

**CAUTION! • CAUTION! • CAUTION! • CAUTION! • CAUTION!**

# WHOA!!! CAUTION NOT SO FAST



This product is made out of MDF / Supawood and is fragile of nature.

We recommend all pieces to be test fitted and if required contact pieces to be filled / sanded down for a better fit.

**PLEASE DO NOT FORCE FIT ANY PIECES AS IT  
WILL BREAK!**

## **ENJOY BUILDING YOUR NEW MODEL.**

**IT IS RECOMMENDED TO GO THROUGH ALL THE PAGES AND SEE / UNDERSTAND EACH STEP BEFORE  
STARTING THE ASSEMBLY.**

**FULL QUALITY IMAGES AVAILABLE AT [WWW.WOWWE.CO.ZA](http://WWW.WOWWE.CO.ZA), IT WILL ASSIST WITH THE ASSEMBLY,  
THERE IS A DOWNLOADABLE LINK AS WELL OF THIS ASSEMBLY GUIDE.**

### **Tips / Recommendations:**

- *Use alcohol wipes to clean / remove all the laser burn marks prior to assembly.*
  - *Use normal wood glue for the assembly.*
- *Seal the model post completion with any clear wood sealer or paint, this will ensure the preservation of your new model for years to come.*
  - *We recommend chalk paint.*
- *Remember this is wood, if you break something you can always just glue it back.*



# 3D WOODEN MODEL

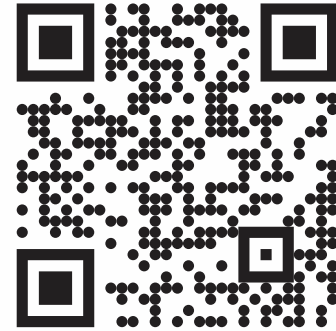
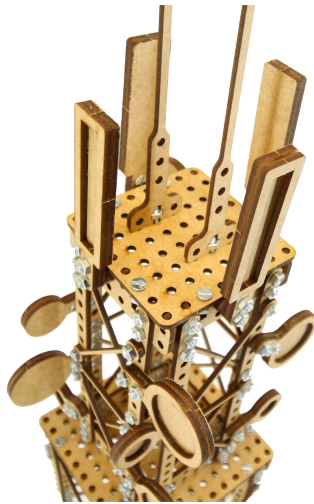
SCHOOL

PROJECT

KITS



YouTube Instructions



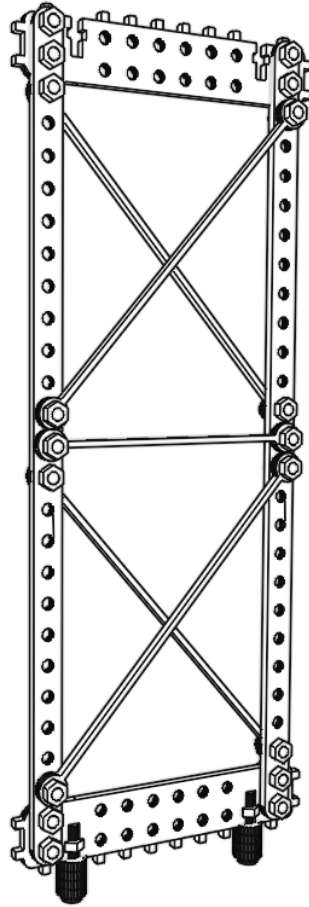
www.wowwe.co.za

## School Project : **Cell Tower** Assembly Guide

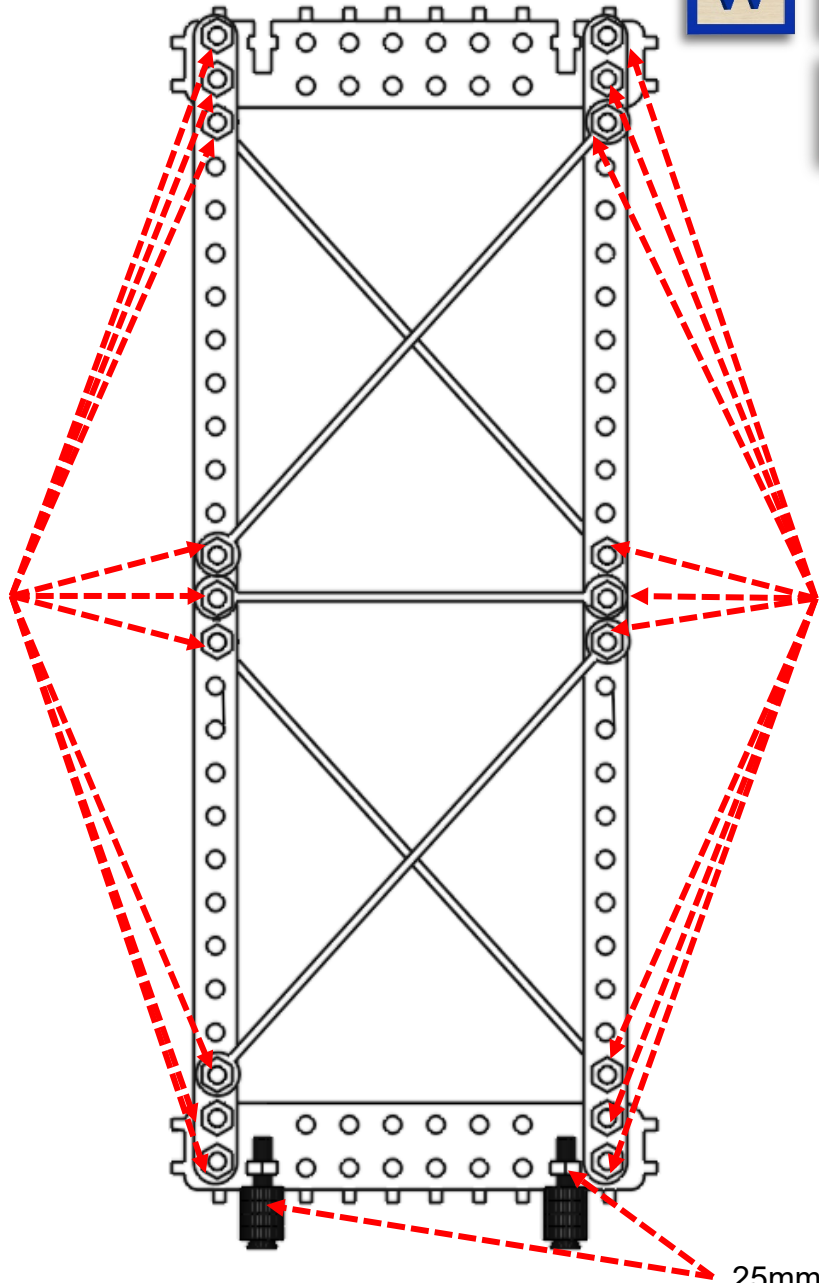
# ASSEMBLY 01 – Main Structure Sides x 2



