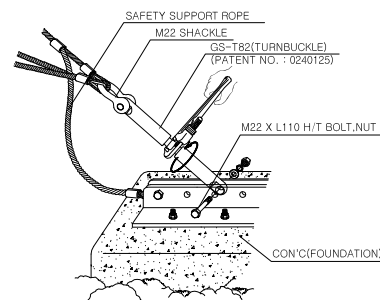


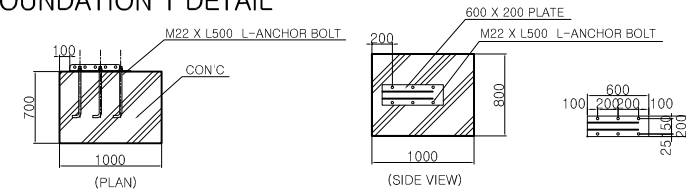
## HEXAGON MAST NET CLIMBER

GS-W6001

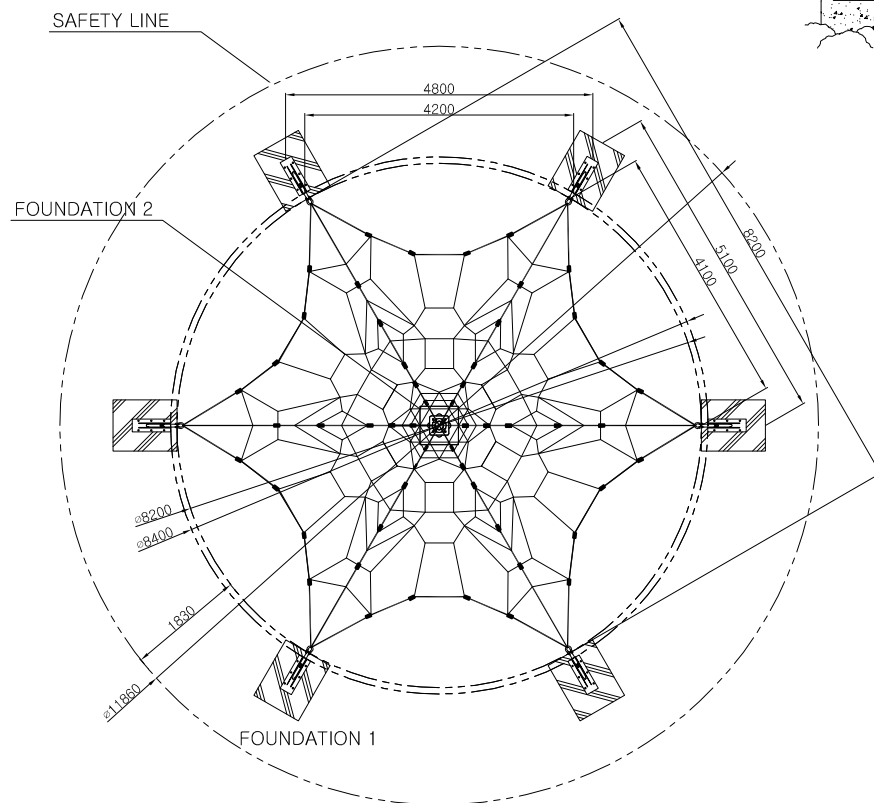
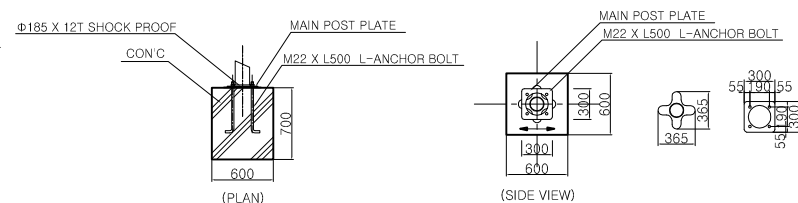
## CONNECTOR DETAIL



