

REVISIONS			
REV.	DESCRIPTION	DATE	INITIALS
A	INITIAL RELEASE	04/22/19	RM
B	UPDATED FORMATTING	4/29/2019	CS
C	MOVE LOCATING PINS AND ADD Ø 1.00 mm THRU FOR VENTING	5/6/2019	
D	ADDED FILLETS	5/26/2019	CS
E	CHANGED END CAP HOLE DEPTH AND ADDED SLOTS FOR VENTING	7/24/2019	CS
F	ADDED SLOPES ABOVE CARD SLOTS	9/4/2019	CS
G	ADDED STAR TRACKER AND INHIBIT CUTOUTS	7/29/2020	EG
H	CHANGED POST LOCATIONS, REMOVED EXTRA SOLAR BOARD HOLES, CHANGED PLUNGER THREAD DEPTH	9/12/2020	CS
J	CHANGED RAIL FILLETS TO MATCH CDS	9/23/2020	CS

UNLESS OTHERWISE SPECIFIED:  
DIMENSIONS ARE IN MILLIMETER  
TOLERANCES:  
ONE PLACE DECIMAL ±0.1  
TWO PLACE DECIMAL ±0.01

MATERIAL  
6061-T6 (SS)

FINISH  
ANODIZATION: TYPE II

WEIGHT (REF)

DO NOT SCALE DRAWING

PSAS

DRAWN

CHECKED

ENG APPR.

MFG APPR.

NAME  
RYAN MEDICK  
ANDREW GREENBERG

DATE  
4/22/19  
4/22/19

COMMENTS:

DWG. NO.