| BOLTS   |       |      |      |       |                                                                                   |
|---------|-------|------|------|-------|-----------------------------------------------------------------------------------|
| Part    | Items | X    | Y    | Z     | Schematic                                                                         |
| M4_Bx12 | 194   | 7 mm | 7 mm | 12 mm |  |
| M4_Bx16 | 12    | 7 mm | 7 mm | 16 mm |  |
| M4_Bx25 | 4     | 7 mm | 7 mm | 25 mm |  |
| M4_HN   | 210   | 7 mm | 8 mm | 3 mm  |  |



12mm, HN x 9



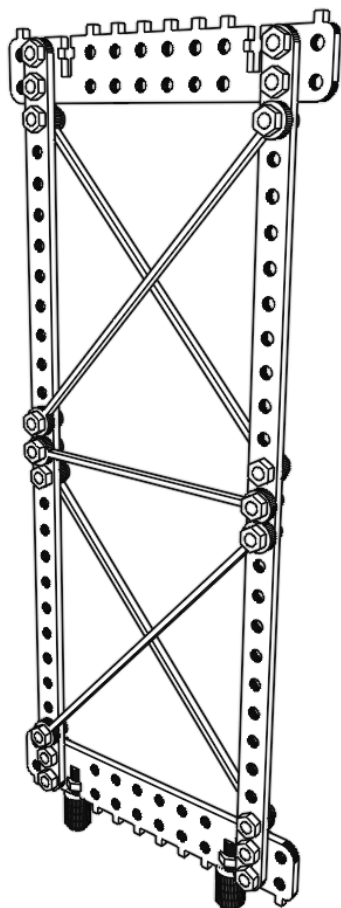
12mm, HN x 9

25mm, HN x 2

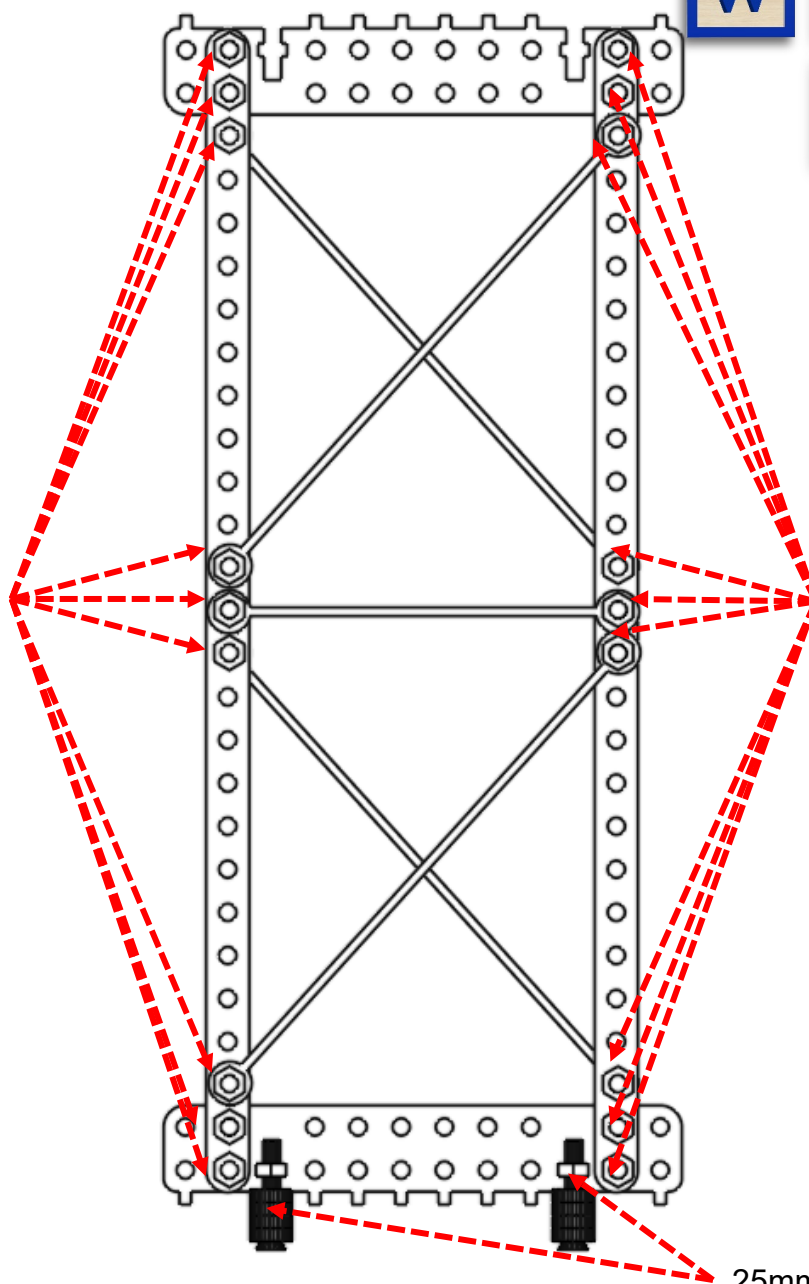
# ASSEMBLY 02 – Main Structure Sides x 2



| BOLTS   |       |      |      |       |           |
|---------|-------|------|------|-------|-----------|
| Part    | Items | X    | Y    | Z     | Schematic |
| M4_Bx12 | 194   | 7 mm | 7 mm | 12 mm |           |
| M4_Bx16 | 12    | 7 mm | 7 mm | 16 mm |           |
| M4_Bx25 | 4     | 7 mm | 7 mm | 25 mm |           |
| M4_HN   | 210   | 7 mm | 8 mm | 3 mm  |           |



