE WAY UP

|                                                                   |          |              |
|-------------------------------------------------------------------|----------|--------------|
| <b>BP BendPak.</b><br>1645 LEMONWOOD DR.<br>SANTA PAULA, CA 93060 |          |              |
| TITLE: HDS-18EA PRODUCTION<br>LIFT VER D (CE CERT)                |          |              |
| SIZE                                                              | DWG. NO. | REV          |
| <b>A</b>                                                          | 5260605  | J            |
| SCALE: 1:40                                                       |          | SHEET 3 OF 3 |

| REVISION |                                                     |            |           |       |
|----------|-----------------------------------------------------|------------|-----------|-------|
| REV      | DESCRIPTION                                         | DATE       | EDITED BY | ECO#  |
| E        | UPDATED BOM REVISION                                | 01/11/2022 | TM        | 01378 |
| F        | REPLACED 5215891 WITH 5216168, 5215890 WITH 5216167 | 05/23/2022 | TM        | 01414 |
| G        | UPDATED BOM REVISION                                | 08/08/2022 | TM        | 01436 |



**DETAIL A**  
SCALE 1 : 6

**DETAIL B**  
SCALE 1 : 20

WHERE USED  
HDS-18EA

**NOTE: UNLESS OTHERWISE SPECIFIED.**

1. REFER TO MODEL FOR ADDITIONAL INFORMATION
2. FASTEN NUTS AND WASHERS TO SAFETY LADDERS IN ORDER SHOWN FOR SHIPMENT
3. SEE SHIPPING INSTRUCTIONS FOR FINAL PACKAGING

| ITEM NO | PART NUMBER | DESCRIPTION                                | QTY | REV |
|---------|-------------|--------------------------------------------|-----|-----|
| 1       | 5601143     | HDS-18/27/40 POWER POST WELDMENT           | 1   | B   |
| 2       | 5601141     | HDS-18/27/40 POST WELDMENT                 | 3   | B   |
| 3       | 5216168     | HDS-18/27 CROSSTUBE ASSEMBLY, LARGE WINDOW | 1   | A   |
| 4       | 5216167     | HDS-18/27 CROSSTUBE ASSEMBLY, SMALL WINDOW | 1   | A   |
| 5       | 5215657     | HDS-18EA POWER SIDE RAMP ASSEMBLY          | 1   | L   |
| 6       | 5215889     | HDS-18EA OFF SIDE RAMP ASSEMBLY            | 1   | B   |
| 7       | 5600875     | HDS-18/27 SAFETY LADDER WELDMENT           | 4   | C   |
| 8       | 5215161     | HDS-18/27 EXTENDED DRIVE UP RAMP ASSEMBLY  | 2   | K   |
| 9       | 5535211     | NUT M27 x 3.0 NL                           | 4   | --  |
| 10      | 5535210     | NUT M27 x 3.0                              | 4   | --  |
| 11      | 5545103     | WASHER M27 x 50mm                          | 4   | --  |
| 12      | 5545341     | WASHER M10 x Ø20 FLAT                      | 8   | --  |
| 13      | 5535013     | NUT M10 x 1.5 NL                           | 4   | --  |
| 14      | 5530046     | HHB M10 x 1.5 x 65mm                       | 4   | -   |
| 15      | 5746088     | HDS-18/27 SPACER, SAFETY LADDER, 31mm LG   | 4   | B   |

DO NOT SCALE DRAWING

NAME  
DATE  
DRAWN TM 12/16/2019  
CHECKED OR 08/16/2022

**BendPak**  
1645 LEMONWOOD DR.  
SANTA PAULA, CA 93060

DIMENSIONS ARE IN MM

THIRD ANGLE PROJECTION



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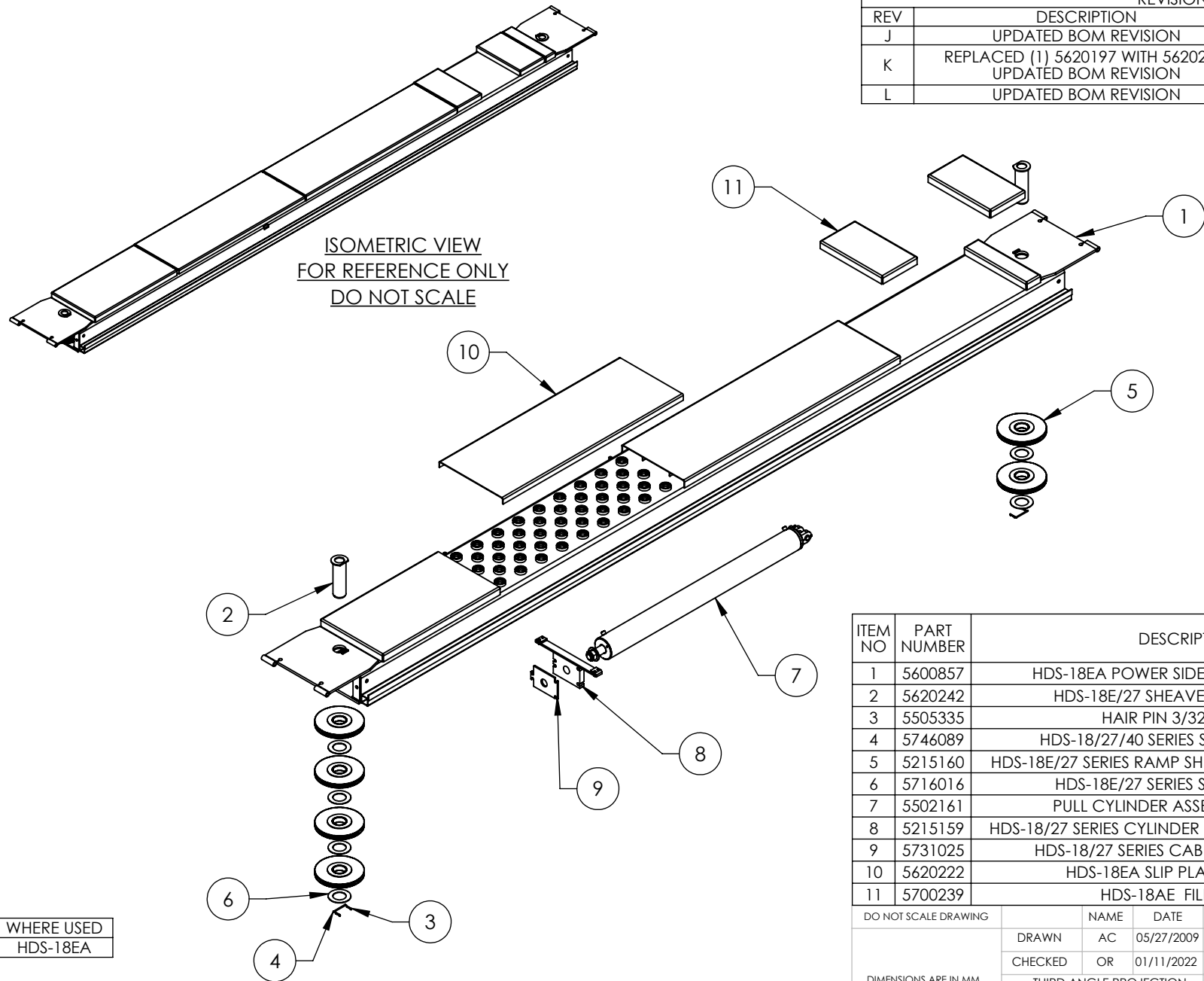
TITLE:  
HDS-18EA LIFT  
SUPERSTRUCTURE

SIZE DWG. NO. REV  
**A** 5245089 G

SCALE: 1:55 SHEET 1 OF 1

NEXT ASSEMBLY  
5260605

| REVISION |                                                            |            |           |       |
|----------|------------------------------------------------------------|------------|-----------|-------|
| REV      | DESCRIPTION                                                | DATE       | EDITED BY | ECO#  |
| J        | UPDATED BOM REVISION                                       | 11/05/2020 | CA        | 01227 |
| K        | REPLACED (1) 5620197 WITH 5620242,<br>UPDATED BOM REVISION | 08/26/2021 | CA        | 01322 |
| L        | UPDATED BOM REVISION                                       | 01/11/2022 | TM        | 01378 |



| ITEM NO | PART NUMBER | DESCRIPTION                                   | QTY | REV |
|---------|-------------|-----------------------------------------------|-----|-----|
| 1       | 5600857     | HDS-18EA POWER SIDE RAMP WELDMENT             | 1   | D   |
| 2       | 5620242     | HDS-18E/27 SHEAVE PIN WELDMENT                | 2   | C   |
| 3       | 5505335     | HAIR PIN 3/32" x 1 5/8"                       | 4   | -   |
| 4       | 5746089     | HDS-18/27/40 SERIES SHEAVE SHAFT PIN          | 2   | D   |
| 5       | 5215160     | HDS-18E/27 SERIES RAMP SHEAVE ROLLER ASSEMBLY | 6   | D   |
| 6       | 5716016     | HDS-18E/27 SERIES SHEAVE SPACER               | 6   | C   |
| 7       | 5502161     | PULL CYLINDER ASSEMBLY Ø5.0 x 60              | 1   | N   |
| 8       | 5215159     | HDS-18/27 SERIES CYLINDER FLANGE ARM ASSEMBLY | 1   | H   |
| 9       | 5731025     | HDS-18/27 SERIES CABLE RETAINER PLATE         | 1   | B   |
| 10      | 5620222     | HDS-18EA SLIP PLATE WELDMENT                  | 1   | E   |
| 11      | 5700239     | HDS-18AE FILLER PLATE                         | 2   | A   |

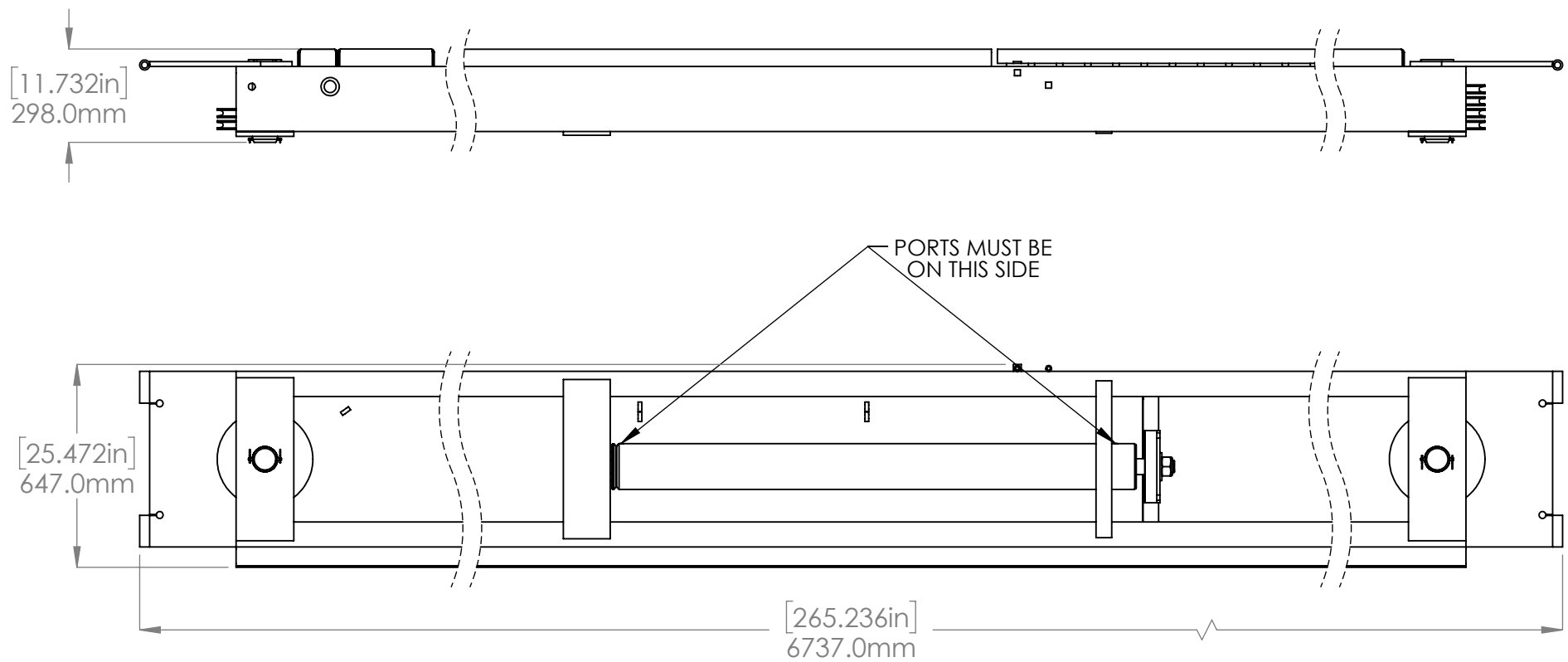
|            |
|------------|
| WHERE USED |
| HDS-18EA   |

**NOTE: UNLESS OTHERWISE SPECIFIED.**

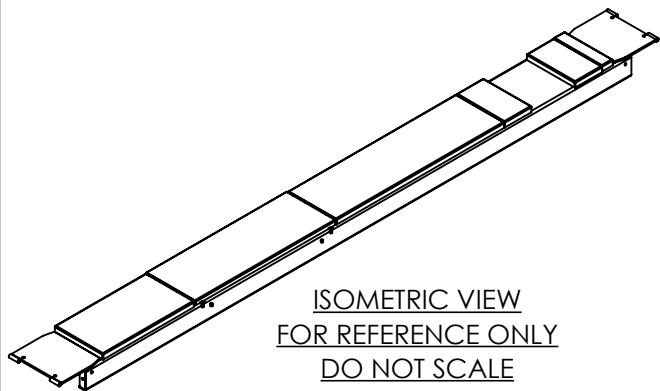
- REFER TO MODEL FOR ADDITIONAL INFORMATION
- SEE SHIPPING INSTRUCTIONS FOR FINAL PACKAGING
- ASSEMBLE ITEMS AS SHOWN
- VERIFY CYLINDER PORTS ARE CAPPED OFF WITH 3/8" NPT STEEL PLUG

NEXT ASSEMBLY  
5245089

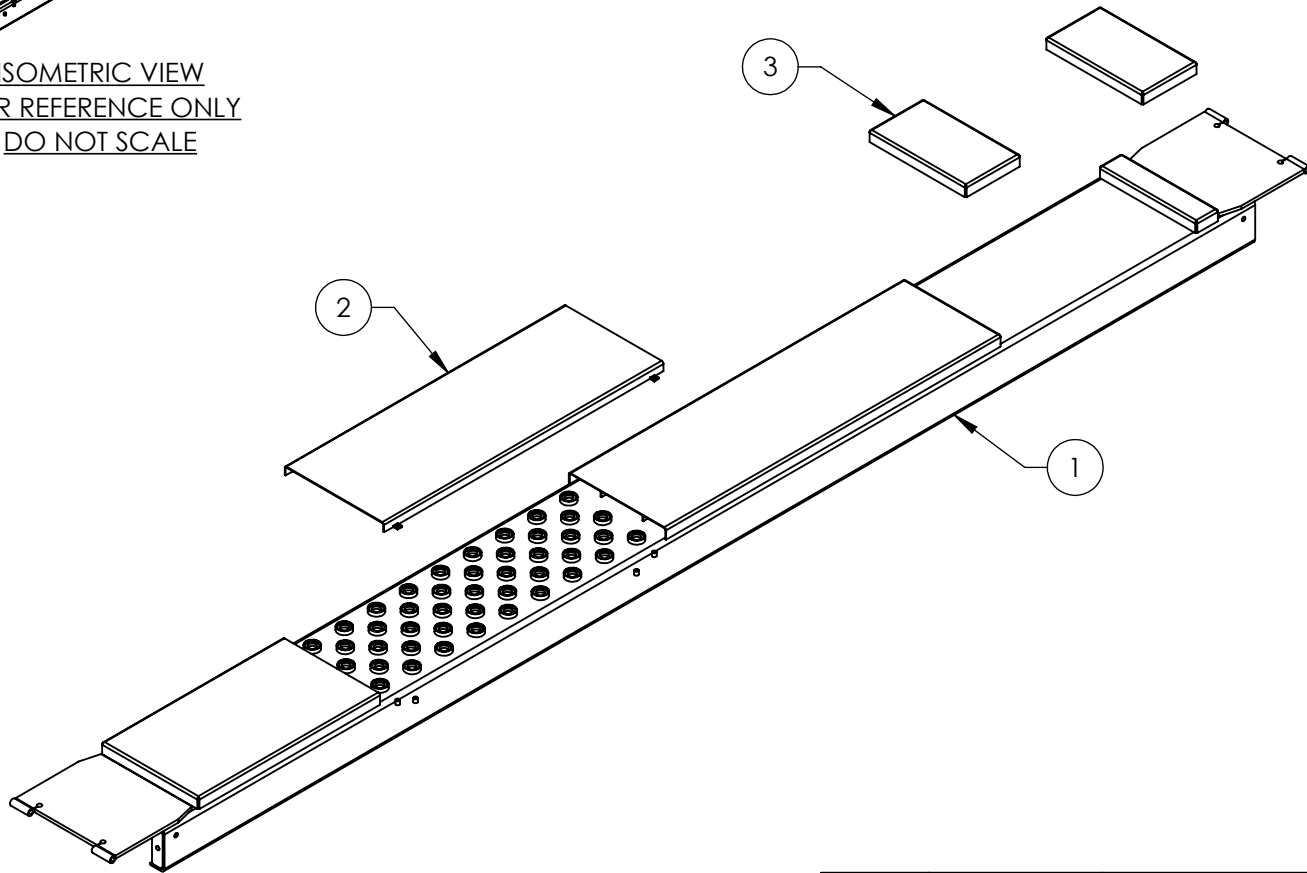
|                      |    |                                                                                                                                                                                                                                |      |                                                                                             |
|----------------------|----|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|---------------------------------------------------------------------------------------------|
| DO NOT SCALE DRAWING |    | NAME                                                                                                                                                                                                                           | DATE | <p>1645 LEMONWOOD DR.<br/>SANTA PAULA, CA 93060</p>                                         |
| DRAWN                | AC | 05/27/2009                                                                                                                                                                                                                     |      |                                                                                             |
| CHECKED              | OR | 01/11/2022                                                                                                                                                                                                                     |      |                                                                                             |
| DIMENSIONS ARE IN MM |    | THIRD ANGLE PROJECTION                                                                                                                                                                                                         |      | <p>TITLE: HDS-18EA POWER SIDE RAMP ASSEMBLY</p> <p>SIZE DWG. NO. A 5215657</p> <p>REV L</p> |
|                      |    | <p>PROPRIETARY AND CONFIDENTIAL</p> <p>THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF BENDPAK INC. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF BENDPAK INC. IS PROHIBITED.</p> |      | <p>SCALE: 1:35</p> <p>SHEET 1 OF 2</p>                                                      |



|                                                                   |          |              |
|-------------------------------------------------------------------|----------|--------------|
| <b>BP BendPak.</b><br>1645 LEMONWOOD DR.<br>SANTA PAULA, CA 93060 |          |              |
| TITLE: HDS-18EA POWER SIDE<br>RAMP ASSEMBLY                       |          |              |
| SIZE                                                              | DWG. NO. | REV          |
| <b>A</b>                                                          | 5215657  | L            |
| SCALE: 1:20                                                       |          | SHEET 2 OF 2 |



| REVISION |                                          |            |           |       |
|----------|------------------------------------------|------------|-----------|-------|
| REV      | DESCRIPTION                              | DATE       | EDITED BY | ECO#  |
| A        | PRODUCTION RELEASE, DERIVED FROM 5215658 | 12/16/2019 | TM        | 01120 |
| B        | UPDATED BOM REVISION                     | 01/11/2022 | TM        | 01378 |



|            |
|------------|
| WHERE USED |
| HDS-18EA   |

**NOTE: UNLESS OTHERWISE SPECIFIED.**

1. REFER TO MODEL FOR ADDITIONAL INFORMATION
2. ASSEMBLE ITEMS AS SHOWN

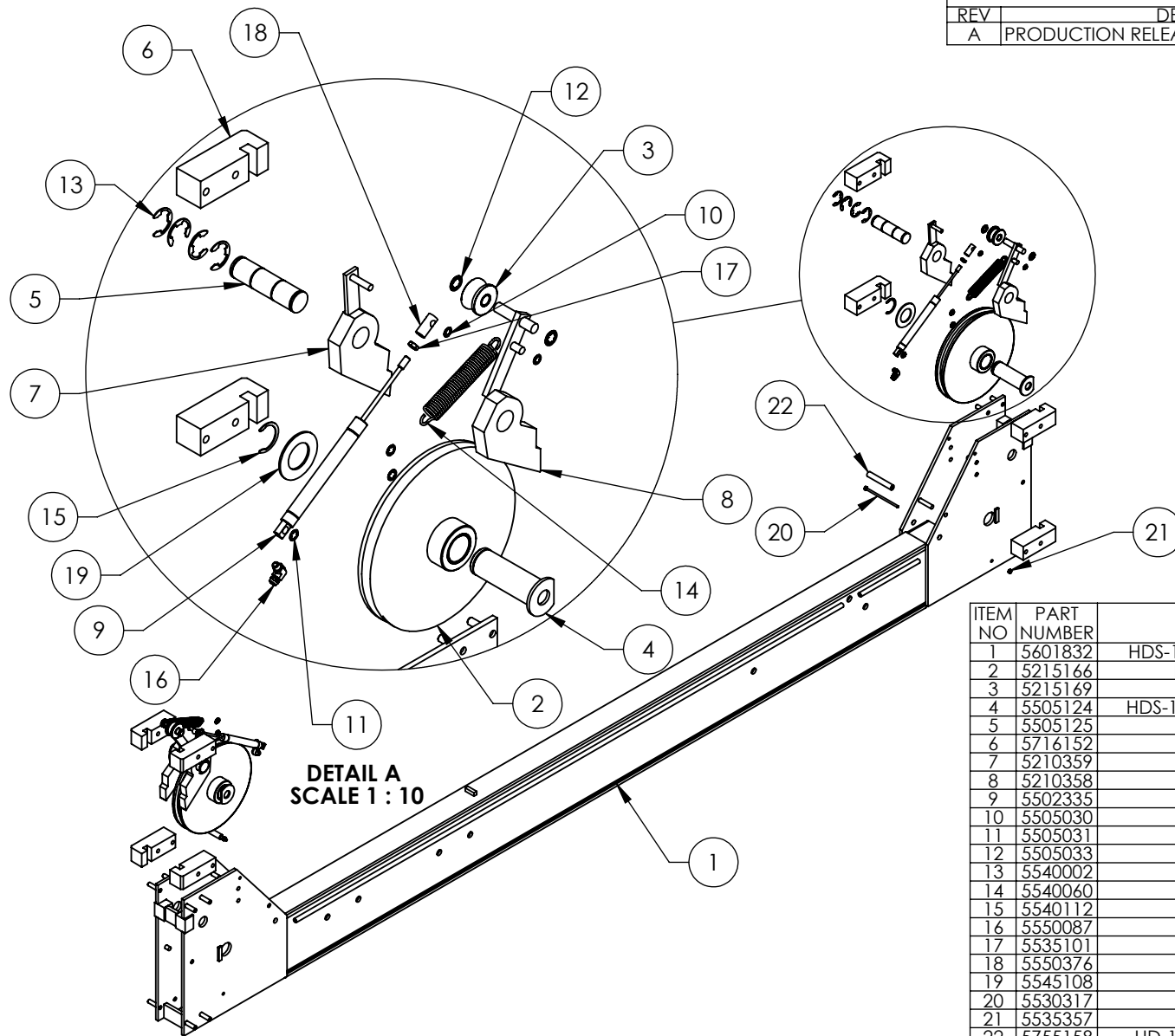
NEXT ASSEMBLY  
5245089

| ITEM NO | PART NUMBER | DESCRIPTION                     | QTY | REV |
|---------|-------------|---------------------------------|-----|-----|
| 1       | 5601442     | HDS-18EA OFF SIDE RAMP WELDMENT | 1   | B   |
| 2       | 5620222     | HDS-18EA SLIP PLATE WELDMENT    | 1   | E   |
| 3       | 5700239     | HDS-18AE FILLER PLATE           | 2   | A   |

