

NOTES: UNLESS OTHERWISE SPECIFIED.

1. INTERPRET DRAWING PER ASME Y14.100.  
DRAWING IS FOR INSPECTION PURPOSES ONLY.  
ACTUAL PART GEOMETRY IS CONTROLLED BY 3D CAD DATABASE.

2. MATERIAL: HOT-DIPPED-GALV-STEEL-SGCC  
THICKNESS: 1.20±0.08mm  
HARDNESS: 50-60 ROCKWELL B  
SPECIFICATION: JIS G3302  
PLATING/COATING: ZCS(A)X, ZINC COATING MASS: Z08, MINIMIZED SPANGLE,  
SKIN PASSED, CHROMATE (ANTI-FINGER PRINT) TREATED, UNOILED  
MATERIAL SHALL CONTAIN 0.02% MIN TO 0.15% MAX CARBON, TO MEET THE  
METAL RECYCLING RATES IF NECESSARY.

3. PART WEIGHT: (260.031 GRAMS), (9.174 OZ)

4. PART SHALL BE CLEAN AND FREE OF CONTAMINANTS, METAL FLAKES, AND OIL.

5 AS DIMENSIONED OR Ø3.60. STANDARD TOLERANCE APPLIES.

6 ACCESSIBLE SHARP EDGES NOT PERMITTED. BURR SHALL BE TOWARDS SURFACE INDICATED.  
MAX BURR SIZE TO BE 10% OF MATERIAL THICKNESS AND IN COMPLIANCE WITH  
UL1439 STANDARD ON ALL ACCESSIBLE EDGES.

7. REFERENCE THE LATEST REVISION OF THE FOLLOWING DOCUMENTS FOR INSPECTION AND  
ACCEPTANCE CRITERIA:  
A. MICROSOFT METAL QUALIFICATION PROCESS (D00435)  
B. MICROSOFT SHEET METAL PART WORKMANSHIP STANDARDS (D00034)  
C. MICROSOFT RESTRICTED SUBSTANCES FOR HARDWARE PRODUCTS (H00594)  
D. MICROSOFT RESTRICTED SUBSTANCES CONTROL SYSTEM (H00642)  
E. MICROSOFT PAINTED PRODUCT WORKMANSHIP AND TEST SPECIFICATION (H00388)  
F. MICROSOFT SYSTEM EMC DESIGN RULES AND GUIDELINES (D00755)  
G. MICROSOFT METAL STAMPING DIE MINIMUM TOOL GUIDELINES (D02520)  
H. MICROSOFT METAL STAMPING DIE MAINTENANCE GUIDELINE (D02522)

8 THE FOLLOWING INFORMATION SHALL BE MARKED IN A PERMANENT AND LEGIBLE MANNER,  
LOCATED WHERE INDICATED. CHARACTERS SHALL BE A MINIMUM OF 3.0mm TALL.  
A. MICROSOFT PART NUMBER  
B. CURRENT REVISION  
C. MANUFACTURING DATE CODE (DD MMM YYYY)  
D. SUPPLIER ID (SUPPLIER ID LOCATION)

9. VENDOR SHALL SUPPLY A CERTIFICATE OF REGULATORY COMPLIANCE WITH EACH SHIPMENT  
THAT INCLUDES THE FOLLOWING INFORMATION:  
A. NAME OF THE SUPPLIER  
B. PRODUCTION DATE  
C. MATERIAL MANUFACTURER'S NAME OR TRADE NAME AND MATERIAL DESIGNATION  
D. NAME OF THE COMPANY BUYING THE PRODUCT  
E. PART NUMBER AND REVISION  
F. PURCHASE ORDER NUMBER  
G. SHIPMENT DATE  
H. QUANTITY OF PARTS SHIPPED  
I. MANUFACTURER REPRESENTATIVE'S NAME, SIGNATURE OR FUNCTION TO ATTEST  
TO THE ACCURACY OF THE INFORMATION.

10. PART TOOLING IS THE PROPERTY OF MICROSOFT AND SHALL BE PERMANENTLY MARKED WITH  
"PROPERTY OF MICROSOFT", THE PART NUMBER, AND THE TOOL ASSET NUMBER.

11. FAI IQC/OQC FIXTURES REQUIRED AND MUST BE APPROVED BY MICROSOFT ENGINEERING.  
FREE STATE INSPECTION CONDITIONS REQUIRED FOR FAI.  
ON-GOING PROCESS CONTROL INSPECTIONS SHALL BE DONE IN FREE STATE.

