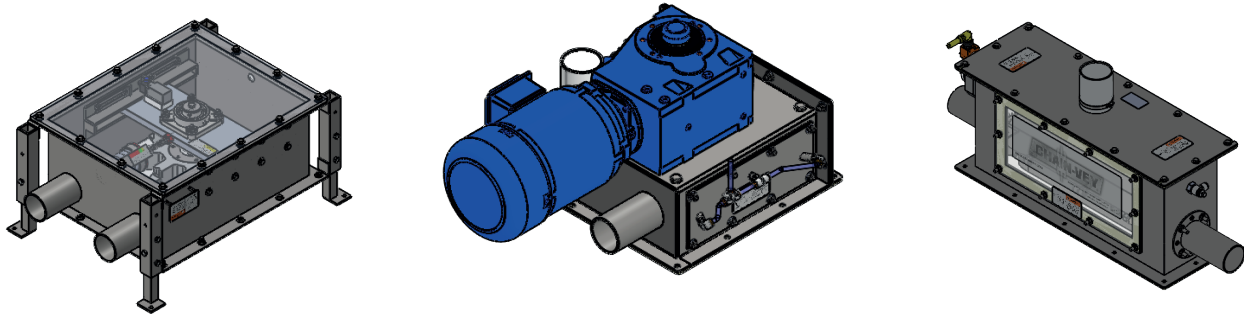
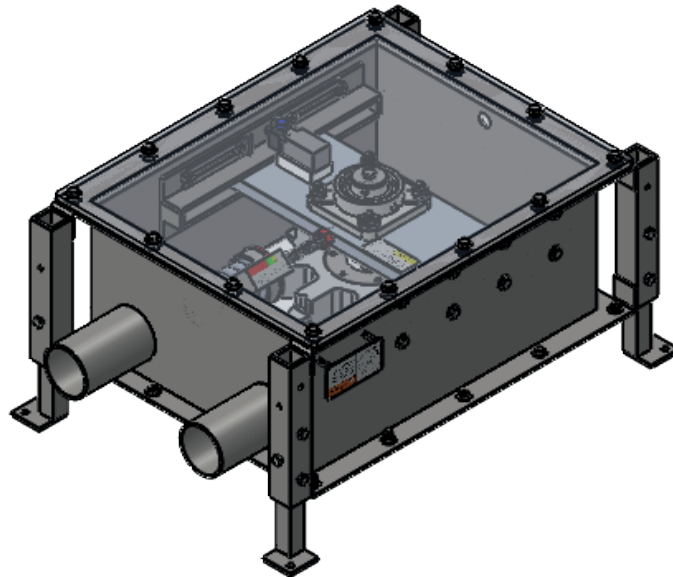