|                                                                                       |  |                                                                                                                                                                                                                                               |      |                                                                                                                                                      |          |              |
|---------------------------------------------------------------------------------------|--|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|------------------------------------------------------------------------------------------------------------------------------------------------------|----------|--------------|
| DO NOT SCALE DRAWING                                                                  |  | NAME                                                                                                                                                                                                                                          | DATE |  <b>BendPak.</b><br>1645 LEMONWOOD DR.<br>SANTA PAULA, CA 93060 |          |              |
| DIMENSIONS ARE IN MM                                                                  |  | DRAWN                                                                                                                                                                                                                                         | TM   | 12/16/2019                                                                                                                                           |          |              |
|                                                                                       |  | CHECKED                                                                                                                                                                                                                                       | OR   | 01/11/2022                                                                                                                                           |          |              |
|                                                                                       |  | THIRD ANGLE PROJECTION                                                                                                                                                                                                                        |      | TITLE: HDS-18EA OFF SIDE RAMP ASSEMBLY                                                                                                               |          |              |
|  |  |                                                                                                                                                          |      | SIZE                                                                                                                                                 | DWG. NO. | REV          |
|                                                                                       |  |                                                                                                                                                                                                                                               |      | A                                                                                                                                                    | 5215889  | B            |
|                                                                                       |  | PROPRIETARY AND CONFIDENTIAL<br>THE INFORMATION CONTAINED IN THIS DRAWING IS<br>THE SOLE PROPERTY OF <b>BENDPAK INC.</b> ANY<br>REPRODUCTION IN PART OR AS A WHOLE WITHOUT<br>THE WRITTEN PERMISSION OF <b>BENDPAK INC.</b> IS<br>PROHIBITED. |      | SCALE: 1:30                                                                                                                                          |          | SHEET 1 OF 1 |



| REVISION |                                          | DATE       | EDITED BY | ECO#  |
|----------|------------------------------------------|------------|-----------|-------|
| REV      | DESCRIPTION                              |            |           |       |
| A        | PRODUCTION RELEASE, DERIVED FROM 5215890 | 05/02/2022 | TM        | 01414 |



| ITEM NO | PART NUMBER | DESCRIPTION                                  | QTY | REV |
|---------|-------------|----------------------------------------------|-----|-----|
| 1       | 5601832     | HDS-18/27 CROSSTUBE WELDMENT, SMALL WINDOW   | 1   | A   |
| 2       | 5215166     | HDS-18/27 CROSSTUBE SHEAVE ASSEMBLY          | 2   | D   |
| 3       | 5215169     | HDS-18/27 SAFETY ROLLER ASSEMBLY             | 2   | D   |
| 4       | 5505124     | HDS-18/27/40 CROSSTUBE SHEAVE SHAFT WELDMENT | 2   | G   |
| 5       | 5505125     | HDS-18/27/40 SAFETY PIN                      | 2   | E   |
| 6       | 5716152     | HDS-18/27 POLYETHYLENE SLIDE BLOCK           | 8   | G   |
| 7       | 5210359     | HDS-18/27/40 SAFETY WELDMENT #1              | 2   | D   |
| 8       | 5210358     | HDS-18/27/40 SAFETY WELDMENT #2              | 2   | E   |
| 9       | 5502335     | AIR CYLINDER, Ø.75 x 4.0" STROKE             | 2   | -   |
| 10      | 5505030     | PUSH-ON CLIP Ø10mm SS                        | 4   | -   |
| 11      | 5505031     | ROTOR CLIP Ø12mm SS                          | 6   | -   |
| 12      | 5505033     | PUSH-ON CLIP Ø16mm SS                        | 4   | -   |
| 13      | 5540002     | E RING Ø1.375" OD TRUARC X5133-137           | 8   | -   |
| 14      | 5540060     | SPRING Ø29 x 178mm, SLACK SAFETY             | 2   | A   |
| 15      | 5540112     | SNAP RING; TRUARC 5103-175                   | 2   | -   |
| 16      | 5550087     | FTG ELB -04 COMP x -02 NPT                   | 2   | -   |
| 17      | 5535101     | 3/8-16 HEX NUT JAM                           | 2   | -   |
| 18      | 5550376     | HDS-18/27/40 ADAPTER, 1" AIR CYLINDER        | 2   | D   |
| 19      | 5545108     | WASHER M45 x 80 FLAT                         | 2   | -   |
| 20      | 5530317     | HHB M6 x 1 x 136                             | 2   | -   |
| 21      | 5535357     | NUT M6 x 1.0 NL                              | 2   | -   |
| 22      | 5755158     | HD-18/27/40 CROSSTUBE SPACER Ø16 x Ø10 x 102 | 2   | B   |

|               |
|---------------|
| WHERE USED    |
| HDS-18 SERIES |
| HDS-27 SERIES |

# **NOTE: UNLESS OTHERWISE SPECIFIED.**

- REFER TO MODEL FOR ADDITIONAL INFORMATION
- SEE SHIPPING INSTRUCTIONS FOR FINAL PACKAGING
- ASSEMBLE ITEMS AS SHOWN

|               |
|---------------|
| NEXT ASSEMBLY |
| 5245086       |
| 5245087       |
| 5245088       |
| 5245089       |
| 5245090       |

DO NOT SCALE DRAWING

DIMENSIONS ARE IN MM



| NAME     | DATE       |
|----------|------------|
| DRAWN TM | 05/02/2022 |
| CHECKED  |            |

THIRD ANGLE PROJECTION



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|                                             |
|---------------------------------------------|
| <b>BP BendPak</b>                           |
| 1645 LEMONWOOD DR.<br>SANTA PAULA, CA 93060 |

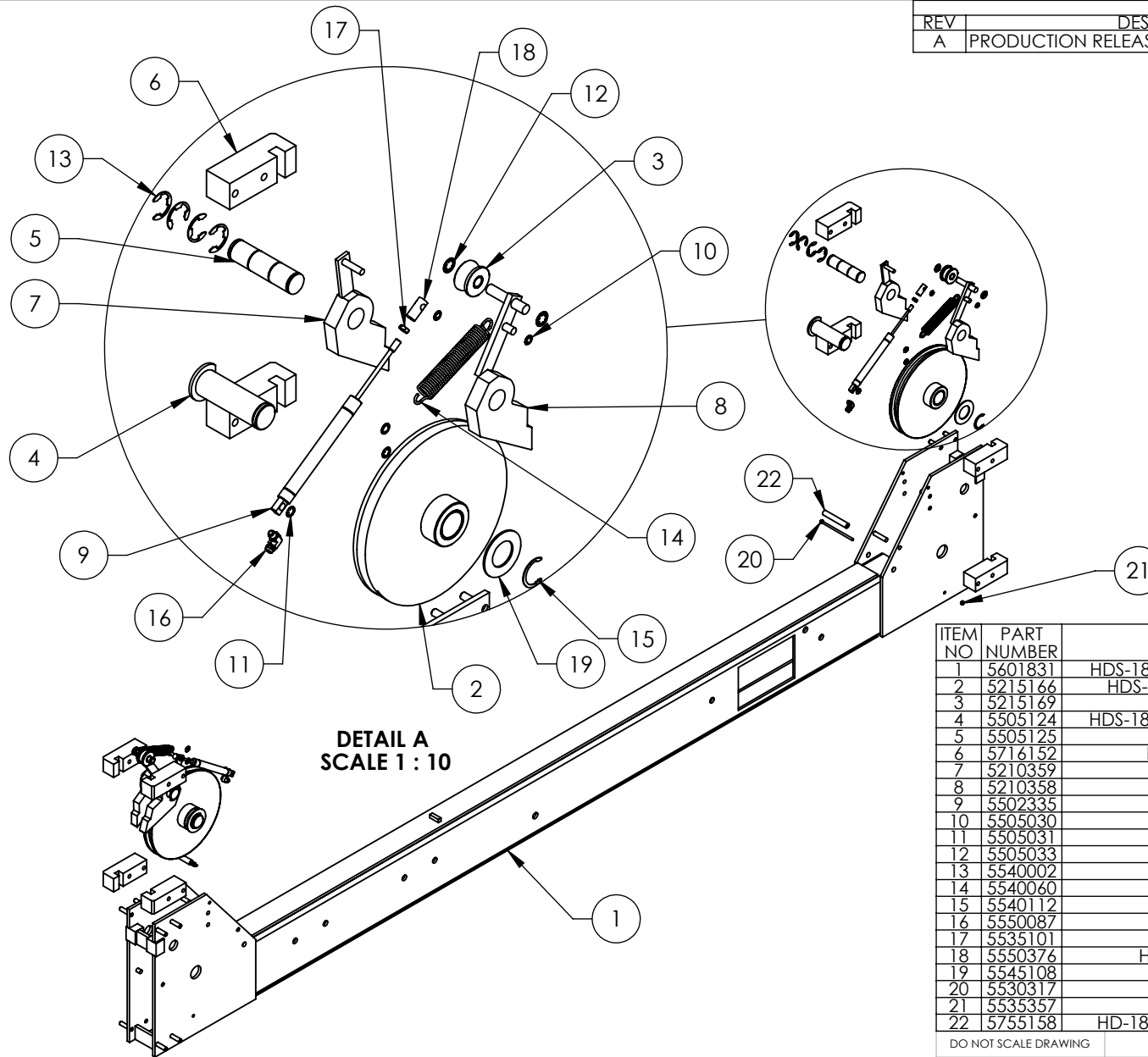
TITLE: HDS-18/27 CROSSTUBE ASSEMBLY, SMALL WINDOW

|               |     |
|---------------|-----|
| SIZE DWG. NO. | REV |
| A 5216167     | A   |

SCALE: 1:20

SHEET 1 OF 1

| REV | DESCRIPTION                              | REVISION | DATE       | EDITED BY | ECO#  |
|-----|------------------------------------------|----------|------------|-----------|-------|
| A   | PRODUCTION RELEASE, DERIVED FROM 5215891 |          | 05/02/2022 | TM        | 01414 |



DETAIL A  
SCALE 1 : 10

| ITEM NO | PART NUMBER | DESCRIPTION                                  | QTY | REV |
|---------|-------------|----------------------------------------------|-----|-----|
| 1       | 5601831     | HDS-18/27 CROSSTUBE WELDMENT, LARGE WINDOW   | 1   | A   |
| 2       | 5215166     | HDS-18/27 SERIES CROSSTUBE SHEAVE ASSEMBLY   | 2   | D   |
| 3       | 5215169     | HDS-18/27 SAFETY ROLLER ASSEMBLY             | 2   | D   |
| 4       | 5505124     | HDS-18/27/40 CROSSTUBE SHEAVE SHAFT WELDMENT | 2   | G   |
| 5       | 5505125     | HDS-18/27/40 SAFETY PIN                      | 2   | E   |
| 6       | 5716152     | HDS-18/27 POLYETHYLENE SLIDE BLOCK           | 8   | G   |
| 7       | 5210359     | HDS-18/27/40 SAFETY WELDMENT #1              | 2   | D   |
| 8       | 5210358     | HDS-18/27/40 SAFETY WELDMENT #2              | 2   | E   |
| 9       | 5502335     | AIR CYLINDER, Ø.75 x 4.0" STROKE             | 2   | -   |
| 10      | 5505030     | PUSH-ON CLIP Ø10mm SS                        | 4   | -   |
| 11      | 5505031     | ROTOR CLIP Ø12mm SS                          | 6   | -   |
| 12      | 5505033     | PUSH-ON CLIP Ø16mm SS                        | 4   | -   |
| 13      | 5540002     | E RING Ø1.375" OD TRUARC X5133-137           | 8   | -   |
| 14      | 5540060     | SPRING Ø29 x 178mm, SLACK SAFETY             | 2   | A   |
| 15      | 5540112     | SNAP RING; TRUARC 5103-175                   | 2   | -   |
| 16      | 5550087     | FTG ELB -04 COMP x -02 NPT                   | 2   | -   |
| 17      | 5535101     | 3/8-16 HEX NUT JAM                           | 2   | -   |
| 18      | 5550376     | HDS-18/27/40 ADAPTER, 1" AIR CYLINDER        | 2   | D   |
| 19      | 5545108     | WASHER M45 x 80 FLAT                         | 2   | -   |
| 20      | 5530317     | HHB M6 x 1 x 136                             | 2   | -   |
| 21      | 5535357     | NUT M6 x 1.0 NL                              | 2   | -   |
| 22      | 5755158     | HD-18/27/40 CROSSTUBE SPACER Ø16 x Ø10 x 102 | 2   | B   |

| WHERE USED    |
|---------------|
| HDS-18 SERIES |
| HDS-27 SERIES |

**NOTE: UNLESS OTHERWISE SPECIFIED.**

1. REFER TO MODEL FOR ADDITIONAL INFORMATION
2. SEE SHIPPING INSTRUCTIONS FOR FINAL PACKAGING
3. ASSEMBLE ITEMS AS SHOWN

| NEXT ASSEMBLY |
|---------------|
| 5245086       |
| 5245087       |
| 5245088       |
| 5245089       |
| 5245090       |

DO NOT SCALE DRAWING

DIMENSIONS ARE IN MM



NAME DATE

DRAWN TM 05/02/2022

CHECKED

THIRD ANGLE PROJECTION



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1645 LEMONWOOD DR.  
SANTA PAULA, CA 93060

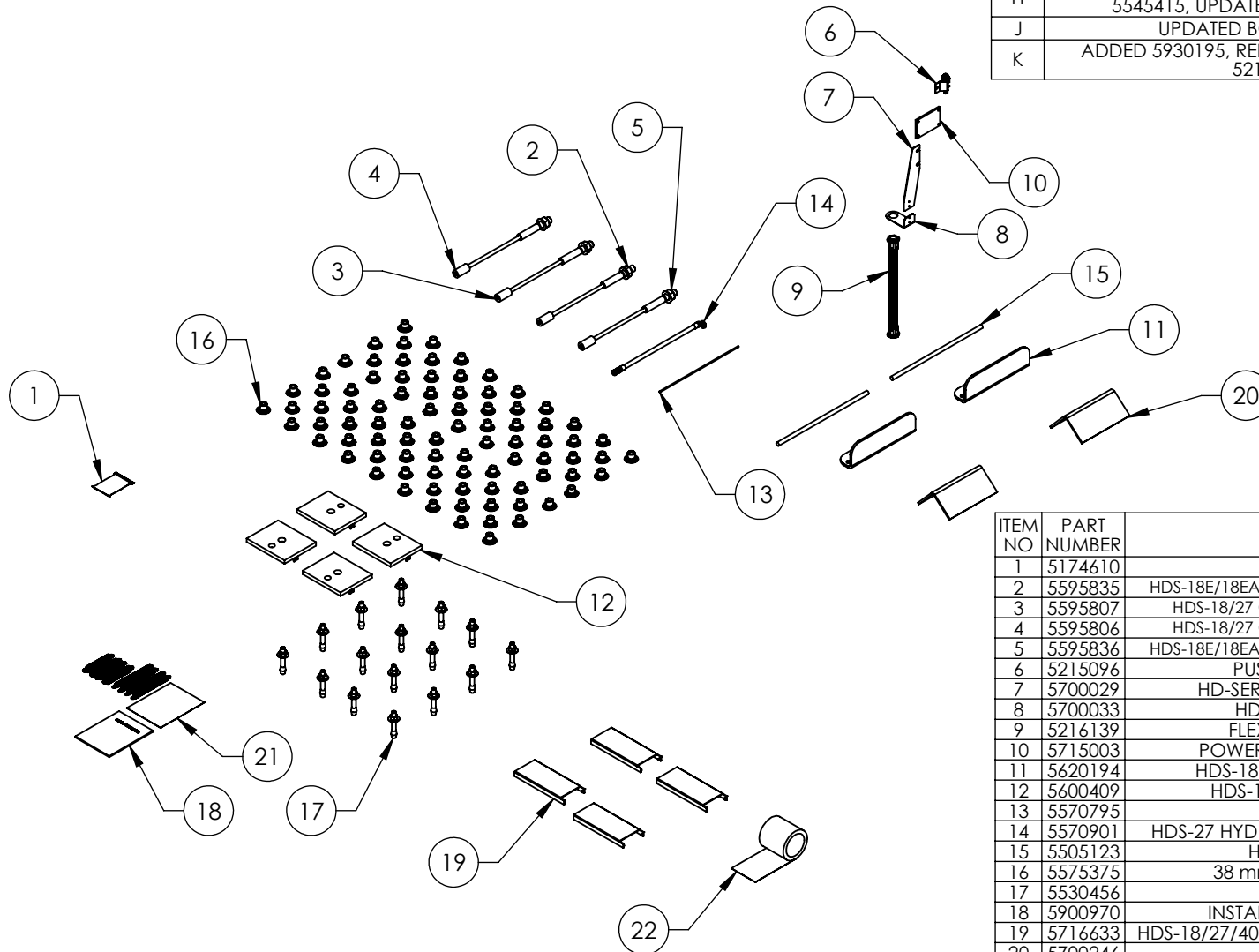
TITLE:  
HDS-18/27 CROSSTUBE  
ASSEMBLY, LARGE WINDOW

SIZE DWG. NO. REV  
**A** 5216168 A

SCALE: 1:20

SHEET 1 OF 1

| REVISION |                                                                   |            |           |             |
|----------|-------------------------------------------------------------------|------------|-----------|-------------|
| REV      | DESCRIPTION                                                       | DATE       | EDITED BY | ECO#        |
| H        | ADDED 5210242, REMOVED 5535104 AND 5545415, UPDATED BOM REVISIONS | 07/21/2020 | TM        | 01174       |
| J        | UPDATED BOM REVISION                                              | 08/25/2021 | CA        | 01322       |
| K        | ADDED 5930195, REPLACED 5570050 WITH 5216139                      | 05/04/2022 | TM        | 01414 PRE A |



| ITEM NO | PART NUMBER | DESCRIPTION                                    | QTY      | REV |
|---------|-------------|------------------------------------------------|----------|-----|
| 1       | 5174610     | HDS-18EA PARTS BAG                             | 1        | G   |
| 2       | 5595835     | HDS-18E/18EA/27 CABLE ASSEMBLY Ø16 x 4127mm ST | 1        | E   |
| 3       | 5595807     | HDS-18/27 CABLE ASSEMBLY Ø16 x 12215mm ST      | 1        | J   |
| 4       | 5595806     | HDS-18/27 CABLE ASSEMBLY Ø16 x 10483mm ST      | 1        | H   |
| 5       | 5595836     | HDS-18E/18EA/27 CABLE ASSEMBLY Ø16 x 5855mm ST | 1        | E   |
| 6       | 5215096     | PUSH BUTTON AIR ASSEMBLY                       | 1        | G   |
| 7       | 5700029     | HD-SERIES FLEX TUBE BRACKET PLATE              | 1        | F   |
| 8       | 5700033     | HD-SERIES FLEX TUBE ANGLE                      | 1        | E   |
| 9       | 5216139     | FLEX TUBE KIT, UP TO 2000mm                    | 1        | A   |
| 10      | 5715003     | POWER UNIT VIBRATION DAMPENER                  | 1        | B   |
| 11      | 5620194     | HDS-18E/27/40 TIRE STOP WELDMENT               | 2        | C   |
| 12      | 5600409     | HDS-18/27 TOP PLATE WELDMENT                   | 4        | D   |
| 13      | 5570795     | 1/4" POLY-FLO TUBING                           | 24000mm* | -   |
| 14      | 5570901     | HDS-27 HYDRAULIC HOSE ASSY Ø10 x 5385mm        | 1        | C   |
| 15      | 5505123     | HDS-27 SERIES HINGE PIN                        | 2        | B   |
| 16      | 5575375     | 38 mm ALIGNMENT PAD CASTER                     | 86       | -   |
| 17      | 5530456     | AB 3/4" x 4 - 3/4"                             | 16       | -   |
| 18      | 5900970     | INSTALLATION MANUAL HDS-18EA                   | 1        | -   |
| 19      | 5716633     | HDS-18/27/40 SERIES CROSSTUBE COVER, PLASTIC   | 4        | C   |
| 20      | 5700246     | WHEEL CHOCK                                    | 2        | B   |
| 21      | 5210242     | 4 POST HEAVY DUTY CE PARTS BAG                 | 1        | A   |
| 22      | 5930195     | ANTI-SLIP TAPE, 6" x 24ft                      | 1        | --  |

|            |
|------------|
| WHERE USED |
| HDS-18EA   |

# **NOTE: UNLESS OTHERWISE SPECIFIED.**

- REFER TO MODEL FOR ADDITIONAL INFORMATION
- SEE SHIPPING INSTRUCTIONS FOR FINAL PACKAGING
- HOSES AND CABLES IN REPRESENTATIONAL FORM
- (\*) LENGTH FOR REFERENCE ONLY

NEXT ASSEMBLY  
5260605

DO NOT SCALE DRAWING

DIMENSIONS ARE IN MM



| NAME       | DATE       |
|------------|------------|
| DRAWN TM   | 05/08/2013 |
| CHECKED OR | 05/09/2022 |

THIRD ANGLE PROJECTION



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1645 LEMONWOOD DR.  
SANTA PAULA, CA 93060

