

SOLIDWORKS Educational Product. For Instructional Use Only

UNLESS OTHERWISE SPECIFIED:
DIMENSIONS ARE IN **MILLIMETERS**
TOLERANCES:
FRACTIONAL BEND ±
TWO PLACE DECIMAL ±.01
THREE PLACE DECIMAL ±.001

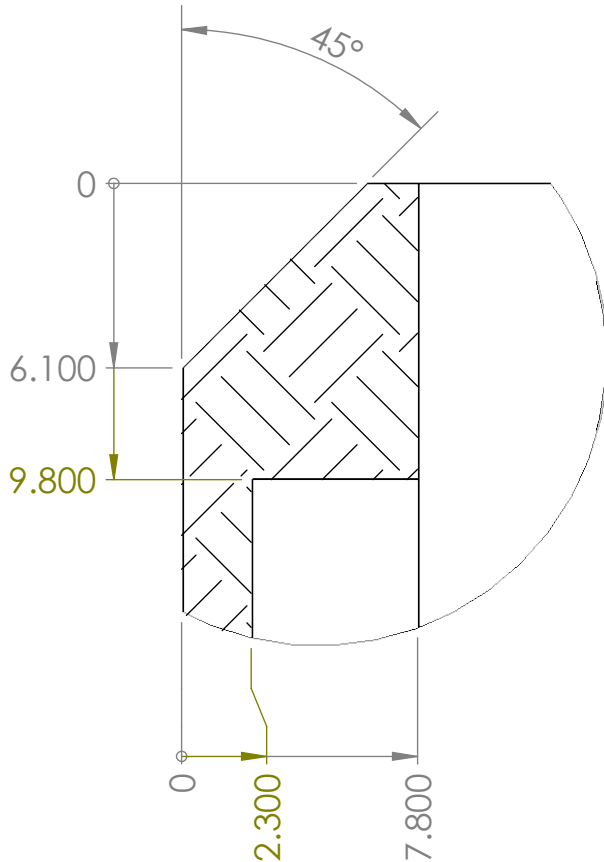
	MATERIAL
	FR4
	FINISH
	--
	Weight
DO NOT SCALE DRAWING	

	NAME	DATE
DRAWN	Joe S.	2017-3-31
CHECKED	--	
ENG APPR.	--	
MFG APPR.	--	

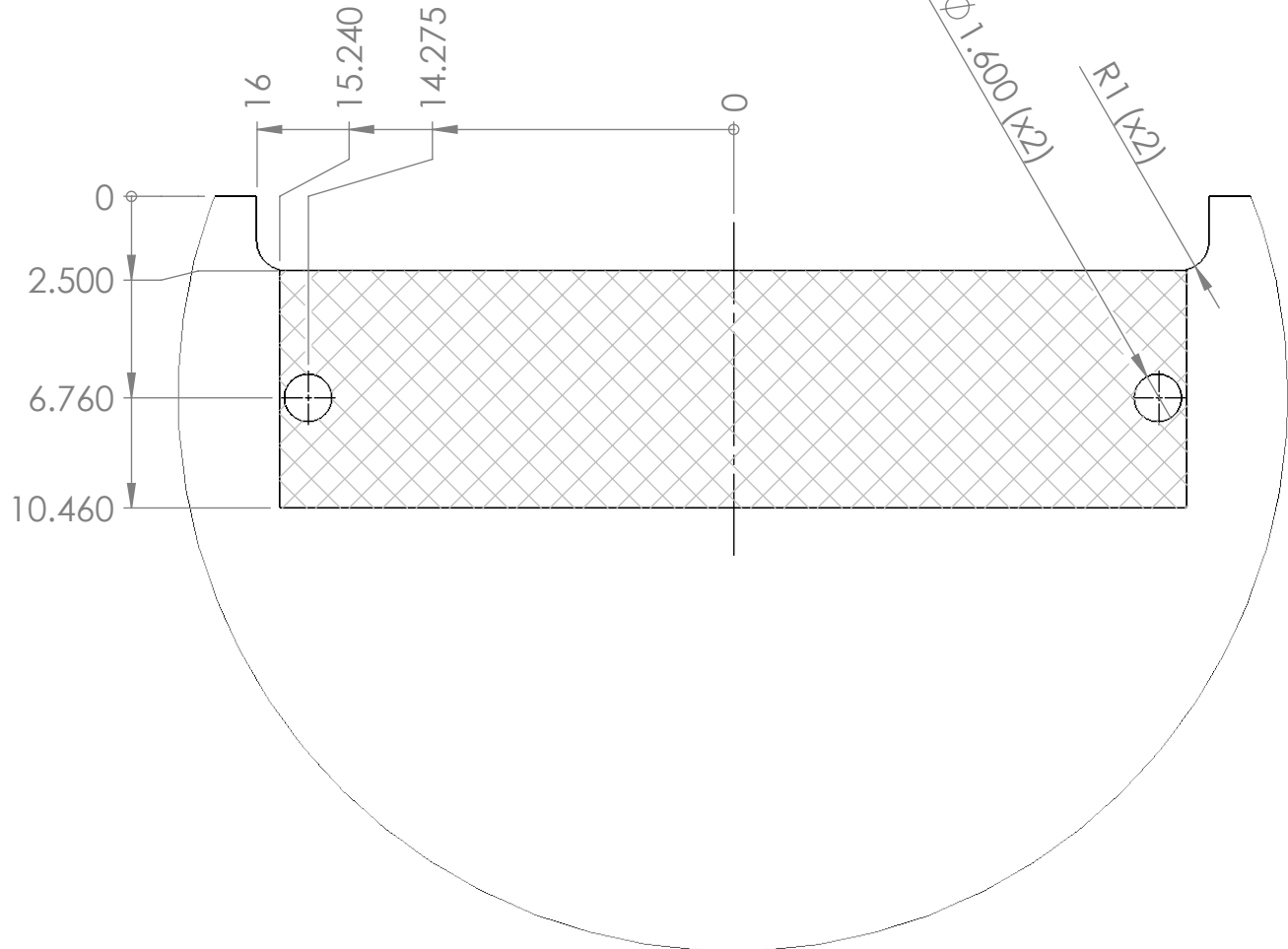
Description:
The generic board layout for
OreSat