## 3" STANDARD PARTS CATALOG

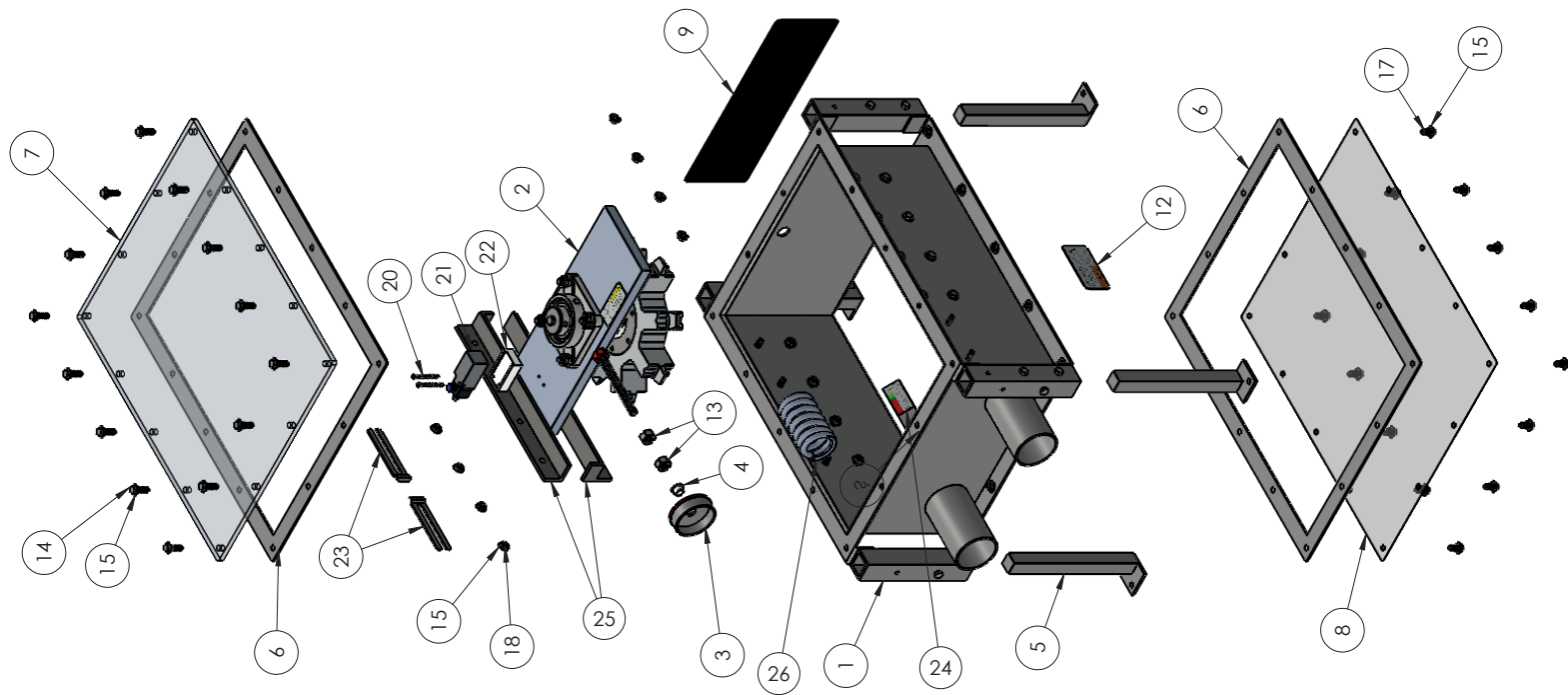




## TURNAROUND UNIT



| ITEM NO. | PART NUMBER  | DESCRIPTION                     | Default/QTY. | ITEM NO. | PART NUMBER | DESCRIPTION                  | Default/QTY. |
|----------|--------------|---------------------------------|--------------|----------|-------------|------------------------------|--------------|
| 1        | 3CV3-10548   | 3" Turnaround Housing Assy      | 1            | 14       | HAR-1003    | HAR-1003                     | 15           |
| 2        | 5CV3-10550   | 3" CV Tension Slide-Plate Ass'y | 1            | 15       | HAR-1004    | 92141A030                    | 88           |
| 3        | 3CV3-10528   | Spring Retainer                 | 1            | 16       | HAR-1005    | 5/16"-18 Hex Nut             | 28           |
| 4        | MEC-1004     | IGUS 1/2" Sleeve Bearing        | 1            | 17       | HAR-1010    | 92240A581                    | 30           |
| 5        | 3CV3-10546   | SUPPORT LEG                     | 4            | 18       | HAR-1017    | 5/16-18 Nylon Lock-Nut 1/4"H | 16           |
| 6        | 3CV3-11093   | 3" Turnaround Lid Gasket        | 2            | 19       | HAR-1462    | 92240A576                    | 12           |
| 7        | 3CV3-10547   | 3" Turnaround Lexan Lid         | 1            | 20       | HAR-1013    | 91773A205                    | 2            |
| 8        | 3CV3-10547-1 | 3" Turnaround SS Lid            | 1            | 21       | HAR-1697    | Manual Reset Limit Switch    | 1            |
| 9        | 3CV0-10921   | Black 5x15 CV Label             | 1            | 22       | 3CV0-09347  | PS21K Mounting Block         | 1            |
| 10       | 3CV0-10922   | 5X15 Transparent CV Label       | 1            | 23       | 3CV3-10218  | Limit Switch Trip Arm        | 2            |
| 11       | 3CV0-08284   | Black 4x7 CV Label              | 2            | 24       | 3CV0-10350  | 8" Spring Tension Scale      | 1            |
| 12       | 3CV0-08283   | Sprocket Warning Label          | 2            | 25       | 3CV3-12327  | Guide Tension Plate          | 4            |
| 13       | HAR-1065     | 1/2-10 ACME Hex Nut             | 2            | 26       | MEC-1002    | MEC-1002                     | 1            |



|          |          |     |      |
|----------|----------|-----|------|
| REVISION | DATE     | BY  | CHKD |
| 1        | 6/5/2015 | EW  | EW   |
| 2        | 6/5/2015 | EW  | EW   |
| 3        | 6/5/2015 | QMS | QMS  |
| 4        | 6/5/2015 | QMS | QMS  |