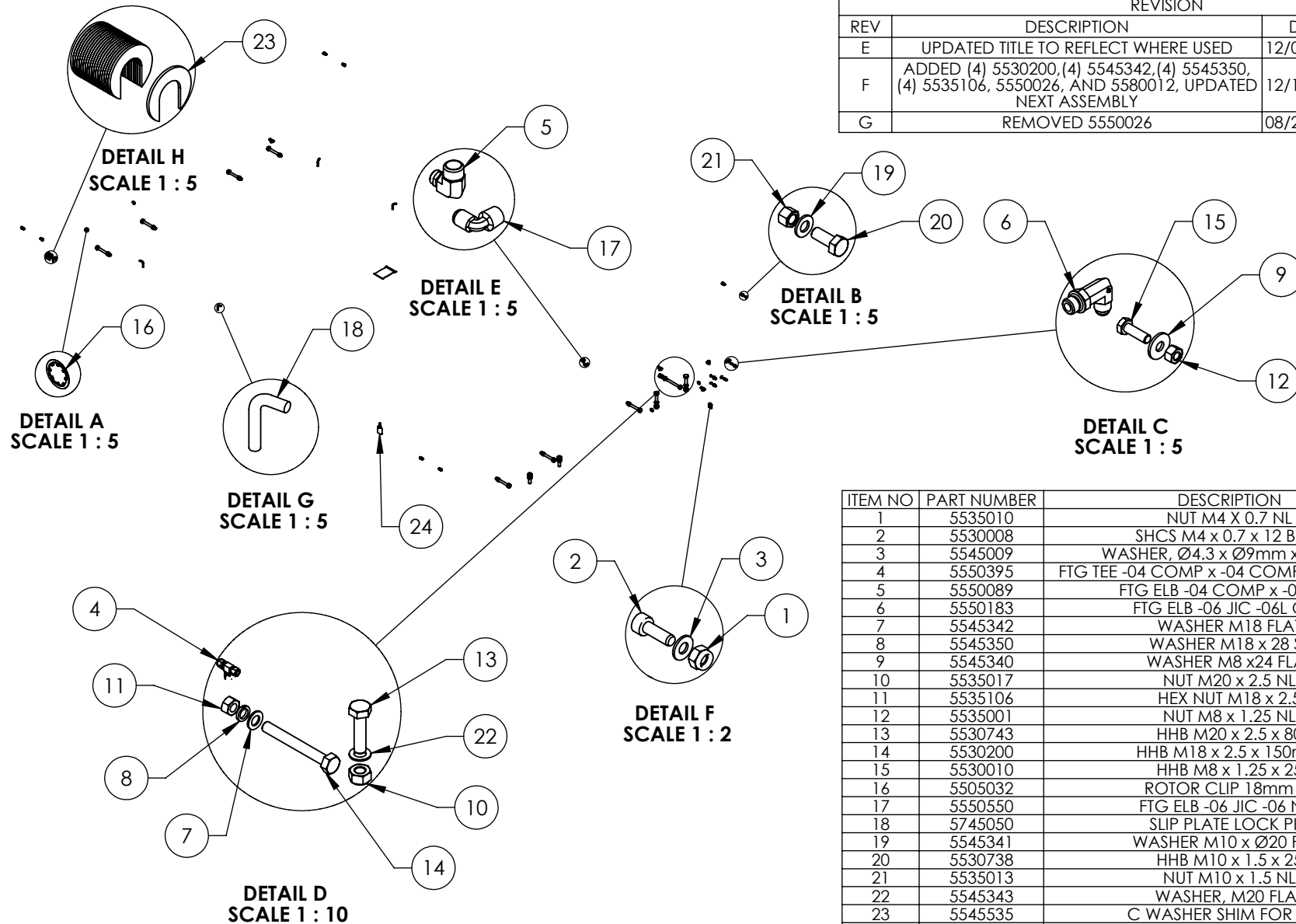
TITLE:  
HDS-18EA PARTS BOX

| SIZE | DWG. NO. | REV |
|------|----------|-----|
| A    | 5250286  | K   |

SCALE: 1:30

SHEET 1 OF 1

| REVISION |                                                                                                       |            |           |       |
|----------|-------------------------------------------------------------------------------------------------------|------------|-----------|-------|
| REV      | DESCRIPTION                                                                                           | DATE       | EDITED BY | ECO#  |
| E        | UPDATED TITLE TO REFLECT WHERE USED                                                                   | 12/06/2016 | TS        | 00778 |
| F        | ADDED (4) 5530200, (4) 5545342, (4) 5545350, (4) 5535106, 5550026, AND 5580012. UPDATED NEXT ASSEMBLY | 12/16/2019 | TM        | 01120 |
| G        | REMOVED 5550026                                                                                       | 08/25/2021 | CA        | 01322 |



| ITEM NO | PART NUMBER | DESCRIPTION                            | QTY | REV |
|---------|-------------|----------------------------------------|-----|-----|
| 1       | 5535010     | NUT M4 X 0.7 NL                        | 2   | --  |
| 2       | 5530008     | SHCS M4 x 0.7 x 12 BOC                 | 2   | --  |
| 3       | 5545009     | WASHER, Ø4.3 x Ø9mm x 0.8mm            | 2   | --  |
| 4       | 5550395     | FTG TEE -04 COMP x -04 COMP x -04 COMP | 3   | --  |
| 5       | 5550089     | FTG ELB -04 COMP x -06 NPT             | 2   | --  |
| 6       | 5550183     | FTG ELB -06 JIC -06L ORB               | 1   | --  |
| 7       | 5545342     | WASHER M18 FLAT                        | 8   | --  |
| 8       | 5545350     | WASHER M18 x 28 SL                     | 8   | --  |
| 9       | 5545340     | WASHER M8 x24 FLAT                     | 4   | --  |
| 10      | 5535017     | NUT M20 x 2.5 NL                       | 4   | --  |
| 11      | 5535106     | HEX NUT M18 x 2.5                      | 8   | --  |
| 12      | 5535001     | NUT M8 x 1.25 NL                       | 4   | --  |
| 13      | 5530743     | HHB M20 x 2.5 x 80                     | 4   | --  |
| 14      | 5530200     | HHB M18 x 2.5 x 150mm                  | 8   | --  |
| 15      | 5530010     | HHB M8 x 1.25 x 25                     | 4   | --  |
| 16      | 5505032     | ROTOR CLIP 18mm SS                     | 4   | --  |
| 17      | 5550550     | FTG ELB -06 JIC -06 NPT                | 1   | --  |
| 18      | 5745050     | SLIP PLATE LOCK PIN                    | 4   | --  |
| 19      | 5545341     | WASHER M10 x Ø20 FLAT                  | 8   | --  |
| 20      | 5530738     | HHB M10 x 1.5 x 25                     | 8   | --  |
| 21      | 5535013     | NUT M10 x 1.5 NL                       | 8   | --  |
| 22      | 5545343     | WASHER, M20 FLAT                       | 4   | --  |
| 23      | 5545535     | C WASHER SHIM FOR LIFTS                | 20  | --  |
| 24      | 5580012     | LIQUID PTFE THREAD SEALANT 50ml        | 1   | --  |

WHERE USED  
HDS-18EA

**NOTE: UNLESS OTHERWISE SPECIFIED.**

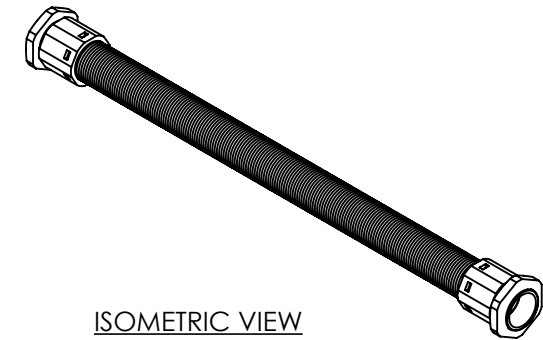
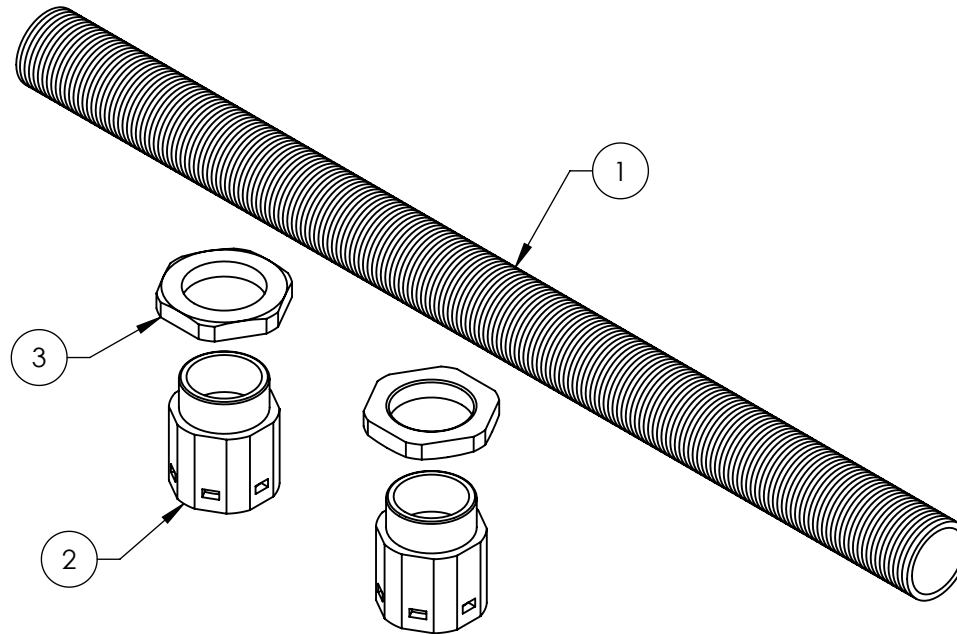
1. SEE SHIPPING INSTRUCTIONS FOR FINAL PACKAGING

NEXT ASSEMBLY  
5250286

|                      |  |                        |            |                                                 |
|----------------------|--|------------------------|------------|-------------------------------------------------|
| DO NOT SCALE DRAWING |  | NAME                   | DATE       | <br>1645 LEMONWOOD DR.<br>SANTA PAULA, CA 93060 |
| DRAWN                |  | AC                     | 05/06/2009 |                                                 |
| CHECKED              |  | OR                     | 09/15/2021 |                                                 |
| DIMENSIONS ARE IN MM |  | THIRD ANGLE PROJECTION |            | TITLE:                                          |
|                      |  |                        |            | HDS-18EA PARTS BAG                              |
|                      |  |                        |            | SIZE DWG. NO.                                   |
|                      |  |                        |            | REV                                             |
|                      |  |                        |            | G                                               |
|                      |  | SCALE: 1:50            |            | SHEET 1 OF 1                                    |

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| REVISION |                                                            |            |           |             |
|----------|------------------------------------------------------------|------------|-----------|-------------|
| REV      | DESCRIPTION                                                | DATE       | EDITED BY | ECO#        |
| A        | PRODUCTION RELEASE, DERIVED FROM 5570050, 5570052, 5570239 | 05/05/2022 | TM        | 01414 PRE A |



ISOMETRIC VIEW  
FOR REFERENCE ONLY  
DO NOT SCALE

| WHERE USED          |
|---------------------|
| D4-12 SERIES        |
| HD-14T              |
| HD-7500 SERIES      |
| HD-7W               |
| HD-7P               |
| HD-9 SERIES         |
| HD-973 SERIES       |
| HDS-14 SERIES       |
| HDSO-14 SERIES      |
| HDS-18/27/40 SERIES |

**NOTE: UNLESS OTHERWISE SPECIFIED.**

- SEE SHIPPING INSTRUCTIONS FOR FINAL PACKAGING
- SHOWN IN REPRESENTATIONAL FORM ONLY  
(\*)LENGTH FOR REFERENCE ONLY

| NEXT ASSEMBLY |         |         |
|---------------|---------|---------|
| 5250058       | 5250175 | 5250289 |
| 5250059       | 5250184 | 5250290 |
| 5250079       | 5250185 | 5250294 |
| 5250081       | 5250187 | 5250295 |
| 5250082       | 5250188 | 5250336 |
| 5250143       | 5250189 | 5250337 |
| 5250144       | 5250191 | 5250338 |
| 5250164       | 5250193 | 5250349 |
| 5250167       | 5250194 | 5250364 |
| 5250168       | 5250195 |         |
| 5250169       | 5250278 |         |
| 5250172       | 5250286 |         |

| ITEM NO | PART NUMBER | DESCRIPTION               | QTY     | REV |
|---------|-------------|---------------------------|---------|-----|
| 1       | 5570053     | PE FLEX TUBE Ø34.5xØ29    | 2100mm* | -   |
| 2       | 5555555     | WQG1-M36/AD34.5 CONNECTOR | 2       | -   |
| 3       | 5535050     | PLASTIC NUT M36 x 2       | 2       | -   |

DO NOT SCALE DRAWING

DIMENSIONS ARE IN MM



| NAME       | DATE       |
|------------|------------|
| DRAWN TM   | 05/05/2022 |
| CHECKED OR | 05/10/2022 |

THIRD ANGLE PROJECTION

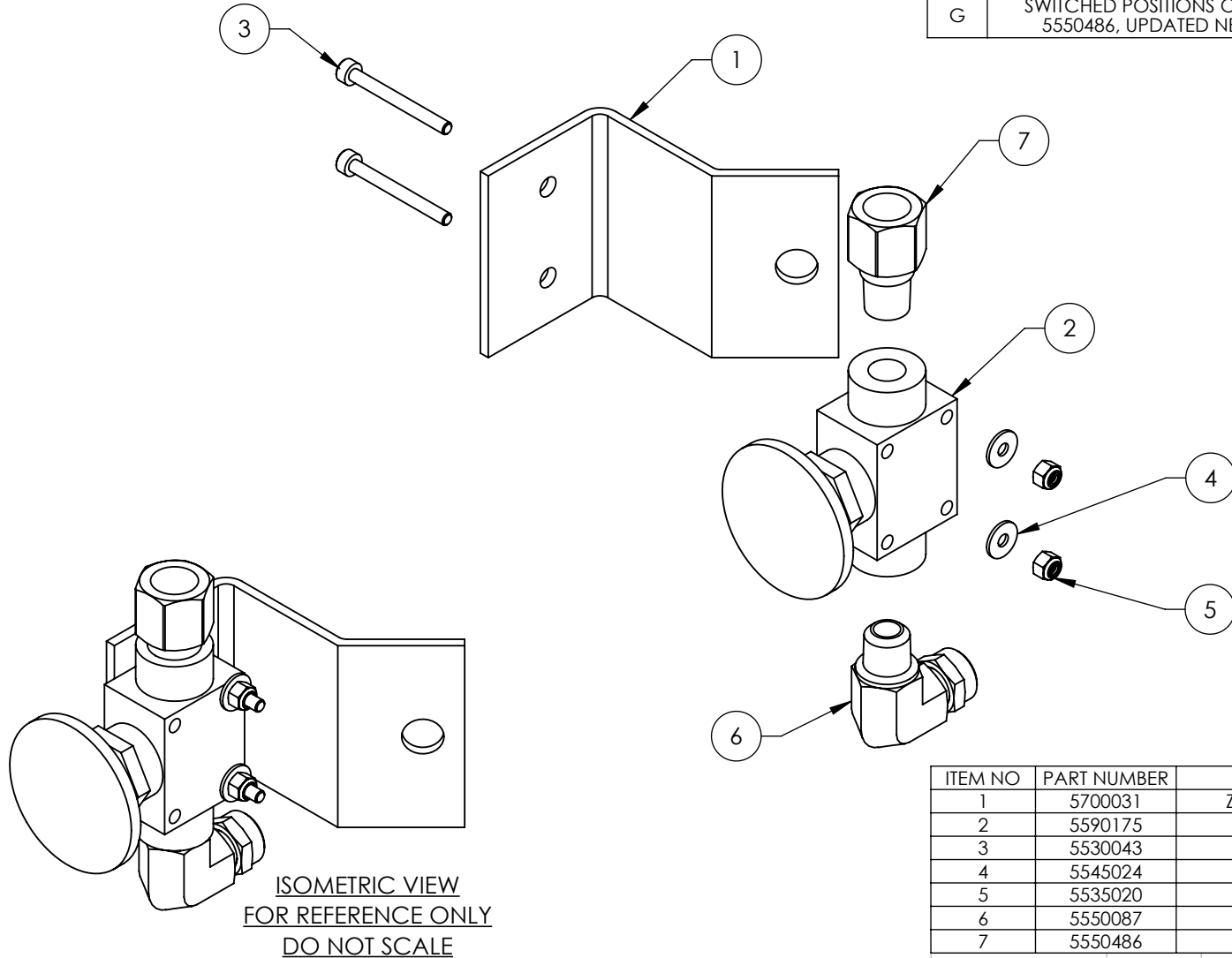


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|                                             |
|---------------------------------------------|
| <b>BP BendPak.</b>                          |
| 1645 LEMONWOOD DR.<br>SANTA PAULA, CA 93060 |

|            |          |                                |              |
|------------|----------|--------------------------------|--------------|
| TITLE:     |          | FLEX TUBE KIT,<br>UP TO 2000mm |              |
| SIZE       | DWG. NO. |                                | REV          |
| A          | 5216139  |                                | A            |
| SCALE: 1:3 |          |                                | SHEET 1 OF 1 |

| REVISION |                                                                  |            |           |       |
|----------|------------------------------------------------------------------|------------|-----------|-------|
| REV      | DESCRIPTION                                                      | DATE       | EDITED BY | ECO#  |
| E        | REPLACED 5550481 WITH 5550087                                    | 10/29/2013 | TM        | 00593 |
| F        | REPLACED 5590240 WITH 5590175, UPDATED NEXT ASSEMBLIES           | 05/05/2015 | MR        | 00683 |
| G        | SWITCHED POSITIONS OF 5550087 AND 5550486, UPDATED NEXT ASSEMBLY | 06/16/2016 | TS        | 00765 |

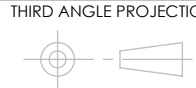


| ITEM NO | PART NUMBER | DESCRIPTION                 | QTY | REV |
|---------|-------------|-----------------------------|-----|-----|
| 1       | 5700031     | ZERO ANGLE MOUNTING BRACKET | 1   | C   |
| 2       | 5590175     | PUSH BUTTON AIR VALVE       | 1   | -   |
| 3       | 5530043     | SHCS M3 x 0.5 x 30          | 2   | -   |
| 4       | 5545024     | WASHER, M3 x 9mm FLAT       | 2   | -   |
| 5       | 5535020     | NUT M3 x 0.5, NL CL8        | 2   | -   |
| 6       | 5550087     | FTG ELB -04 COMP x -02 NPT  | 1   | -   |
| 7       | 5550486     | FTG NPL -02 NPT x -04 F NPT | 1   | -   |

DO NOT SCALE DRAWING

NAME DATE  
DRAWN AC 03/14/2008  
CHECKED CA 09/02/2015

DIMENSIONS ARE IN MM



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**BendPak**  
1645 LEMONWOOD DR.  
SANTA PAULA, CA 93060

TITLE: PUSH BUTTON AIR  
ASSEMBLY

SIZE DWG. NO. REV  
**A** 5215096 G

SCALE: 2:3

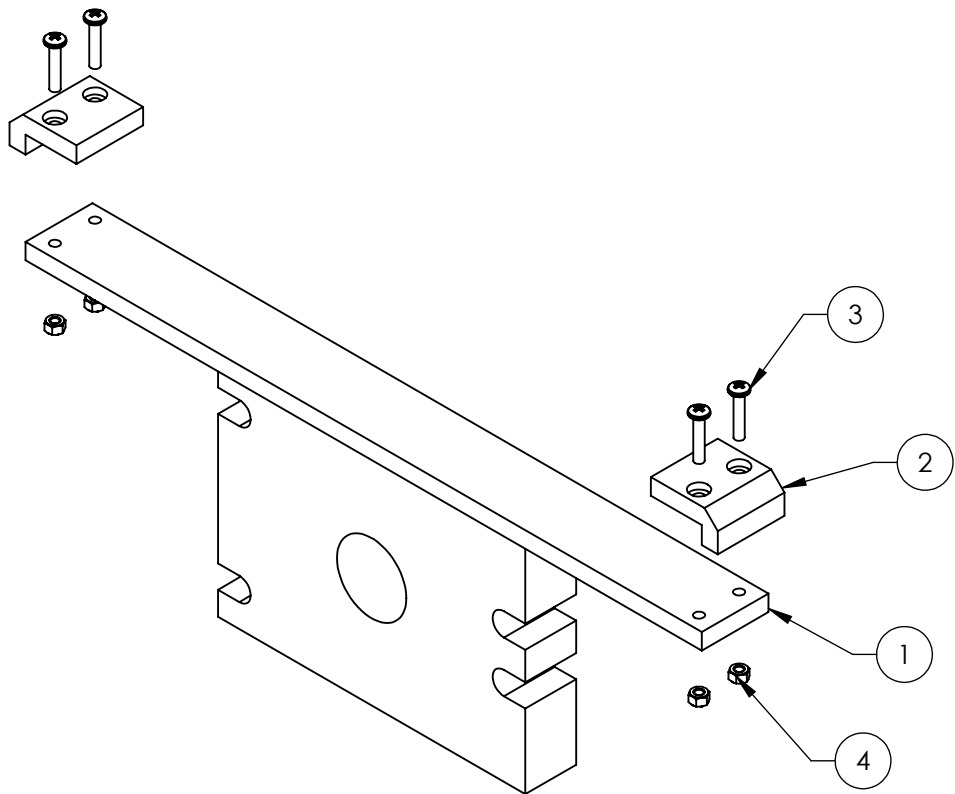
SHEET 1 OF 1

**NOTE: UNLESS OTHERWISE SPECIFIED.**

- SEE SHIPPING INSTRUCTIONS FOR FINAL PACKAGING
- ASSEMBLE ITEMS AS SHOWN

|               |
|---------------|
| NEXT ASSEMBLY |
| D4-12 SERIES  |
| HD SERIES     |
| HDS SERIES    |
| HDSO SERIES   |
| PL-12000DP    |

| REVISION |                                        |            |           |       |
|----------|----------------------------------------|------------|-----------|-------|
| REV      | DESCRIPTION                            | DATE       | EDITED BY | ECO#  |
| F        | UPDATED BOM REVISIONS                  | 05/10/2017 | TS        | 00829 |
| G        | UPDATED BOM REVISION AND NEXT ASSEMBLY | 12/28/2017 | TM        | 00909 |
| H        | UPDATED BOM REVISION                   | 10/10/2018 | CA        | 00945 |



| ITEM NO | PART NUMBER | DESCRIPTION                            | QTY | REV |
|---------|-------------|----------------------------------------|-----|-----|
| 1       | 5620202     | HDS-18/27 CYLINDER FLANGE ARM WELDMENT | 1   | E   |
| 2       | 5716153     | HDS-18/27/40 SERIES ALIGNMENT BLOCK    | 2   | E   |
| 3       | 5530095     | BHPS M6 x 1 x 30mmL                    | 4   | -   |
| 4       | 5535357     | NUT M6 x 1.0 NL                        | 4   | -   |

