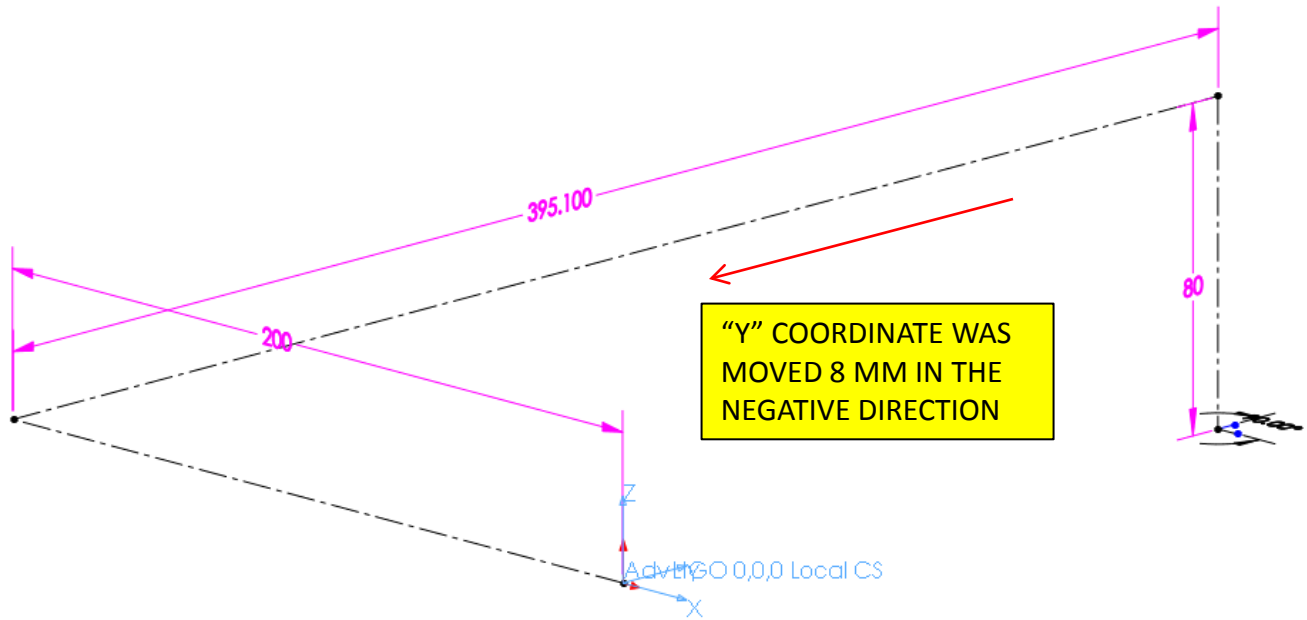**D0901137 – BSC1-H1**

COORDINATES

EXISTING COORDINATES:
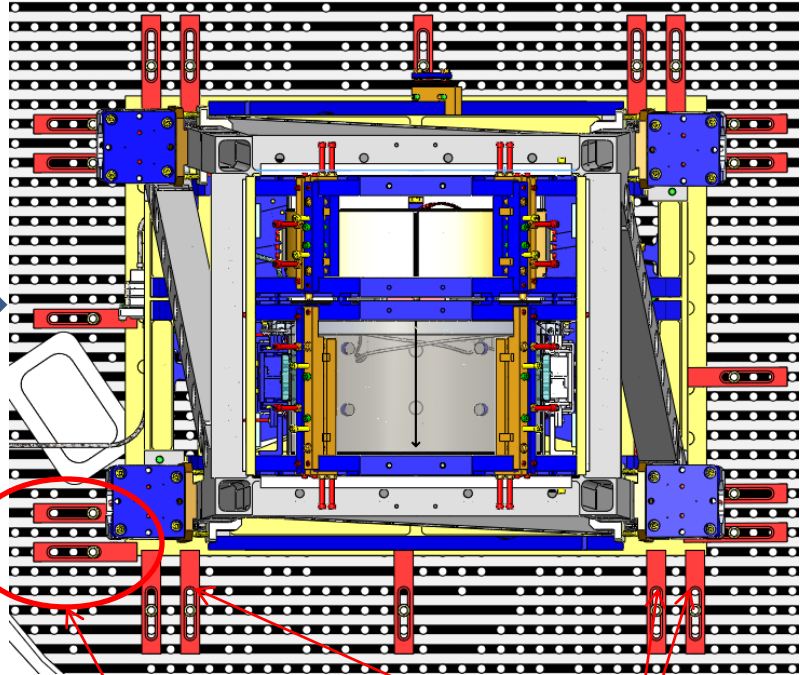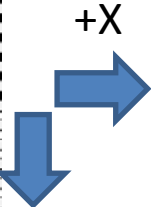
X = -200.0 mm
Y = 403.1 mm
Z = -80.0 mm

