**TOLERANCE NOTES**

**TOLERANCES ON DIMENSIONS, UNLESS OTHERWISE NOTED ARE:**
- SAWED, SHEARED AND GAS CUT EDGES (± 0.030")
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- LASER CUT EDGES AND HOLES (± 0.010") - NO CONING OF HOLES
- BENDS ARE ± 1/2 DEGREE
- ALL OTHER MACHINING (± 0.030")
- ALL OTHER ASSEMBLY (± 0.060")

**PARTS LIST**

<table>
<thead>
<tr>
<th>ITEM</th>
<th>QTY</th>
<th>PART NO.</th>
<th>PART DESCRIPTION</th>
<th>LENGTH</th>
<th>UNIT WT.</th>
<th>NET WT.</th>
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<td>X-VFAW</td>
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<td>71.41</td>
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<td>X-HDCAMTW</td>
<td>CLAMP WELDMENT FOR BCAM-HD</td>
<td>33.86</td>
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<td>X-MTHPD</td>
<td>MULTI-HOLE TAPER PLATE WELDMENT</td>
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<td>4</td>
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<td>VFA-HD PIVOT PLATE</td>
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<td>X-SPTB</td>
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<td>X-HDCAMSP</td>
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<td>MCP</td>
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<td>P30126</td>
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<tr>
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<td>X-UB5300</td>
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<td>8</td>
<td>X-UB5258</td>
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<td>G5807</td>
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<td>G5806</td>
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<td>X-UB1500</td>
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<td>0.07</td>
<td>4.58</td>
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</table>

**TOTAL WT. #** 713.44

**REVISION HISTORY**

- REV D UPDATED BCAM VERSION 1 TO BCAM VERSION 2
- REV C UPDATED PIN LEG CONNECTION TO BCAM CONNECTION
- REV A CHANGED TIE-BACK BACK CONNECTION

**DESCRIPTION**

10" 6" HEAVY DUTY V-FRAME ASSEMBLY WITH TWO STIRR ASMS

**DESIGNER**

Engineering Support Team: 1-888-753-7446

**LOCATIONS**

New York, NY
Atlanta, GA
Los Angeles, CA
Plymouth, IN
Salem, OR
Dallas, TX
TIE-BACK POSITIONS

TIE-BACK POSITION 1
-20°/+20° TOP PARALLEL

TIE-BACK POSITION 2
-20°/-20° TOP CROSS

TIE-BACK POSITION 3
-20° SAME SIDE STACKED

TOLERANCE NOTES

TOLERANCES ON DIMENSIONS, UNLESS OTHERWISE NOTED ARE:
- SAWED, SHEARED AND GAS CUT EDGES (± 0.030")
- DRILLED AND GAS CUT HOLES (± 0.030") - NO CONING OF HOLES
- LASER CUT EDGES AND HOLES (± 0.010") - NO CONING OF HOLES
- BENDS ARE ± 1/2 DEGREE
- ALL OTHER MACHINING (± 0.030")
- ALL OTHER ASSEMBLY (± 0.060")

TIE-BACK POSITIONS

5" MAX.

-20° / +20° TOP PARALLEL

TIE-BACK POSSITIONS

5" MAX.

-20° / -20° TOP CROSS

TIE-BACK POSSITIONS

4 1/2" MAX.

-20° SAME SIDE STACKED

REV
DESCRIPTION OF REVISIONS
CPD
DATE

REV
DESCRIPTION OF REVISIONS
CPD
DATE
ANGLE CALIBRATING PROCEDURE:

1. MEASURE TOWER TAPER AND PICK LOWER BRACKET HOLE:
   - HOLE A = -2.6° TO 2.6°
   - HOLE B = 1.6° TO 6.8°

2. USE CALIBRATING BOLT TO ADJUST FRAME TO DESIRED TAPER

3. TORQUE LOCKING BOLTS TO 100 ft.-lbers.

4. ADVANCE LOCKING NUT TO POSITIONING PLATE, THEN TIGHTEN.

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- ALL OTHER ASSEMBLY (± 0.060")

UPPER

10' 6" HEAVY DUTY
V-FRAME ASSEMBLY
WITH TWO STIFF ARMS

VARIABLE

120° ±

10 1/2" ± TAPER ADJUSTMENT

FITS LEG SIZES UP TO 8-5/8" O.D.

34 1/4"
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ALL OTHER ASSEMBLY (± 0.060")

TOLERANCE NOTES

10' 6" HEAVY DUTY V-FRAME ASSEMBLY WITH TWO STIFF ARMS

REVISED AS FOLLOWS:
A CHANGED TIE-BACK FRONT CONNECTION  CEK 2/2/2017
B CHANGED TIE-BACK BACK CONNECTION  CEK 7/28/2017
C UPDATED PIN LEG CONNECTION TO BCAM CONNECTION  CEK 12/14/2017
D UPDATED BCAM VERSION 1 TO BCAM VERSION 2  CEK 6/29/2018

REVISION HISTORY

DRAWING USAGE CHECKED BY
ENG. APPROVAL DRAWN BY
DWG. NO.
CPD NO.
CEK
4  OF  5
BMC 12/14/2017
1/25/2017 VFA10-HD
10' 6" HEAVY DUTY V-FRAME ASSEMBLY WITH TWO STIFF ARMS

DESCRIPTION

INTERPRETATION:
THE DATA AND TECHNIQUES CONTAINED IN THIS DRAWING ARE PROPRIETARY INFORMATION OF VALMONT INDUSTRIES AND CONSIDERED A TRADE SECRET. ANY USE OR DISCLOSURE WITHOUT THE CONSENT OF VALMONT INDUSTRIES IS STRICTLY PROHIBITED.

ENGINEERING SUPPORT TEAM:
1-888-753-7446

LOCATIONS:
New York, NY
Atlanta, GA
Los Angeles, CA
Plymouth, IN
Salem, OR
Dallas, TX

For Nonvalmont Employees:
Drawing used with permission. Any use or disclosure without the consent of Valmont Industries is strictly prohibited.
10' 6" HEAVY DUTY V-FRAME ASSEMBLY WITH TWO STIFF ARMS

REQUIRES 3/8" HARDWARE

TOLERANCES ON DIMENSIONS, UNLESS OTHERWISE NOTED ARE:
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ALL OTHER MACHINING (± 0.030")
ALL OTHER ASSEMBLY (± 0.060")

UNISTRUT AND HARDWARE
SOLD SEPARATELY.

REQUIRES 1/2" HARDWARE
AND 2-3/8" TO 4-1/2" O.D. PIPE

UNISTRUT AND HARDWARE
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REQUIRES 3/8" HARDWARE

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