COMMENTS:
RECOMMENDED HEIGHT:
<4 mm ABOVE/BELOW CARD

DWG. NO.			--
REV	SIZE	SCALE: 1:1	
0.5	A	SHEET 2 OF 6	



DETAIL A
SCALE 4 : 1



DETAIL B
SCALE 4 : 1



UNLESS OTHERWISE SPECIFIED:
DIMENSIONS ARE IN **MILLIMETERS**
TOLERANCES:
ANGULAR EACH \pm BEND \pm
TWO PLACE DECIMAL \pm .01
THREE PLACE DECIMAL \pm .001

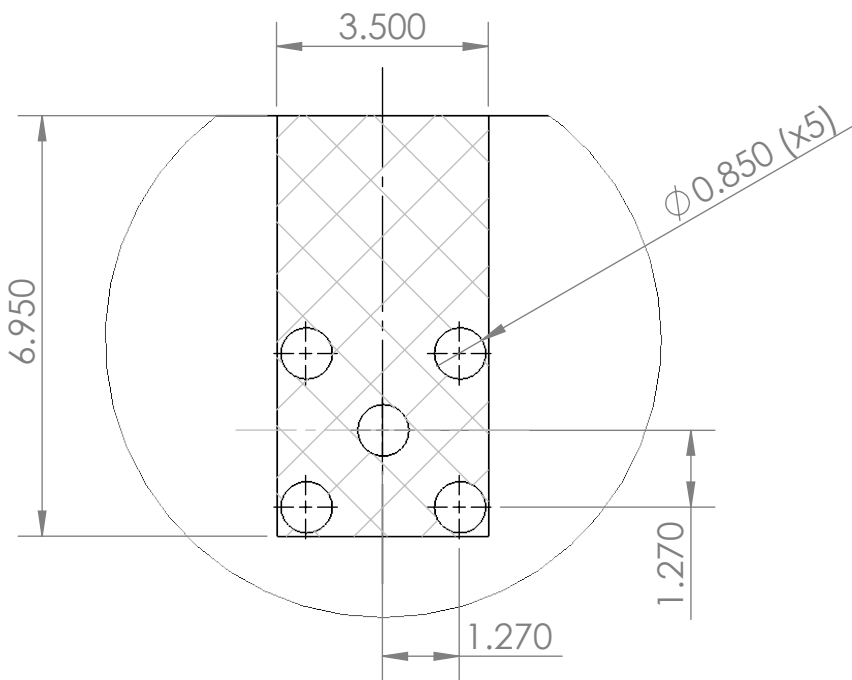
MATERIAL **FR4**
FINISH --
Weight
DO NOT SCALE DRAWING