### FOUNDATION 1 DETAIL

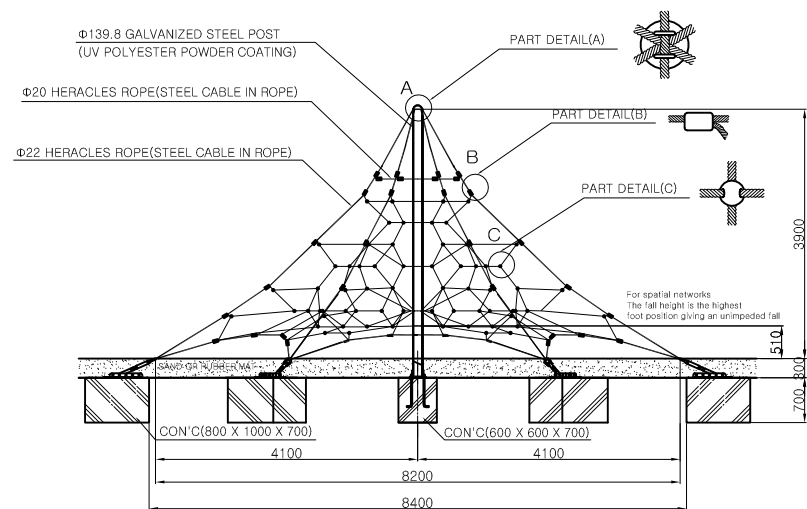


## FOUNDATION 2 DETAIL



## LAYOUT DRAWING

SCALE 1/40



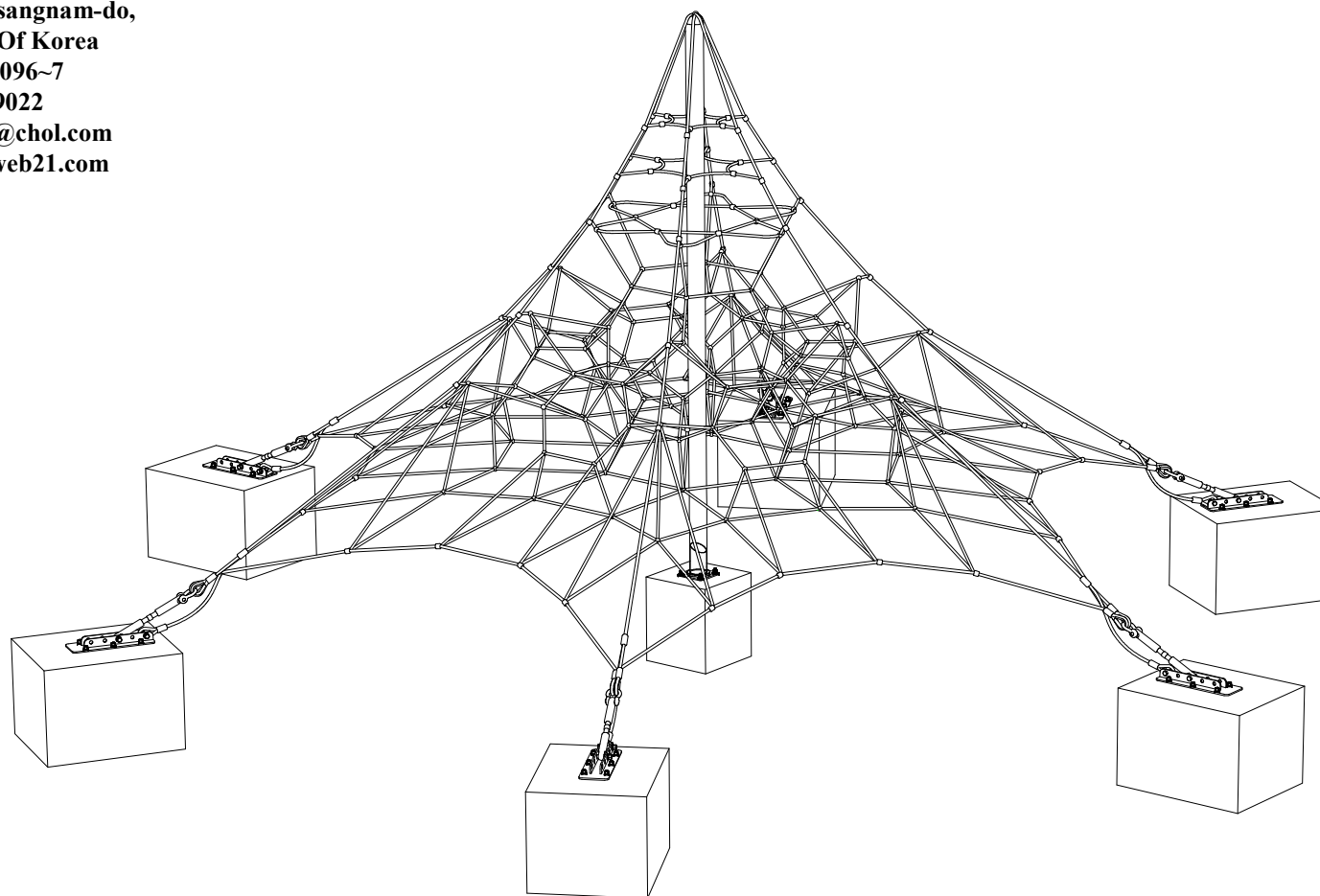
FRONT VIEW

SCALE 1/40

NO.	Name	QTE	Description	Size	Material	Remarks
1	MP139	1	MAIN POST	Φ139.8 X L4200	Galvanized Steel	UV polyester powder coating
2	RC22	1 SET	MULTI COMPOUND ROPE	Φ22, Φ20	Nylon	
3	NCP150	1	PLASTIC POST CAP	Φ150 X H90	MC Nylon	
4	TB50	6 SET	TURN BUCKLE(GS-T82)	Φ50	Galvanized Steel	
5	ACS78	6	ANCHOR SHACKLE	M22	Galvanized Steel	
6	SP185	1	SHOCK PROOF	Φ185 X 12T	Rubber	
			BOLT,NUT			
7	TBHT22	12	H/T BOLTS	M22 X L110		turn buckle assembly
	TBNU22	12	NUTS	M22		
	TBWA22	12	WASHERS	M22		
	TBSW22	12	SPRING WASHERS	M22		
8	PCUB12	1 SET	U-BOLTS	M12	Stainless Steel	post cap assembly
			BASE			
9	MPP	1	MAIN POST PLATE	250 X 250	Galvanized Steel	
10	L-B78	4	L-ANCHOR BOLTS	M22 X L500	Galvanized Steel	
	L-N78	8	NUTS	M22	Galvanized Steel	
	L-SW78	4	SPRING WASHERS	M22	Galvanized Steel	
	L-W78	4	WASHERS	M22	Galvanized Steel	
11	ACP	6	ANCHOR PLATE	600 X 200	Galvanized Steel	
10	L-B78	36	L-ANCHOR BOLTS	M22X L500	Galvanized Steel	
	L-N78	72	NUTS	M22	Galvanized Steel	
	L-SW78	36	SPRING WASHERS	M22	Galvanized Steel	
	L-W78	36	WASHERS	M22	Galvanized Steel	
12		1	TOUCH UP SPRAY			

## **GSWeb Playground Equipment**

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Gimhae-si Gyeongsangnam-do,  
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Tel) +82. 55. 326. 9096~7  
Fax) +82. 55. 326. 9022  
E-mail) gswebinfo@chol.com  
Web site) www.gsweb21.com