DO NOT SCALE DRAWING

| NAME       | DATE       |
|------------|------------|
| DRAWN GJZ  | 10/21/2008 |
| CHECKED CA | 10/30/2018 |

**BendPak.**

1645 LEMONWOOD DR.  
SANTA PAULA, CA 93060

DIMENSIONS ARE IN MM

THIRD ANGLE PROJECTION



TITLE:  
**HDS-18/27 SERIES CYLINDER  
FLANGE ARM ASSEMBLY**

| SIZE | DWG. NO. | REV |
|------|----------|-----|
| A    | 5215159  | H   |

SCALE: 1:4

SHEET 1 OF 1

**NOTE: UNLESS OTHERWISE SPECIFIED.**

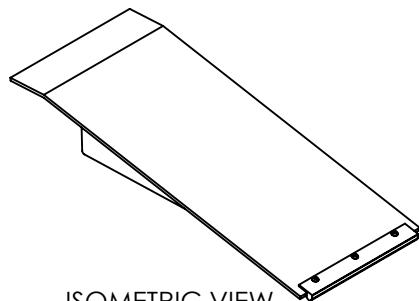
- SEE SHIPPING INSTRUCTIONS FOR FINAL PACKAGING
- ASSEMBLE ITEMS AS SHOWN

| NEXT ASSEMBLY |
|---------------|
| 5215157       |
| 5215164       |
| 5215657       |
| 5215689       |

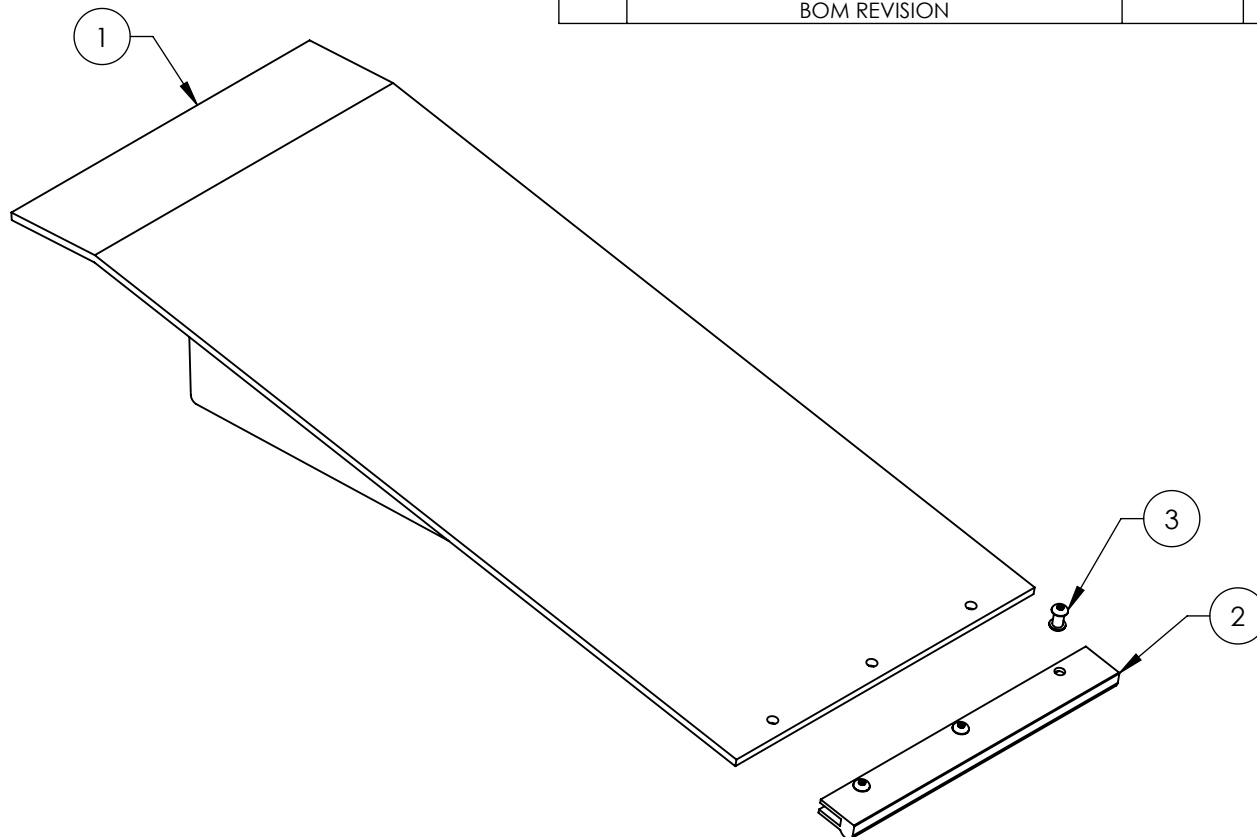


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ISOMETRIC VIEW  
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DO NOT SCALE



| REVISION |                                                                                                  |            |           |       |
|----------|--------------------------------------------------------------------------------------------------|------------|-----------|-------|
| REV      | DESCRIPTION                                                                                      | DATE       | EDITED BY | ECO#  |
| H        | UPDATED BOM REVISIONS AND NEXT ASSEMBLY                                                          | 06/14/2018 | TS        | 00945 |
| J        | UPDATED BOM REVISION AND NEXT ASSEMBLIES                                                         | 10/03/2019 | TS        | 01120 |
| K        | REPLACED 5575663, WITH 5716088, REPLACED 5530012, AND 5530035 WITH 5530464, UPDATED BOM REVISION | 08/09/2022 | TM        | 01436 |

| WHERE USED    |
|---------------|
| HDS-18 SERIES |
| HDS-27 SERIES |

**NOTE: UNLESS OTHERWISE SPECIFIED.**

1. REFER TO MODEL FOR ADDITIONAL INFORMATION
2. SEE COLORS & GRAPHICS FOR LABEL PLACEMENT
3. SEE SHIPPING INSTRUCTIONS FOR FINAL PACKAGING
4. ASSEMBLE ITEMS AS SHOWN

| NEXT ASSEMBLY |
|---------------|
| 5245086       |
| 5245087       |
| 5245088       |
| 5245089       |
| 5245090       |

| ITEM NO | PART NUMBER | DESCRIPTION                               | QTY | REV |
|---------|-------------|-------------------------------------------|-----|-----|
| 1       | 5600196     | HDS-18/27 EXTENDED DRIVE UP RAMP WELDMENT | 1   | K   |
| 2       | 5716088     | HDS-18/27 APPROACH RAMP EDGE GUARD        | 1   | A   |
| 3       | 5530464     | BBSS M10 x 1.5 x 24mm                     | 3   | --  |

DO NOT SCALE DRAWING

DIMENSIONS ARE IN MM



| NAME       | DATE       |
|------------|------------|
| DRAWN AC   | 05/06/2009 |
| CHECKED OR | 08/16/2022 |

THIRD ANGLE PROJECTION



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**BP BendPak**  
1645 LEMONWOOD DR.  
SANTA PAULA, CA 93060

TITLE: HDS-18/27 EXTENDED  
DRIVE UP RAMP ASSEMBLY

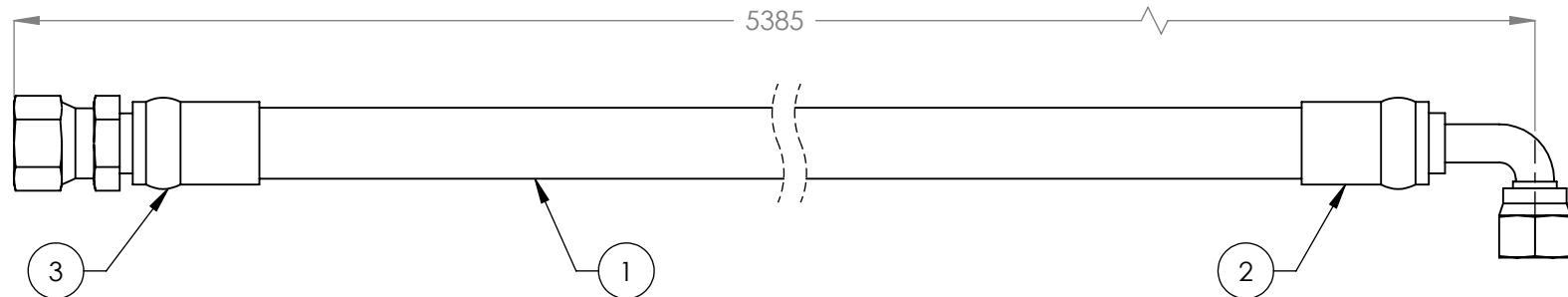
SIZE DWG. NO. REV  
**A** 5215161 K

SCALE: 1:10

SHEET 1 OF 1



| REVISION |                                                                                                                                       |            |           |       |
|----------|---------------------------------------------------------------------------------------------------------------------------------------|------------|-----------|-------|
| REV      | DESCRIPTION                                                                                                                           | DATE       | EDITED BY | ECO#  |
| A        | PRODUCTION RELEASE                                                                                                                    | 08/27/2008 | AC        | 00235 |
| B        | UNOBSOLETE DUE TO USE IN HDS-27/27A,<br>CHANGED LENGTH WAS 3385 NOW 5385,<br>UPDATED TITLE AND NEXT ASSEMBLY TO<br>REFLECT WHERE USED | 06/11/2010 | TM        | 00371 |
| B-001    | UPDATED NEXT ASSEMBLIES                                                                                                               | 05/21/2013 | TM        | 00593 |
| C        | UPDATED TITLE TO REFLECT WHERE USED                                                                                                   | 09/18/2015 | TM        | 00724 |



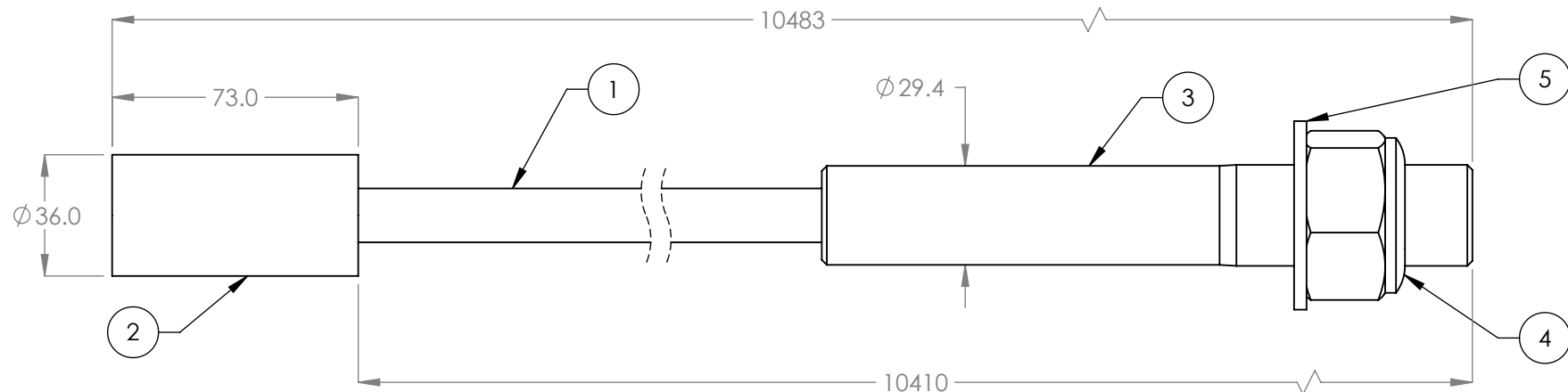
| ITEM NO | PART NUMBER | DESCRIPTION                 | QTY.    | REV |
|---------|-------------|-----------------------------|---------|-----|
| 1       | 5570116     | Ø10 ID HYDRAULIC HOSE       | 5325*mm | -   |
| 2       | 5550337     | FTG ELB -06 CRIMP x -06 JIC | 1       | -   |
| 3       | 5550336     | FTG NPL -06 CRIMP x -06 JIC | 1       | -   |

|                                                                                                                                                                                                |  |                                                                                                                                                                                                                                               |      |                                                                                                                                                          |                                                      |            |              |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|----------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------|------------|--------------|
| DO NOT SCALE DRAWING                                                                                                                                                                           |  | NAME                                                                                                                                                                                                                                          | DATE | <div></div> <div>1645 LEMONWOOD DR.<br/>SANTA PAULA, CA 93060</div> |                                                      |            |              |
| DIMENSIONS ARE IN MM<br>TOLERANCES:<br><br>0. = ±1.5<br>0.0 = ±1.0<br>0.00 = ±0.25<br>0.000 = ±0.13<br><br>SURFACE FINISH 1.6 ISO Ra µm<br>FOR MACHINED SURFACES<br>UNLESS OTHERWISE SPECIFIED |  | DRAWN                                                                                                                                                                                                                                         | AC   |                                                                                                                                                          |                                                      | 08/27/2008 |              |
|                                                                                                                                                                                                |  | CHECKED                                                                                                                                                                                                                                       | CA   |                                                                                                                                                          |                                                      | 02/02/2016 |              |
| Y                                                                                                                                                                                              |  | THIRD ANGLE PROJECTION                                                                                                                                                                                                                        |      |                                                                                                                                                          | TITLE:<br>HDS-27 HYDRAULIC HOSE<br>ASSY Ø10 x 5385mm |            |              |
|                                                                                                                                                                                                |  |                                                                                                                                                          |      |                                                                                                                                                          |                                                      |            |              |
|                                                                                                                                                                                                |  | PROPRIETARY AND CONFIDENTIAL<br>THE INFORMATION CONTAINED IN THIS DRAWING IS<br>THE SOLE PROPERTY OF <b>BENDPAK INC.</b> ANY<br>REPRODUCTION IN PART OR AS A WHOLE WITHOUT<br>THE WRITTEN PERMISSION OF <b>BENDPAK INC.</b> IS<br>PROHIBITED. |      |                                                                                                                                                          |                                                      |            |              |
| NEXT ASSEMBLY<br>5250172<br>5250173                                                                                                                                                            |  |                                                                                                                                                                                                                                               |      |                                                                                                                                                          | SIZE                                                 | DWG. NO.   | REV          |
|                                                                                                                                                                                                |  |                                                                                                                                                                                                                                               |      |                                                                                                                                                          | A                                                    | 5570901    | C            |
|                                                                                                                                                                                                |  |                                                                                                                                                                                                                                               |      |                                                                                                                                                          | SCALE: 1:2                                           |            | SHEET 1 OF 1 |

**NOTE: UNLESS OTHERWISE SPECIFIED.**

1. FOR ITEM 1 SPECIFICATIONS REFER TO PART SPECIFICATION FORM
2. (\*)ITEM 1 QTY FOR REFERENCE ONLY

| REVISION |                                                               |            |           |       |
|----------|---------------------------------------------------------------|------------|-----------|-------|
| REV      | DESCRIPTION                                                   | DATE       | EDITED BY | ECO#  |
| F        | UPDATED TITLE TO REFLECT WHERE USED,<br>UPDATED NEXT ASSEMBLY | 09/18/2015 | TM        | 00724 |
| G        | UPDATED BOM REVISION                                          | 12/28/2017 | TM        | 00909 |
| H        | ADDED 5535104 AND 5545415, UPDATED TITLE<br>AND NEXT ASSEMBLY | 07/21/2020 | TM        | 01174 |



|               |
|---------------|
| WHERE USED    |
| HDS-18 SERIES |
| HDS-27        |

**NOTE: UNLESS OTHERWISE SPECIFIED.**

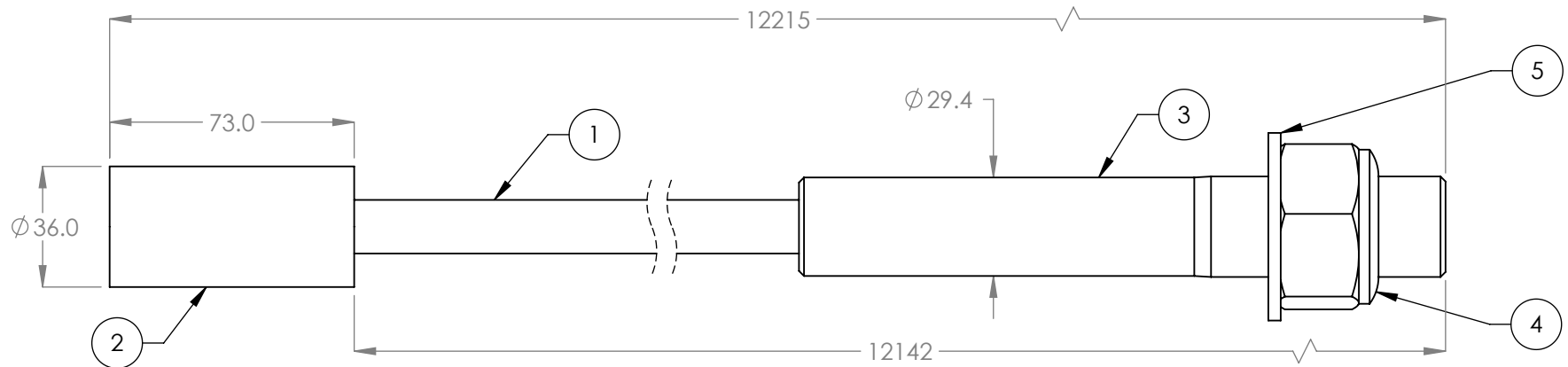
- FOR ITEM 1 SPECIFICATIONS REFER TO PART SPECIFICATION FORM
- LENGTH SHOWN IS AFTER SWAGING
- ITEM 1 QTY FOR REFERENCE ONLY
- THREAD 5535104 WITH 5545415 ONTO CABLES FOR SHIPMENT

|               |
|---------------|
| NEXT ASSEMBLY |
| 5250172       |
| 5250286       |

| ITEM NO | PART NUMBER | DESCRIPTION                  | QTY.     | REV |
|---------|-------------|------------------------------|----------|-----|
| 1       | 5595190     | CABLE, LIFTING 16mm          | 10330mm* | -   |
| 2       | 5746061     | Ø16 CABLE BUTTON             | 1        | C   |
| 3       | 5746060     | Ø16 THREADED CABLE CONNECTOR | 1        | A   |
| 4       | 5535104     | NUT M30 x 3.5 NL             | 1        | -   |
| 5       | 5545415     | WASHER M30 x 56 FLAT         | 1        | -   |

|                                                                                                                                                                                                                                               |  |                                                                                       |            |                                                                                                                                                      |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|---------------------------------------------------------------------------------------|------------|------------------------------------------------------------------------------------------------------------------------------------------------------|
| DO NOT SCALE DRAWING                                                                                                                                                                                                                          |  | NAME                                                                                  | DATE       |  <b>BendPak.</b><br>1645 LEMONWOOD DR.<br>SANTA PAULA, CA 93060 |
| DRAWN                                                                                                                                                                                                                                         |  | AC                                                                                    | 05/16/2008 |                                                                                                                                                      |
| CHECKED                                                                                                                                                                                                                                       |  |                                                                                       |            |                                                                                                                                                      |
| DIMENSIONS ARE IN MM<br>TOLERANCES:<br>0. = ±1.5<br>0.0 = ±0.5                                                                                                                                                                                |  | THIRD ANGLE PROJECTION                                                                |            | TITLE:<br>HDS-18/27 CABLE ASSEMBLY<br>Ø16 x 10483mm ST                                                                                               |
| SURFACE FINISH 1.6 ISO Ra µm<br>FOR MACHINED SURFACES<br>UNLESS OTHERWISE SPECIFIED                                                                                                                                                           |  |  |            |                                                                                                                                                      |
| PROPRIETARY AND CONFIDENTIAL<br>THE INFORMATION CONTAINED IN THIS DRAWING IS<br>THE SOLE PROPERTY OF <b>BENDPAK INC.</b> ANY<br>REPRODUCTION IN PART OR AS A WHOLE WITHOUT<br>THE WRITTEN PERMISSION OF <b>BENDPAK INC.</b> IS<br>PROHIBITED. |  | SIZE DWG. NO.                                                                         |            |                                                                                                                                                      |
| Y                                                                                                                                                                                                                                             |  | A 5595806                                                                             |            | REV<br>H                                                                                                                                             |
| SCALE: 1:2                                                                                                                                                                                                                                    |  |                                                                                       |            | SHEET 1 OF 1                                                                                                                                         |

| REVISION |                                                                |            |           |       |
|----------|----------------------------------------------------------------|------------|-----------|-------|
| REV      | DESCRIPTION                                                    | DATE       | EDITED BY | ECO#  |
| G        | UPDATED TITLE TO REFLECT WHERE USED, UPDATED NEXT ASSEMBLY     | 09/18/2015 | TM        | 00724 |
| H        | WAS 12100 NOW 12142, WAS 12023 NOW 12118, UPDATED BOM REVISION | 12/28/2017 | TM        | 00909 |
| J        | ADDED 5535104 AND 5545415, UPDATED TITLE AND NEXT ASSEMBLY     | 07/21/2020 | TM        | 01174 |



| ITEM NO | PART NUMBER | DESCRIPTION                  | QTY.     | REV |
|---------|-------------|------------------------------|----------|-----|
| 1       | 5595190     | CABLE, LIFTING 16mm          | 12118mm* | -   |
| 2       | 5746061     | Ø16 CABLE BUTTON             | 1        | C   |
| 3       | 5746060     | Ø16 THREADED CABLE CONNECTOR | 1        | A   |
| 4       | 5535104     | NUT M30 x 3.5 NL             | 1        | -   |
| 5       | 5545415     | WASHER M30 x 56 FLAT         | 1        | -   |

|               |
|---------------|
| WHERE USED    |
| HDS-18 SERIES |
| HDS-27        |

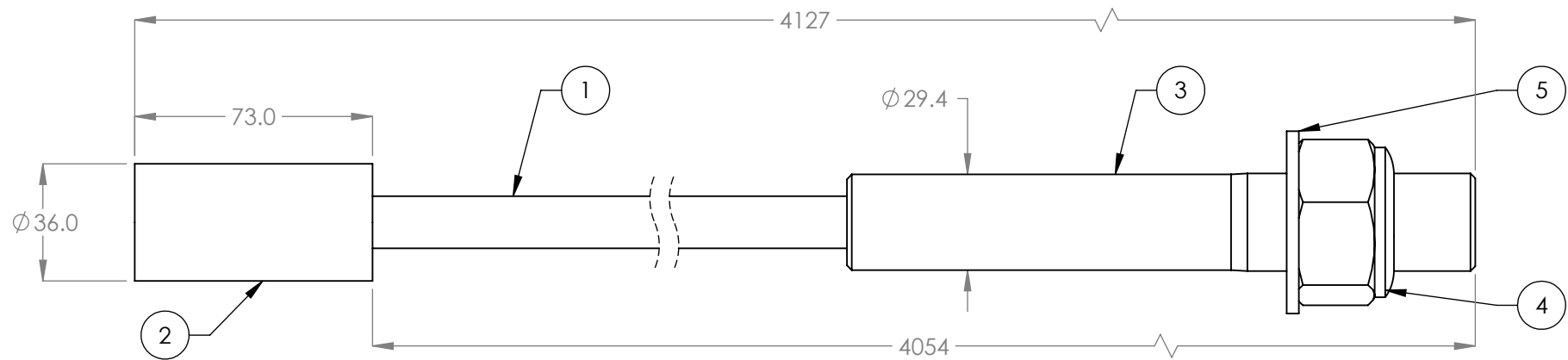
**NOTE: UNLESS OTHERWISE SPECIFIED.**

- FOR ITEM 1 SPECIFICATIONS REFER TO PART SPECIFICATION FORM
- LENGTH SHOWN IS AFTER SWAGING
- ITEM 1 QTY FOR REFERENCE ONLY
- THREAD 5535104 WITH 5545415 ONTO CABLES FOR SHIPMENT

|               |
|---------------|
| NEXT ASSEMBLY |
| 5250172       |
| 5250286       |

|                                                                                                                                                                                     |  |                        |            |                                                 |  |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|------------------------|------------|-------------------------------------------------|--|
| DO NOT SCALE DRAWING                                                                                                                                                                |  | NAME                   | DATE       | <br>1645 LEMONWOOD DR.<br>SANTA PAULA, CA 93060 |  |
| DRAWN                                                                                                                                                                               |  | AC                     | 05/16/2008 |                                                 |  |
| CHECKED                                                                                                                                                                             |  |                        |            |                                                 |  |
| DIMENSIONS ARE IN MM<br>TOLERANCES:<br>0. = ±1.5<br>0.0 = ±0.5                                                                                                                      |  | THIRD ANGLE PROJECTION |            | TITLE:                                          |  |
| SURFACE FINISH 1.6 ISO Ra µm<br>FOR MACHINED SURFACES<br>UNLESS OTHERWISE SPECIFIED                                                                                                 |  |                        |            | HDS-18/27 CABLE ASSEMBLY<br>Ø16 x 12215mm ST    |  |
| THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF BENDPAK INC. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF BENDPAK INC. IS PROHIBITED. |  | SIZE DWG. NO.          |            | REV                                             |  |
|                                                                                                                                                                                     |  | A 5595807              |            | J                                               |  |
|                                                                                                                                                                                     |  | SCALE: 1:2             |            | SHEET 1 OF 1                                    |  |

| REVISION |                                                           |            |           |       |
|----------|-----------------------------------------------------------|------------|-----------|-------|
| REV      | DESCRIPTION                                               | DATE       | EDITED BY | ECO#  |
| C        | UPDATED TITLE TO REFLECT WHERE USED AND NEXT ASSEMBLIES   | 08/04/2015 | TM        | 00683 |
| C-001    | UPDATED NEXT ASSEMBLIES                                   | 09/18/2015 | TM        | 00724 |
| D        | UPDATED TITLE TO REFLECT WHERE USED, UPDATED BOM REVISION | 12/20/2017 | TM        | 00909 |
| E        | ADDED 5535104 AND 5545415                                 | 07/21/2020 | TM        | 01174 |



| ITEM NO | PART NUMBER | DESCRIPTION                    | QTY.    | REV |
|---------|-------------|--------------------------------|---------|-----|
| 1       | 5595190     | CABLE, LIFTING 16mm            | 3977mm* | -   |
| 2       | 5746061     | Ø16 CABLE BUTTON               | 1       | C   |
| 3       | 5746060     | Ø16mm THREADED CABLE CONNECTOR | 1       | A   |
| 4       | 5535104     | NUT M30 x 3.5 NL               | 1       | -   |
| 5       | 5545415     | WASHER M30 x 56 FLAT           | 1       | -   |