REV  
J

SIZE  
B

SCALE: 1:2  
SHEET 1 OF 4

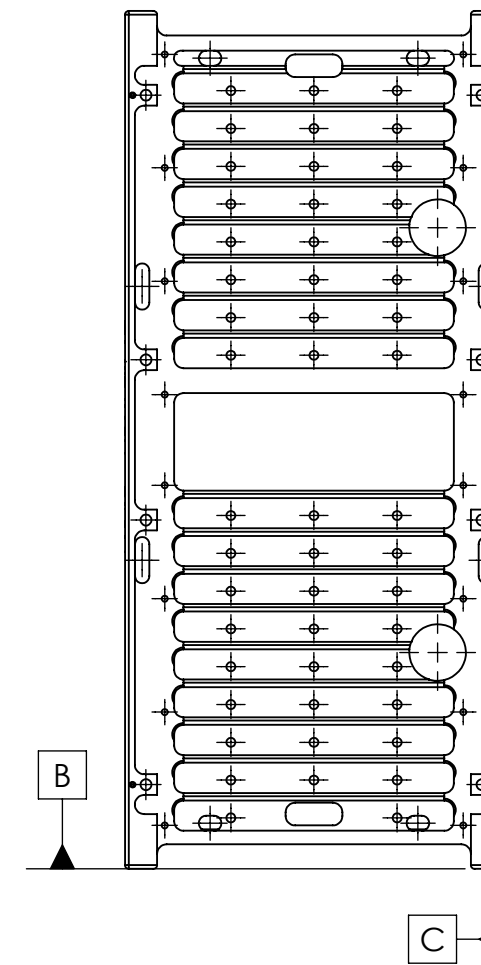
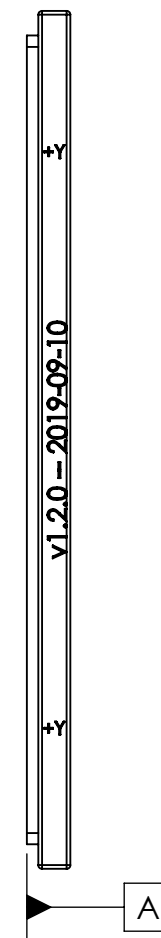