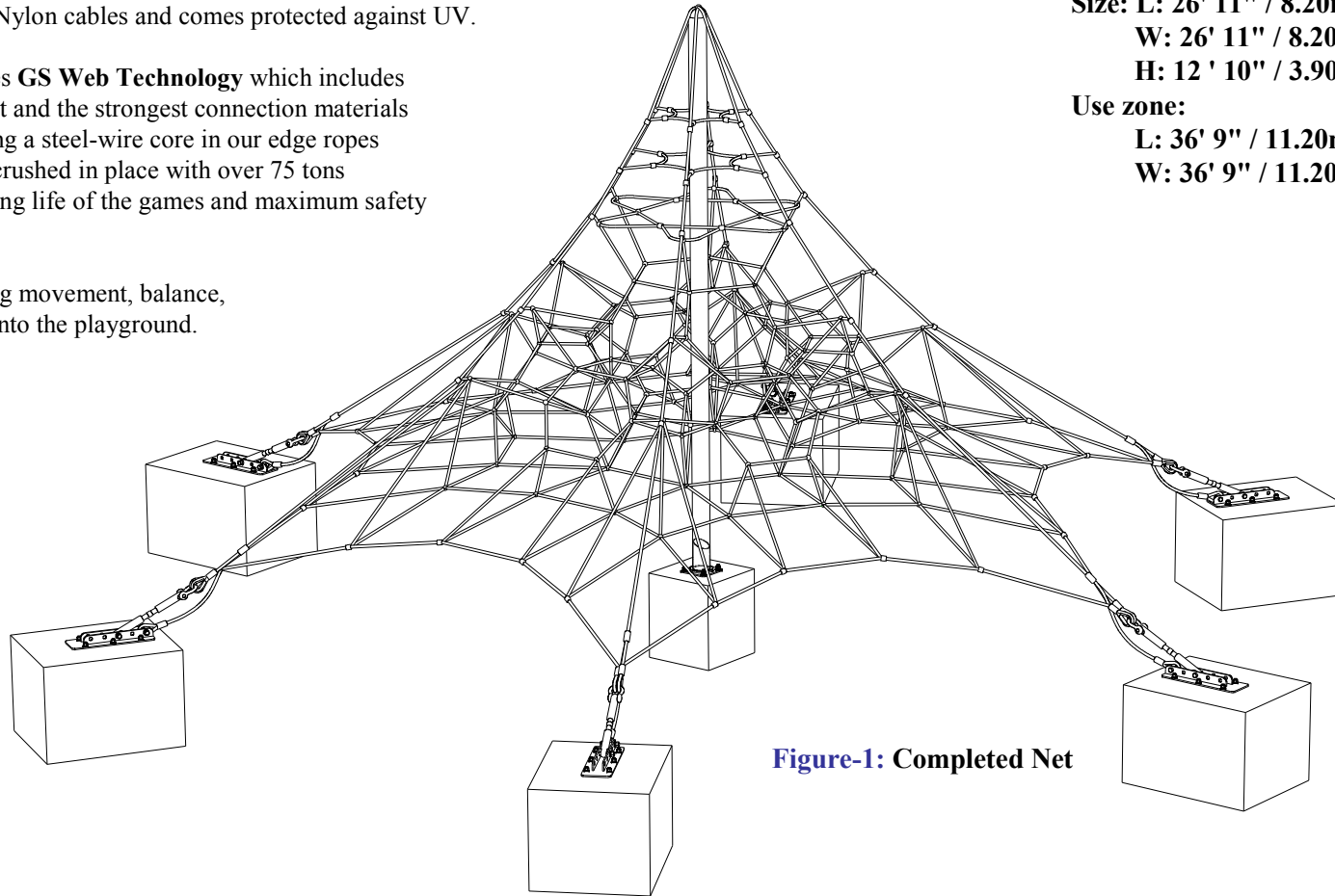
## Features

The series is a six-sided climbing structure made of steel -loaded Nylon cables and comes protected against UV.

The GS-W6001 features **GS Web Technology** which includes the highest steel content and the strongest connection materials in the industry, including a steel-wire core in our edge ropes and connection points crushed in place with over 75 tons of pressure to ensure long life of the games and maximum safety for the children.

GS Web Nets help bring movement, balance, exercise and fun back into the playground.

**Ages: 3 to 8 years**  
**Capacity: 44 children**  
**Size: L: 26' 11" / 8.20m**  
**W: 26' 11" / 8.20m**  
**H: 12' 10" / 3.90m**  
**Use zone:**  
**L: 36' 9" / 11.20m**  
**W: 36' 9" / 11.20m**



**Figure-1: Completed Net**

### Safety area

The requirements for space and safety clearances are taken from  
BS-EN 1176-1/ ASTM-F1487/ CSA Z614

The use zone for stationary play equipment shall extend no less than  
72 in.(1830mm) from all sides of the play structure.

