

D

C

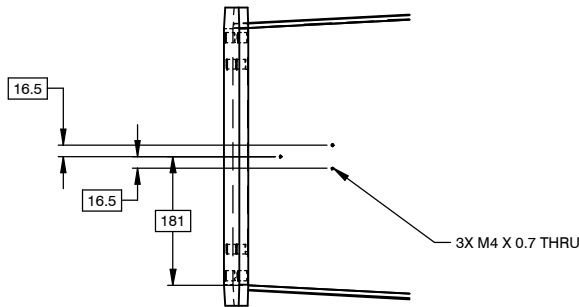
B

A

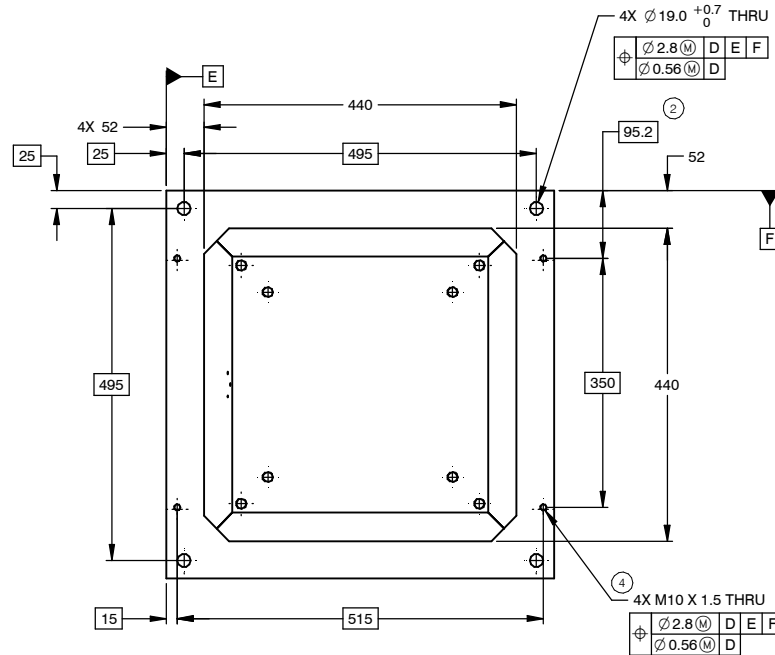
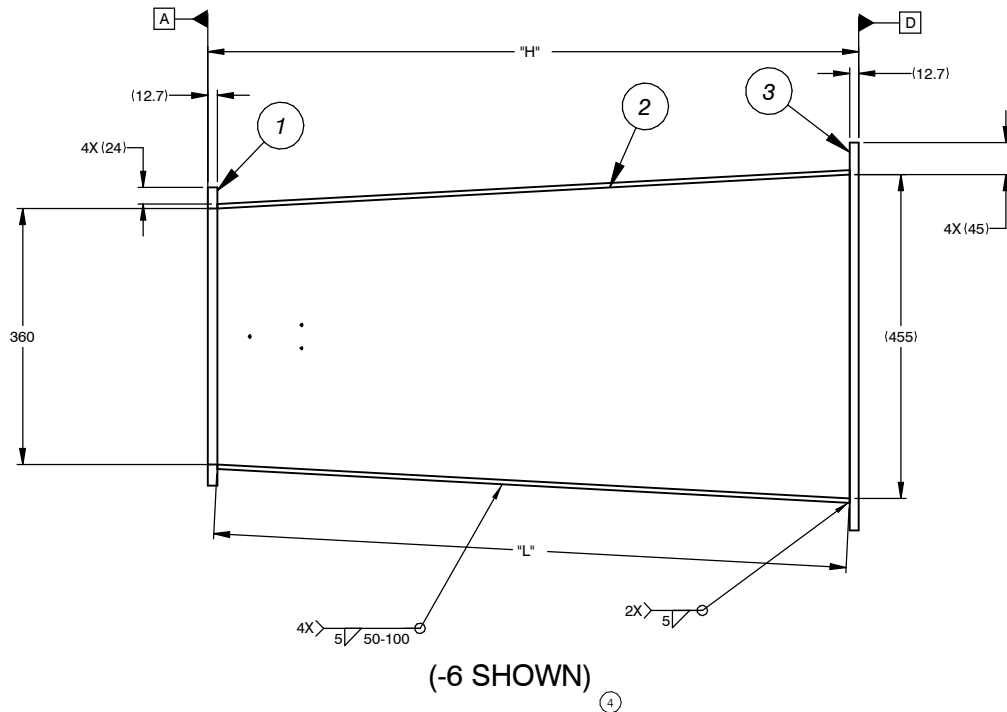
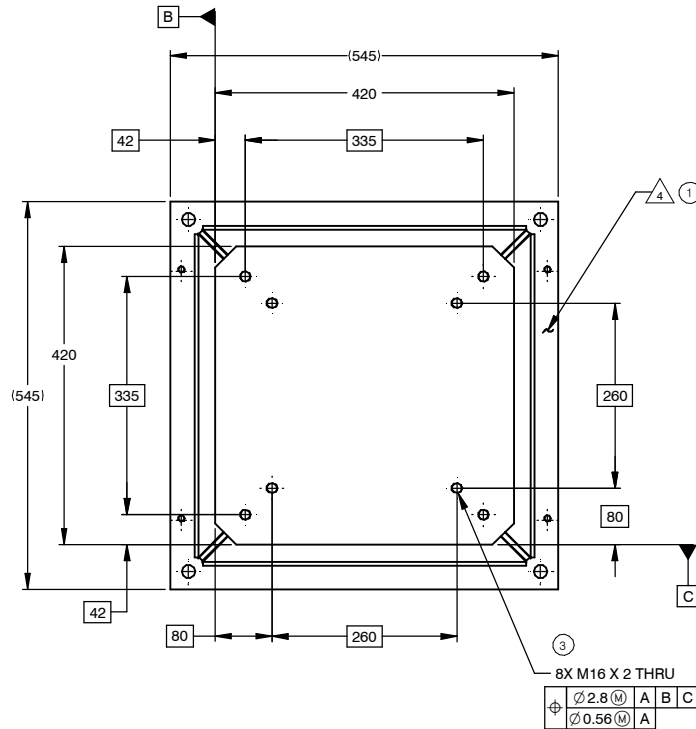
- NOTES:
1. REMOVE BURRS AND SHARP EDGES.
  2. SURFACES TO BE CLEAN AND FREE OF SCALE PRIOR TO FINISH.