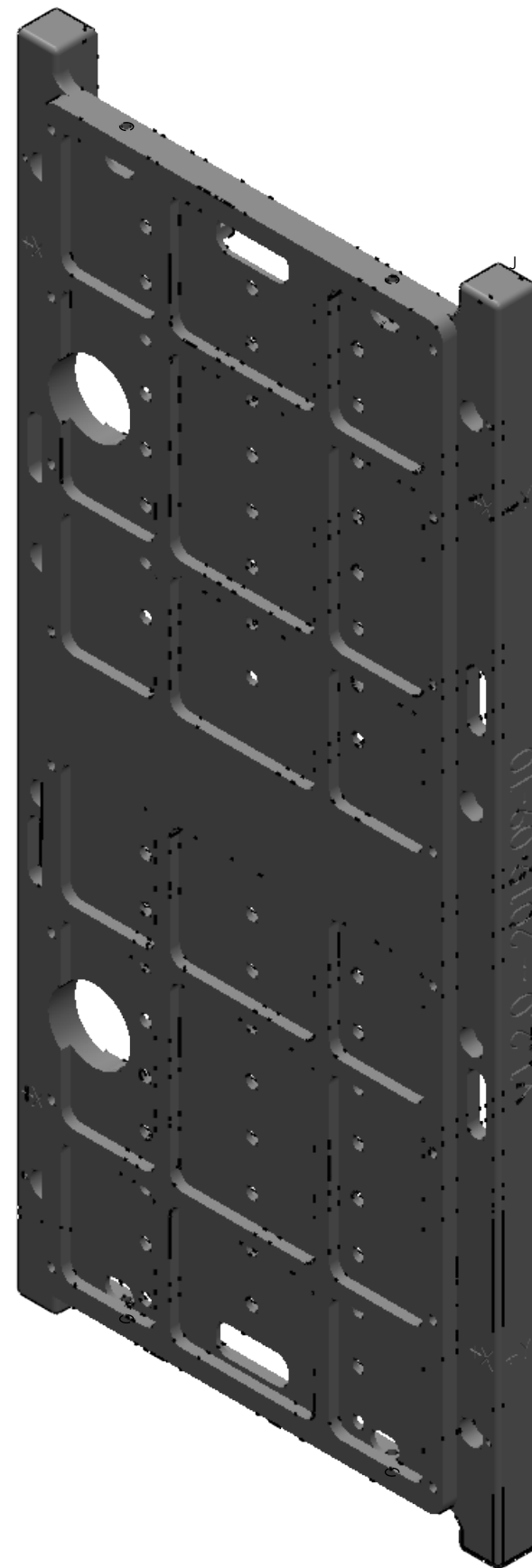
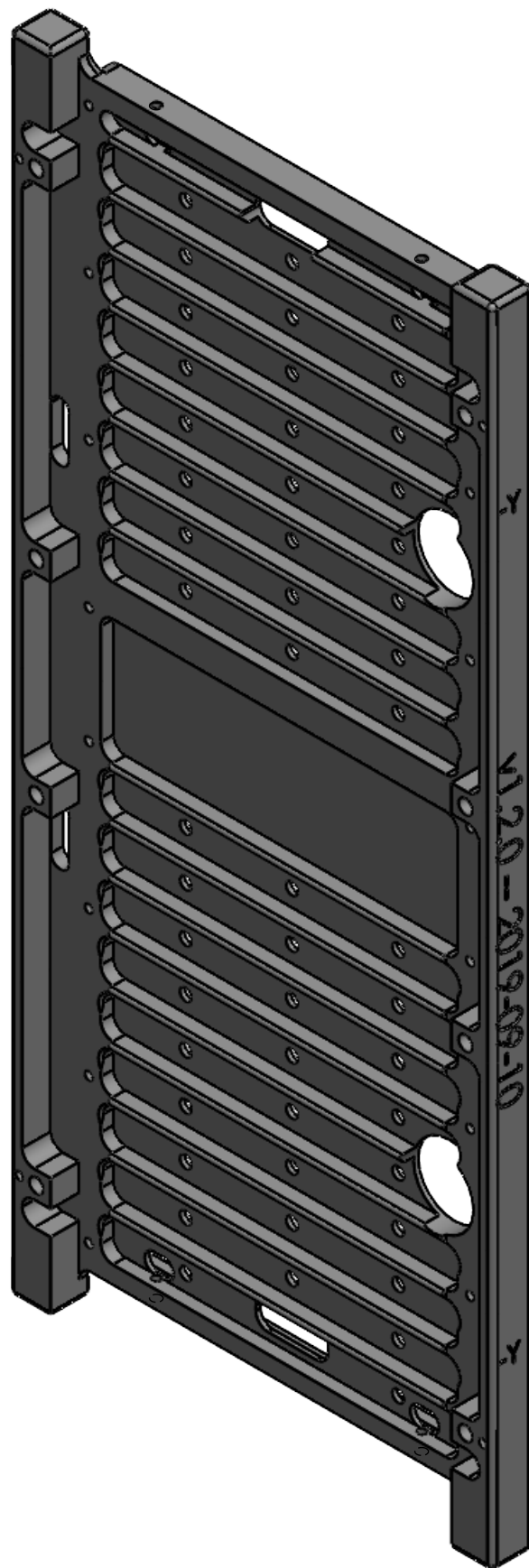
Description:  
  