12mm, HN x 9



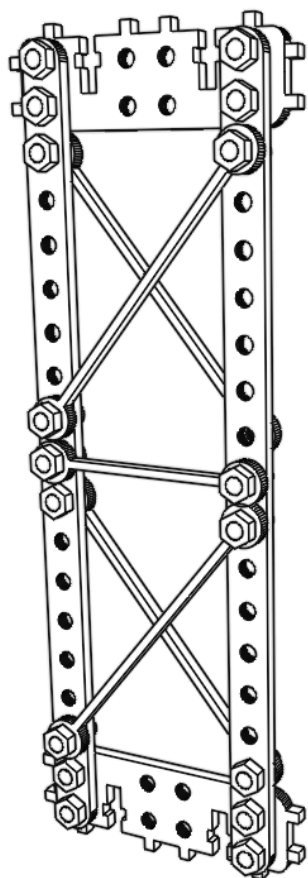
12mm, HN x 9

25mm, HN x 2

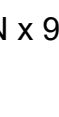
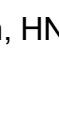
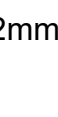
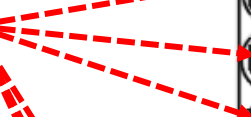
# ASSEMBLY 03 – Top Structure Sides x 2



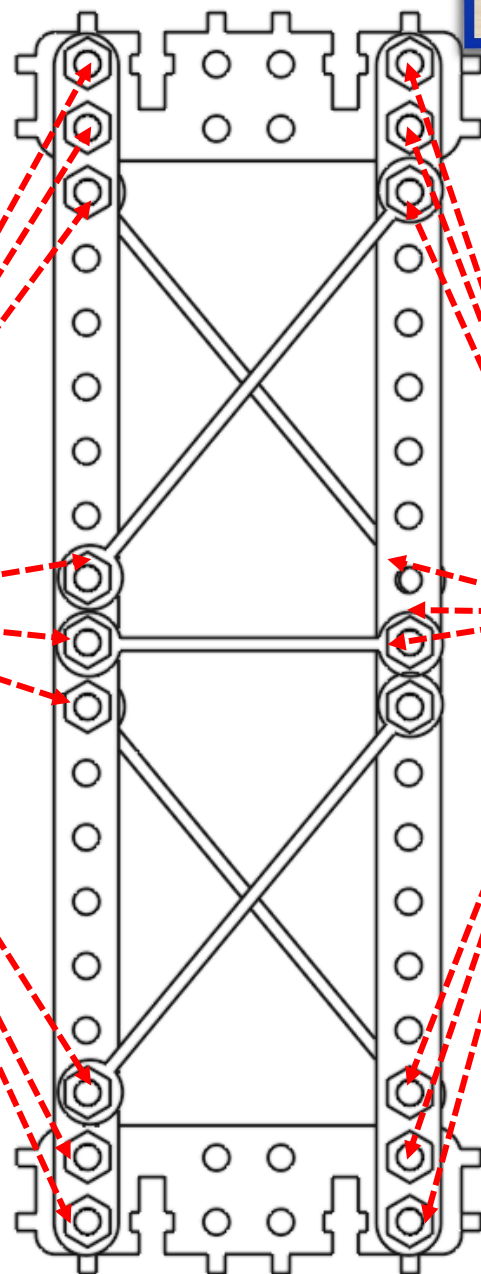
| BOLTS   |       |      |      |       |           |
|---------|-------|------|------|-------|-----------|
| Part    | Items | X    | Y    | Z     | Schematic |
| M4_Bx12 | 194   | 7 mm | 7 mm | 12 mm |           |
| M4_Bx16 | 12    | 7 mm | 7 mm | 16 mm |           |
| M4_Bx25 | 4     | 7 mm | 7 mm | 25 mm |           |
| M4_HN   | 210   | 7 mm | 8 mm | 3 mm  |           |