PROPOSED COORDINATES:

X = -200.0 mm
Y = 395.1 mm
Z = -80.0 mm

"Y" COORDINATE WAS MOVED 8 MM IN THE NEGATIVE DIRECTION

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DOG CLAMPS

EXISTING DOG CLAMPS LAYOUT
(BOTTOM VIEW LOOKING UP)
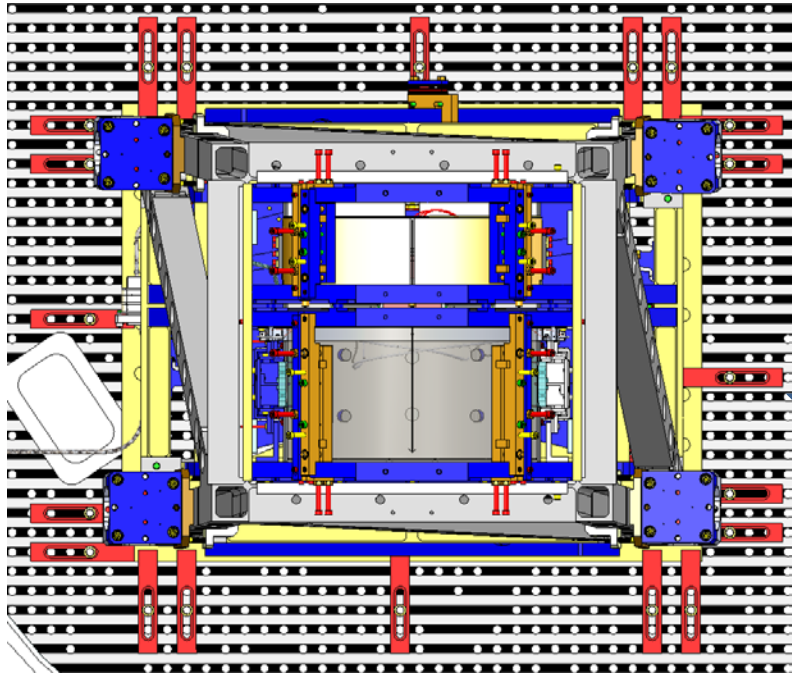
PROPOSED DOG CLAMPS LAYOUT,
QUAD MOVED 8MM IN THE NEGATIVE
"Y" DIRECTION
(BOTTOM VIEW LOOING UP)