△ FINISH: PAINT FLAT BLACK PER MOTOMAN DRAWING 472476-5 EXCEPT TAPPED HOLES.

① △ PERMANENT MARK WITH MOTOMAN PART NUMBER 150697-(), DRAWING REVISION AND VENDOR CODE PER MOTOMAN DESIGN STANDARD SSGW-077 PARA 2.3, IN AREA INDICATED.



TRUE VIEW OF HOLE PATTERN



DIM	-1	-2	-3	-4	-5	-6	-7	-8	-9
"L" REF	282	436	586	740	790	890	1045	1195	1499
"H"	305	460	610	765	815	915	1070	1220	1524

MXP DESCRIPTION BLOCK		
⑤ ④	-1	RISER,EA1400N/EA1900N/MA1400/MA1900/MH6/HP20D/MA1440/MA2010/MH24/GP12/GP24/MH12/VA1400II - 305MM
⑤ ④	-2	RISER,EA1400N/EA1900N/MA1400/MA1900/MH6/HP20D/MA1440/MA2010/MH24/GP12/GP24/MH12/VA1400II - 460MM
⑤ ④	-3	RISER,EA1400N/EA1900N/MA1400/MA1900/MH6/HP20D/MA1440/MA2010/MH24/GP12/GP24/MH12/VA1400II - 610MM
⑤ ④	-4	RISER,EA1400N/EA1900N/MA1400/MA1900/MH6/HP20D/MA1440/MA2010/MH24/GP12/GP24/MH12/VA1400II - 765MM
⑤ ④	-5	RISER,EA1400N/EA1900N/MA1400/MA1900/MH6/HP20D/MA1440/MA2010/MH24/GP12/GP24/MH12/VA1400II - 815MM
⑤ ④	-6	RISER,EA1400N/EA1900N/MA1400/MA1900/MH6/HP20D/MA1440/MA2010/MH24/GP12/GP24/MH12/VA1400II - 915MM
⑤ ④	-7	RISER,EA1400N/EA1900N/MA1400/MA1900/MH6/HP20D/MA1440/MA2010/MH24/GP12/GP24/MH12/VA1400II - 1070MM
⑤ ④	-8	RISER,EA1400N/EA1900N/MA1400/MA1900/MH6/HP20D/MA1440/MA2010/MH24/GP12/GP24/MH12/VA1400II - 1220MM
⑤ ④ ①	-9	RISER,EA1400N/EA1900N/MA1400/MA1900/MH6/HP20D/MA1440/MA2010/MH24/GP12/GP24/MH12/VA1400II - 1524MM

D

C

B

A

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DECIMAL  
0. ± 1.0  
0.0 ± 0.4  
0.00 ± 0.1  
0.000 ± 0.012  
ANGLES ± 30'

GD & T  
0.5  
0.5  
0.5

PROJECTION  
150697.dft  
DWG VERSION

**METRIC**  
*DO NOT SCALE DRAWING*  
UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN SI UNITS. TOLERANCES TO THE LEFT APPLY EXCEPT FOR VENDOR DESIGNED PARTS AND ITEMS PRODUCED TO RECOGNIZED STANDARDS. DIMENSIONS AND TOLERANCES PER ASME Y14.5M-1994.

CHANGE RECORD					
No	E.C.N.	DATE	No	E.C.N.	DATE
1	08-0880	9/10/08	7		
2	10-0298	3/31/10	8		
3	12-1162	10/25/12	9		
4	17-0007	1/16/17	10		
5	17-0265	2/28/17	11		
6			12		

DESIGNED  
GDS  
DRAWN  
KAH 4/25/05  
CHECKED  
KAH 4/25/05  
MATERIAL  
SEE STOCK LIST  
FINISH  
△  
MASS  
100.7 kg  
NOUN CODE  
430

APPROVAL  
APPROVAL  
RELEASE

**YASKAWA**  
**MOTOMAN ROBOTICS**  
MIAMISBURG, OHIO 45342 USA (937-847-6200)

TITLE  
RISER, EA1400N/EA1900N/MA1400/MA1900/MH6/HP20D/MA1440/MA2010/MH24/GP12/GP24  
DWG SIZE  
A1  
SCALE  
1:5  
DWG REV.  
5  
DWG NO.  
150697  
SHEET 1 OF 1

1	1/2" X 545 X 545 HRS	3
4	1/4" X 455 X 'L' HRS	2
1	MATERIAL USED FROM CUTOFF OF ITEM 3	1
QUAN	DESCRIPTION	ITEM