	NAME	DATE
DRAWN	Joe S.	2017-3-31
CHECKED	--	
ENG APPR.	--	
MFG APPR.	--	

Description:
The generic board layout for
OreSat

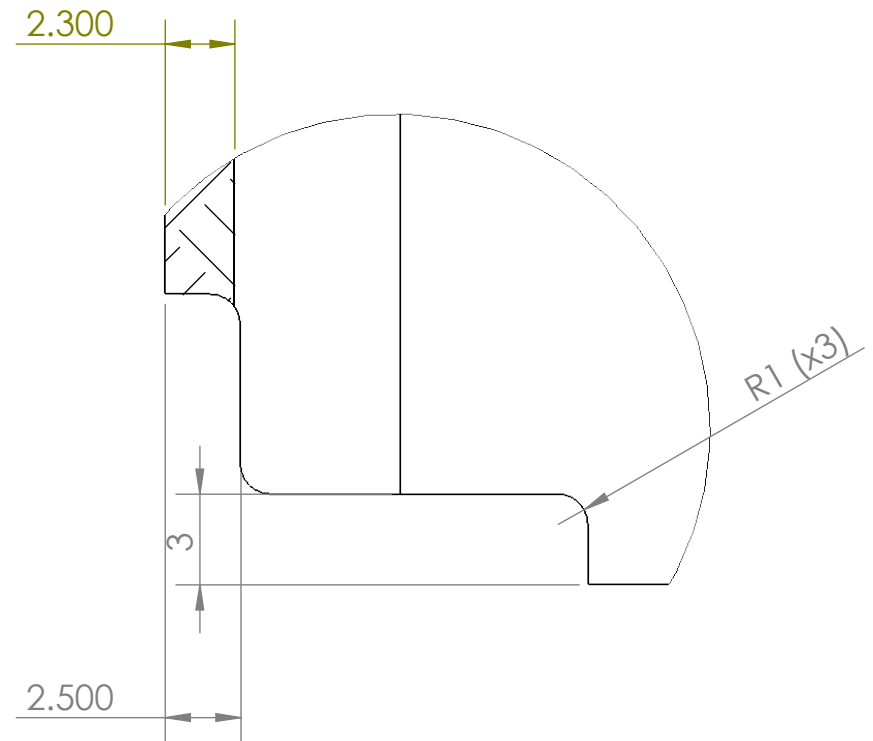
COMMENTS:
RECOMMENDED HEIGHT:
<4 mm ABOVE/BELOW CARD

DWG. NO. --		
REV	SIZE	SCALE: 1:1
0.5	A	SHEET 3 OF 6



DETAIL C

SCALE 8 : 1



DETAIL D

SCALE 4 : 1

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UNLESS OTHERWISE SPECIFIED:
DIMENSIONS ARE IN **MILLIMETERS**
TOLERANCES:
FINISH --
Weight
DO NOT SCALE DRAWING