12. PARTS SHALL BE PACKAGED FOR SUPPLIER INTERNAL DISTRIBUTION.

13 COIN EDGES WHERE INDICATED TO REMOVE SHARP EDGES. BREAKS IN COINING FOR  
CARRYING WEBS REQUIRE APPROVAL OF MICROSOFT ENGINEERING.

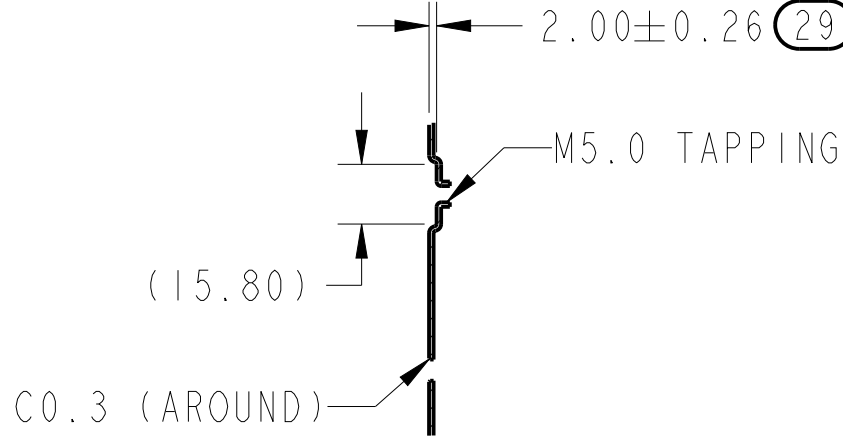
14. BEND RADIUS AND RELIEFS SHALL COMPLY TO ELECTRONIC DATABASE.

15. CARRY POINTS SHALL BE RECESSED BY 0.25mm MAX. TOOLING HOLES OR OTHER DEVIATIONS  
REQUIRE APPROVAL BY MICROSOFT ENGINEERING.

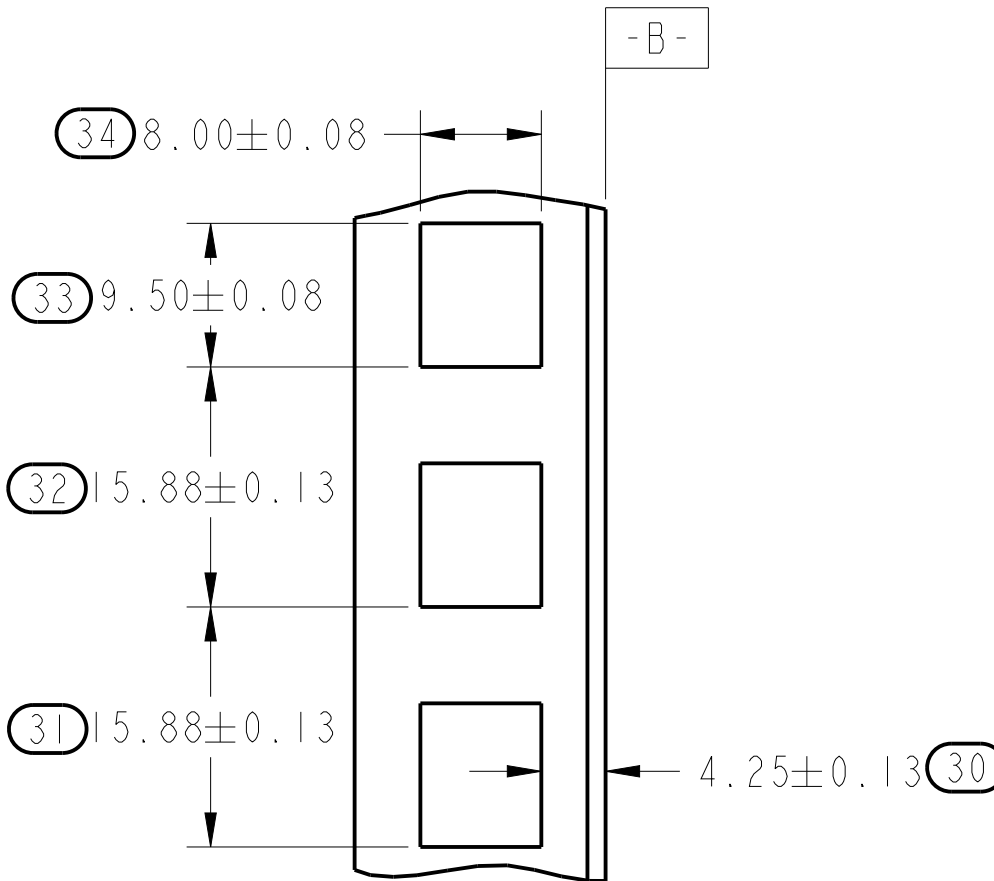
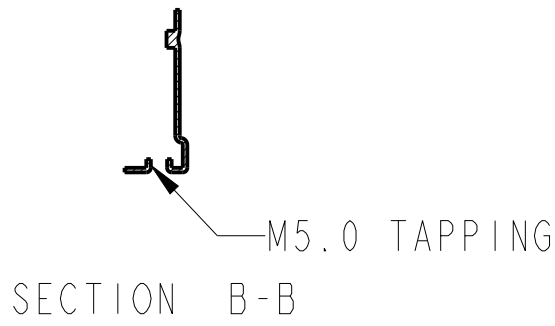
16. TOLERANCE KEY FOR NON-DIMENSIONED ITEMS:  
HOLE DIAMETER IN PUNCH DIRECTION: ±0.08  
CHAMFERED HOLE DIAMETER FROM BURR SIDE: ±0.15  
HOLE TO HOLE: ±0.13  
HOLE TO EDGE: ±0.13  
EDGE TO EDGE: ±0.13  
HOLE TO BEND: ±0.13  
EDGE TO BEND: ±0.21  
BEND TO BEND: ±0.26  
EMBOSS DEPTH: ±0.26  
ANGLE: ±0.3°