### Fall Height : (a) 4' 11" / 1500mm (from surface)

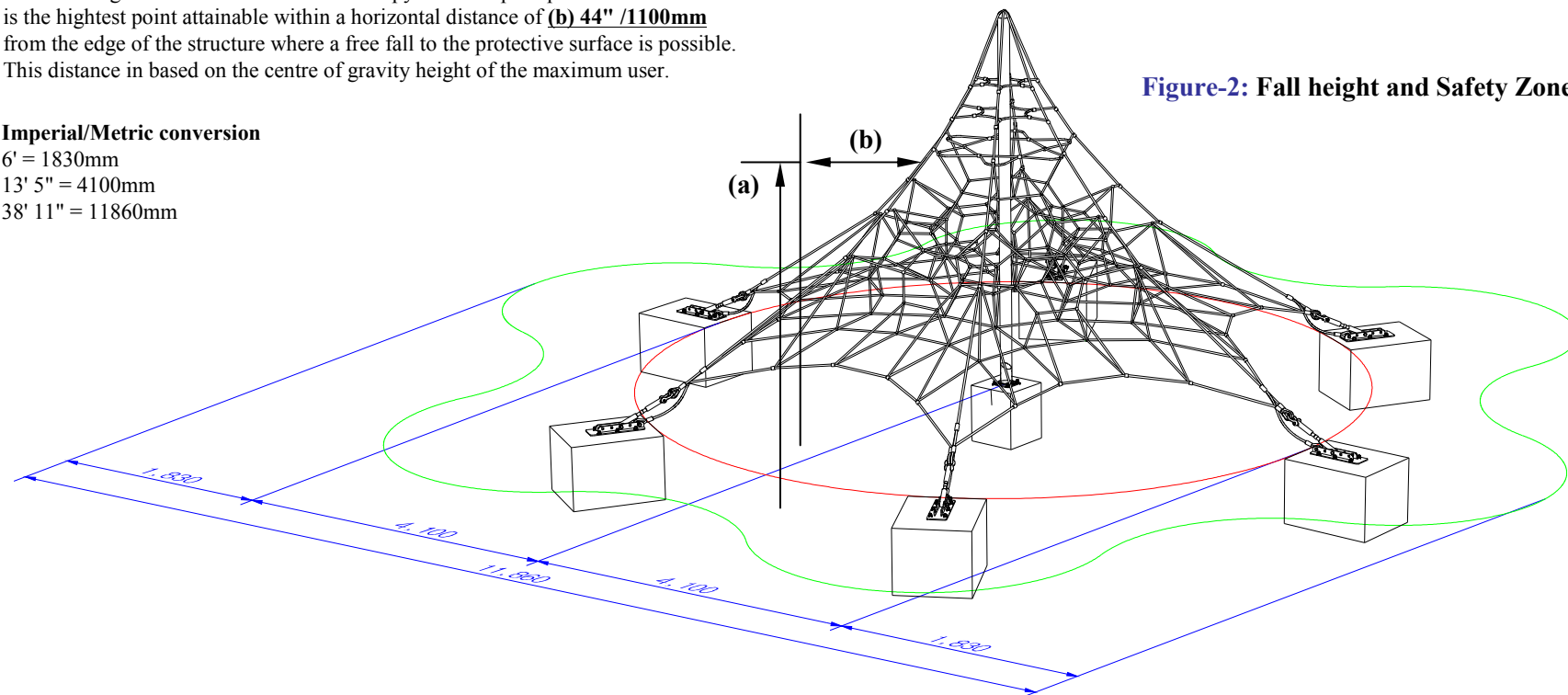
The Fall height on the external surface of a pyramid shaped space net  
is the highest point attainable within a horizontal distance of (b) 44" / 1100mm  
from the edge of the structure where a free fall to the protective surface is possible.  
This distance is based on the centre of gravity height of the maximum user.

### Imperial/Metric conversion

6' = 1830mm

13' 5" = 4100mm

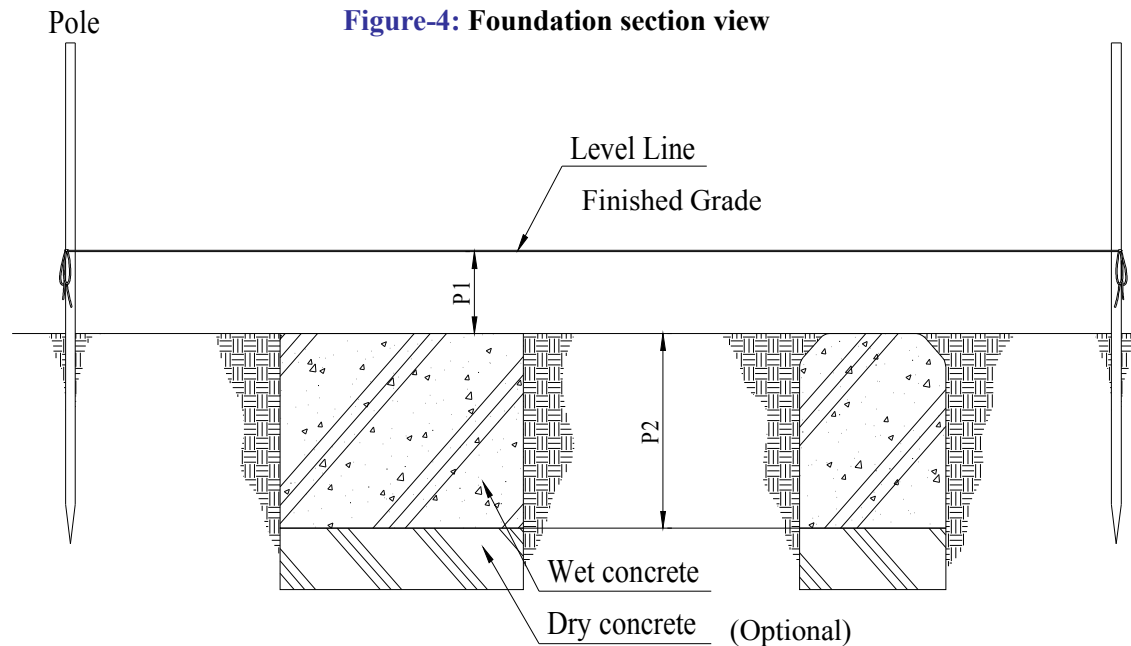
38' 11" = 11860mm



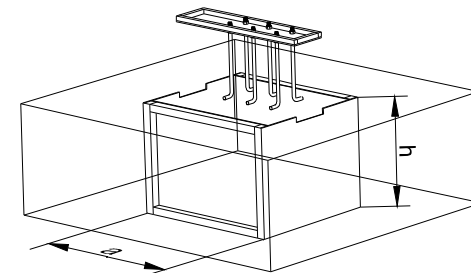
**Figure-2: Fall height and Safety Zone**