+X\_Frame

4

3


2

1



NOTES:

1. REFERENCE +X\_Frame.sldprt OR +X\_Frame.step FOR MODEL BASE DEF.
2. BREAK ALL EDGES.
3. MATERIAL: 6061-T6 (SS).
4. ANODIZATION: TYPE II, BLACK
5. OVERALL PROFILE TOLERANCE  $\frac{1}{4}$  0.2 A B C TO A MINIMUM GRID OF 5MM, UNLESS OTHERWISE SPECIFIED.
6. INTERNAL CORNERS RADIUS IS 0.2MM MAXIMUM

	DRAWN	NAME RYAN MEDICK ANDREW GREENBERG	DATE 4/22/19	Description:  +X FRAME
	CHECKED		4/22/19	
	ENG APPR.			
	MFG APPR.			
	COMMENTS:			
UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN MILLIMETER TOLERANCES: ONE PLACE DECIMAL $\pm 0.1$ TWO PLACE DECIMAL $\pm 0.01$				DWG. NO. +X_Frame
MATERIAL 6061-T6 (SS) FINISH ANODIZATION: TYPE II WEIGHT (REF) DO NOT SCALE DRAWING				REV J
				SIZE B
				SCALE: 1:2 SHEET 2 OF 4

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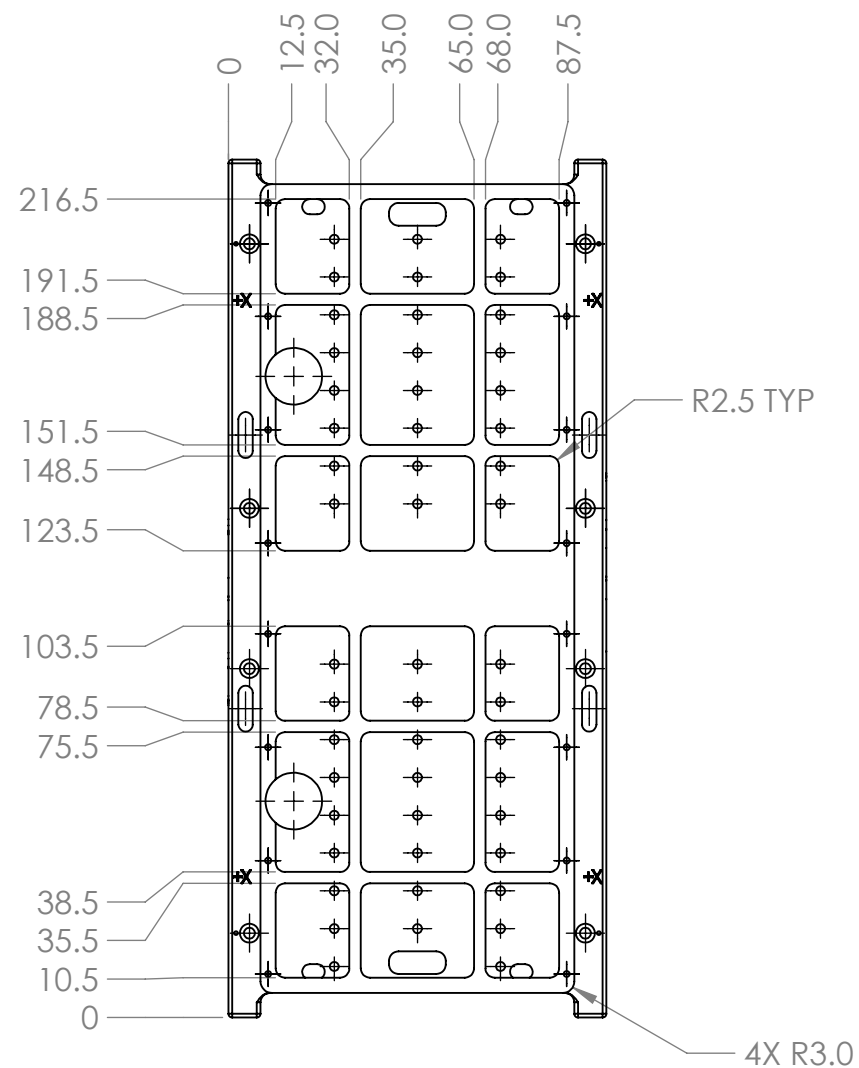
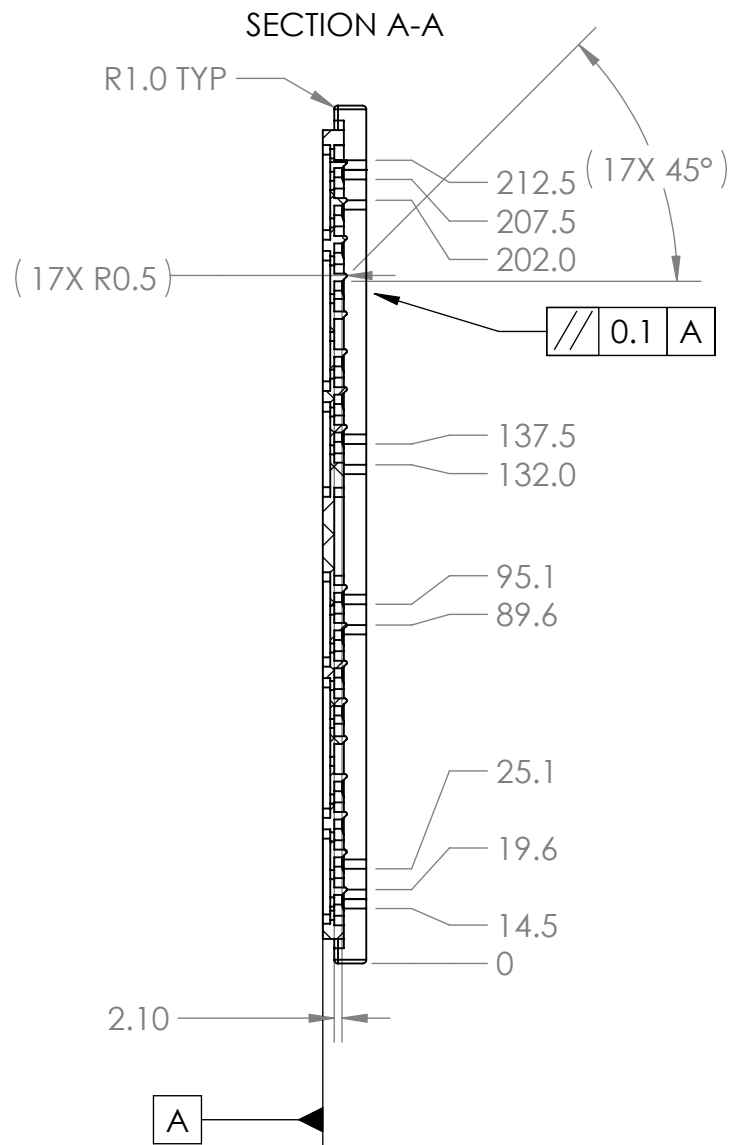
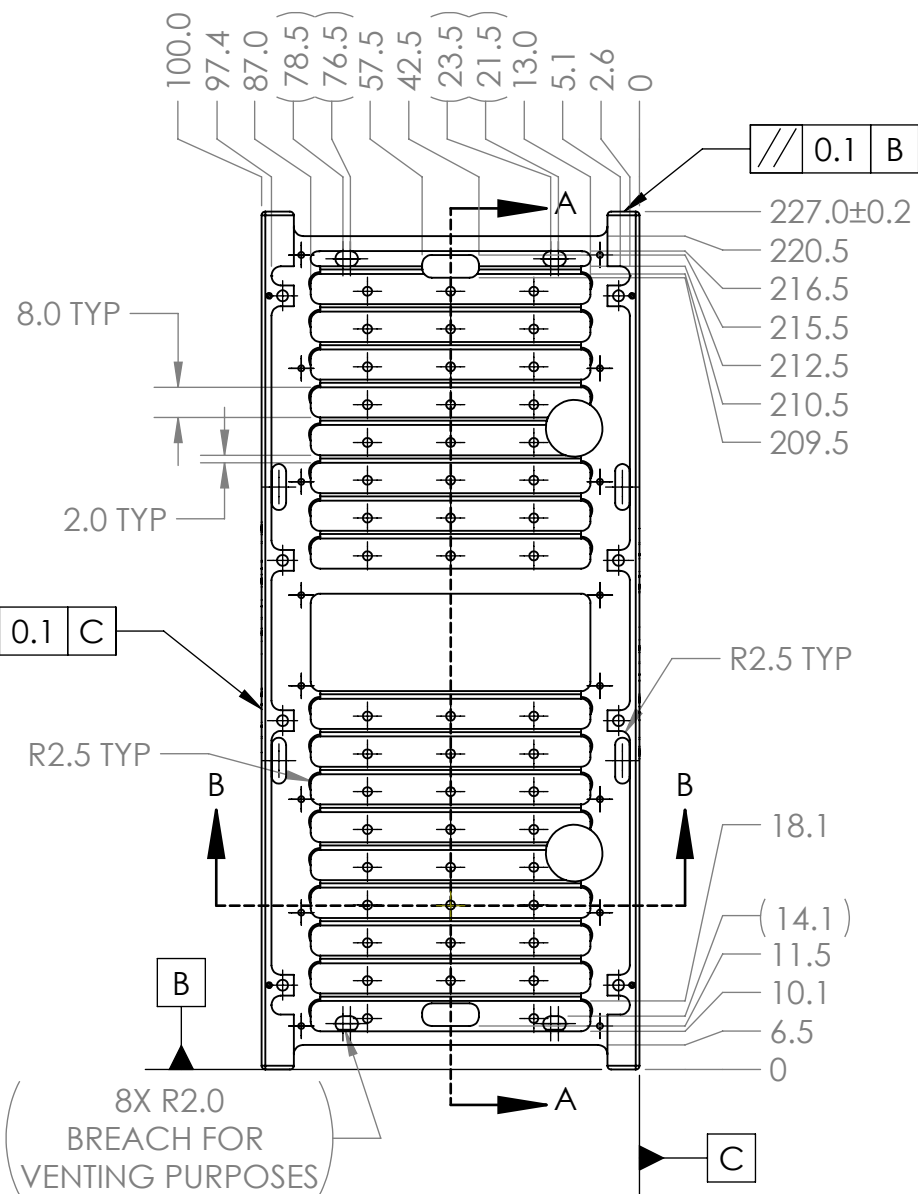
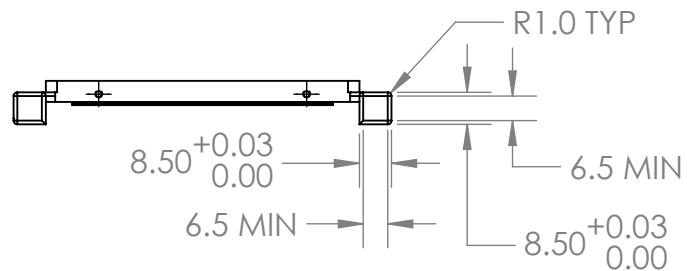
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1