17. VENDOR MODIFICATIONS OF HOLE FEATURE SIZING AND TOLERANCES FOR PRESS-IN HARDWARE  
IS ALLOWED FOR VENDOR-SPECIFIC HARDWARE PER MICROSOFT APPROVAL.

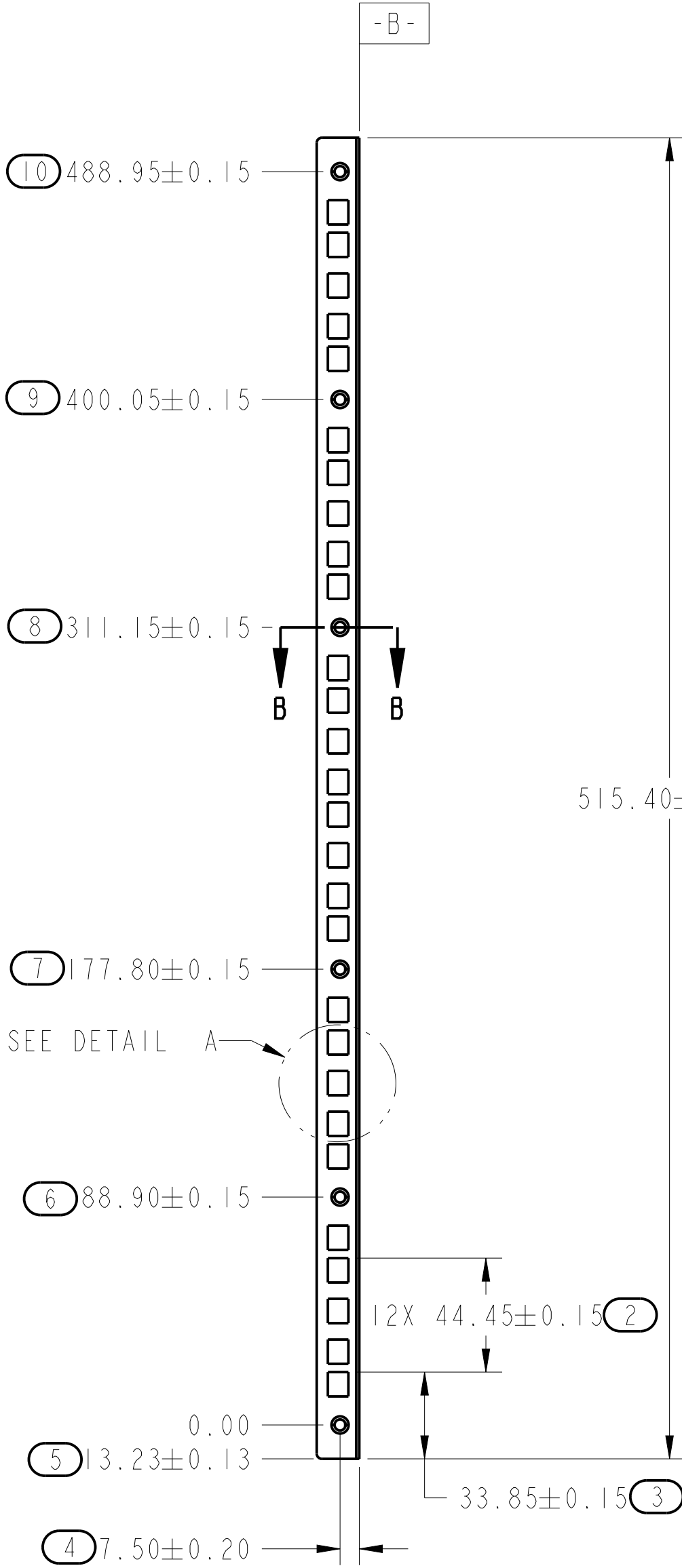
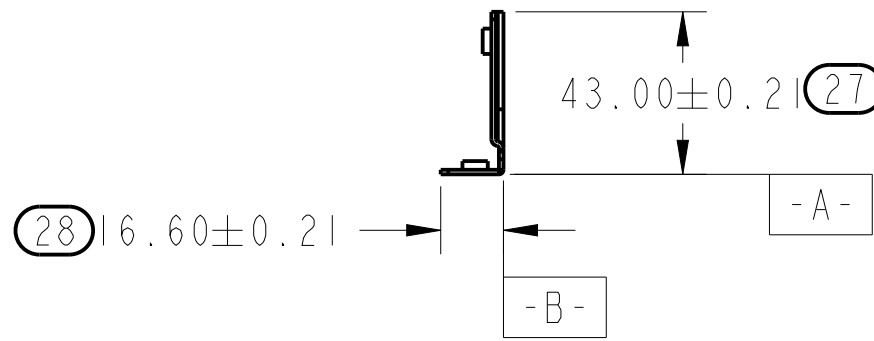
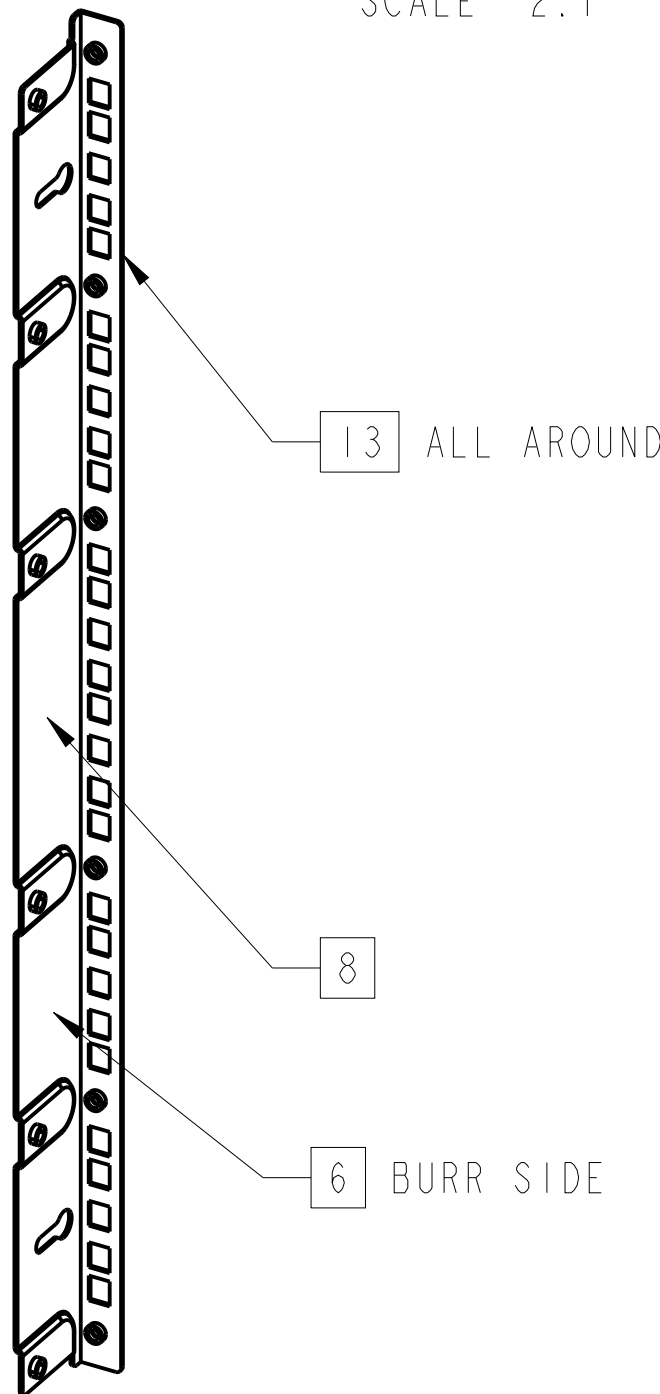
18. DIMENSIONS AND TOLERANCES NOT MARKED CRITICAL, TOOLING OR PROCESS SHALL BE CONSIDERED  
REFERENCE DIMENSIONS. ONLY CRITICAL, TOOLING AND PROCESS DIMENSIONS ARE REQUIRED TO BE  
COMPLIANT FOR FAI. ADDITIONAL MEASUREMENTS REQUIRED AT ENGINEERING REQUEST.