12mm, HN x 9



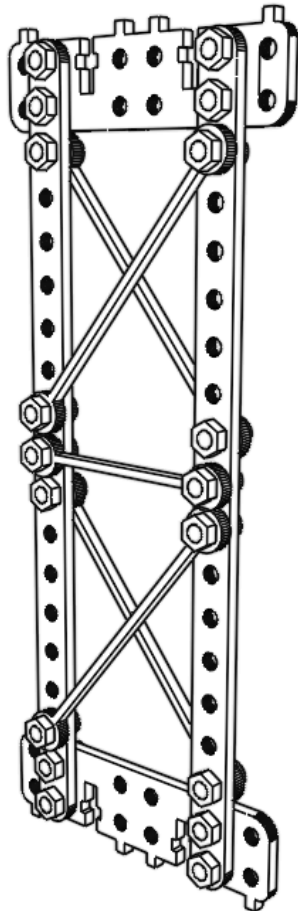
12mm, HN x 9



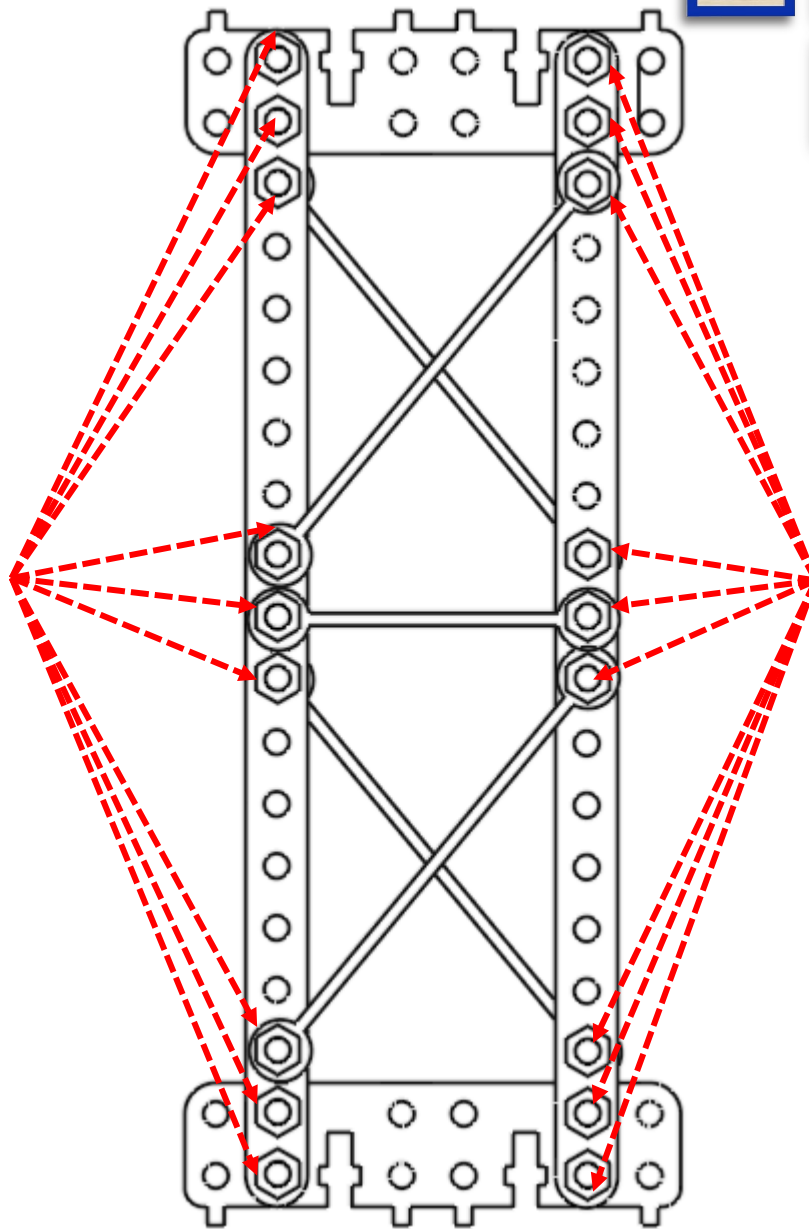
# ASSEMBLY 04 – Top Structure Sides x 2



| BOLTS   |       |      |      |       |                                                                                   |
|---------|-------|------|------|-------|-----------------------------------------------------------------------------------|
| Part    | Items | X    | Y    | Z     | Schematic                                                                         |
| M4_Bx12 | 194   | 7 mm | 7 mm | 12 mm |  |
| M4_Bx16 | 12    | 7 mm | 7 mm | 16 mm |  |
| M4_Bx25 | 4     | 7 mm | 7 mm | 25 mm |  |
| M4_HN   | 210   | 7 mm | 8 mm | 3 mm  |  |