**CHAIN-VEY**

3" TURNAROUND ASS'Y

**MP**

MODERN PROCESS EQUIPMENT CO.  
8100 S. KOLIN AVE.  
CHICAGO, ILLINOIS 60629  
PH: 773-694-3300  
FAX: 773-694-3300

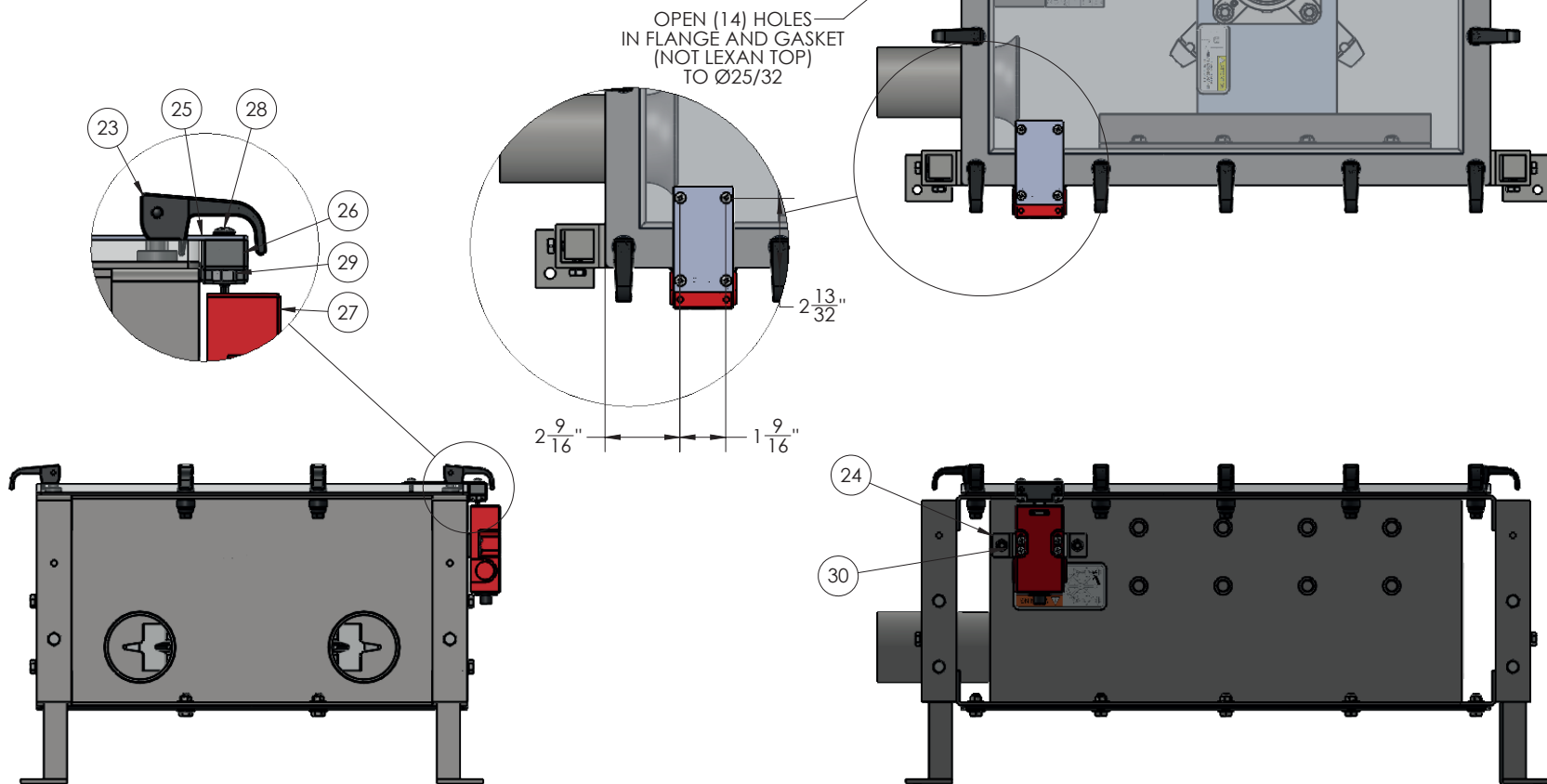
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SHT. 1 OF 5

DRAWING NUMBER

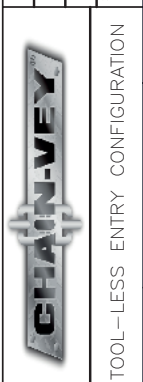
5CV3-10528

| ITEM NO. | PART NUMBER | DESCRIPTION              | Tool-Less Entry/QTY. |
|----------|-------------|--------------------------|----------------------|
| 23       | HAR-1648    | Swell Latch              | 14                   |
| 24       | 3CV0-08484  | TROJAN Mounting Brace    | 1                    |
| 25       | 3CV0-08485  | TROJAN Key Mount Pad     | 1                    |
| 26       | HAR-1061    | Trojan FLEXIBLE ACTUATOR | 1                    |
| 27       | HAR-1060    | TROJAN 5 Safety Switch   | 1                    |
| 28       | HAR-1058    | 91772A246                | 8                    |
| 29       | HAR-1059    | 91831A011                | 8                    |
| 30       | HAR-1742    | 91831A029                | 2                    |



|             |          |
|-------------|----------|
| DESIGNED BY | DATE     |
| SC          | 6/5/2015 |
| DRAWN BY    | DATE     |
| SC          | 6/5/2015 |
| APPROVED BY | DATE     |
| CMS         | 6/5/2015 |
| WSP FILE #  |          |

|             |          |
|-------------|----------|
| DESIGNED BY | DATE     |
| SC          | 6/5/2015 |
| DRAWN BY    | DATE     |
| SC          | 6/5/2015 |
| APPROVED BY | DATE     |
| CMS         | 6/5/2015 |
| WSP FILE #  |          |