|               |
|---------------|
| WHERE USED    |
| HDS-18 SERIES |
| HDS-27        |
| HDS-27X       |

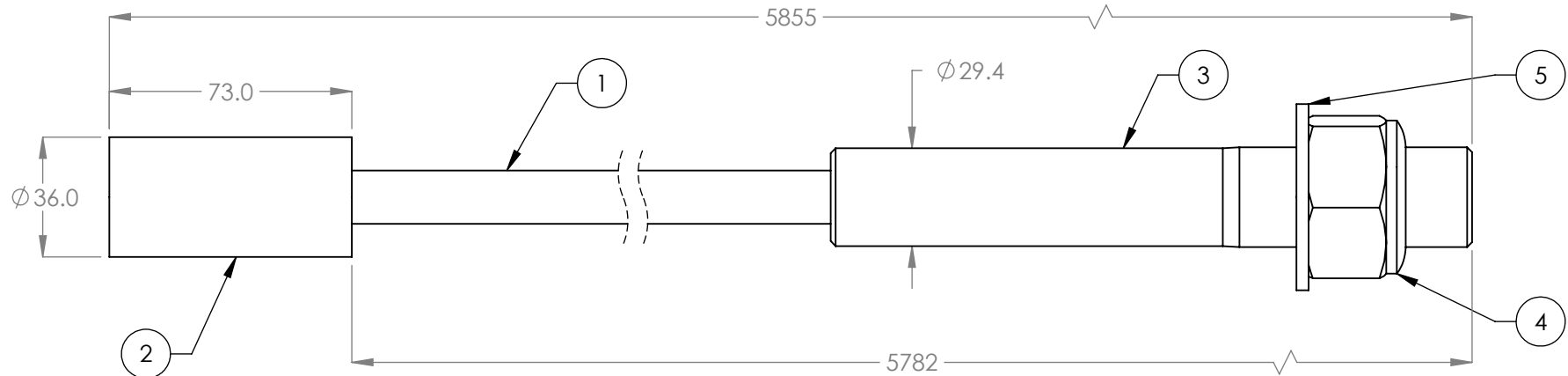
**NOTE: UNLESS OTHERWISE SPECIFIED.**

- FOR ITEM 1 SPECIFICATIONS REFER TO PART SPECIFICATION FORM
- LENGTH SHOWN IS AFTER SWAGING
- ITEM 1 QTY FOR REFERENCE ONLY
- THREAD 5535104 WITH 5545415 ONTO CABLES FOR SHIPMENT

|               |
|---------------|
| NEXT ASSEMBLY |
| 5250172       |
| 5250175       |
| 5250286       |

|                                                                                                                                                               |  |                                                                                                                                                                                                                                               |      |                                                                                                                                                          |              |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------|--|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|----------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|
| DO NOT SCALE DRAWING                                                                                                                                          |  | NAME                                                                                                                                                                                                                                          | DATE |  <b>BendPak.</b><br><br>1645 LEMONWOOD DR.<br>SANTA PAULA, CA 93060 |              |
|                                                                                                                                                               |  | DRAWN                                                                                                                                                                                                                                         | MT   |                                                                                                                                                          | 04/19/2011   |
|                                                                                                                                                               |  | CHECKED                                                                                                                                                                                                                                       | OR   |                                                                                                                                                          | 08/28/2020   |
| DIMENSIONS ARE IN MM<br>TOLERANCES:<br><br>0. = ±1.5<br>0.0 = ±0.5<br><br>SURFACE FINISH 1.6 ISO Ra µm<br>FOR MACHINED SURFACES<br>UNLESS OTHERWISE SPECIFIED |  | THIRD ANGLE PROJECTION                                                                                                                                                                                                                        |      | TITLE:                                                                                                                                                   |              |
|                                                                                                                                                               |  |                                                                                                                                                          |      | HDS-18E/18EA/27 CABLE<br>ASSEMBLY Ø16 x 4127mm ST                                                                                                        |              |
|                                                                                                                                                               |  | PROPRIETARY AND CONFIDENTIAL<br>THE INFORMATION CONTAINED IN THIS DRAWING IS<br>THE SOLE PROPERTY OF <b>BENDPAK INC.</b> ANY<br>REPRODUCTION IN PART OR AS A WHOLE WITHOUT<br>THE WRITTEN PERMISSION OF <b>BENDPAK INC.</b> IS<br>PROHIBITED. |      | SIZE DWG. NO.                                                                                                                                            | REV          |
|                                                                                                                                                               |  | A                                                                                                                                                                                                                                             |      | 5595835                                                                                                                                                  | E            |
|                                                                                                                                                               |  | SCALE: 1:2                                                                                                                                                                                                                                    |      |                                                                                                                                                          | SHEET 1 OF 1 |

| REVISION |                                                           |            |           |       |
|----------|-----------------------------------------------------------|------------|-----------|-------|
| REV.     | DESCRIPTION                                               | DATE       | EDITED BY | ECO#  |
| C        | UPDATED TITLE TO REFLECT WHERE USED AND NEXT ASSEMBLIES   | 08/04/2015 | TM        | 00683 |
| C-001    | UPDATED NEXT ASSEMBLIES                                   | 09/18/2015 | TM        | 00724 |
| D        | UPDATED TITLE TO REFLECT WHERE USED, UPDATED BOM REVISION | 12/20/2017 | TM        | 00909 |
| E        | ADDED 5535104 AND 5545415, UPDATED NEXT ASSEMBLY          | 07/21/2020 | TM        | 01174 |



| WHERE USED    |
|---------------|
| HDS-18 SERIES |
| HDS-27        |
| HDS-27X       |

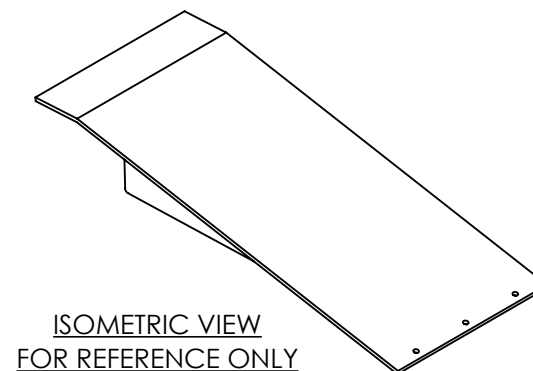
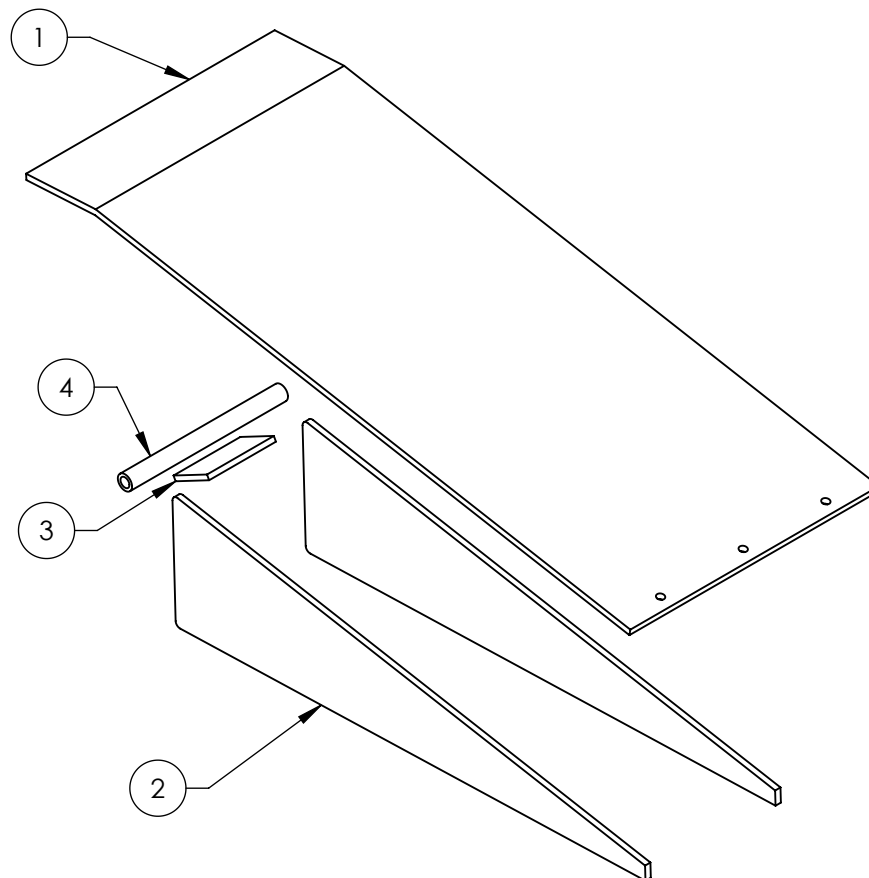
**NOTE: UNLESS OTHERWISE SPECIFIED.**

- FOR ITEM 1 SPECIFICATIONS REFER TO PART SPECIFICATION FORM
- LENGTH SHOWN IS AFTER SWAGING
- ITEM 1 QTY FOR REFERENCE ONLY
- THREAD 5535104 WITH 5545415 ONTO CABLES FOR SHIPMENT

| NEXT ASSEMBLY |
|---------------|
| 5250172       |
| 5250175       |
| 5250286       |

| ITEM NO | PART NUMBER | DESCRIPTION                    | QTY.    | REV |
|---------|-------------|--------------------------------|---------|-----|
| 1       | 5595190     | CABLE, LIFTING 16mm            | 5702mm* | -   |
| 2       | 5746061     | Ø16 CABLE BUTTON               | 1       | C   |
| 3       | 5746060     | Ø16mm THREADED CABLE CONNECTOR | 1       | A   |
| 4       | 5535104     | NUT M30 x 3.5 NL               | 1       | -   |
| 5       | 5545415     | WASHER M30 x 56 FLAT           | 1       | -   |

|                                                                                                                                                           |  |                                                                                                                                                                                                                                     |            |                                                 |     |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------|--|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|-------------------------------------------------|-----|
| DO NOT SCALE DRAWING                                                                                                                                      |  | NAME                                                                                                                                                                                                                                | DATE       | <br>1645 LEMONWOOD DR.<br>SANTA PAULA, CA 93060 |     |
| DRAWN                                                                                                                                                     |  | MT                                                                                                                                                                                                                                  | 04/19/2011 |                                                 |     |
| CHECKED                                                                                                                                                   |  | OR                                                                                                                                                                                                                                  | 08/28/2020 |                                                 |     |
| DIMENSIONS ARE IN MM<br>TOLERANCES:<br>0. = ±1.5<br>0.0 = ±0.5<br><br>SURFACE FINISH 1.6 ISO Ra µm<br>FOR MACHINED SURFACES<br>UNLESS OTHERWISE SPECIFIED |  | THIRD ANGLE PROJECTION                                                                                                                                                                                                              |            | TITLE:                                          |     |
|                                                                                                                                                           |  |                                                                                                                                                                                                                                     |            | HDS-18E/18EA/27 CABLE ASSEMBLY Ø16 x 5855mm ST  |     |
|                                                                                                                                                           |  | <small>PROPRIETARY AND CONFIDENTIAL<br/>THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF BENDPAK INC. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF BENDPAK INC. IS PROHIBITED.</small> |            | SIZE DWG. NO.                                   | REV |
|                                                                                                                                                           |  | A                                                                                                                                                                                                                                   |            | 5595836                                         | E   |
|                                                                                                                                                           |  | SCALE: 1:2                                                                                                                                                                                                                          |            | SHEET 1 OF 1                                    |     |



ISOMETRIC VIEW  
FOR REFERENCE ONLY  
DO NOT SCALE

| REVISION |                                                                                                          |            |           |       |
|----------|----------------------------------------------------------------------------------------------------------|------------|-----------|-------|
| REV      | DESCRIPTION                                                                                              | DATE       | EDITED BY | ECO#  |
| H        | WAS 217 NOW 283, WAS 100 NOW 90, UPDATED BOM REVISIONS                                                   | 06/14/2018 | TS        | 00945 |
| J        | UPDATED BOM REVISION, ADDED GLOSS NOTE TO PAINT                                                          | 10/03/2019 | TS        | 01120 |
| K        | REMOVED 5755032, REMOVED ALUMINUM OXIDE GRIT, WAS 1220 NOW 1218.6, WAS 270 NOW 271, UPDATED BOM REVISION | 08/08/2022 | TM        | 01436 |

| WHERE USED    |
|---------------|
| HDS-18 SERIES |
| HDS-27 SERIES |

**NOTE: UNLESS OTHERWISE SPECIFIED.**

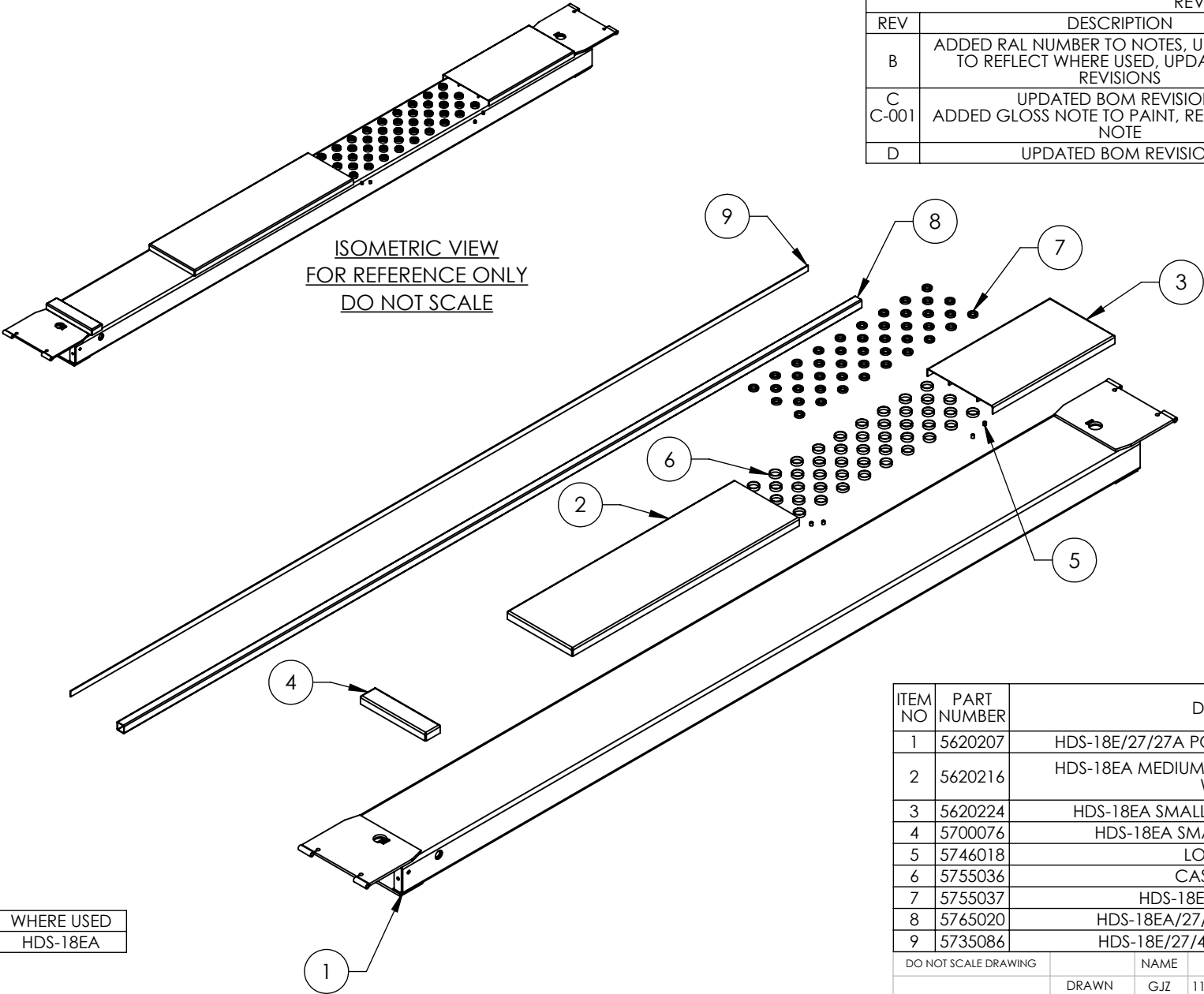
- REFER TO MODEL FOR ADDITIONAL INFORMATION
- BREAK AND DEBURR ALL SHARP EDGES 0.3mm
- REMOVE ALL WELD SPLATTER
- DIMENSIONS SHOWN ARE AFTER PAINTING
- PAINT YELLOW (RAL-1018) 20% GLOSS

NEXT ASSEMBLY  
5215161

| ITEM NO | PART NUMBER | DESCRIPTION                          | QTY | REV |
|---------|-------------|--------------------------------------|-----|-----|
| 1       | 5701054     | HDS-18/27 EXTENDED DRIVE UP RAMP     | 1   | E   |
| 2       | 5731011     | HDS-18/27/40 EXTENDED DRIVE UP WEDGE | 2   | F   |
| 3       | 5735465     | HDS-18/27/40 SERIES LONG HINGE STOP  | 1   | E   |
| 4       | 5755033     | LONG HINGE TUBE, DRIVE UP RAMP       | 1   | B   |

|                                                                                                                                                                                                                                 |  |                        |            |                                                  |   |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|------------------------|------------|--------------------------------------------------|---|
| DO NOT SCALE DRAWING                                                                                                                                                                                                            |  | NAME                   | DATE       | <br>1645 LEMONWOOD DR.<br>SANTA PAULA, CA 93060  |   |
| DRAWN                                                                                                                                                                                                                           |  | AC                     | 05/06/2009 |                                                  |   |
| CHECKED                                                                                                                                                                                                                         |  | OR                     | 08/16/2022 |                                                  |   |
| DIMENSIONS ARE IN MM<br>TOLERANCES:<br>0. = ±1.5<br>0.0 = ±0.5<br><br>SURFACE FINISH 1.6 ISO Ra µm<br>FOR MACHINED SURFACES<br>UNLESS OTHERWISE SPECIFIED                                                                       |  | THIRD ANGLE PROJECTION |            | TITLE: HDS-18/27 EXTENDED DRIVE UP RAMP WELDMENT |   |
|                                                                                                                                                                                                                                 |  |                        |            | SIZE DWG. NO. REV                                |   |
| PROPRIETARY AND CONFIDENTIAL<br>THE INFORMATION CONTAINED IN THIS DRAWING IS<br>THE SOLE PROPERTY OF BENDPAK INC. ANY<br>REPRODUCTION IN PART OR AS A WHOLE WITHOUT<br>THE WRITTEN PERMISSION OF BENDPAK INC. IS<br>PROHIBITED. |  | A                      |            | 5600196                                          | K |
|                                                                                                                                                                                                                                 |  | SCALE: 1:12            |            | SHEET 1 OF 2                                     |   |

| REVISION |                                                                                       |            |           |       |
|----------|---------------------------------------------------------------------------------------|------------|-----------|-------|
| REV      | DESCRIPTION                                                                           | DATE       | EDITED BY | ECO#  |
| B        | ADDED RAL NUMBER TO NOTES, UPDATED TITLE TO REFLECT WHERE USED, UPDATED BOM REVISIONS | 12/05/2016 | TS        | 00778 |
| C        | UPDATED BOM REVISIONS                                                                 | 08/28/2018 | CA        | 00945 |
| C-001    | ADDED GLOSS NOTE TO PAINT, REMOVED GRIT NOTE                                          | 02/03/2020 | CA        | 01120 |
| D        | UPDATED BOM REVISION                                                                  | 01/11/2022 | TM        | 01378 |



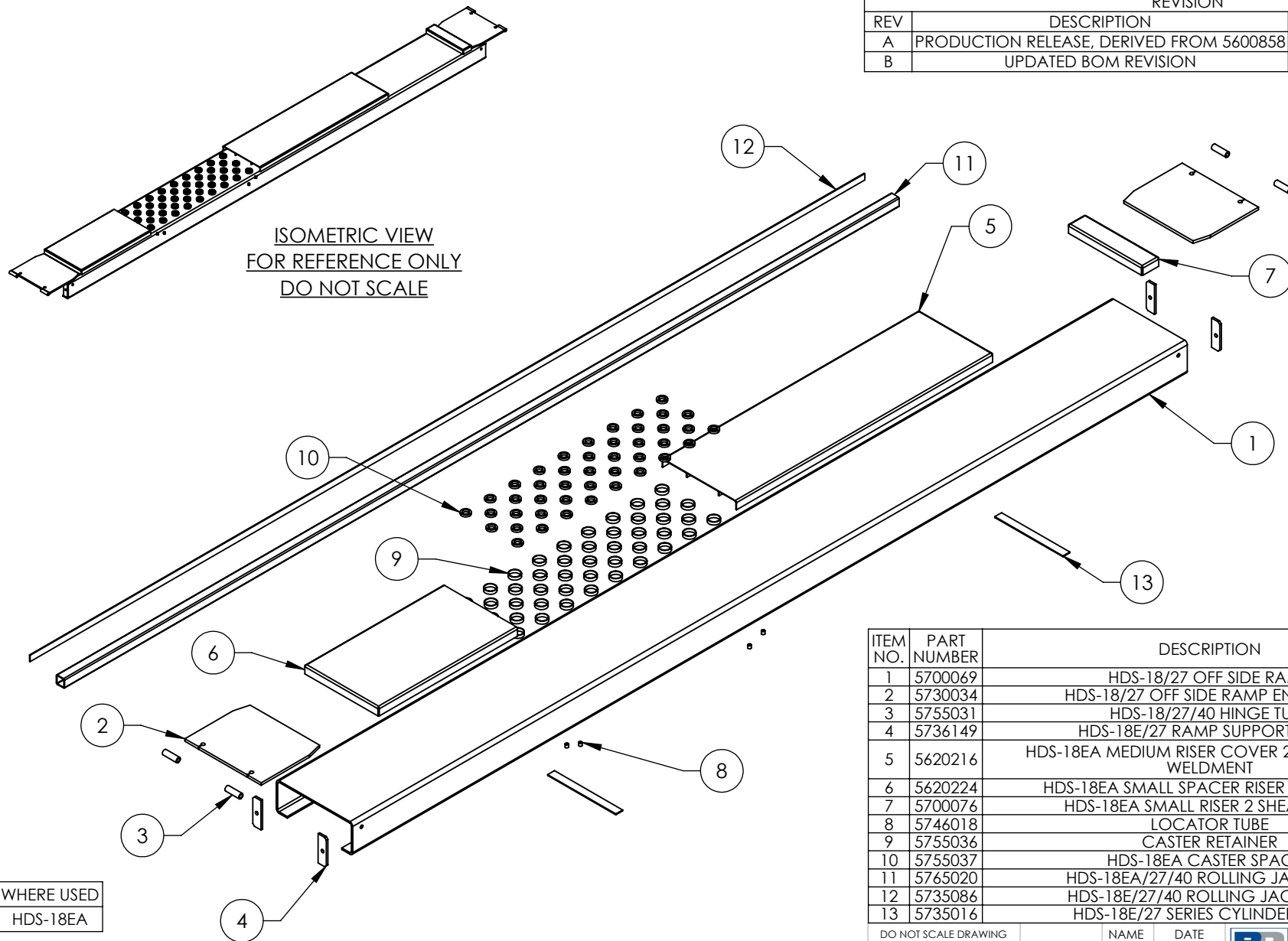
- NOTE: UNLESS OTHERWISE SPECIFIED.**
- REFER TO MODEL FOR ADDITIONAL INFORMATION
  - BREAK AND DEBURR ALL SHARP EDGES 0.3mm
  - REMOVE ALL WELD SPLATTER
  - DIMENSIONS SHOWN ARE AFTER PAINTING
  - PAINT GRAY (RAL-7024) 20% GLOSS

| ITEM NO | PART NUMBER | DESCRIPTION                                       | QTY | REV |
|---------|-------------|---------------------------------------------------|-----|-----|
| 1       | 5620207     | HDS-18E/27/27A POWER SIDE RAMP WELDMENT           | 1   | J   |
| 2       | 5620216     | HDS-18EA MEDIUM RISER COVER 2 SHEAVE END WELDMENT | 1   | B   |
| 3       | 5620224     | HDS-18EA SMALL SPACER RISER WELDMENT              | 1   | D   |
| 4       | 5700076     | HDS-18EA SMALL RISER 2 SHEAVE END                 | 1   | B   |
| 5       | 5746018     | LOCATOR TUBE                                      | 4   | B   |
| 6       | 5755036     | CASTER RETAINER                                   | 43  | A   |
| 7       | 5755037     | HDS-18EA CASTER SPACER                            | 43  | C   |
| 8       | 5765020     | HDS-18EA/27/40 ROLLING JACK TUBE                  | 1   | D   |
| 9       | 5735086     | HDS-18E/27/40 ROLLING JACK PLATE                  | 1   | D   |

|                                                                                                  |  |                                                                                       |          |                                                                                                                  |                                                         |
|--------------------------------------------------------------------------------------------------|--|---------------------------------------------------------------------------------------|----------|------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------|
| DO NOT SCALE DRAWING                                                                             |  | NAME                                                                                  | DATE     | <div> <b>BendPak.</b></div> |                                                         |
| <div>DIMENSIONS ARE IN MM<br/>TOLERANCES:<br/>0. = ±1.5<br/>0.0 = ±0.5</div>                     |  | DRAWN                                                                                 | GJZ      | 11/04/2008                                                                                                       | <div>1645 LEMONWOOD DR.<br/>SANTA PAULA, CA 93060</div> |
|                                                                                                  |  | CHECKED                                                                               | OR       | 01/11/2022                                                                                                       |                                                         |
|                                                                                                  |  | THIRD ANGLE PROJECTION                                                                |          |                                                                                                                  |                                                         |
| <div>SURFACE FINISH 1.6 ISO Ra µm<br/>FOR MACHINED SURFACES<br/>UNLESS OTHERWISE SPECIFIED</div> |  |  |          |                                                                                                                  | TITLE:<br>HDS-18EA POWER SIDE<br>RAMP WELDMENT          |
|                                                                                                  |  | SIZE                                                                                  | DWG. NO. | REV                                                                                                              |                                                         |
|                                                                                                  |  | A                                                                                     | 5600857  | D                                                                                                                |                                                         |
|                                                                                                  |  | SCALE: 1:35                                                                           |          |                                                                                                                  | SHEET 1 OF 3                                            |