DRAWN	NAME RYAN MEDICK ANDREW GREENBERG	DATE 4/22/19
CHECKED		4/22/19
ENG APPR.		
MFG APPR.		

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+X FRAME

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TWO PLACE DECIMAL ±0.01

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6061-T6 (SS)  
FINISH  
ANODIZATION: TYPE II  
WEIGHT (REF)  
DO NOT SCALE DRAWING

COMMENTS:

DWG. NO.

+X\_Frame

REV J	SIZE B	SCALE: 1:2 SHEET 3 OF 4
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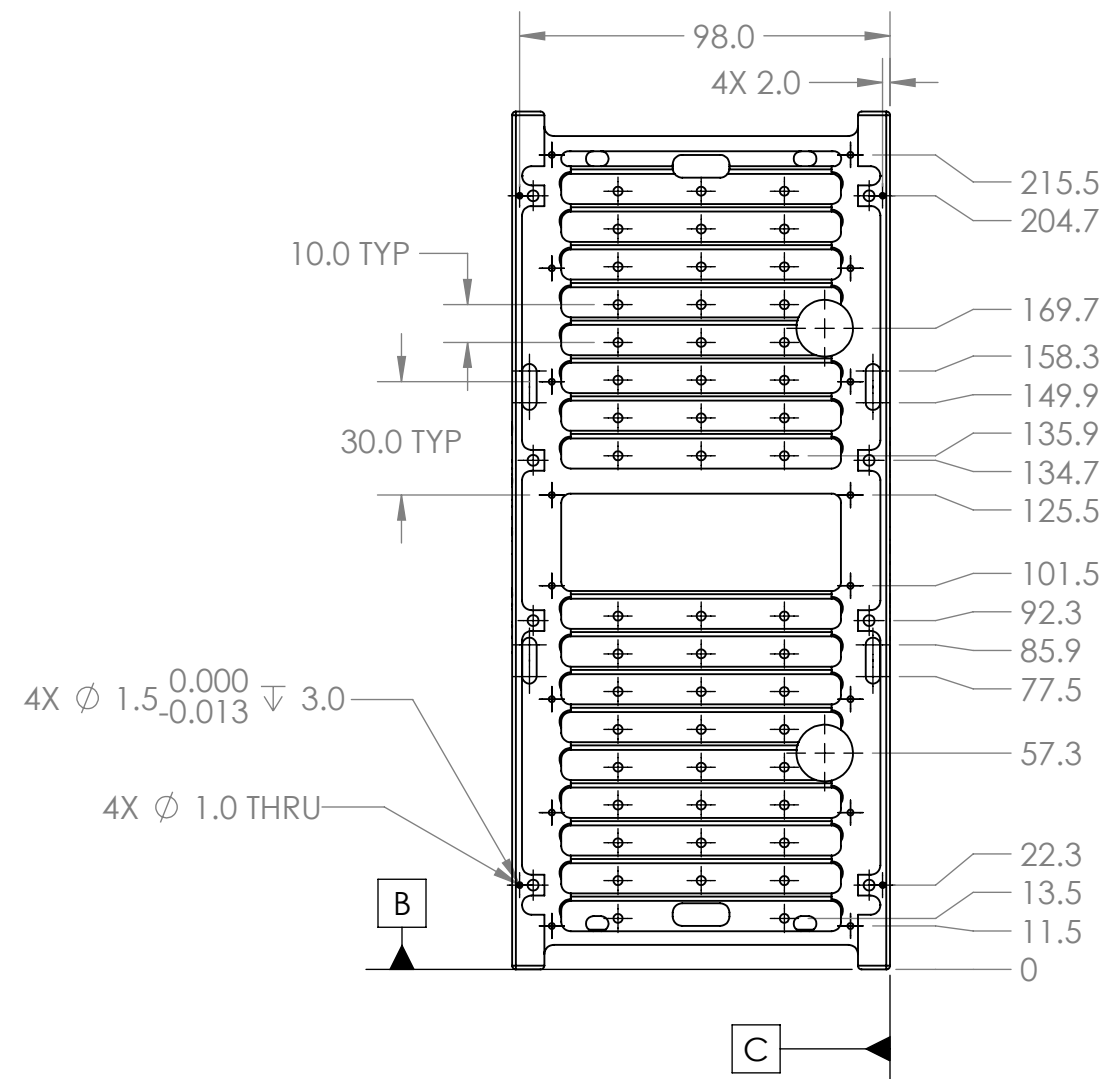
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3