+X

+Y

COMMENTS:
MOST OF THE DOG CLAMPS ARE NOT
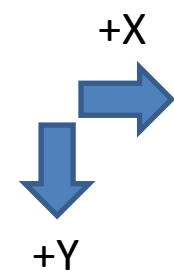AFFECTED BY THE MOVE, EXCEPT THE FIVE
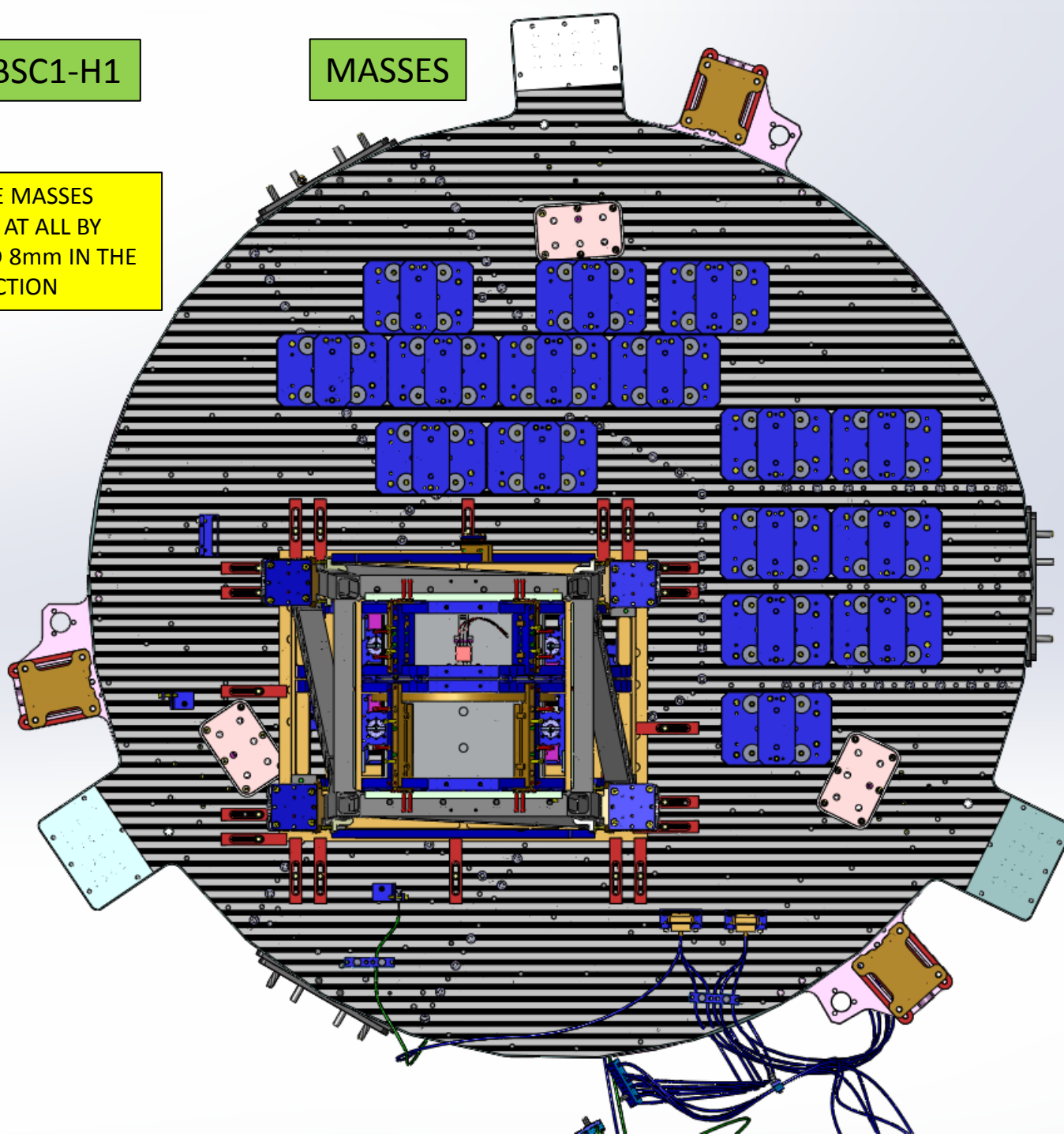YOU SEE IN THE RIGHT PICTURE