12mm, HN x 9

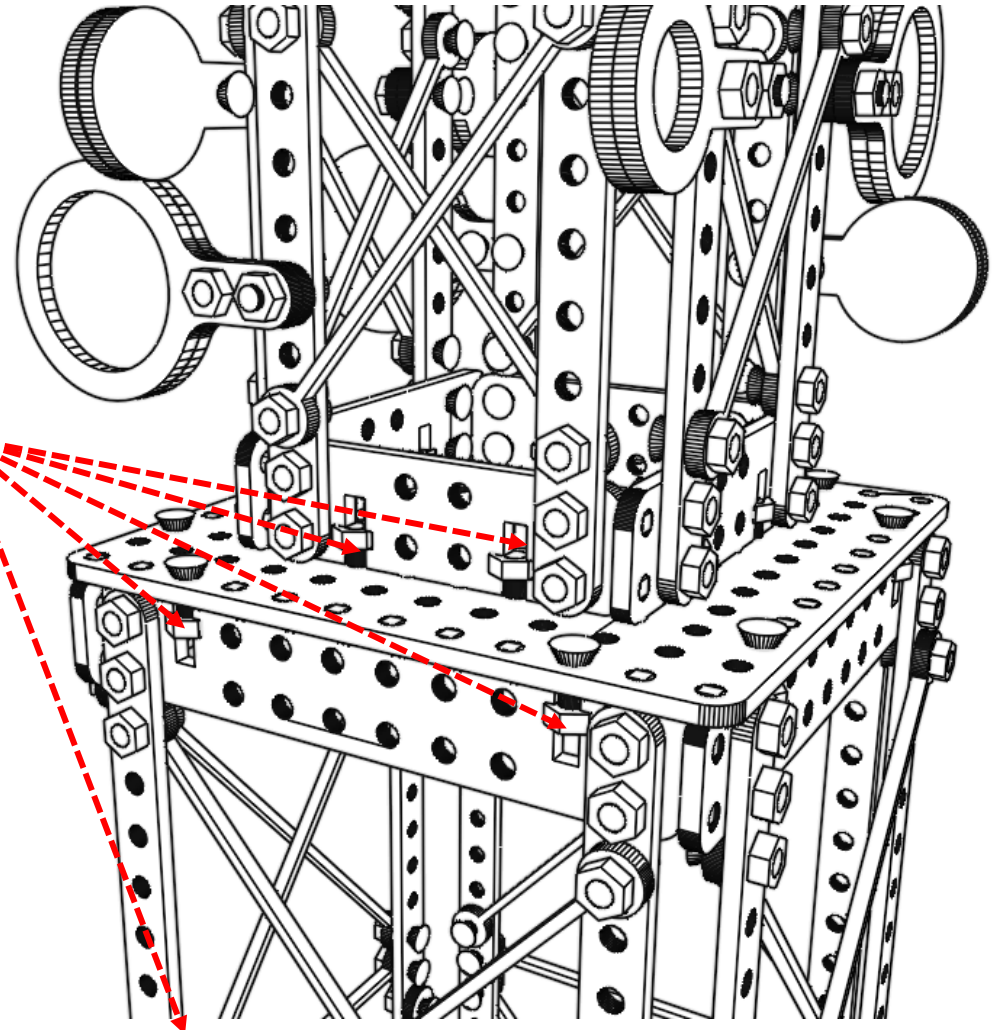


12mm, HN x 9

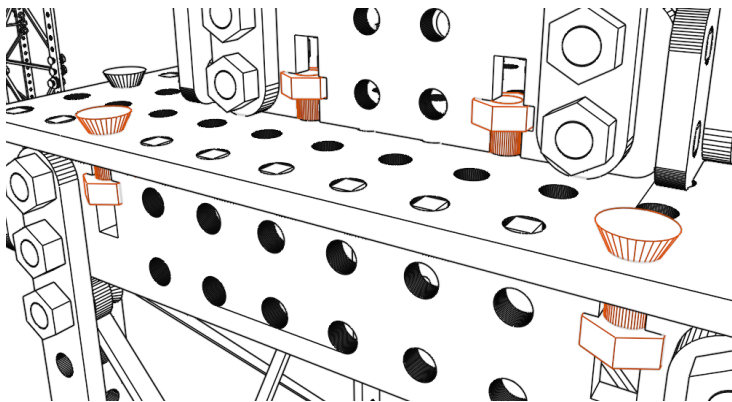
# ASSEMBLY 06 – Sides Onto Bases - Top



| BOLTS   |       |      |      |       |           |
|---------|-------|------|------|-------|-----------|
| Part    | Items | X    | Y    | Z     | Schematic |
| M4_Bx12 | 194   | 7 mm | 7 mm | 12 mm |           |
| M4_Bx16 | 12    | 7 mm | 7 mm | 16 mm |           |
| M4_Bx25 | 4     | 7 mm | 7 mm | 25 mm |           |
| M4_HN   | 210   | 7 mm | 8 mm | 3 mm  |           |



12mm, HN x 16



# ASSEMBLY 08 – Accessories

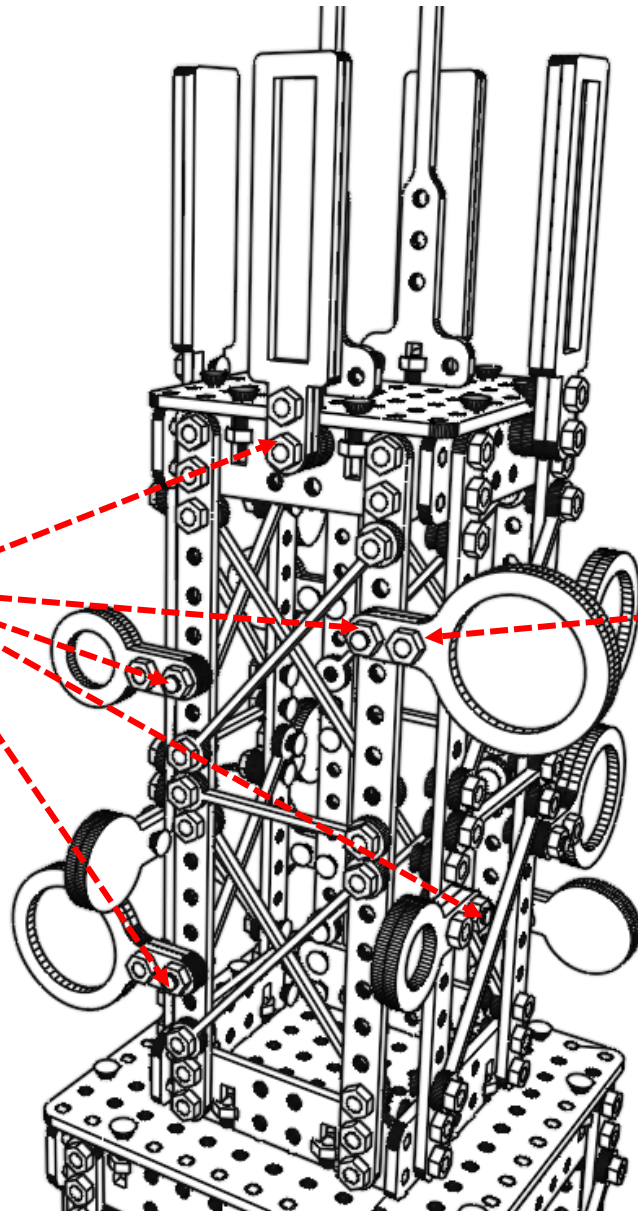
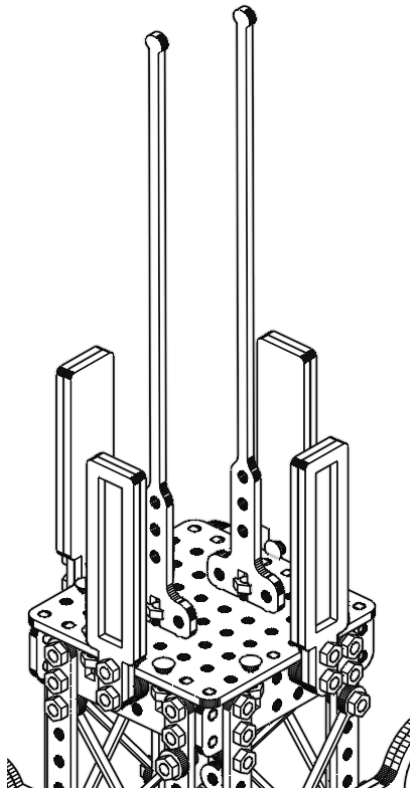