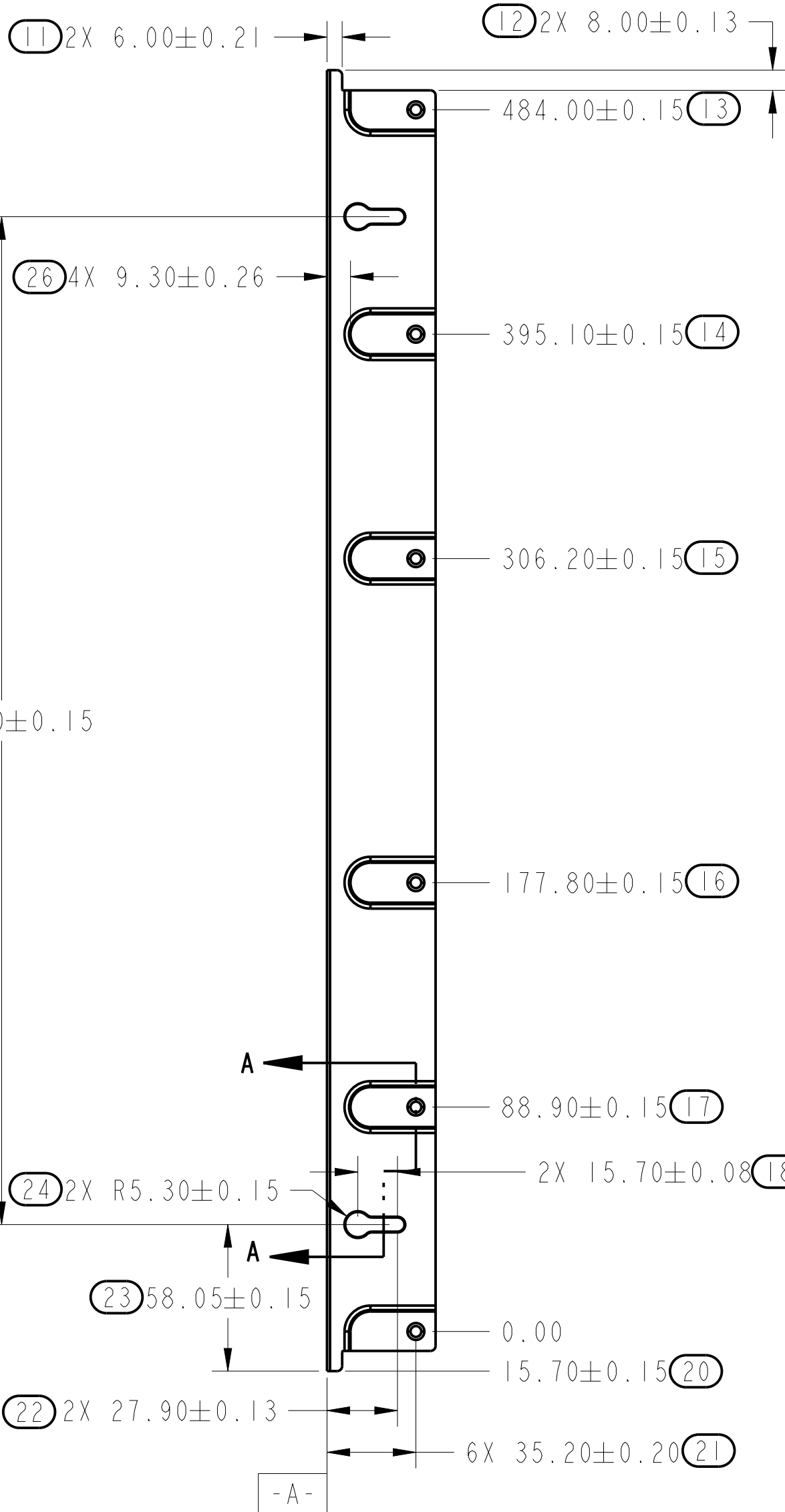
SECTION A-A



DETAIL A  
SCALE 2:1



REV	ECO NO	DESCRIPTION	DRAWN	APVD DATE
A		INITIAL RELEASE.	PENSAR	7/5/13
B		DFM FEEDBACK	L CANNON	2/21/14
C		UPDATED NOTE 1, ADDED NOTE 18	G HAZEN	5/14/14
D		INCREASED TOLS ON DIMS 4,21,24,25	B BROILI	7/22/14



DRAWN PENSAR CHECKED -		DATE 7/5/13 DATE -		Microsoft® MS PART NO: X879150-001 MS PDM VER: D.1			
ENGINEER BRUBEN ENGINEER -		DATE 7/5/13 DATE -		UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE: MILLIMETERS TOLERANCES ARE: SEE TOLERANCE BLOCK			
COG ENGR -		DATE -		DO NOT SCALE DRAWING			
MFG ENGR -		DATE -		LEGEND: ★ = TOLERANCE CHAIN DIM ■ = CRITICAL DIM ● = TOOLING DIM ▲ = PROCESS DIM Ⓢ = DIMENSION ID			
TOOLING -		DATE -		SIZE: D			
QUALITY -		DATE -		THIRD ANGLE PROJECTION			
RELEASED -		DATE -		DRAWING NO: X879150 SCALE: 1:2			
-		-		REV: D SHEET: 1 OF 2			

DIMENSIONS ARE IN MILLIMETERS		-	-
GENERAL TOLERANCES		SEE NOTES	SEE NOTES