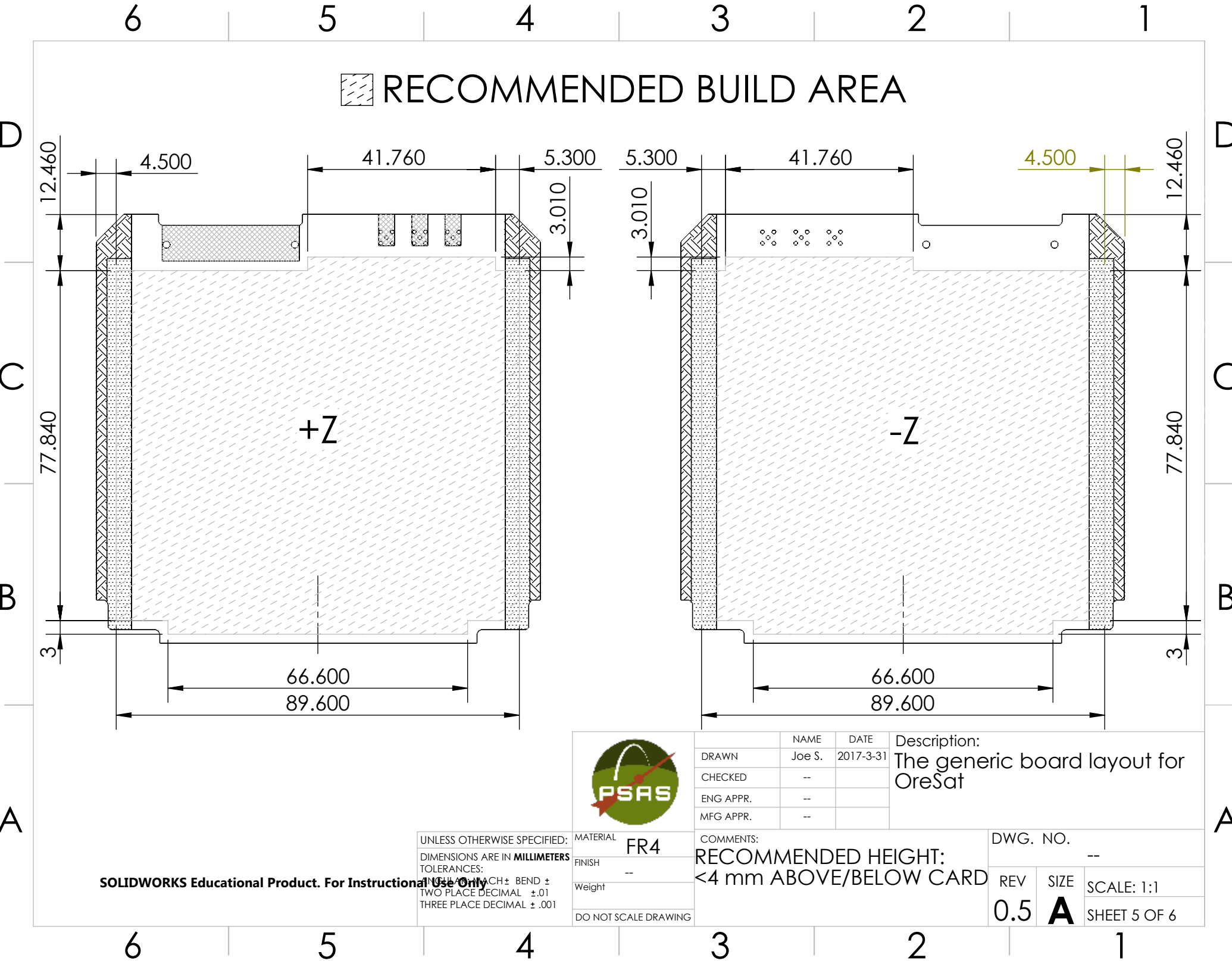
MATERIAL **FR4**
FINISH --
Weight
DO NOT SCALE DRAWING