## BOLTS

| Part    | Items | X    | Y    | Z     | Schematic                                                                         |
|---------|-------|------|------|-------|-----------------------------------------------------------------------------------|
| M4_Bx12 | 194   | 7 mm | 7 mm | 12 mm |  |
| M4_Bx16 | 12    | 7 mm | 7 mm | 16 mm |  |
| M4_Bx25 | 4     | 7 mm | 7 mm | 25 mm |  |
| M4_HN   | 210   | 7 mm | 8 mm | 3 mm  |  |

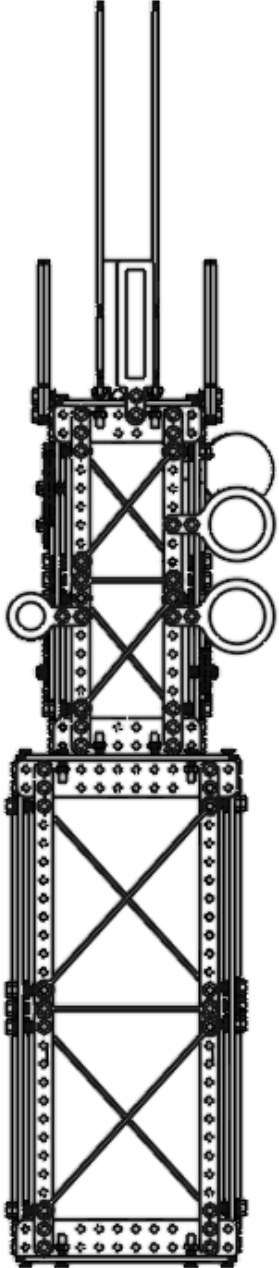
16mm, HN  
To mount onto frame

12mm, HN  
To fix the parts together

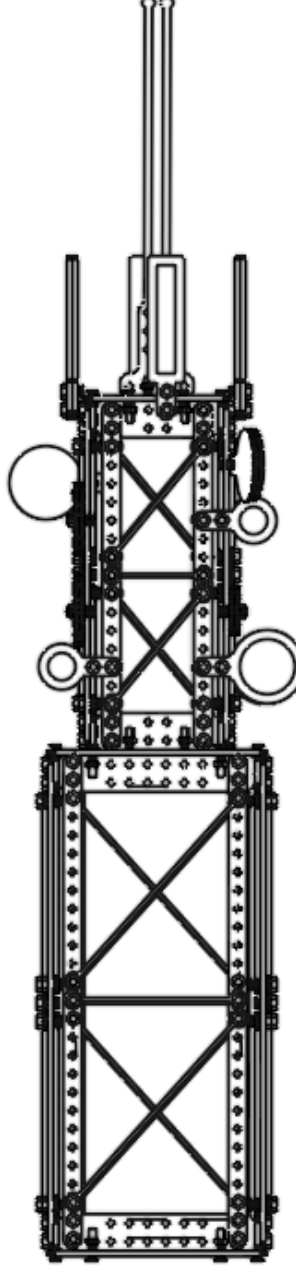


# VIEWS

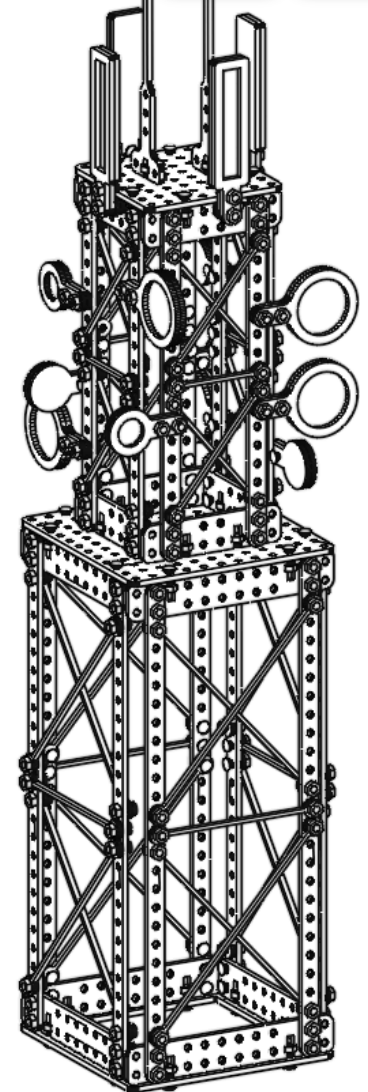
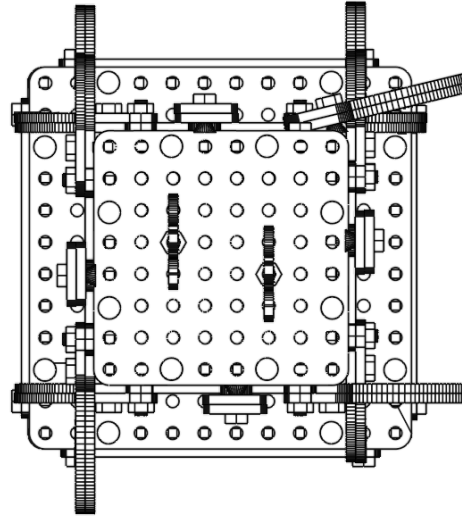
**Front View**