## Foundation

Please refer to GS-W6001 drawing for installation dimension



**P1 = Depth below finished Grade (12" / 300mm)**  
**P2 = Depth of concrete footing (27-1/2" / 700mm)**

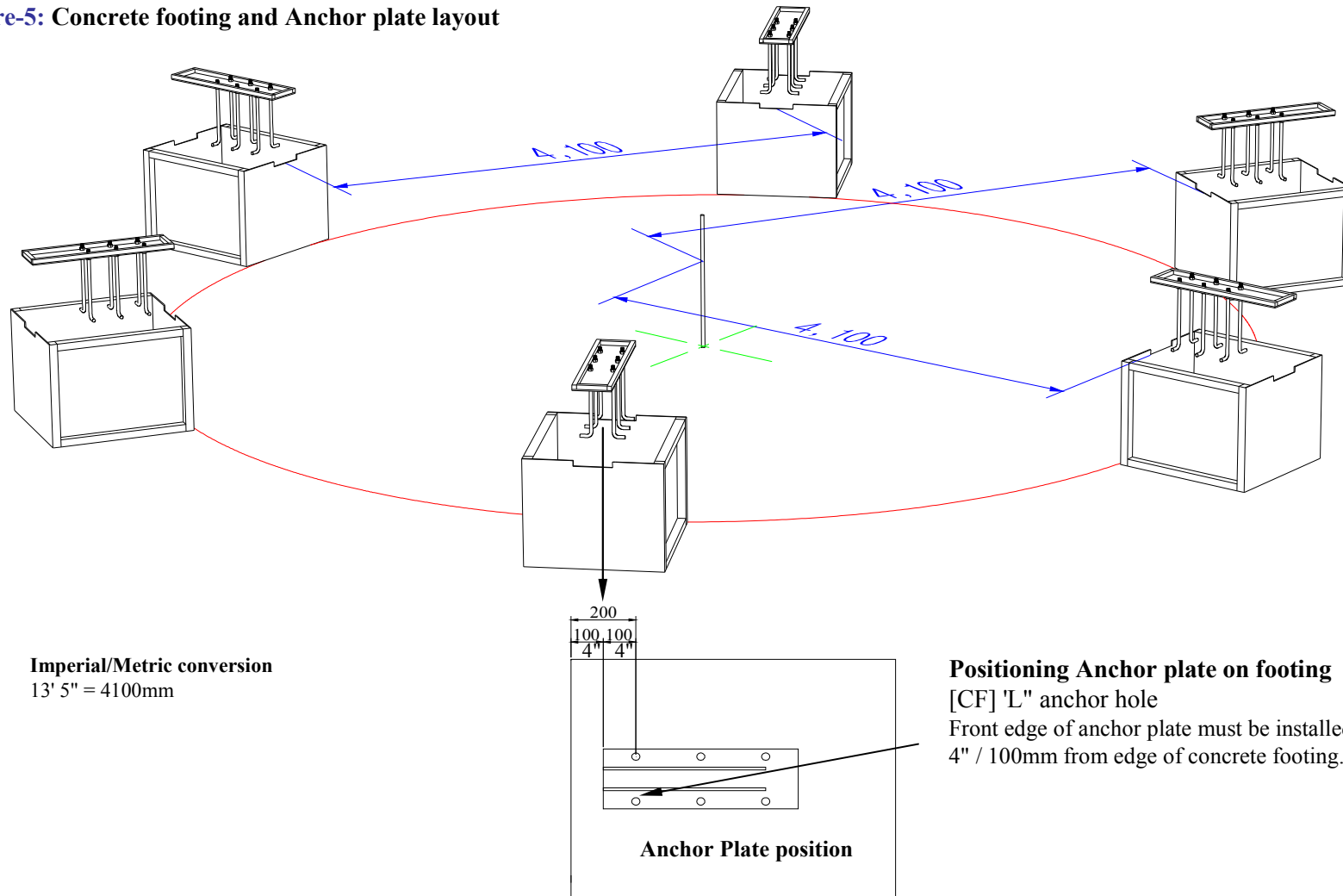


**Figure-3: Excavate enough materials to allow for proper depth of concrete footings**

Also ensure that there is enough space to allow the frame to be positioned properly.

Anchor wood support frame to ground with pickets to prevent the frame from moving while concrete is poured and sets.