	NAME	DATE
DRAWN	Joe S.	2017-3-31
CHECKED	--	
ENG APPR.	--	
MFG APPR.	--	

Description:
The generic board layout for
OreSat

COMMENTS:
RECOMMENDED HEIGHT:
<4 mm ABOVE/BELOW CARD

DWG. NO.		--
REV	SIZE	SCALE: 1:1
0.5	A	SHEET 4 OF 6



RECOMMENDED BUILD AREA

+Z

-Z



	NAME	DATE
DRAWN	Joe S.	2017-3-31
CHECKED	--	
ENG APPR.	--	
MFG APPR.	--	

Description:
The generic board layout for
OreSat

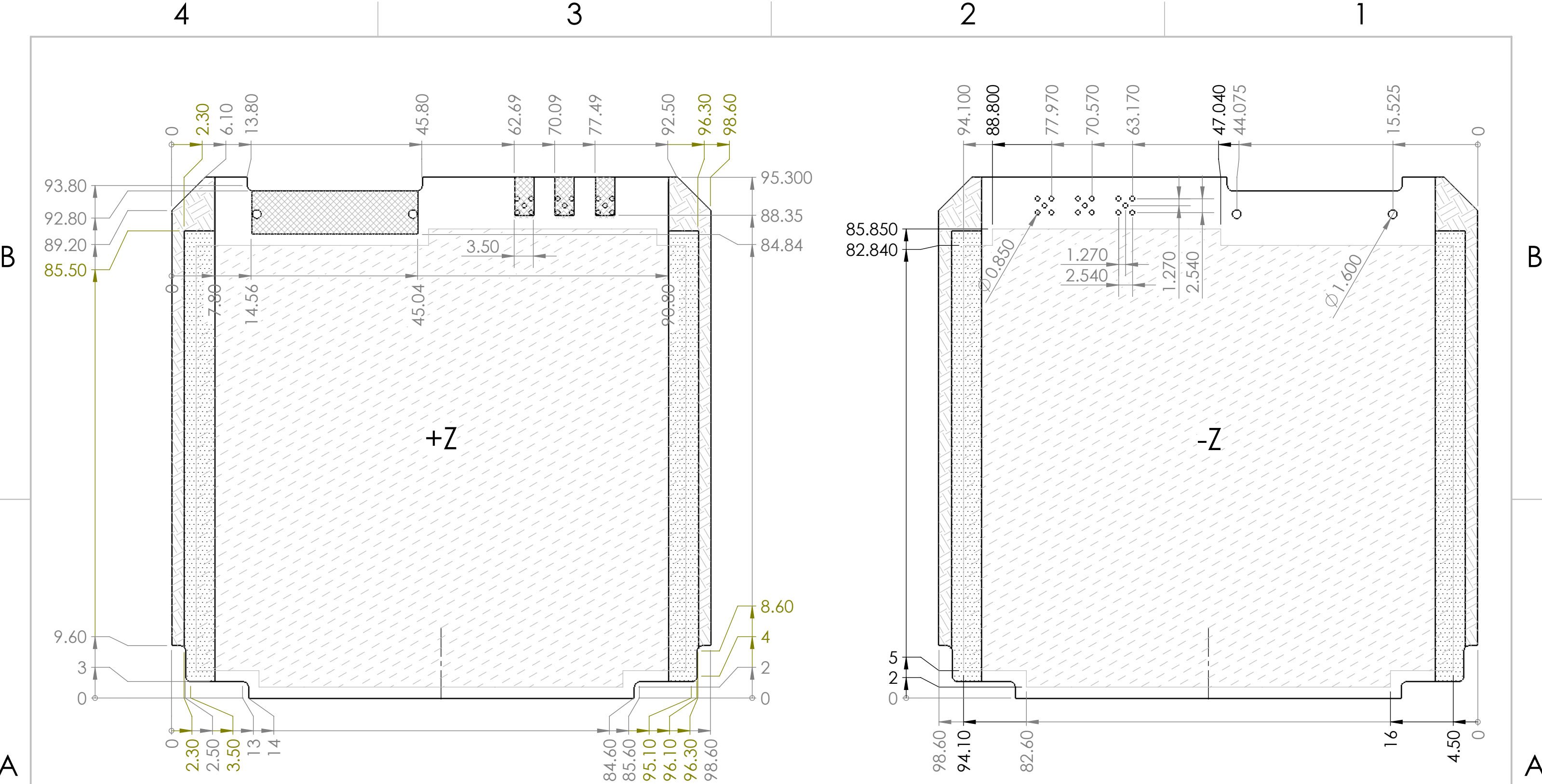
UNLESS OTHERWISE SPECIFIED:
DIMENSIONS ARE IN **MILLIMETERS**
TOLERANCES:
HOLE LOC. ± .125
HOLE DIA. ± .01
HOLE DEPTH ± .001
HOLE POSITION ± .01
HOLE RADIUS ± .01
HOLE CHAMFER ± .01
HOLE DRILL ± .01
HOLE TAP ± .01
HOLE DEPTH ± .001

MATERIAL	FR4
FINISH	--
Weight	
DO NOT SCALE DRAWING	

COMMENTS:
RECOMMENDED HEIGHT:
<4 mm ABOVE/BELOW CARD


DWG. NO.	--
REV	0.5
SIZE	A
SCALE: 1:1	
SHEET 5 OF 6	

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Note:
The low clearance area only affects the +Z faces of cards 5 and 17
and the -Z faces of cards 4 and 16. All others have the usual 4 mm
recommended and 8.6 mm possible clearance.

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		NAME	DATE	Description: The generic board layout for OreSat			
	DRAWN	Marie H.	2017-5-27				
	CHECKED	--					
	ENG APPR.	--					
	MFG APPR.	--					
MATERIAL	FR4			COMMENTS:		DWG. NO.	
FINISH	--	RECOMMENDED HEIGHT: <4 mm ABOVE/BELOW CARD			--		
Weight					REV	SIZE	SCALE: 1:1
DO NOT SCALE DRAWING					0.5	B	SHEET 6 OF 6