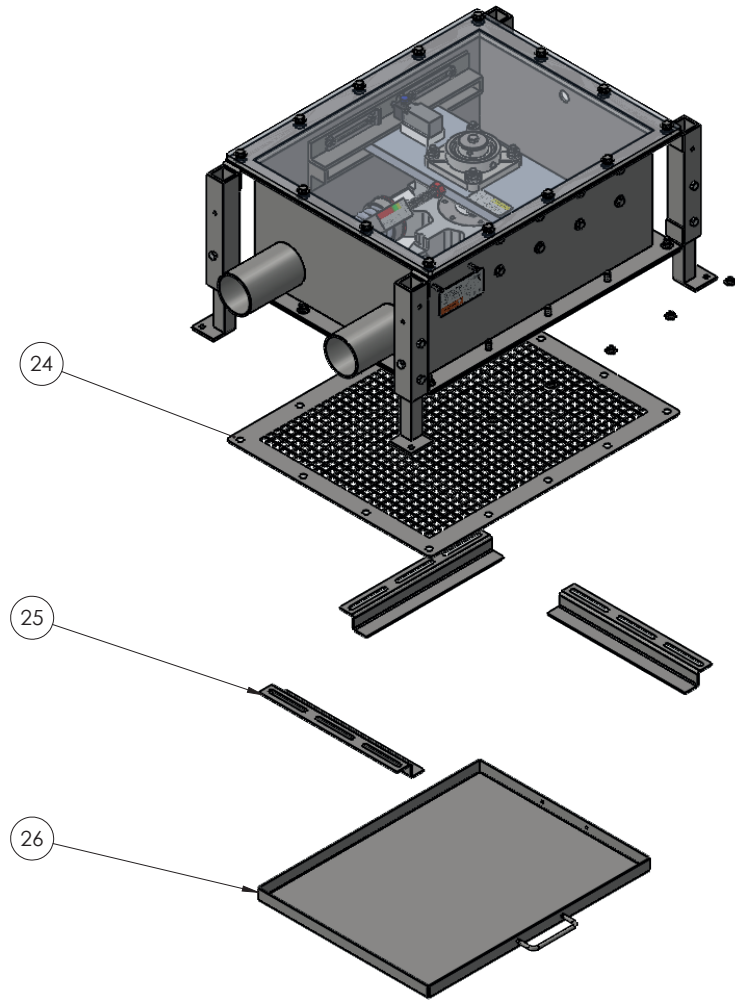
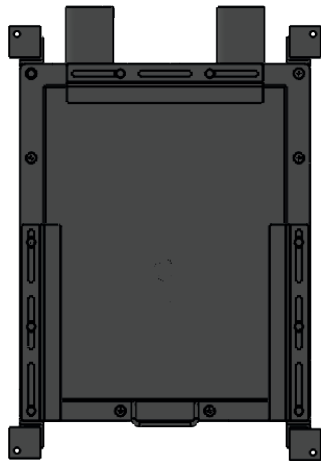
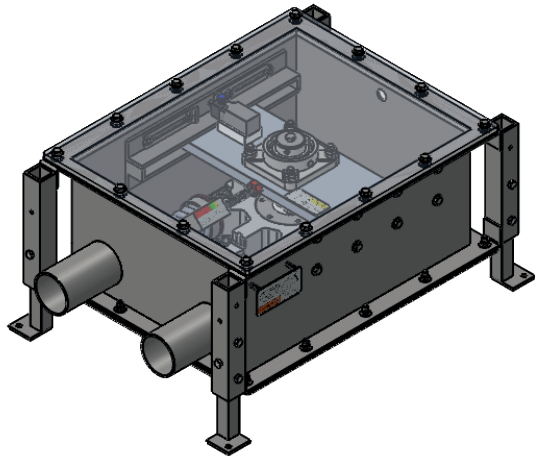
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EQUIPMENT CO.  
3150 S. KOLIN AVE.  
CHICAGO, ILLINOIS 60625  
PH: 773-254-3950  
FAX: 773-254-3950

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SHT 2 OF 3  
DRAWING NUMBER  
5CV3-  
10526