STD. DIM	SEE NOTES	DOCUMENT NO	GENERAL DESCRIPTION
ANGLE	SEE NOTES	APPLICABLE SPECIFICATION TABLE	
RADIUS	SEE NOTES	THIS DOCUMENT AND THE INFORMATION CONTAINED HEREIN ARE PROPRIETARY TO MICROSOFT CORPORATION AND SHALL NOT BE USED BY, OR DISCLOSED IN WHOLE OR IN PART TO ANYONE OUTSIDE OF MICROSOFT CORPORATION WITHOUT THE PRIOR WRITTEN PERMISSION OF MICROSOFT CORPORATION.	

DIM ID	SHEET	ZONE	DIM TYPE
1	I	C3	
2	I	B3	
3	I	B3	
4	I	B4	
5	I	B4	
6	I	B4	
7	I	B4	
8	I	C4	
9	I	C4	
10	I	D4	
11	I	D2	
12	I	D1	
13	I	D1	
14	I	C1	
15	I	C1	
16	I	B1	
17	I	B1	
18	I	B1	
19	I	B1	
20	I	B1	
21	I	B1	
22	I	B2	
23	I	B2	
24	I	B2	
25	I	C3	△ ●
26	I	C2	
27	I	D3	
28	I	D4	
29	I	D5	
30	I	B5	
31	I	B6	
32	I	C6	
33	I	C6	
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Microsoft®

MS PART NO: X879150-001  
MS PDM VER: D.1

TITLE:  
BRKT, SIDE WALL, INNER POST

SIZE:  
D

THIRD ANGLE PROJECTION

DRAWING NO:  
X879150

SCALE:  
1:2

REV:  
D

SHEET:  
2 OF 2