**Figure-5: Concrete footing and Anchor plate layout**

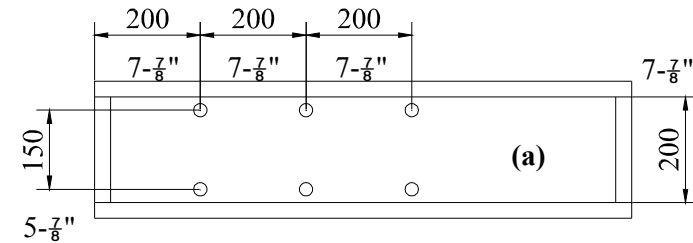


Assemble wooden support frames \*

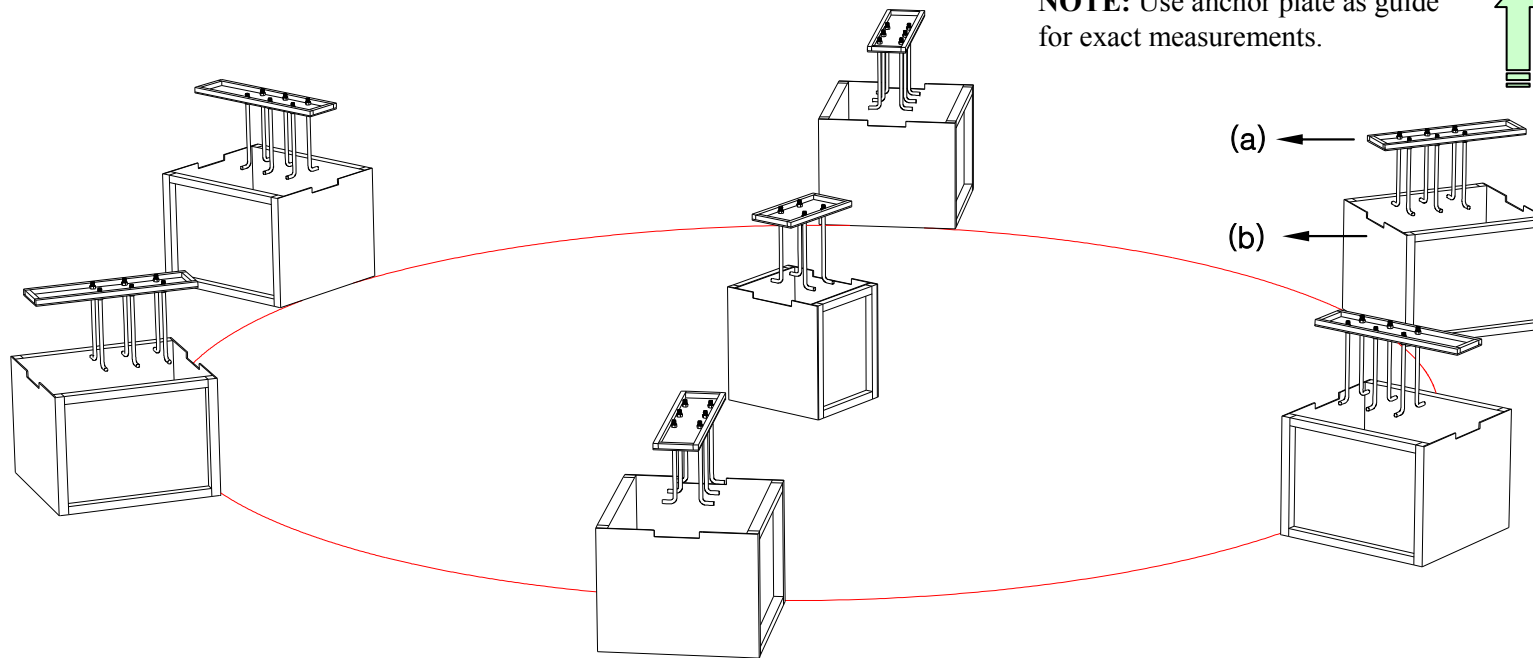
4 frames (39- $\frac{1}{2}$ " / 1000mm L x 31- $\frac{1}{2}$ " / 800mm W x 27- $\frac{1}{2}$ " / 700mm H)

1 frame (24" / 600mm L x 24" / 600mm W x 27- $\frac{1}{2}$ " / 700mm H)

\*Use  $\frac{1}{2}$ " (min) plywood; not included in package



**NOTE:** Use anchor plate as guide for exact measurements.



(a) wood jig for Anchor plate

(b) wood support frame for concrete

**Figure-6: Wood support frame**

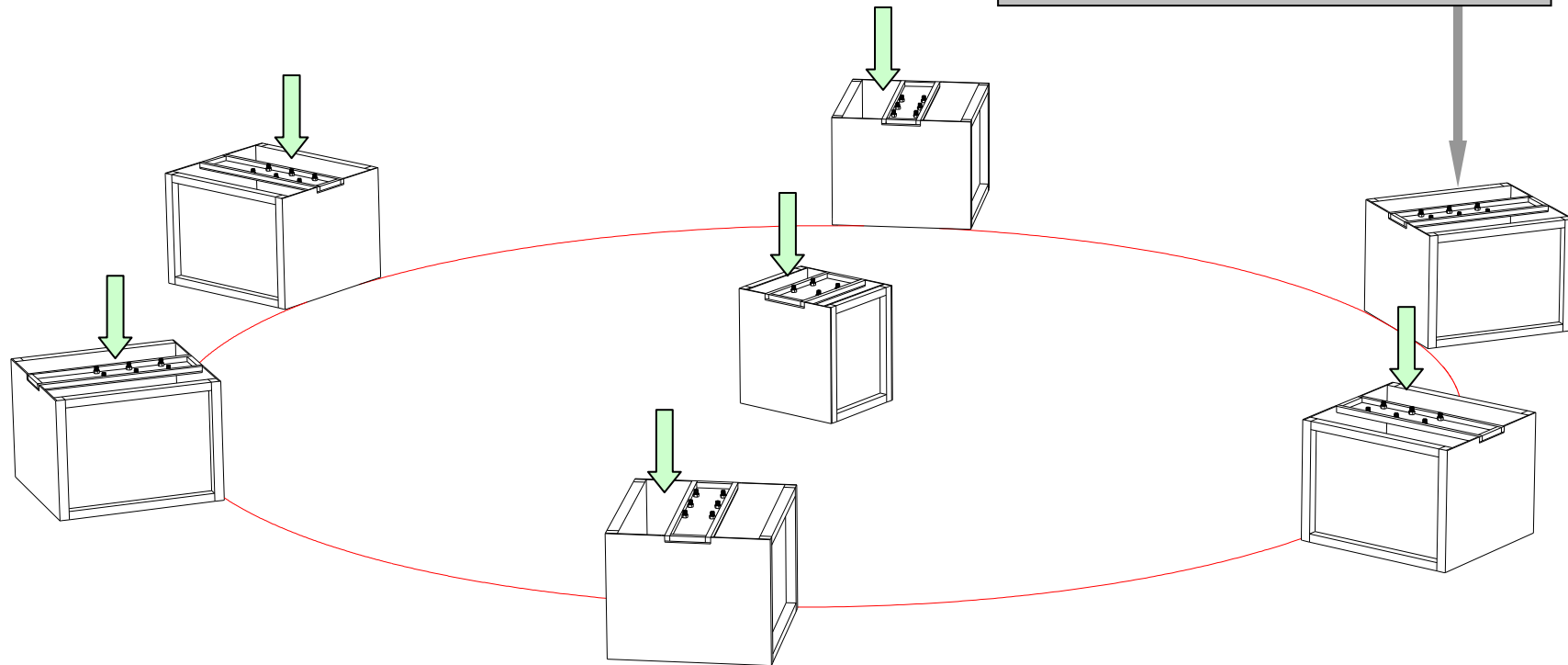


**[Concrete]**

Pour concrete\* into wooden support frame until flush to top edge  
Allow 3-5 days for concrete to cure before proceeding to next step.