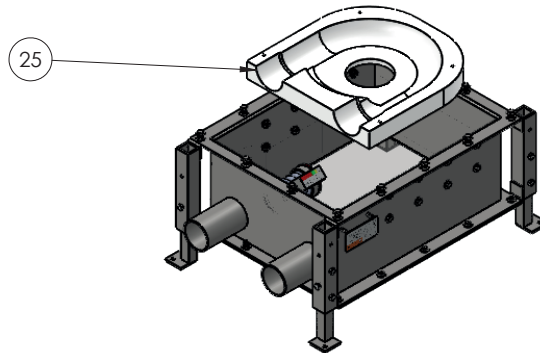
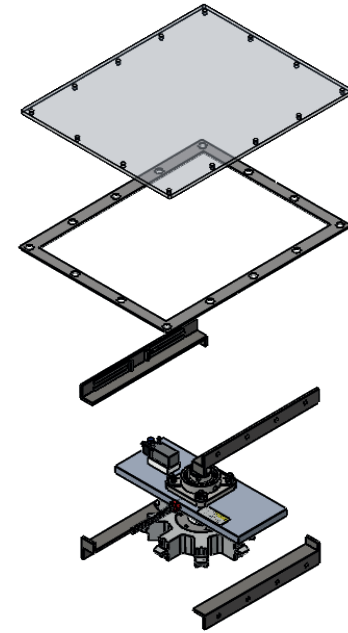
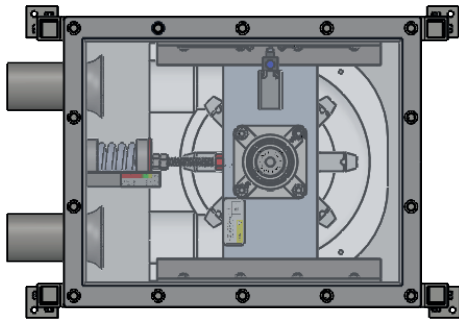
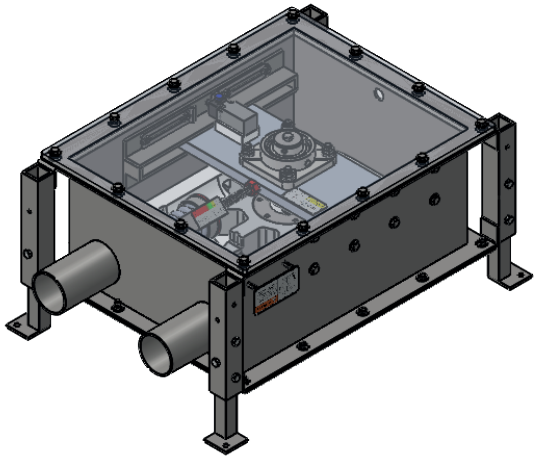


| ITEM NO. | PART NUMBER | DESCRIPTION                        | Tray Side/QTY. |
|----------|-------------|------------------------------------|----------------|
| 24       | 3CV3-10717  | 3" Turnaround Bottom Mesh          | 1              |
| 25       | 3CV3-10711  | 3" Chain-Vey Turnaround Tray Guide | 3              |
| 26       | 5CV3-10720  | 3" Bottom Tray Assm'y              | 1              |



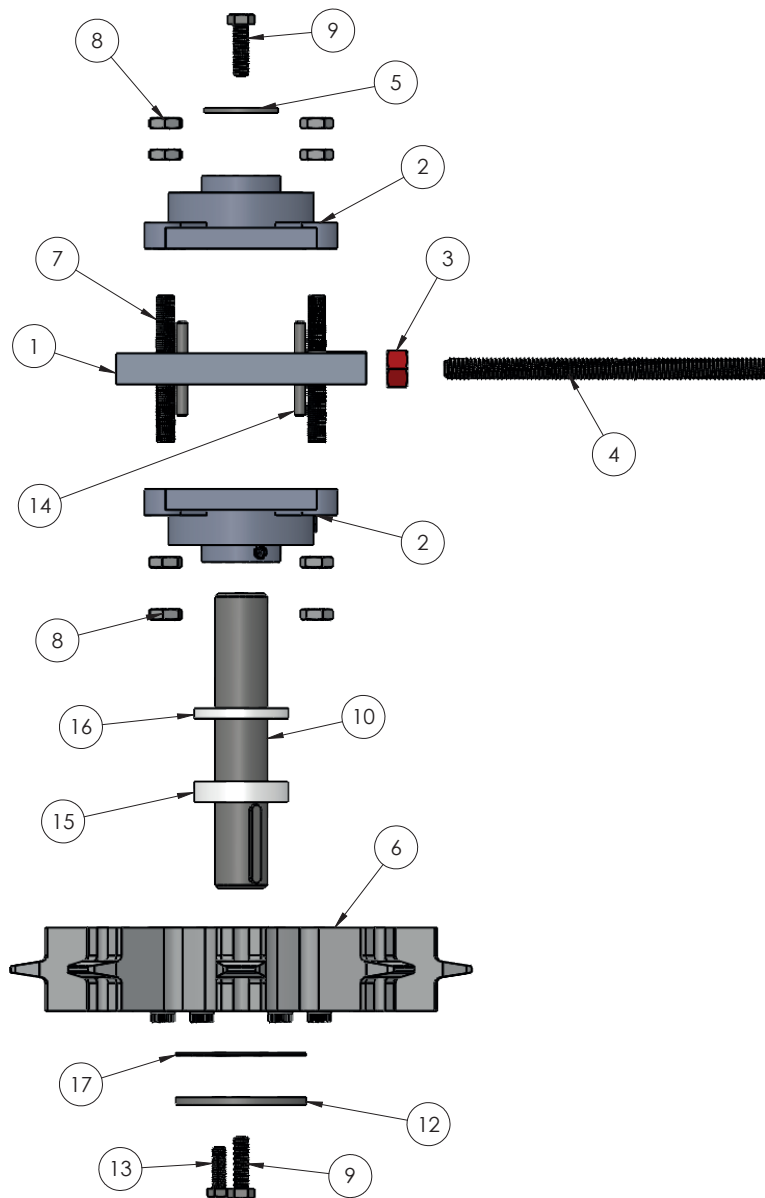
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| DESIGNED BY<br>WES                                                                                                                                                                                                                                                          | DATE<br>6/5/2015 | DESIGNED BY<br>WES | DATE<br>6/5/2015 | DESIGNED BY<br>BW | DATE<br>6/5/2015 |
|                                                                                                                                                                                         |                  |                    |                  |                   |                  |
| <b>SIDE TRAY INSTALL</b><br><b>3" CHAIN-VEY SYSTEM</b>                                                                                                                                                                                                                      |                  |                    |                  |                   |                  |
|                                                                                                                                                                                        |                  |                    |                  |                   |                  |
| <small>MODERN PROCESS EQUIPMENT CO.<br/>         3150 S. KOLIN AVE.<br/>         CHICAGO, ILLINOIS 60623<br/>         PH: 773-254-3989<br/>         FAX: 773-254-3995<br/>         WWW.MPECHICAGO.COM</small>                                                               |                  |                    |                  |                   |                  |
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| <small>DRAWING NUMBER</small><br><b>5CV3-10526</b>                                                                                                                                                                                                                          |                  |                    |                  |                   |                  |