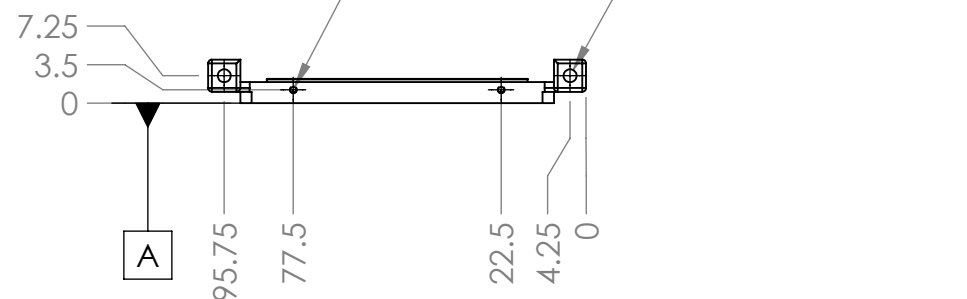
2

1

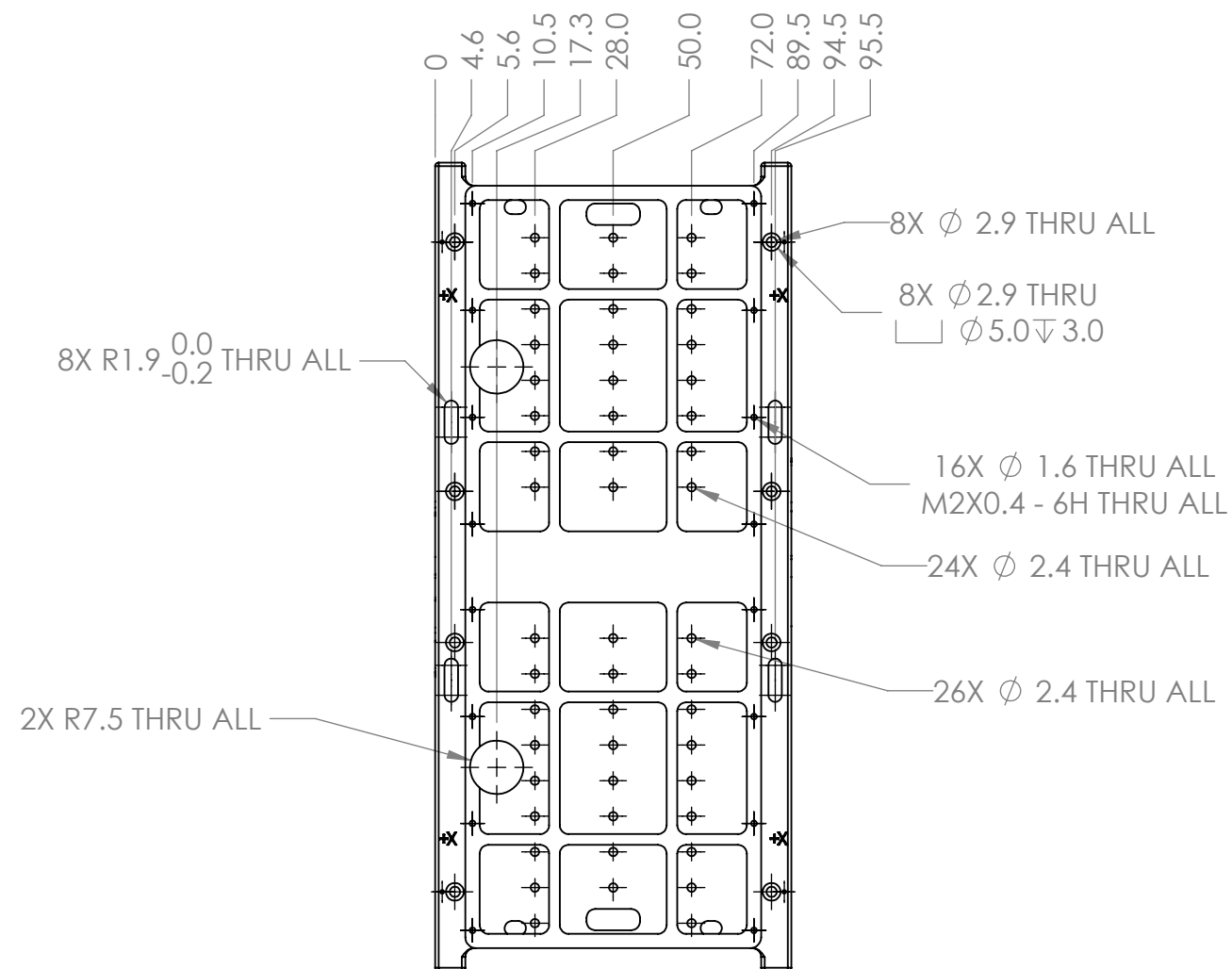
2X  $\varnothing$  1.6[0.1]  $\nabla$  (4.0)[0.1]  
M2X0.4 - 6H  $\nabla$  (4.0)[0.1]  
BREACH FOR VENTING PURPOSES



2X  $\varnothing$  1.6[0.1]  $\nabla$  (4.0)[0.1]  
M2X0.4 - 6H  $\nabla$  (3.6)[0.1]  
BREACH FOR VENTING PURPOSES



2X  $\varnothing$  3.5  $\nabla$  12.4  
8-36 UNF  $\nabla$  10.3



DRAWN	NAME RYAN MEDICK	DATE 4/22/19
CHECKED	ANDREW GREENBERG	4/22/19
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MFG APPR.		

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WEIGHT (REF)  
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COMMENTS:

DWG. NO. +X\_Frame

REV J	SIZE B	SCALE: 1:2 SHEET 4 OF 4
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2

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