\*Concrete is to be wet concrete with minimum 25 MPA.

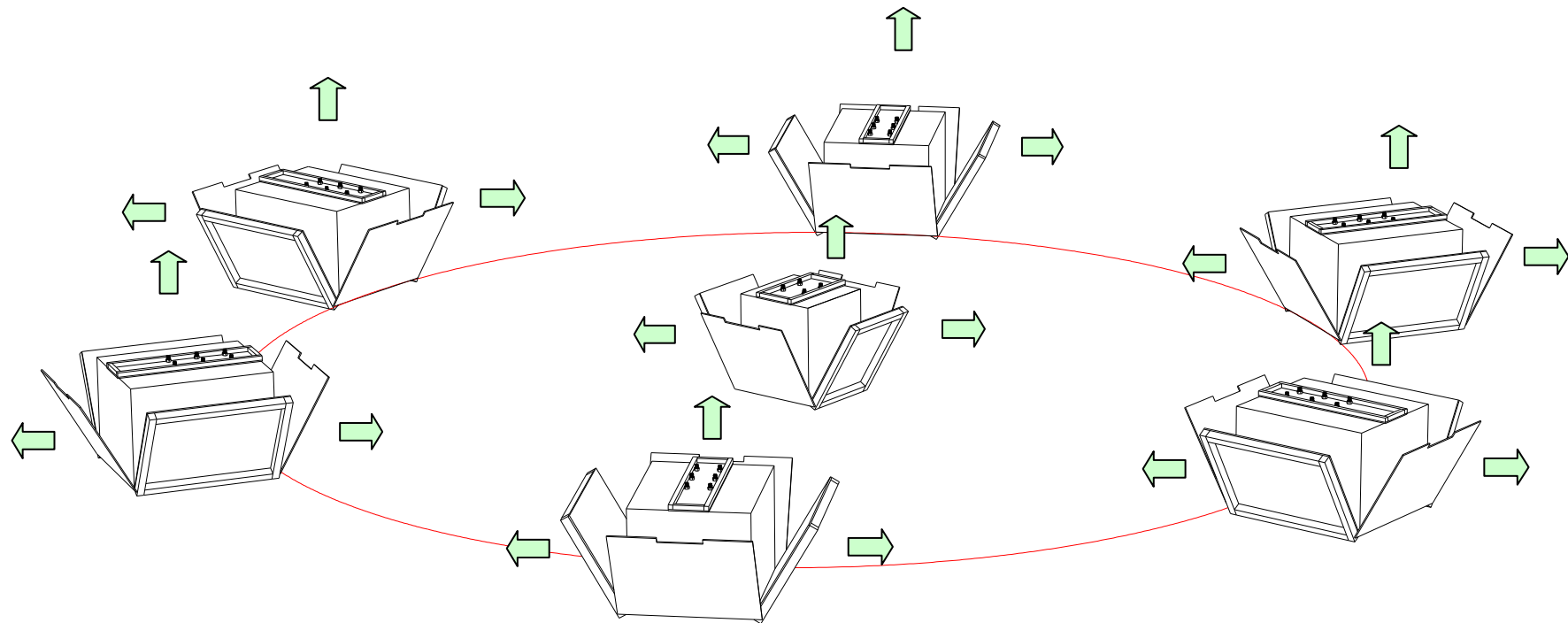
**[concrete footing work]**  
Pour wet concrete in the wooden support frame