| ITEM NO. | PART NUMBER | DESCRIPTION           | U-Track/QTY. |
|----------|-------------|-----------------------|--------------|
| 25       | 3CV3-12027  | U-TRACK 3IN CHAIN-VEY | 1            |
| 27       | MEC-1002    | MEC-1002              | 1            |

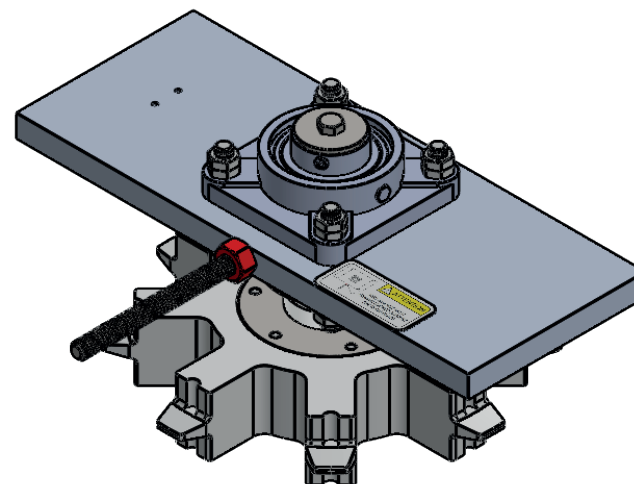


|                                                                                                                                                                                              |                  |                    |                  |                   |                  |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------|--------------------|------------------|-------------------|------------------|
| DESIGNED BY<br>WES                                                                                                                                                                           | DATE<br>6/5/2015 | DESIGNED BY<br>WES | DATE<br>6/5/2015 | DESIGNED BY<br>BW | DATE<br>6/5/2015 |
|                                                                                                          |                  |                    |                  |                   |                  |
|                                                                                                         |                  |                    |                  |                   |                  |
| <b>U-TRACK<br/>3" CHAIN-VEY SYSTEM</b>                                                                                                                                                       |                  |                    |                  |                   |                  |
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| <small>SHT 5 OF 5</small>                                                                                                                                                                    |                  |                    |                  |                   |                  |
| <small>DRAWING NUMBER</small>                                                                                                                                                                |                  |                    |                  |                   |                  |

5CV3-10526



| ITEM NO. | QTY. | PART NO.     | DESCRIPTION                        |
|----------|------|--------------|------------------------------------|
| 1        | 1    | 3CV3-10530   | 3inCV Aluminum Slide-Plate         |
| 2        | 2    | MEC-1556     | 1.25" Dia FLANGE BEARING           |
| 3        | 1    | HAR-1065     | 1/2-10 ACME Hex Nut                |
| 4        | 1    | 3CV3-10529-1 | 1/2-10 ACME SS Threaded Rod        |
| 5        | 1    | 3CV3-10549   | 3inCV SHAFT SPROCKET CAP           |
| 6        | 1    | 5CV3-10517   | 3" CV Nylon Sprocket Assy          |
| 7        | 4    | Threaded Rod | 7/16"-14 x 3-1/2"                  |
| 8        | 16   | HAR-1014     | 7/16"-14 X 1/4" Hex Nut            |
| 9        | 2    | HAR-1015     | 3/8-16 X 1-1/4" Cap Screw w/ Nylok |
| 10       | 1    | 3CV3-10527   | SPROCKET SHAFT                     |
| 11       | 1    | 3CV0-10197   | Tension Plate Jam Nut Label        |
| 12       | 1    | 3CV0-09872   | CHAIN-VEY SPROCKET COVER           |
| 13       | 1    | HAR-1371     | 5/16"-18 x 1 Cap Screw w nyloc     |
| 14       | 2    | HAR-1702     | 1/4" dia x 2.25" SS Spring Pin     |
| 15       | 1    | 3CV3-10217-1 | 1.25 ID, 2.5 OD, UHMW bushing      |
| 16       | 1    | 3CV3-10217-2 | 1.25 ID, 2.5 OD, UHMW bushing      |
| 17       | 2    | 3CV3-10216   | 3in CV Shaft Spacer                |



|             |      |          |
|-------------|------|----------|
| DESIGNED BY | DATE | 6/1/2015 |
| DRAWN BY    | DATE | 6/1/2015 |
| APPROVED BY | DATE | 6/1/2015 |
| CHECKED BY  | DATE | 6/1/2015 |
| WEEK FILE # |      |          |