PROPRIETARY AND CONFIDENTIAL  
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 THE WRITTEN PERMISSION OF BENDPAK INC. IS  
 PROHIBITED.

| REVISION |                                          |            |           |       |
|----------|------------------------------------------|------------|-----------|-------|
| REV      | DESCRIPTION                              | DATE       | EDITED BY | ECO#  |
| A        | PRODUCTION RELEASE, DERIVED FROM 5600858 | 12/16/2019 | TM        | 01120 |
| B        | UPDATED BOM REVISION                     | 01/11/2022 | TM        | 01378 |



|            |
|------------|
| WHERE USED |
| HDS-18EA   |

**NOTE: UNLESS OTHERWISE SPECIFIED.**

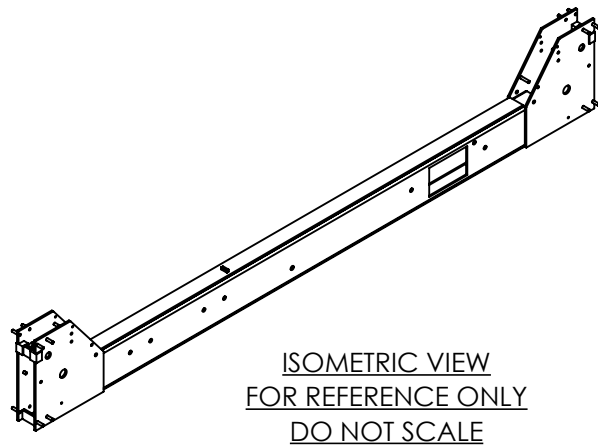
1. REFER TO MODEL FOR ADDITIONAL INFORMATION
2. BREAK AND DEBURR ALL SHARP EDGES 0.3mm
3. REMOVE ALL WELD SPLATTER
4. DIMENSIONS SHOWN ARE AFTER PAINTING
5. PAINT GRAY (RAL-7024) 20% GLOSS

| ITEM NO. | PART NUMBER | DESCRIPTION                                       | QTY | REV |
|----------|-------------|---------------------------------------------------|-----|-----|
| 1        | 5700069     | HDS-18/27 OFF SIDE RAMP                           | 1   | D   |
| 2        | 5730034     | HDS-18/27 OFF SIDE RAMP END PLATE                 | 2   | B   |
| 3        | 5755031     | HDS-18/27/40 HINGE TUBE                           | 4   | D   |
| 4        | 5736149     | HDS-18E/27 RAMP SUPPORT PLATE                     | 4   | B   |
| 5        | 5620216     | HDS-18EA MEDIUM RISER COVER 2 SHEAVE END WELDMENT | 1   | B   |
| 6        | 5620224     | HDS-18EA SMALL SPACER RISER WELDMENT              | 1   | D   |
| 7        | 5700076     | HDS-18EA SMALL RISER 2 SHEAVE END                 | 1   | B   |
| 8        | 5746018     | LOCATOR TUBE                                      | 4   | B   |
| 9        | 5755036     | CASTER RETAINER                                   | 43  | A   |
| 10       | 5755037     | HDS-18EA CASTER SPACER                            | 43  | C   |
| 11       | 5765020     | HDS-18EA/27/40 ROLLING JACK TUBE                  | 1   | D   |
| 12       | 5735086     | HDS-18E/27/40 ROLLING JACK PLATE                  | 1   | D   |
| 13       | 5735016     | HDS-18E/27 SERIES CYLINDER STRAP                  | 2   | B   |

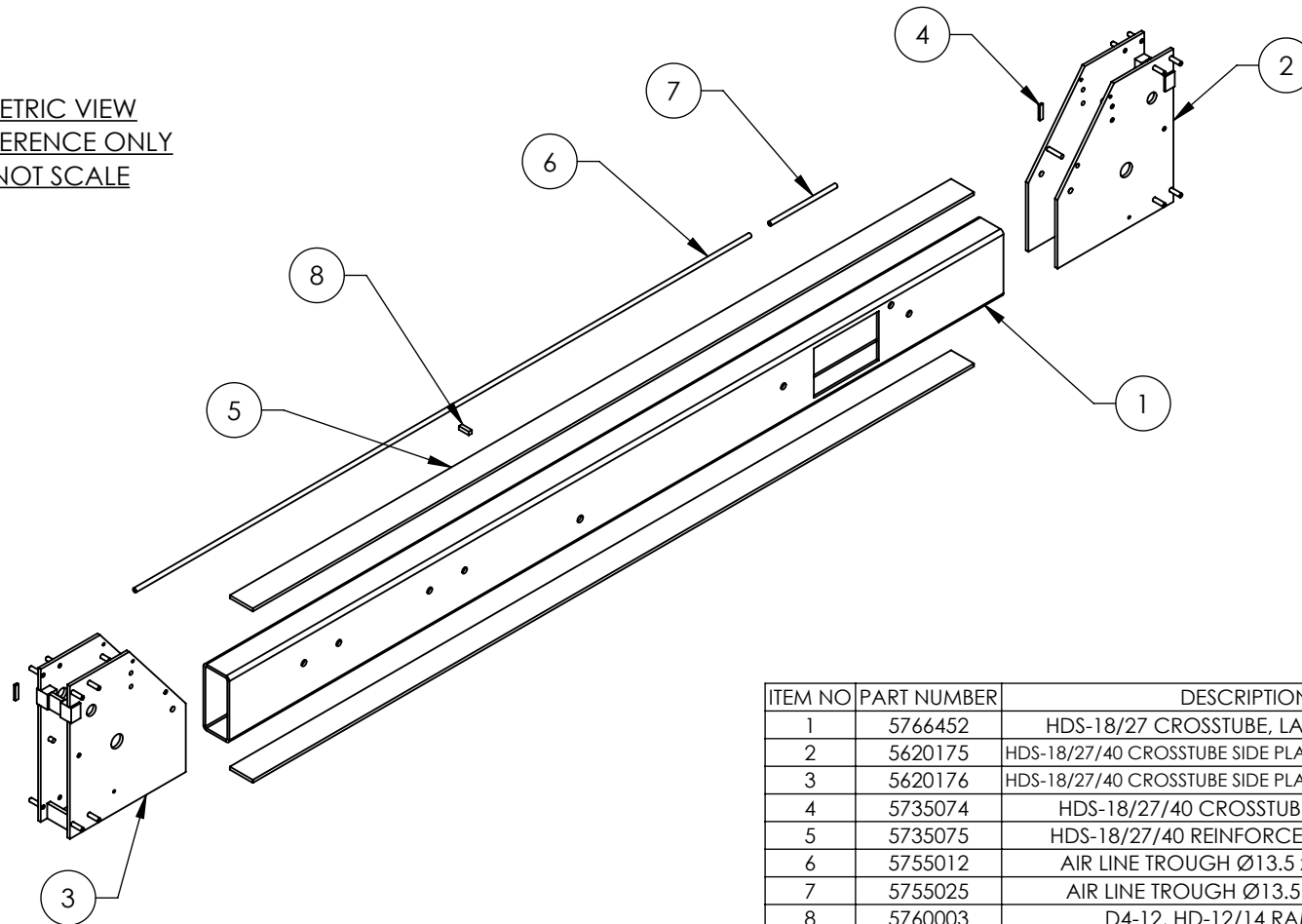
|                                                                                     |  |                                                                                                                                                                                                                                               |      |                                                                                                                                                                          |                                                          |            |              |  |
|-------------------------------------------------------------------------------------|--|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------|------------|--------------|--|
| DO NOT SCALE DRAWING                                                                |  | NAME                                                                                                                                                                                                                                          | DATE | <div> <b>BendPak.</b></div> <div>1645 LEMONWOOD DR.<br/>SANTA PAULA, CA 93060</div> |                                                          |            |              |  |
| DIMENSIONS ARE IN MM<br>TOLERANCES:<br><div>0. = ±1.5<br/>0.0 = ±0.5</div>          |  | DRAWN                                                                                                                                                                                                                                         | TM   |                                                                                                                                                                          |                                                          | 12/16/2019 |              |  |
|                                                                                     |  | CHECKED                                                                                                                                                                                                                                       | OR   |                                                                                                                                                                          |                                                          | 01/11/2022 |              |  |
| SURFACE FINISH 1.6 ISO Ra µm<br>FOR MACHINED SURFACES<br>UNLESS OTHERWISE SPECIFIED |  | THIRD ANGLE PROJECTION                                                                                                                                                                                                                        |      |                                                                                                                                                                          | TITLE:<br><div>HDS-18EA OFF SIDE<br/>RAMP WELDMENT</div> |            |              |  |
|                                                                                     |  |                                                                                                                                                          |      |                                                                                                                                                                          |                                                          |            |              |  |
|                                                                                     |  | PROPRIETARY AND CONFIDENTIAL<br>THE INFORMATION CONTAINED IN THIS DRAWING IS<br>THE SOLE PROPERTY OF <b>BENDPAK INC.</b> ANY<br>REPRODUCTION IN PART OR AS A WHOLE WITHOUT<br>THE WRITTEN PERMISSION OF <b>BENDPAK INC.</b> IS<br>PROHIBITED. |      |                                                                                                                                                                          | SIZE DWG. NO.                                            |            | REV          |  |
| Y                                                                                   |  |                                                                                                                                                                                                                                               |      | A                                                                                                                                                                        | 5601442                                                  |            | B            |  |
|                                                                                     |  |                                                                                                                                                                                                                                               |      |                                                                                                                                                                          | SCALE: 1:30                                              |            | SHEET 1 OF 3 |  |

|               |
|---------------|
| NEXT ASSEMBLY |
| 5215889       |





| REVISION |                                          |            |           |       |
|----------|------------------------------------------|------------|-----------|-------|
| REV      | DESCRIPTION                              | DATE       | EDITED BY | ECO#  |
| A        | PRODUCTION RELEASE, DERIVED FROM 5601443 | 05/02/2022 | TM        | 01414 |



| WHERE USED    |
|---------------|
| HDS-18 SERIES |
| HDS-27 SERIES |

**NOTE: UNLESS OTHERWISE SPECIFIED.**

1. REFER TO MODEL FOR ADDITIONAL INFORMATION
2. BREAK AND DEBURR ALL SHARP EDGES 0.3mm
3. REMOVE ALL WELD SPLATTER
4. DIMENSIONS SHOWN ARE AFTER PAINTING
5. PAINT GRAY (RAL-7024) 20% GLOSS

| ITEM NO | PART NUMBER | DESCRIPTION                                      | QTY | REV |
|---------|-------------|--------------------------------------------------|-----|-----|
| 1       | 5766452     | HDS-18/27 CROSSTUBE, LARGE WINDOW                | 1   | A   |
| 2       | 5620175     | HDS-18/27/40 CROSSTUBE SIDE PLATE SUBWELDMENT #1 | 1   | M   |
| 3       | 5620176     | HDS-18/27/40 CROSSTUBE SIDE PLATE SUBWELDMENT #2 | 1   | M   |
| 4       | 5735074     | HDS-18/27/40 CROSSTUBE SHAFT STOP                | 2   | D   |
| 5       | 5735075     | HDS-18/27/40 REINFORCER, CROSSTUBE               | 2   | C   |
| 6       | 5755012     | AIR LINE TROUGH Ø13.5 x Ø9.5 x 2362              | 1   | C   |
| 7       | 5755025     | AIR LINE TROUGH Ø13.5 x Ø9.5 x 254               | 1   | C   |
| 8       | 5760003     | D4-12, HD-12/14 RAMP STOP                        | 1   | C   |

DO NOT SCALE DRAWING

DIMENSIONS ARE IN MM  
TOLERANCES:

0. = ±1.5  
0.0 = ±0.5

SURFACE FINISH 1.6 ISO Ra µm  
FOR MACHINED SURFACES  
UNLESS OTHERWISE SPECIFIED

| NAME    | DATE          |
|---------|---------------|
| DRAWN   | TM 05/02/2022 |
| CHECKED | OR 06/06/2022 |

THIRD ANGLE PROJECTION



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1645 LEMONWOOD DR.  
SANTA PAULA, CA 93060

TITLE: HDS-18/27 CROSSTUBE  
WELDMENT, LARGE WINDOW

| SIZE | DWG. NO. | REV |
|------|----------|-----|
| A    | 5601831  | A   |

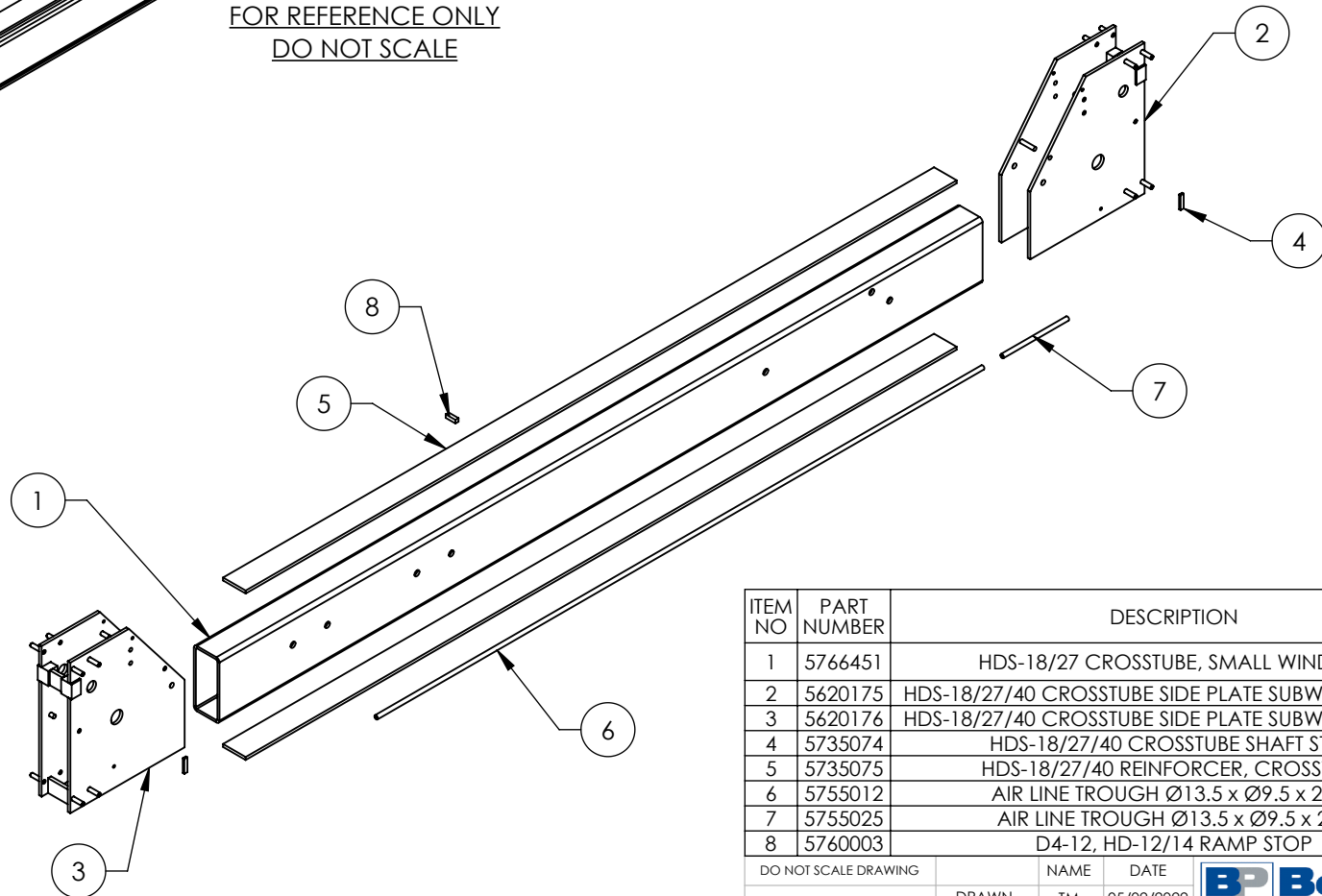
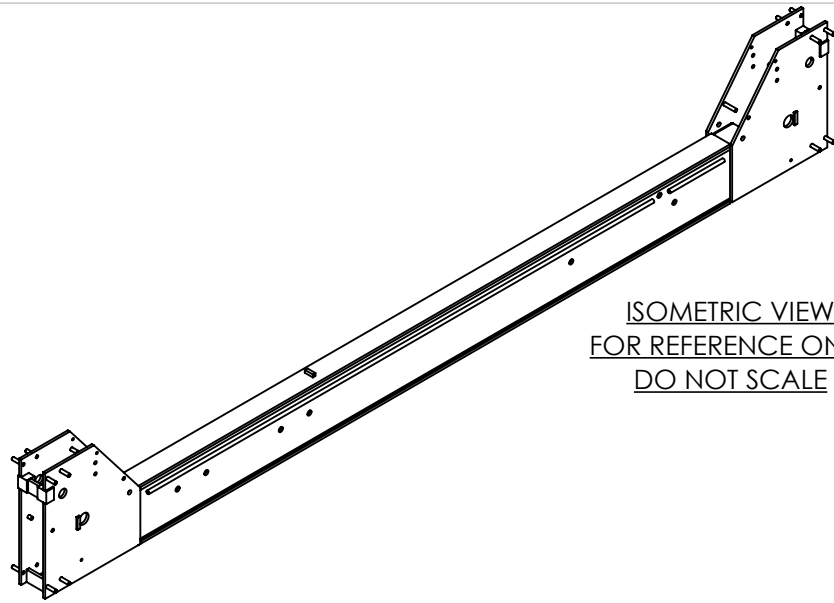
SCALE: 1:20

SHEET 1 OF 3

NEXT ASSEMBLY  
5216168

| REVISION |                                          |            |           |       |
|----------|------------------------------------------|------------|-----------|-------|
| REV      | DESCRIPTION                              | DATE       | EDITED BY | ECO#  |
| A        | PRODUCTION RELEASE, DERIVED FROM 5601444 | 05/02/2022 | TM        | 01414 |

ISOMETRIC VIEW  
FOR REFERENCE ONLY  
DO NOT SCALE



| WHERE USED    |
|---------------|
| HDS-18 SERIES |
| HDS-27 SERIES |

**NOTE: UNLESS OTHERWISE SPECIFIED.**

1. REFER TO MODEL FOR ADDITIONAL INFORMATION
2. BREAK AND DEBURR ALL SHARP EDGES 0.3mm
3. REMOVE ALL WELD SPLATTER
4. DIMENSIONS SHOWN ARE AFTER PAINTING
5. PAINT GRAY (RAL-7024) 20% GLOSS

NEXT ASSEMBLY  
5216167

| ITEM NO | PART NUMBER | DESCRIPTION                                      | QTY | REV |
|---------|-------------|--------------------------------------------------|-----|-----|
| 1       | 5766451     | HDS-18/27 CROSSTUBE, SMALL WINDOW                | 1   | A   |
| 2       | 5620175     | HDS-18/27/40 CROSSTUBE SIDE PLATE SUBWELDMENT #1 | 1   | M   |
| 3       | 5620176     | HDS-18/27/40 CROSSTUBE SIDE PLATE SUBWELDMENT #2 | 1   | M   |
| 4       | 5735074     | HDS-18/27/40 CROSSTUBE SHAFT STOP                | 2   | D   |
| 5       | 5735075     | HDS-18/27/40 REINFORCER, CROSSTUBE               | 2   | C   |
| 6       | 5755012     | AIR LINE TROUGH Ø13.5 x Ø9.5 x 2362              | 1   | C   |
| 7       | 5755025     | AIR LINE TROUGH Ø13.5 x Ø9.5 x 254               | 1   | C   |
| 8       | 5760003     | D4-12, HD-12/14 RAMP STOP                        | 1   | C   |

DO NOT SCALE DRAWING

DIMENSIONS ARE IN MM  
TOLERANCES:  
0. = ±1.5  
0.0 = ±0.5

SURFACE FINISH 1.6 ISO Ra µm  
FOR MACHINED SURFACES  
UNLESS OTHERWISE SPECIFIED

| NAME                   | DATE       |
|------------------------|------------|
| DRAWN TM               | 05/02/2022 |
| CHECKED OR             | 06/06/2022 |
| THIRD ANGLE PROJECTION |            |
|                        |            |

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**BendPak.**  
1645 LEMONWOOD DR.  
SANTA PAULA, CA 93060