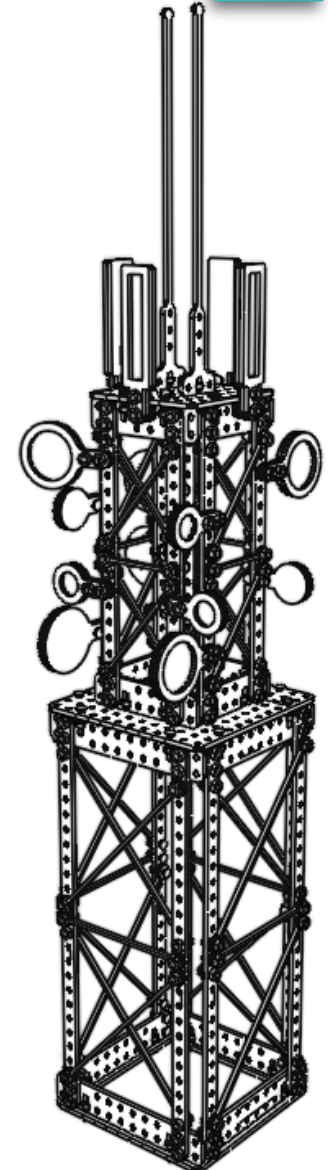
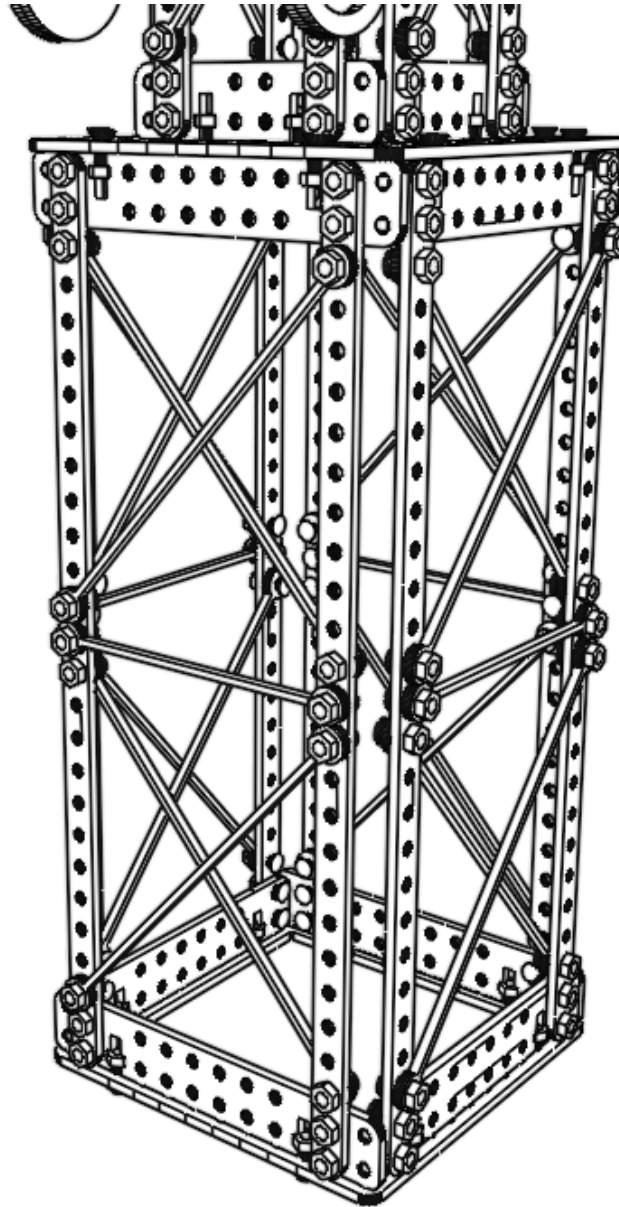
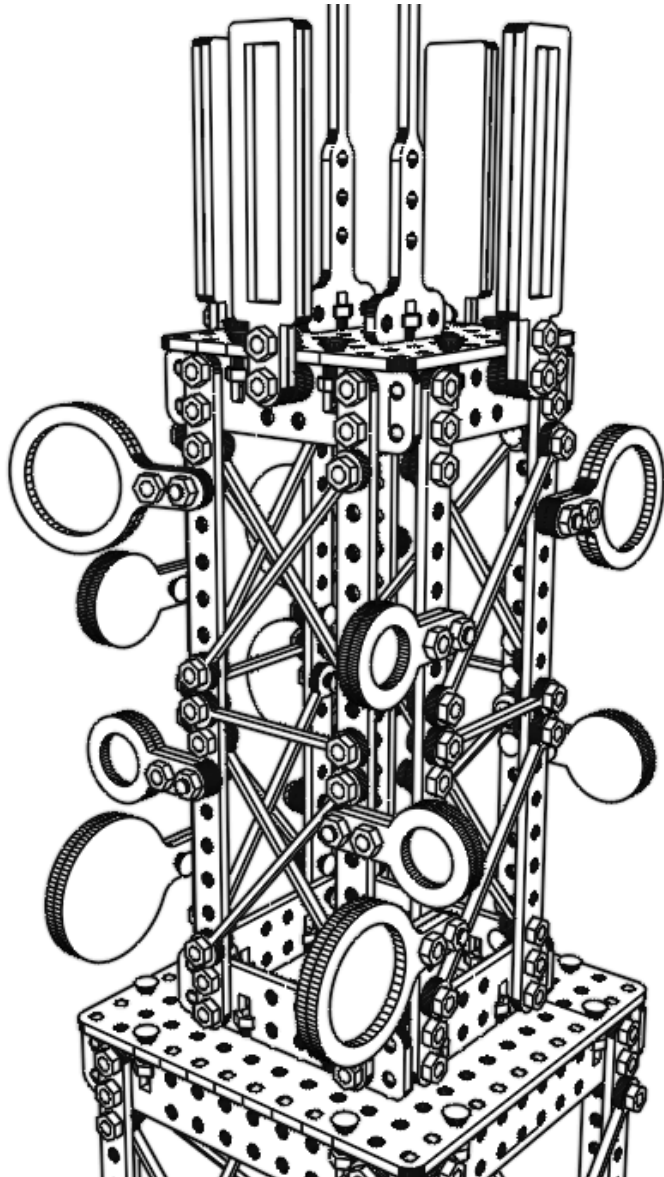
**Side View**