THESE TWO DOG CLAMPS
NEED TO BE MOVED ONE
HOLE IN THE NEGATIVE
DIRECTION

THESE 3 DOG CLAMPS NEED
TO HAVE ONLY THE SCREW
MOVED ONE HOLE IN THE
NEGATIVE DIRECTION

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MASSES

THE LAYOUT OF THE MASSES ARE NOT AFFECTED AT ALL BY MOVING THE QUAD 8mm IN THE "Y" NEGATIVE DIRECTION

+X

+Y

```
Mass = 2700.44 kilograms

Volume = 836943214.95 cubic millimeters

Surface area = 105460961.44 square millimeters

Center of mass: ( millimeters )
     X = -1.29
     Y = -2.08
     Z = 136.45
```

```
Mass = 2700.44 kilograms

Volume = 836943214.95 cubic millimeters

Surface area = 105460961.44 square millimeters

Center of mass: ( millimeters )
     X = -1.29
     Y = -3.12
     Z = 136.45
```

THE CG OF THE EXISTING POSITION OF THE QUAD IS GIVING BY :
X = -1.29 mm
Y = -2.08 mm
(FOR THE SUS MASS CONFIG.)

THE CG OF THE PROPOSED POSITION OF THE QUAD IS GIVING BY :
X = -1.29 mm
Y = -3.12 mm
(FOR THE SUS MASS CONFIG.)

```
Mass = 2468.39 kilograms

Volume = 769624405.56 cubic millimeters

Surface area = 97633301.88 square millimeters

Center of mass: ( millimeters )
     X = 17.43
     Y = -22.62