**CHAIN-VEY**

**3" SLIDE-PLATE & SPROCKET ASSY**

**MPE**

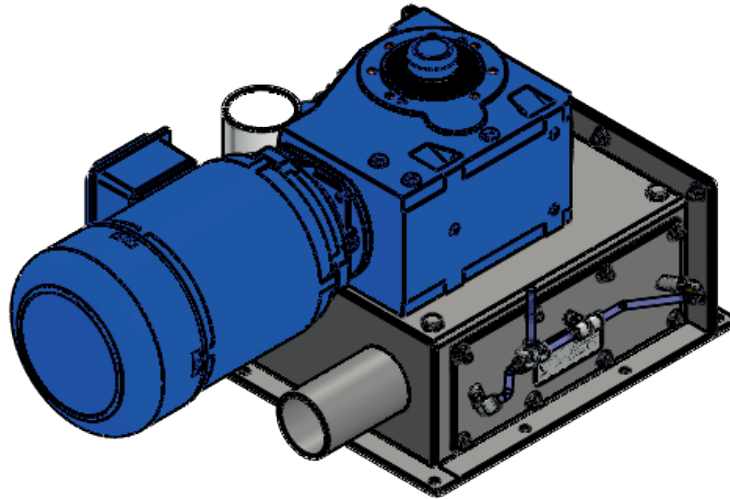
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SHT 1 OF 1