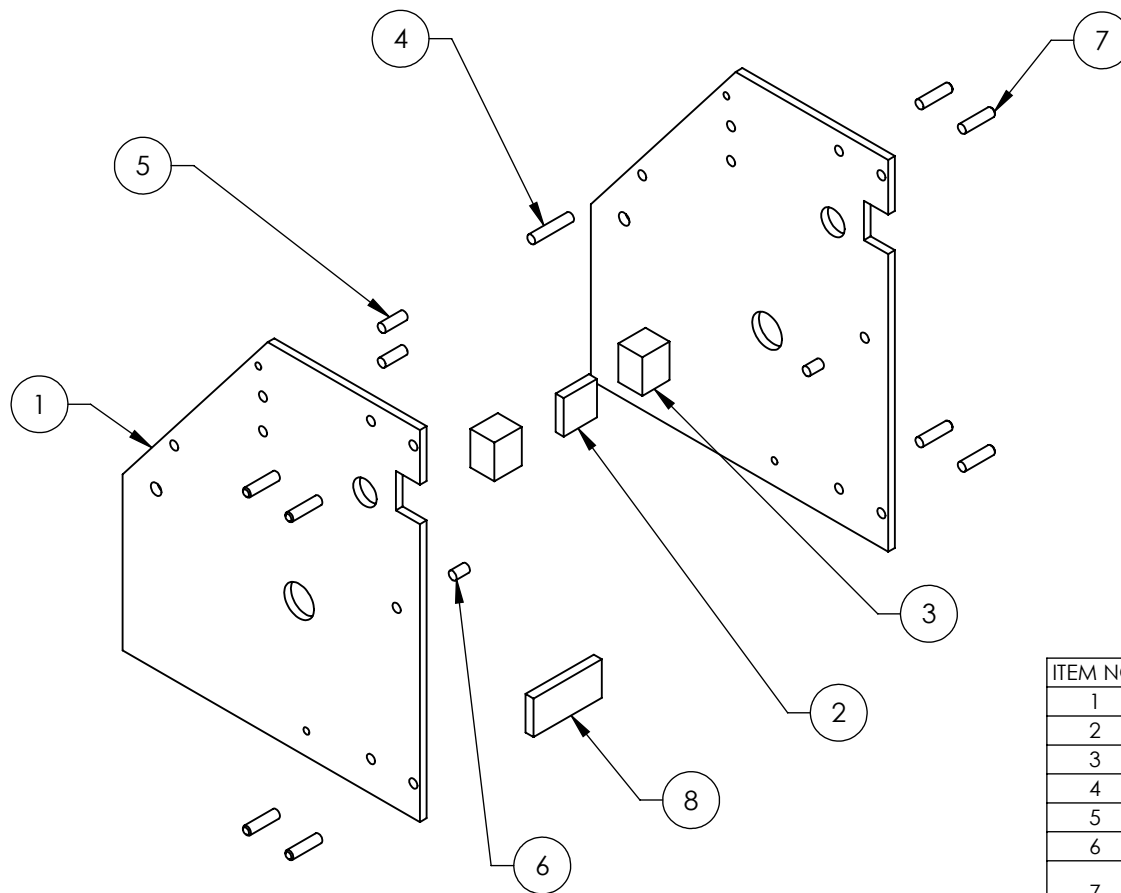
TITLE:  
HDS-18/27 CROSSTUBE  
WELDMENT, SMALL WINDOW

SIZE DWG. NO. REV  
**A** 5601832 **A**

SCALE: 1:20

SHEET 1 OF 3

| REVISION |                                                                                 |            |           |       |
|----------|---------------------------------------------------------------------------------|------------|-----------|-------|
| REV      | DESCRIPTION                                                                     | DATE       | EDITED BY | ECO#  |
| K        | UPDATED BOM REVISION                                                            | 12/18/2017 | TM        | 00909 |
| L        | UPDATED TITLE TO REFLECT WHERE USED,<br>UPDATED BOM REVISIONS AND NEXT ASSEMBLY | 05/14/2018 | TS        | 00945 |
| M        | UPDATED BOM REVISION AND NEXT ASSEMBLIES                                        | 10/16/2019 | TS        | 01120 |



ISOMETRIC VIEW  
FOR REFERENCE ONLY  
DO NOT SCALE

| ITEM NO | PART NUMBER | DESCRIPTION                                   | QTY | REV |
|---------|-------------|-----------------------------------------------|-----|-----|
| 1       | 5731008     | HDS-27/40 SERIES CROSSTUBE SIDE PLATE #1      | 2   | J   |
| 2       | 5735076     | HDS-27/40 SERIES SAFETY STOP BLOCK SUPPORT    | 1   | C   |
| 3       | 5735077     | HDS-27/40 SERIES EAR BLOCK SUPPORT            | 2   | C   |
| 4       | 5746077     | HDS-18/27/40 SERIES CLEVIS PIN, AIR CYLINDER  | 1   | C   |
| 5       | 5746078     | HDS-18/27/40 SERIES SPRING CLEVIS PIN         | 2   | D   |
| 6       | 5746079     | HDS-18/27/40 SERIES SAFETY STOP PIN           | 2   | C   |
| 7       | 5746082     | HDS-18/27/40 PIN 45mm LG, PLASTIC SLIDE BLOCK | 8   | D   |
| 8       | 5735078     | HDS-27/40 SERIES EAR TIE BAR                  | 1   | D   |

#### WHERE USED

HDS-18 SERIES

HDS-27 SERIES

HDS-40 SERIES

#### NOTE: UNLESS OTHERWISE SPECIFIED.

- REFER TO MODEL FOR ADDITIONAL INFORMATION
- BREAK AND DEBURR ALL SHARP EDGES 0.3mm
- REMOVE ALL WELD SPLATTER

| NEXT ASSEMBLY |
|---------------|
| 5601831       |
| 5601832       |
| 5601833       |
| 5601834       |

DO NOT SCALE DRAWING

DIMENSIONS ARE IN MM  
TOLERANCES:  
0. = ±1.5  
0.0 = ±0.5

SURFACE FINISH 1.6 ISO Ra µm  
FOR MACHINED SURFACES  
UNLESS OTHERWISE SPECIFIED

| NAME       | DATE       |
|------------|------------|
| DRAWN GJZ  | 09/18/2008 |
| CHECKED OR | 4/22/2020  |

THIRD ANGLE PROJECTION



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1645 LEMONWOOD DR.  
SANTA PAULA, CA 93060

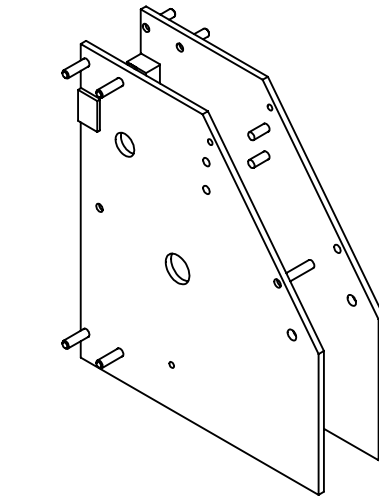
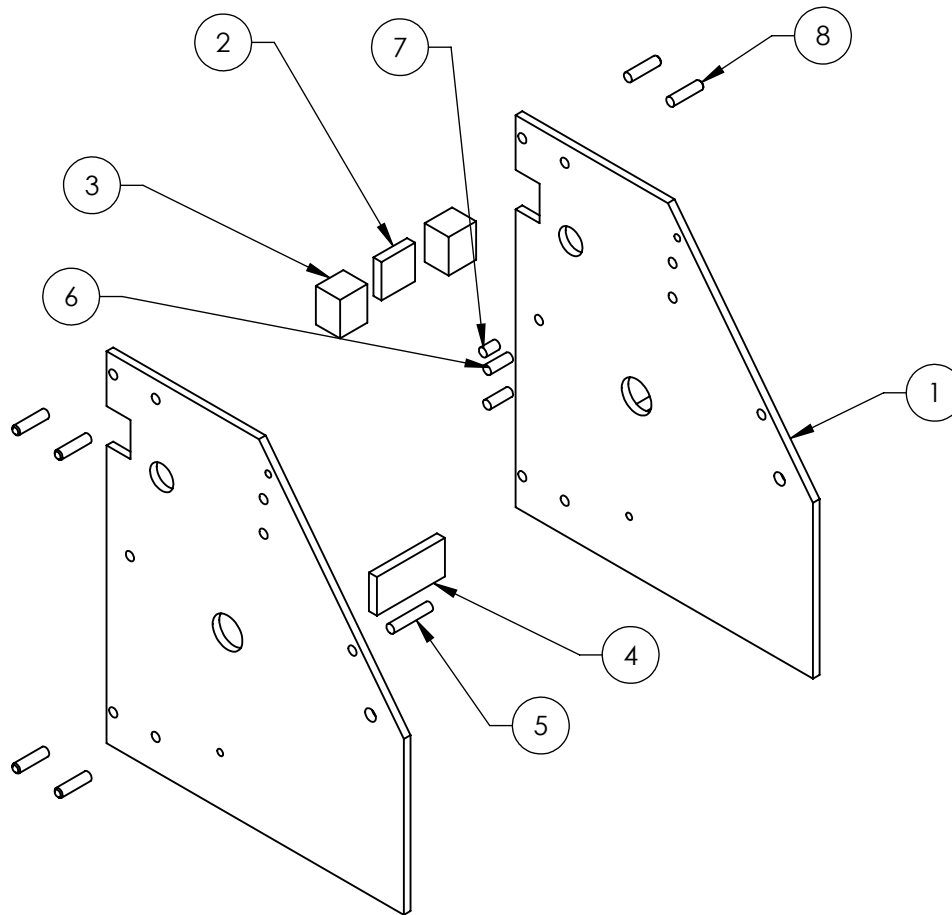
TITLE: HDS-18/27/40  
CROSSTUBE SIDE PLATE  
SUBWELDMENT #1

SIZE DWG. NO. REV  
**A** 5620175 M

SCALE: 1:8

SHEET 1 OF 3

| REVISION |                                                                                 |            |           |       |
|----------|---------------------------------------------------------------------------------|------------|-----------|-------|
| REV      | DESCRIPTION                                                                     | DATE       | EDITED BY | ECO#  |
| K        | UPDATED BOM REVISION                                                            | 12/18/2017 | TM        | 00909 |
| L        | UPDATED TITLE TO REFLECT WHERE USED,<br>UPDATED BOM REVISIONS AND NEXT ASSEMBLY | 05/14/2018 | TS        | 00945 |
| M        | UPDATED BOM REVISION AND NEXT ASSEMBLIES                                        | 10/16/2019 | TS        | 01120 |



**ISOMETRIC VIEW  
FOR REFERENCE ONLY  
DO NOT SCALE**

| WHERE USED    |
|---------------|
| HDS-18 SERIES |
| HDS-27 SERIES |
| HDS-40 SERIES |

**NOTE: UNLESS OTHERWISE SPECIFIED.**

1. REFER TO MODEL FOR ADDITIONAL INFORMATION
2. BREAK AND DEBURR ALL SHARP EDGES 0.3mm
3. REMOVE ALL WELD SPLATTER

| NEXT ASSEMBLY |
|---------------|
| 5601831       |
| 5601832       |
| 5601833       |
| 5601834       |

| ITEM NO | PART NUMBER | DESCRIPTION                                   | QTY | REV |
|---------|-------------|-----------------------------------------------|-----|-----|
| 1       | 5731009     | HDS-27/40 SERIES CROSSTUBE SIDE PLATE #2      | 2   | K   |
| 2       | 5735076     | HDS-27/40 SERIES SAFETY STOP BLOCK SUPPORT    | 1   | C   |
| 3       | 5735077     | HDS-27/40 SERIES EAR BLOCK SUPPORT            | 2   | C   |
| 4       | 5735078     | HDS-27/40 SERIES EAR TIE BAR                  | 1   | D   |
| 5       | 5746077     | HDS-18/27/40 SERIES CLEVIS PIN, AIR CYLINDER  | 1   | C   |
| 6       | 5746078     | HDS-18/27/40 SERIES SPRING CLEVIS PIN         | 2   | D   |
| 7       | 5746079     | HDS-18/27/40 SERIES SAFETY STOP PIN           | 2   | C   |
| 8       | 5746082     | HDS-18/27/40 PIN 45mm LG, PLASTIC SLIDE BLOCK | 8   | D   |

DO NOT SCALE DRAWING

DIMENSIONS ARE IN MM  
TOLERANCES:  
0. = ±1.5  
0.0 = ±0.5

SURFACE FINISH 1.6 ISO R<sub>a</sub> μm  
FOR MACHINED SURFACES  
UNLESS OTHERWISE SPECIFIED

| NAME       | DATE       |
|------------|------------|
| DRAWN GJZ  | 09/18/2008 |
| CHECKED OR | 4/22/2020  |

THIRD ANGLE PROJECTION



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1645 LEMONWOOD DR.  
SANTA PAULA, CA 93060

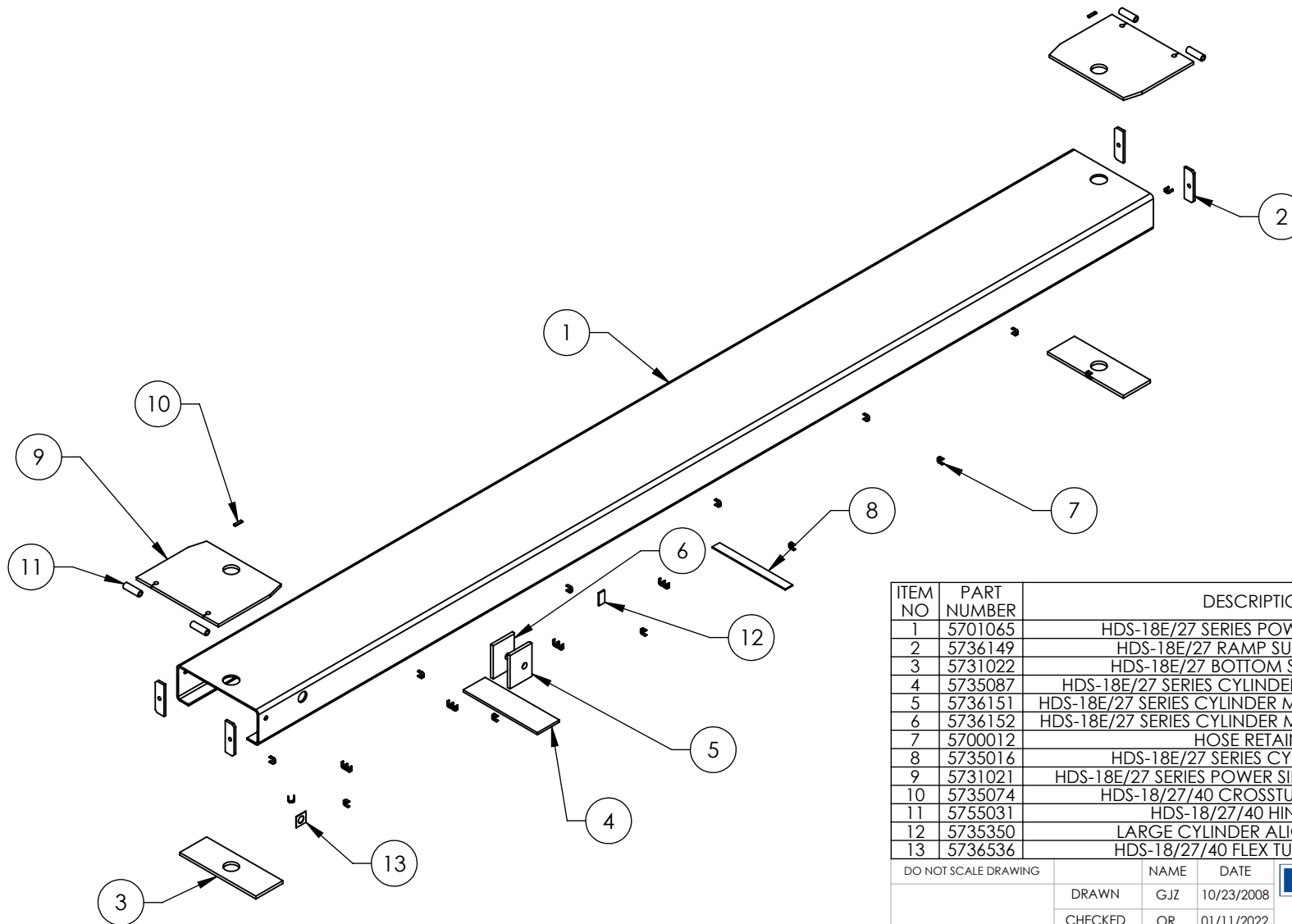
TITLE: HDS-18/27/40  
CROSSTUBE SIDE PLATE  
SUBWELDMENT #2

| SIZE | DWG. NO. | REV |
|------|----------|-----|
| A    | 5620176  | M   |

SCALE: 1:8

SHEET 1 OF 3

| REVISION |                                                               |            |           |       |
|----------|---------------------------------------------------------------|------------|-----------|-------|
| REV      | DESCRIPTION                                                   | DATE       | EDITED BY | ECO#  |
| G        | UPDATED TITLE TO REFLECT WHERE USED,<br>UPDATED BOM REVISIONS | 12/20/2016 | TS        | 00798 |
| H        | UPDATED BOM REVISION AND NEXT ASSEMBLIES                      | 08/21/2018 | CA        | 00945 |
| J        | UPDATED BOM REVISION                                          | 01/10/2022 | TM        | 01378 |



| ITEM NO | PART NUMBER | DESCRIPTION                                    | QTY | REV |
|---------|-------------|------------------------------------------------|-----|-----|
| 1       | 5701065     | HDS-18E/27 SERIES POWER SIDE RAMP              | 1   | E   |
| 2       | 5736149     | HDS-18E/27 RAMP SUPPORT PLATE                  | 4   | B   |
| 3       | 5731022     | HDS-18E/27 BOTTOM SHEAVE PLATE                 | 2   | B   |
| 4       | 5735087     | HDS-18E/27 SERIES CYLINDER MOUNTING PLATE      | 1   | C   |
| 5       | 5736151     | HDS-18E/27 SERIES CYLINDER MOUNTING BLOCK R.H. | 1   | B   |
| 6       | 5736152     | HDS-18E/27 SERIES CYLINDER MOUNTING BLOCK L.H. | 1   | B   |
| 7       | 5700012     | HOSE RETAINER                                  | 22  | B   |
| 8       | 5735016     | HDS-18E/27 SERIES CYLINDER STRAP               | 1   | B   |
| 9       | 5731021     | HDS-18E/27 SERIES POWER SIDE RAMP END PLATE    | 2   | B   |
| 10      | 5735074     | HDS-18/27/40 CROSSTUBE SHAFT STOP              | 2   | D   |
| 11      | 5755031     | HDS-18/27/40 HINGE TUBE                        | 4   | D   |
| 12      | 5735350     | LARGE CYLINDER ALIGNMENT KEY                   | 1   | A   |
| 13      | 5736536     | HDS-18/27/40 FLEX TUBE NUT PLATE               | 1   | B   |

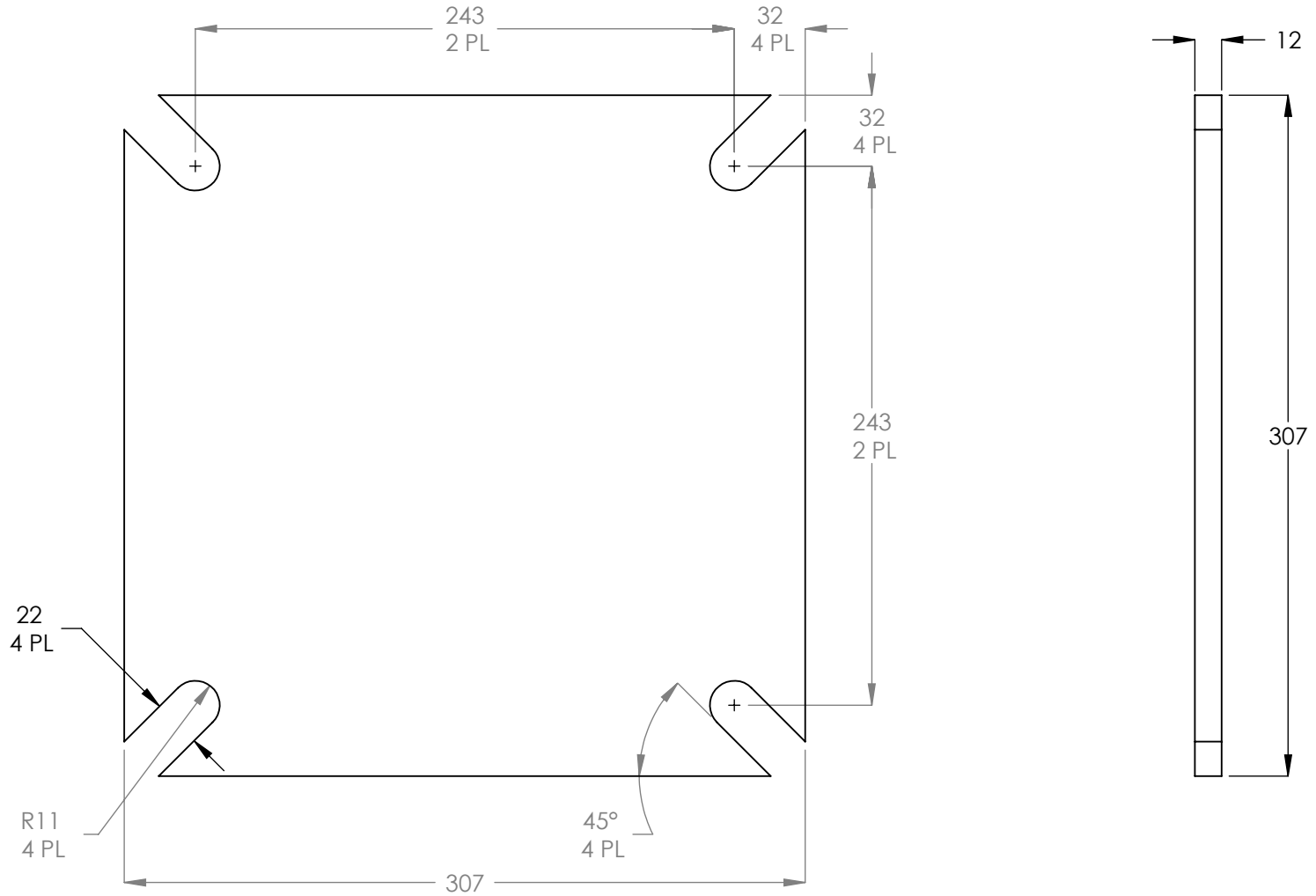
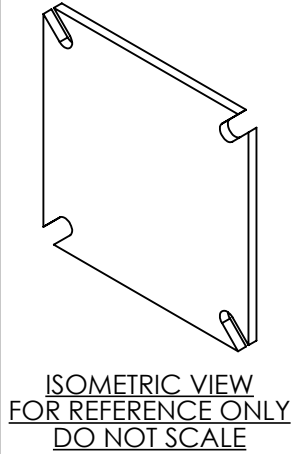
|                                                                                                                                                                                                                                 |  |                                                                                     |              |                                                 |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|-------------------------------------------------------------------------------------|--------------|-------------------------------------------------|
| DO NOT SCALE DRAWING                                                                                                                                                                                                            |  | NAME                                                                                | DATE         | <br>1645 LEMONWOOD DR.<br>SANTA PAULA, CA 93060 |
| DRAWN                                                                                                                                                                                                                           |  | GJZ                                                                                 | 10/23/2008   |                                                 |
| CHECKED                                                                                                                                                                                                                         |  | OR                                                                                  | 01/11/2022   |                                                 |
| THIRD ANGLE PROJECTION                                                                                                                                                                                                          |  |                                                                                     |              | TITLE:                                          |
| DIMENSIONS ARE IN MM<br>TOLERANCES:<br>0. = ±1.5<br>0.0 = ±0.5                                                                                                                                                                  |  | SURFACE FINISH 1.6 ISO Ra μm<br>FOR MACHINED SURFACES<br>UNLESS OTHERWISE SPECIFIED |              | HDS-18E/27/27A POWER<br>SIDE RAMP WELDMENT      |
| PROPRIETARY AND CONFIDENTIAL<br>THE INFORMATION CONTAINED IN THIS DRAWING IS<br>THE SOLE PROPERTY OF BENDPAK INC. ANY<br>REPRODUCTION IN PART OR AS A WHOLE WITHOUT<br>THE WRITTEN PERMISSION OF BENDPAK INC. IS<br>PROHIBITED. |  | SIZE                                                                                | DWG. NO.     | REV                                             |
|                                                                                                                                                                                                                                 |  | A                                                                                   | 5620207      | J                                               |
| SCALE: 1:30                                                                                                                                                                                                                     |  |                                                                                     | SHEET 1 OF 4 |                                                 |