     Z = 256.62
```

```
Mass = 2468.39 kilograms

Volume = 769624405.56 cubic millimeters

Surface area = 97633301.88 square millimeters

Center of mass: ( millimeters )
     X = 17.43
     Y = -23.00
     Z = 256.62
```
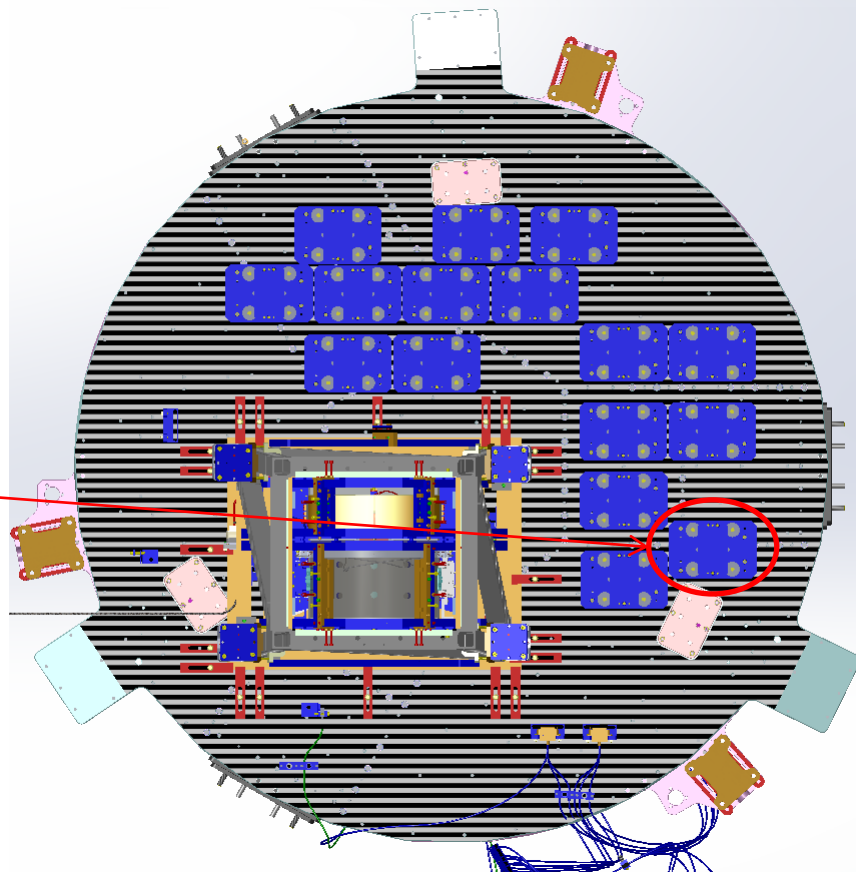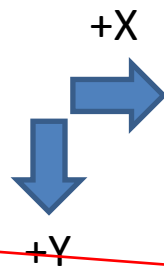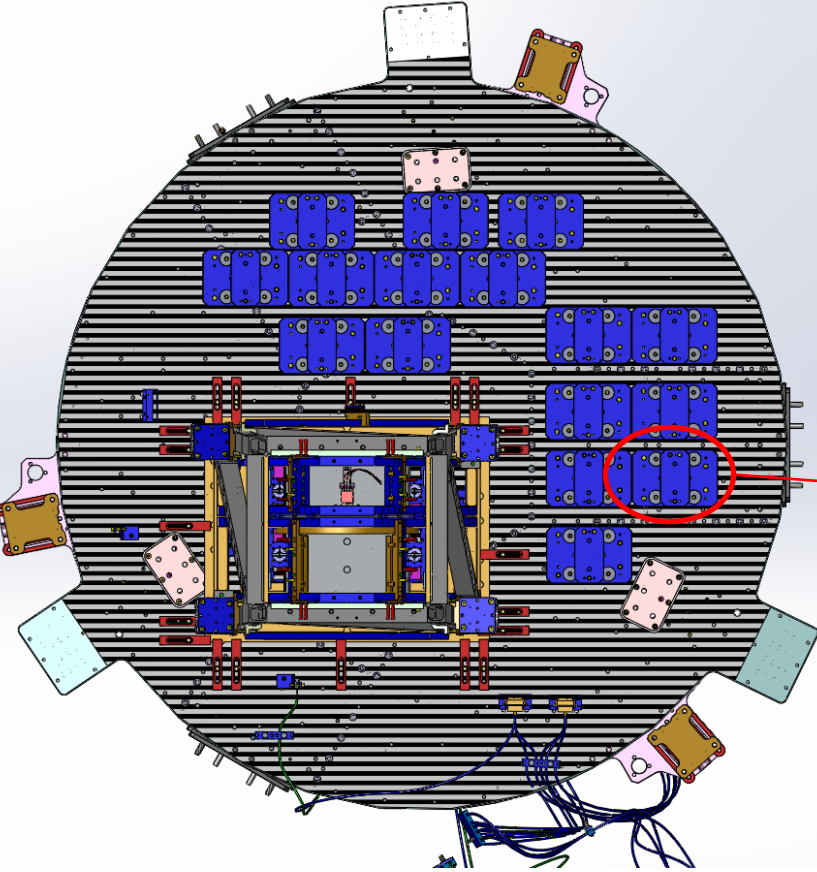
THE CG OF THE EXISTING POSITION OF THE QUAD IS GIVING BY :
Z = 256.62 mm
(FOR THE NON-SUS MASS CONFIG.)

THE CG OF THE PROPOSED POSITION OF THE QUAD IS GIVING BY :
Z = 256.62 mm
(FOR THE NON-SUS MASS CONFIG.)

+X

+Y

Mass = 2700.44 kilograms

Volume = 836943214.95 cubic millimeters

Surface area = 105460961.44 square millimeters

Center of mass: (millimeters)
    X = -1.29
    Y = -2.08
    Z = 136.45

BY MOVING THE CIRCLED MASS
5" IN THE "Y" POSITIVE DIRECTION,
THE CG OF THE PROPOSED POSITION
OF THE QUAD IS GIVING BY :
X = -1.29 mm
Y = -2.11 mm
(FOR THE SUS MASS CONFIG.)
A 'Y' VALUE CLOSE TO THE EXISTING ONE.

Mass = 2700.44 kilograms

Volume = 836943214.95 cubic millimeters

Surface area = 105460961.44 square millimeters

Center of mass: (millimeters)
    X = -1.29
    Y = -2.11
    Z = 136.45