DRAWING NUMBER

5CV3-10550

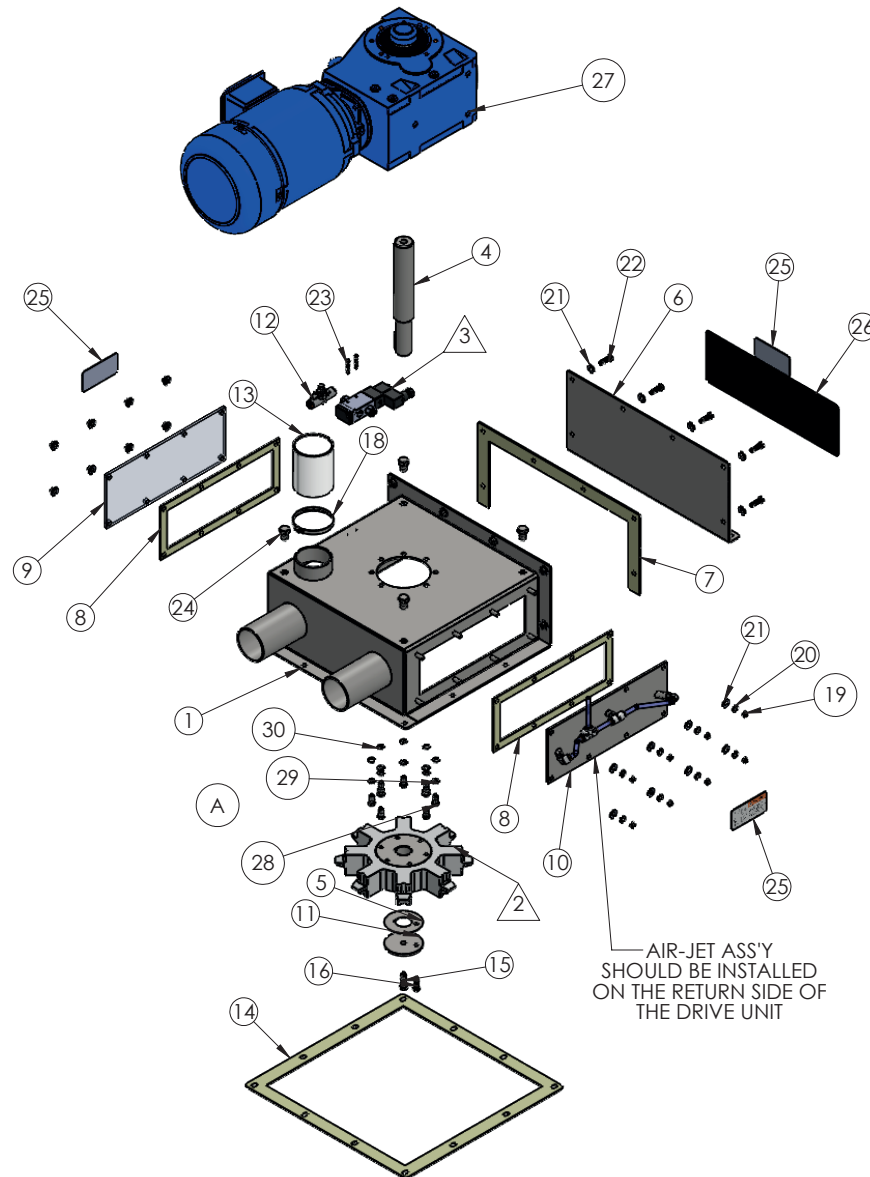


## DRIVE UNIT



| ITEM NO. | QTY. | PART NO.   | DESCRIPTION                         |
|----------|------|------------|-------------------------------------|
| 1        | 1    | 3CV3-10561 | 3in CV Drive Housing Assy           |
| 2        | 1    | 5CV3-10517 | 3" CV Nylon Sprocket Assy           |
| 3        | 1    | PNE-1266   | 5 port 2 position Solenoid (24VDC)  |
| 4        | 1    | 3CV3-10521 | SPROCKET SHAFT                      |
| 5        | 2    | 3CV3-10216 | 3in CV Shaft Spacer                 |
| 6        | 1    | 3CV3-10552 | DRIVE UNIT REAR COVER               |
| 7        | 1    | 3CV3-10553 | Drive Unit Rear Gasket              |
| 11       | 1    | 3CV0-09872 | CHAIN-VEY SPROCKET COVER            |
| 12       | 1    | PNE-1025   | 3/8 Tube, In-Line Speed Controller  |
| 13       | 1    | HAR-1036   | 3" ID 4" Long Vent Sock             |
| 14       | 1    | 3CV3-11092 | 3in Drive Bottom Gasket             |
| 15       | 1    | HAR-1015   | 3/8-16 X 1-1/4" Cap Screw w/ Nylok  |
| 16       | 1    | HAR-1371   | 5/16"-18 x 1 Cap Screw w nyloc      |
| 17       | 6    | HAR-1049   | M12 x 1.75 X 35mm Cap Screw         |
| 18       | 1    | HAR-1685   | 3" SS Worm-Drive Hose Clamp         |
| 19       | 22   | HAR-1005   | 5/16"-18 Hex Nut                    |
| 20       | 22   | HAR-1032   | 5/16" Split Lock Washer             |
| 21       | 28   | HAR-1004   | 5/16" WASHER 3/4" O.D.              |
| 8        | 2    | 3CV3-11091 | SIDE WINDOW GASKET                  |
| 9        | 1    | 3CV3-10867 | 3" Drive Side Window                |
| 10       | 1    | 5CV3-10560 | 3in Drive Unit Side Air Nozzle Assy |
| 22       | 6    | HAR-1048   | 5/16"-18 x 1 Cap Screw              |
| 23       | 2    | HAR-1051   | #8-32 x 1-1/4" 18-8 Machine Screw   |
| 24       | 4    | HAR-1035   | 1/2"-13 x 3/4" CAP SCREW            |
| 25       | 3    | 3CV0-08283 | Sprocket Warning Label              |
| 26       | 1    | 3CV0-10921 | Black 5x15 CV Label                 |
| 27       | 1    | MOT-1341   |                                     |
| 28       | 7    | HAR-1984   | SCREW M8X1.25MM, 20MM LONG SS       |
| 29       | 7    | HAR-1982   | FLAT WASHER M8 SCREW 18-8 SS        |
| 30       | 7    | HAR-2004   | SPLIT WASHER M8 18-8 SS             |

3 24 VDC = PNE-1266  
 110 VAC = PNE-1348  
 FOR AIR FITTING, MUFFLER, & PLUG CONFIGURATION  
 SEE DRAWING 4CV-8377



AIR-JET ASS'Y  
 SHOULD BE INSTALLED  
 ON THE RETURN SIDE OF  
 THE DRIVE UNIT

CHAIN-VEY  
 3" 180° DRIVE UNIT ASSY

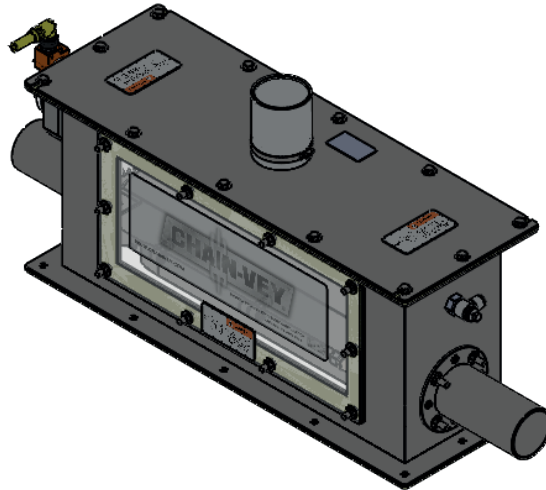
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SHT. 1 OF 2

DRAWING NUMBER

5CV3-10521



## DISCHARGE UNIT