**NOTE: UNLESS OTHERWISE SPECIFIED.**

1. REFER TO MODEL FOR ADDITIONAL INFORMATION
2. BREAK AND DEBURR ALL SHARP EDGES 0.3mm
3. REMOVE ALL WELD SPLATTER

|               |
|---------------|
| NEXT ASSEMBLY |
| 5600857       |
| 5600142       |

| REVISION |                                                                 |            |           |       |
|----------|-----------------------------------------------------------------|------------|-----------|-------|
| REV      | DESCRIPTION                                                     | DATE       | EDITED BY | ECO#  |
| A        | PRODUCTION RELEASE, DERIVED FROM 5730026                        | 02/22/2017 | TM        | 00798 |
| B        | UPDATED TITLE TO REFLECT WHERE USED,<br>UPDATED NEXT ASSEMBLIES | 05/04/2018 | TS        | 00945 |



**NOTE: UNLESS OTHERWISE SPECIFIED.**

- BREAK AND DEBURR ALL SHARP EDGES 0.3mm
- MATERIAL:** HR ASTM A36 OR Q235 GB/T 700
- FLAME CUT PERMISSABLE

| NEXT ASSEMBLY |
|---------------|
| 5600978       |
| 5600980       |
| 5601141       |
| 5601143       |

|                                                                                                                                                                                                                                                     |  |                                           |               |                                                     |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|-------------------------------------------|---------------|-----------------------------------------------------|
| DO NOT SCALE DRAWING                                                                                                                                                                                                                                |  | NAME                                      | DATE          | <p>1645 LEMONWOOD DR.<br/>SANTA PAULA, CA 93060</p> |
| DIMENSIONS ARE IN MM<br>TOLERANCES: MACHINE TO<br>0 = ±1.5<br>0.0 = ±0.5<br>0.00 = ±0.13                                                                                                                                                            |  | DRAWN                                     | TM 02/22/2017 |                                                     |
| ANGULAR: MACHINE TO<br>0 = ±1/2°<br>SURFACE FINISH 1.6 Ra µm<br>FOR MACHINED SURFACES<br>UNLESS OTHERWISE SPECIFIED                                                                                                                                 |  | CHECKED                                   | CA 10/30/2018 |                                                     |
| THIRD ANGLE PROJECTION                                                                                                                                                                                                                              |  |                                           |               | TITLE:                                              |
| <small>PROPRIETARY AND CONFIDENTIAL<br/>THE INFORMATION CONTAINED IN THIS DRAWING IS<br/>THE SOLE PROPERTY OF BENDPAK INC. ANY<br/>REPRODUCTION IN PART OR AS A WHOLE WITHOUT<br/>THE WRITTEN PERMISSION OF BENDPAK INC. IS<br/>PROHIBITED.</small> |  | <p>HDS-18/27/40 SERIES<br/>BASE PLATE</p> |               | SIZE                                                |
|                                                                                                                                                                                                                                                     |  | DWG. NO.                                  |               | REV                                                 |
|                                                                                                                                                                                                                                                     |  | A 5730077                                 |               | B                                                   |
|                                                                                                                                                                                                                                                     |  | SCALE: 1:3                                |               | SHEET 1 OF 1                                        |

## PART SPECIFICATION FORM (STANDARD)

|                         |                              |
|-------------------------|------------------------------|
| <b>BENDPAK Number:</b>  | 5900970                      |
| <b>MRP Description:</b> | INSTALLATION MANUAL HDS-18EA |
| <b>Date:</b>            | 04/11/2022                   |
| <b>ECO :</b>            | ---                          |

### 1. Engineering Specification

#### **Application:**

INSTALLATION MANUAL

#### **Detailed Description:**

#### **Print Settings**

Unless otherwise specified, use these settings for printing BendPak manuals:

|                 |                                                                  |
|-----------------|------------------------------------------------------------------|
| <b>Size:</b>    | A4 (210 to 297 mm), 8.5 by 11 inches (216 to 279 mm), or between |
| <b>Color:</b>   | Black and White                                                  |
| <b>Binding:</b> | Saddle Stitched                                                  |
| <b>Paper:</b>   | 100 to 120 gsm (27 to 32 pound), uncoated                        |



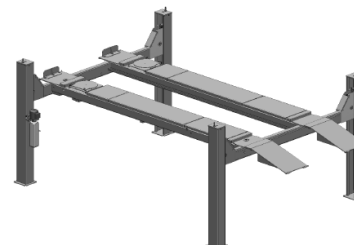
1645 Lemonwood Dr.  
Santa Paula, CA 93060 USA  
Toll Free: (800) 253-2363  
Tel: (805) 933-9970  
bendpak.com

#### **Heavy-Duty, Four-Post Alignment Lift Installation and Operation Manual**

Manual P/N 5900970 — Manual Revision D — April 2022

Model:

- HDS-18EA



Designed and engineered by BendPak Inc. in Southern California, USA. Made in China.



**IMPORTANT SAFETY INSTRUCTIONS, SAVE THESE INSTRUCTIONS!** Read the **entire** contents of this manual **before** using this product. Failure to follow the instructions and safety precautions in this manual can result in serious injury or death. Make sure all other operators also read this manual. Keep the manual near the product for future reference. **By proceeding with installation and operation, you agree that you fully understand the contents of this manual and assume full responsibility for product use.**

### 2. Vendor Information (Or for Reference)

| Approved Vendor                            | Vendor Part # | Contact # | Preferred Vendor |
|--------------------------------------------|---------------|-----------|------------------|
| 1)                                         |               |           |                  |
| OR BENDPAK ENGINEERING APPROVED EQUIVALENT |               |           |                  |



# 4 Post Lifts Product Decal Positioning



**Total of 6**

PN 5905311

**BPK Post Branding Decal-Large.pdf:**

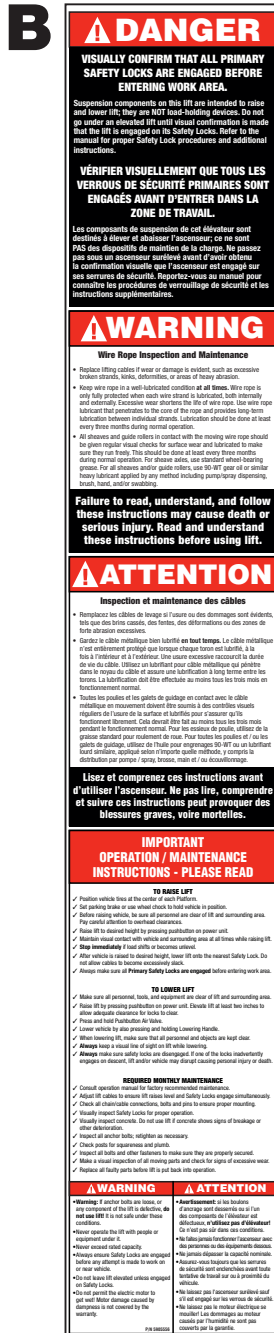
**Size:** 4.25"W x 38"H

**Material:** 4 Mil Clear Adhesive PET

**Finish:** Matte Overlamine (No gloss)

**Print Process:** Silk Screen, 85 line-screen  
(Yellow color in file represents what should be clear PET material and SHOULD NOT print as Yellow ink. White area in file represents Opaque White ink.)

**Lamination:** Clear laminate non-glare medium matte over-laminate (No gloss) for abrasion, chemical and ultra violet protection.



PN 5905556

**4-Post Safety-Operation Decal FRE-ENG.pdf:**

**Size:** 4"W x 24"H

**Material:** 4 Mil. Permanent White Adhesive Vinyl

**Ink:** U.V. protected CMYK 2/C Process

**Finish:** Matte Overlamine (No gloss)

**Print Process:** Offset Lithography - 200 line-screen or 300 p.p.i. for digital

**Lamination:** Clear laminate non-glare medium matte over-laminate (No gloss) for abrasion, chemical and ultra violet protection.



PN 5905103

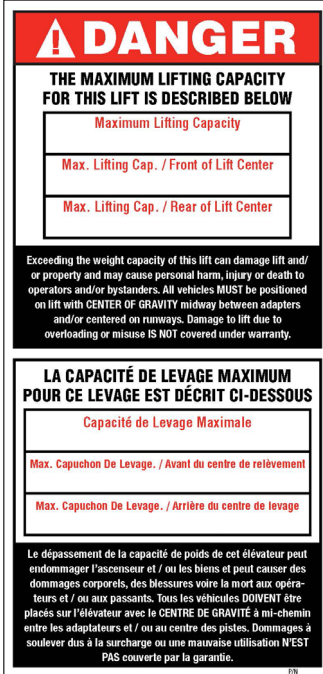
**ALI\_4\_Post\_labels.pdf:**  
(Order Labels from ALI)

**IMPORTANT: Please use materials as instructed**



# 4 Post Lifts Product Decal Positioning

**\*D**



P/N 5905401 - Max Cap. Danger 7k  
 P/N 5905695 - Max. Cap. Danger 7500  
 P/N 5905402 - Max Cap. Danger 9k  
 P/N 5905557 - Max. Cap. Danger 14K  
 P/N 5905406 - Max Cap. Danger 18k  
 P/N 5905407 - Max. Cap. Danger 27K  
 P/N 5905408 - Max. Cap. Danger 35K  
 P/N 5905068 - Max. Cap. Danger 37K  
 P/N 5905409 - Max. Cap. Danger 40K

**\*Max. Cap. Danger ENG-FRE.pdf:**

**Size:** 4"W x 8.5"H

**Material:** 4 Mil. Permanent White Adhesive Vinyl

**Ink:** U.V. protected CMYK 2/C Process

**Finish:** Matte Overlamine (No gloss)

**Print Process:** Offset Lithography - 200 line-screen or 300 p.p.i. for digital

**Lamination:** Clear laminate non-glare medium matte over-lamine (No gloss) for abrasion, chemical and ultra violet protection.

**\*DEPENDS ON LIFT  
 MODEL AND CAPACITY**

**\*E**



**\*NRTL\_Lifting\_Cap\_ENG-FRE\_.pdf:**

**Size:** 4.5"W x 3.25"H

**Material:** 4 Mil. Permanent White Adhesive Vinyl

**Ink:** U.V. protected CMYK 2/C Process

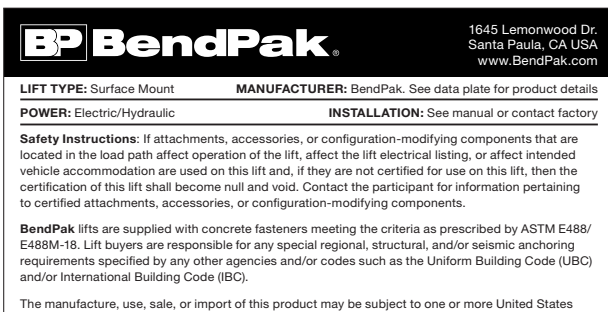
**Finish:** Matte Overlamine (No gloss)

**Print Process:** Offset Lithography - 200 line-screen or 300 p.p.i. for digital

**Lamination:** Clear laminate non-glare medium matte over-lamine (No gloss) for abrasion, chemical and ultra violet protection.

P/N 5905645 - NRTL\_Lifting\_Cap\_Label\_7K  
 P/N 5905700 - NRTL\_Lifting\_Cap\_Label\_7500  
 P/N 5905650 - NRTL\_Lifting\_Cap\_Label\_9k  
 P/N 5905665 - NRTL\_Lifting\_Cap\_Label\_14k  
 P/N 5905675 - NRTL\_Lifting\_Cap\_Label\_18k  
 P/N 5905680 - NRTL\_Lifting\_Cap\_Label\_27k  
 P/N 5905685 - NRTL\_Lifting\_Cap\_Label\_35K  
 P/N 5905067 - NRTL\_Lifting\_Cap\_Label\_37K  
 P/N 5905690 - NRTL\_Lifting\_Cap\_Label\_40K

**F**



**Product\_Data\_Label\_5905940-New.pdf:** PN 5905940

**Size:** 4.5"W x 2.3"H

**Material:** 4 Mil. Permanent White Adhesive Vinyl

**Ink:** U.V. protected CMYK 2/C Process

**Finish:** Matte Overlamine (No gloss)

**Print Process:** Offset Lithography - 200 line-screen or 300 p.p.i. for digital

**Lamination:** Clear laminate non-glare medium matte over-lamine (No gloss) for abrasion, chemical and ultra violet protection.

**G**



**ALI\_Notice\_Label.jpg**

PN 5905377

**Size:** 3"W x 1.75"H

**(Order Label from ALI)**

**IMPORTANT: Please use materials as instructed**

# 4 Post Lifts Product Decal Positioning

H



Slipper\_When\_Wet\_Label-5905138.pdf: PN 5905138

Size: 4.5"W x 2.5"H

Material: 4 Mil. Permanent White Adhesive Vinyl

Ink: U.V. protected CMYK 2/C Process

Finish: Matte Overlamine (No gloss)

Print Process: Offset Lithography - 200 line-screen or

300 p.p.i. for digital

Lamination: Clear laminate non-glare medium matte over-laminate (No gloss) for abrasion, chemical and ultra violet protection.

I



ALI Gold Label - MET C-US PN 5905654

**\*\*FOR ALI APPROVED LIFTS ONLY**

J

|                                                                                                                                                                                                                  |  |                                        |  |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|----------------------------------------|--|
| <b>BP BendPak</b>                                                                                                                                                                                                |  | Santa Paula, CA USA<br>www.bendpak.com |  |
| MODEL NUMBER                                                                                                                                                                                                     |  |                                        |  |
| DESCRIPTION                                                                                                                                                                                                      |  |                                        |  |
| LIFT CAPACITY                                                                                                                                                                                                    |  | DATE CODE                              |  |
| ROLLING JACK MAX CAP.                                                                                                                                                                                            |  | MAX PSI / BAR                          |  |
| VOLTAGE                                                                                                                                                                                                          |  | SERIAL NUMBER                          |  |
| <input type="checkbox"/> 110-240V, 50-60 Hz, 1 Ph<br><input type="checkbox"/> 208-240V, 50-60 Hz, 1 Ph<br><input type="checkbox"/> 380-415V, 50-60 Hz, 3 Ph<br><input type="checkbox"/> 208-440V, 50-60 Hz, 3 Ph |  | UPC                                    |  |
| <b>DANGER!</b> Disconnect Power Before Servicing<br><b>WARRANTY VOID IF DATA PLATE IS REMOVED</b> PN 5905953                                                                                                     |  |                                        |  |

PN 5905953

2017\_Serial\_Tag-D.jpg:

Size: 3"W x 3"H

Material: 2 Mil. Matte Silver Polyester (Flex-PSE)

Print using thermal transfer printer with resin ribbon

Ink: 1 Color-Black

**CE APPROVED LIFTS ONLY**

K

|                                                                                                                                                                                                                  |  |                                        |  |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|----------------------------------------|--|
| <b>BP BendPak</b>                                                                                                                                                                                                |  | Santa Paula, CA USA<br>www.bendpak.com |  |
| MODEL NUMBER                                                                                                                                                                                                     |  |                                        |  |
| DESCRIPTION                                                                                                                                                                                                      |  |                                        |  |
| LIFT CAPACITY                                                                                                                                                                                                    |  | DATE CODE                              |  |
| ROLLING JACK MAX CAP.                                                                                                                                                                                            |  | MAX PSI / BAR                          |  |
| VOLTAGE                                                                                                                                                                                                          |  | SERIAL NUMBER                          |  |
| <input type="checkbox"/> 110-240V, 50-60 Hz, 1 Ph<br><input type="checkbox"/> 208-240V, 50-60 Hz, 1 Ph<br><input type="checkbox"/> 380-415V, 50-60 Hz, 3 Ph<br><input type="checkbox"/> 208-440V, 50-60 Hz, 3 Ph |  | UPC                                    |  |
| <b>DANGER!</b> Disconnect Power Before Servicing<br><b>WARRANTY VOID IF DATA PLATE IS REMOVED</b> PN 5905952                                                                                                     |  |                                        |  |

PN 5905952

2017\_Serial\_Tag-C.jpg:

Size: 3"W x 3"H

Material: 2 Mil. Matte Silver Polyester (Flex-PSE)

Print using thermal transfer printer with resin ribbon

Ink: 1 Color-Black

**NON-CE APPROVED LIFTS ONLY**

**IMPORTANT: Please use materials as instructed**

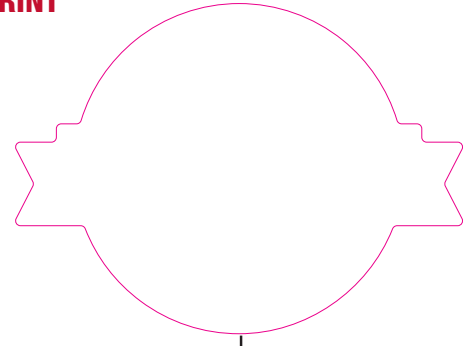
# 4 Post Lifts Product Decal Positioning

L



GRAY DOES NOT PRINT

PN 5906044



DIE-CUT LINE  
DOES NOT PRINT

**American\_Owned\_50\_Years\_Logo.pdf:**

Trim: 4"W x 3"H

**Material:** 4 Mil. Permanent White Adhesive Vinyl

**Ink:** U.V. protected CMYK 4/C Process

**Finish:** Matte Overlamine (No Gloss)

**Print Process:** Offset Lithography - 200 line-screen or 300 p.p.i. for digital

**Lamination:** Clear Laminate non-glare medium matte over laminate for abrasion, chemical, and ultra violet protection

M

## CALIFORNIA PROPOSITION 65



**WARNING**

**WARNING!** This product can expose you to chemicals including styrene and vinyl chloride which are on the list of over 900 chemicals identified by the State of California to cause cancer, birth defects or reproductive harm. ALWAYS use this product in accordance with the manufacturer's instructions.

For more information, go to  
[www.p65warnings.ca.gov](http://www.p65warnings.ca.gov).

PN 5905775

**Prop\_65\_Label.pdf:**

Size: 1.5"W x 1.5"H

**Material:** 4 Mil. Permanent White Adhesive Vinyl

**Ink:** U.V. protected CMYK 2/C Process

**Finish:** Matte Overlamine (No gloss)

**Print Process:** Offset Lithography - 200 line-screen or 300 p.p.i. for digital

**Lamination:** Clear laminate non-glare medium matte over-lamine (No gloss) for abrasion, chemical and ultra violet protection.

PN 5905775

**IMPORTANT: Please use materials as instructed**

# 4 Post Lifts Product Decal Positioning

**SEE NEXT PAGE  
FOR LABEL  
PLACEMENT HEIGHT**

**\*\*FOR ALL APPROVED  
LIFTS ONLY**

**M, E, C**

**Back of Post  
(Top to Bottom)**

**G, D, I,  
J or K, F**

**Front of Post  
(Top to Bottom)**

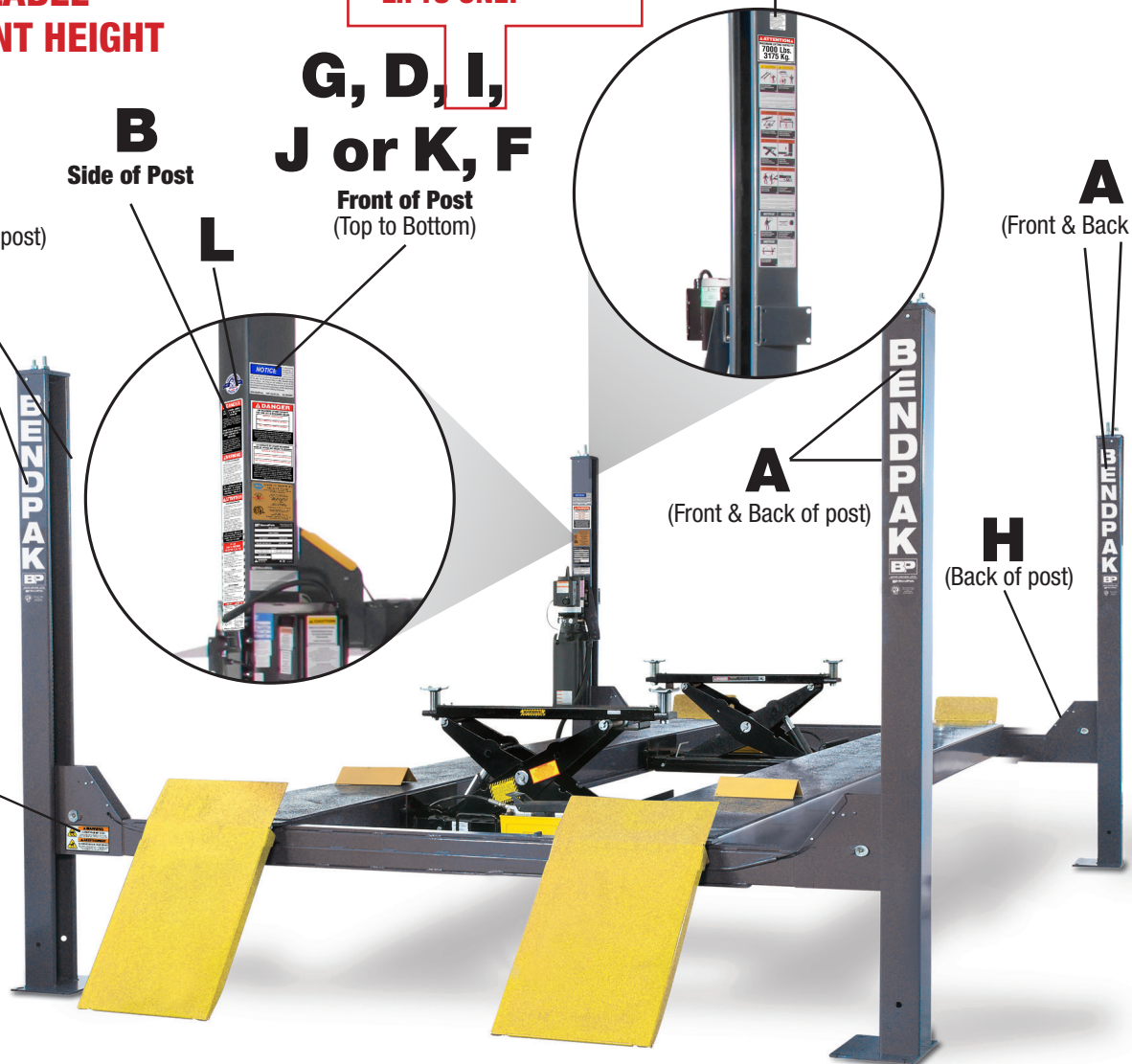
**B**  
**Side of Post**

**A**  
**(Front & Back of post)**

**A**  
**(Front & Back of post)**

**H**  
**(Back of post)**

**H**  
**(Also on other side of lift)**



# 4 Post Lifts Product Decal Positioning

## Views of Powerside Post

**BACK OF POST**

**SIDE OF POST**

**FRONT OF POST**