**Top View**



# 3D Views



# Parts List



149 Parts  
210 Nuts  
210 Bolts

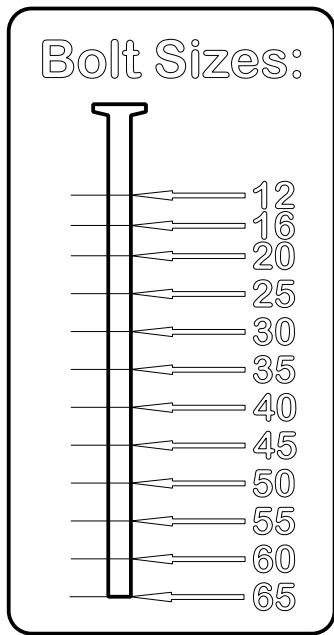
| Bottom Structure |       |        |        |      |           |
|------------------|-------|--------|--------|------|-----------|
| Part             | Items | X      | Y      | Z    | Schematic |
| BB_Base_120x120  | 1     | 120 mm | 120 mm | 3 mm |           |
| BB_HC_23x112     | 4     | 112 mm | 23 mm  | 3 mm |           |
| BB_HC_23x120     | 4     | 23 mm  | 120 mm | 3 mm |           |
| BB_01x27         | 8     | 10 mm  | 270 mm | 3 mm |           |
| BB_Strut_100     | 4     | 100 mm | 10 mm  | 3 mm |           |
| BB_Strut_144     | 16    | 145 mm | 10 mm  | 3 mm |           |
| BB_Rim_120x120   | 1     | 120 mm | 120 mm | 3 mm |           |

| Accessories    |       |        |       |      |           |
|----------------|-------|--------|-------|------|-----------|
| Part           | Items | X      | Y     | Z    | Schematic |
| BB_SDish_01    | 6     | 60 mm  | 40 mm | 3 mm |           |
| BB_SDish_02    | 6     | 60 mm  | 40 mm | 3 mm |           |
| BB_SDish_03    | 6     | 45 mm  | 25 mm | 3 mm |           |
| BB_SDish_04    | 6     | 45 mm  | 25 mm | 3 mm |           |
| BB_Receiver_01 | 4     | 89 mm  | 20 mm | 3 mm |           |
| BB_Receiver_02 | 4     | 89 mm  | 20 mm | 3 mm |           |
| BB_Aerial_01   | 2     | 220 mm | 30 mm | 3 mm |           |
| BB_01x10       | 40    | 10 mm  | 10 mm | 3 mm |           |

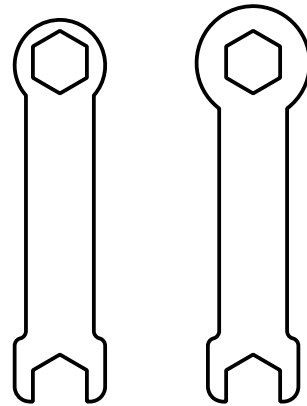
| Top Structure |       |       |        |      |           |
|---------------|-------|-------|--------|------|-----------|
| Part          | Items | X     | Y      | Z    | Schematic |
| BB_Base_80x80 | 1     | 80 mm | 80 mm  | 3 mm |           |
| BB_HC_23x72   | 4     | 23 mm | 72 mm  | 3 mm |           |
| BB_HC_23x80   | 4     | 23 mm | 80 mm  | 3 mm |           |
| BB_01x19      | 8     | 10 mm | 190 mm | 3 mm |           |
| BB_Strut_60   | 4     | 60 mm | 10 mm  | 3 mm |           |
| BB_Strut_88   | 16    | 88 mm | 10 mm  | 3 mm |           |

| BOLTS   |       |      |      |       |           |
|---------|-------|------|------|-------|-----------|
| Part    | Items | X    | Y    | Z     | Schematic |
| M4_Bx12 | 194   | 7 mm | 7 mm | 12 mm |           |
| M4_Bx16 | 12    | 7 mm | 7 mm | 16 mm |           |
| M4_Bx25 | 4     | 7 mm | 7 mm | 25 mm |           |
| M4_HN   | 210   | 7 mm | 8 mm | 3 mm  |           |

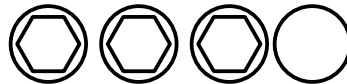
# Tools



**Bolt Sizer**

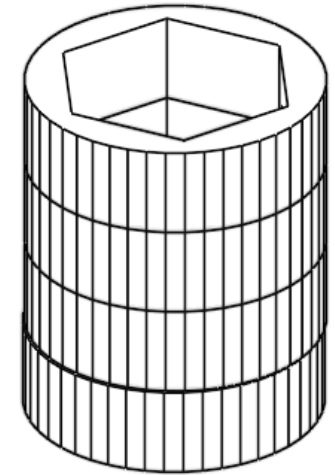
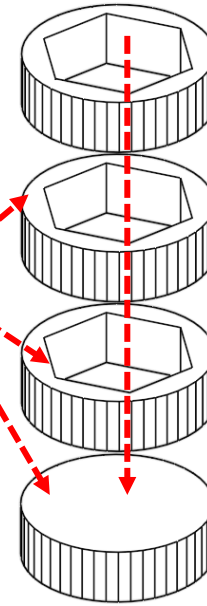


**Spanners**

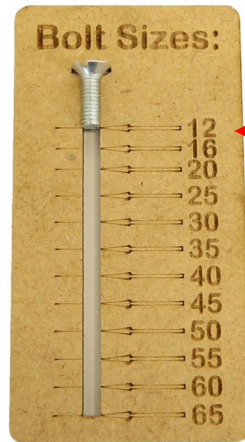
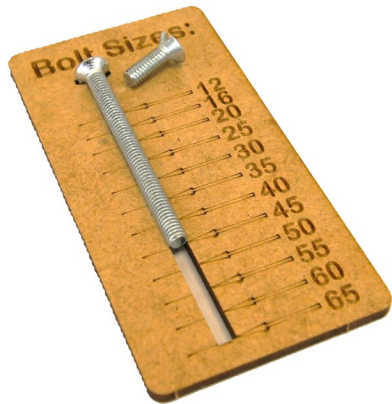


**Socket**

**Glue**



**Socket Assembly**



**12mm**



**45mm**

**How to use :**

**Place the bolt onto the bolts sizer.**

**The number indicates the length.**