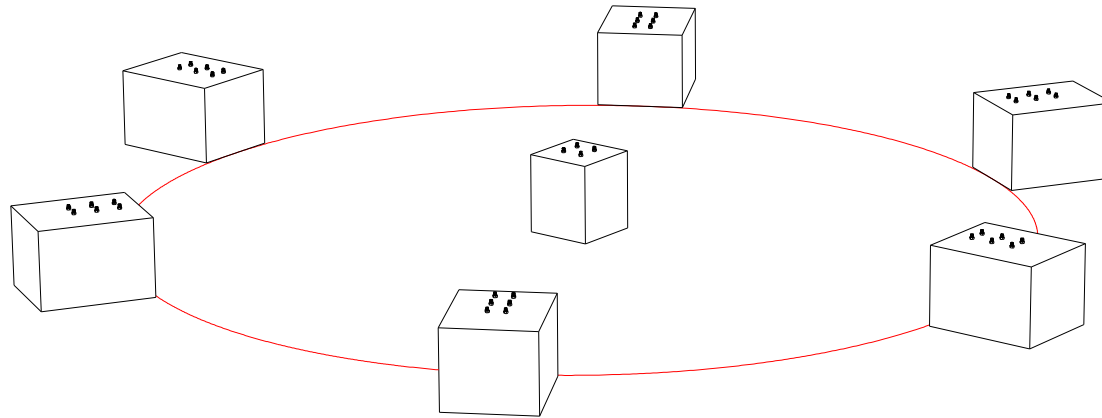
**Figure-7: Concrete footing work**

**Remove wood support frame from dry concrete blocks**

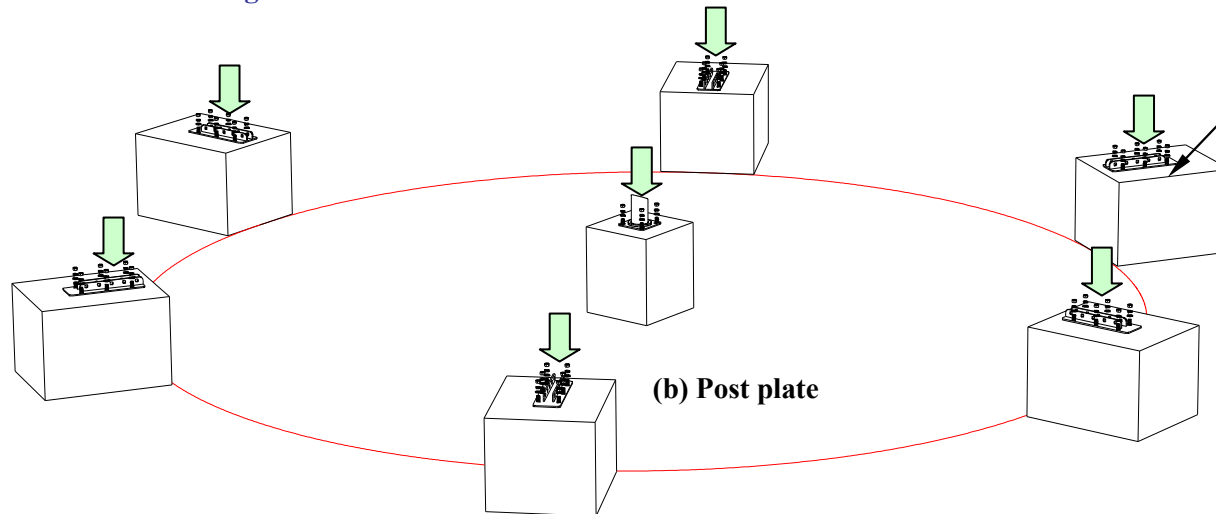
After concrete has cured enough, remove frames and replace soil around footing to subgrade level



**Figure-8: remove wood support frame**



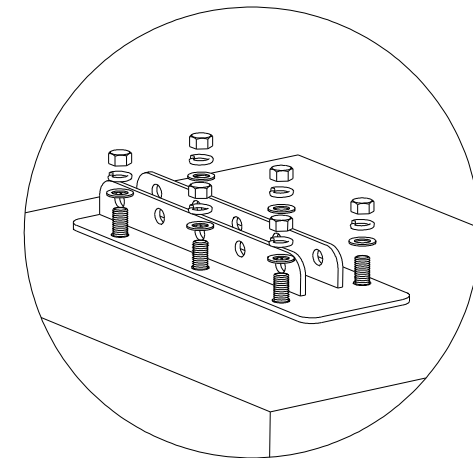
**Figure-9: concreted block - clean threads of "L" anchor bolts**



**(b) Post plate**



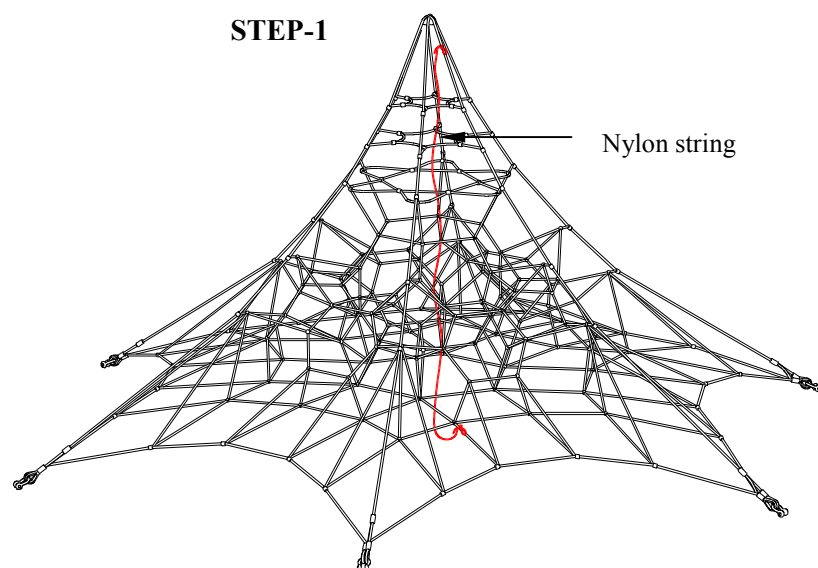
**(a) Anchor Plate**



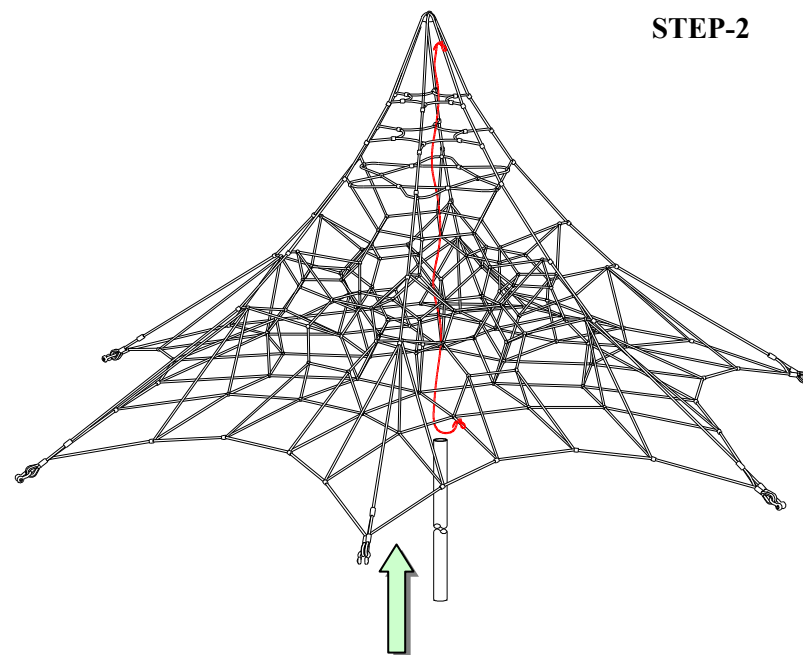
**Figure-10: Attach Anchor plate to footing with flat washer, locking washer and nut.**

**Post Assembly**

Insert Post following nylon string



**Figure-11: Find Nylon String**

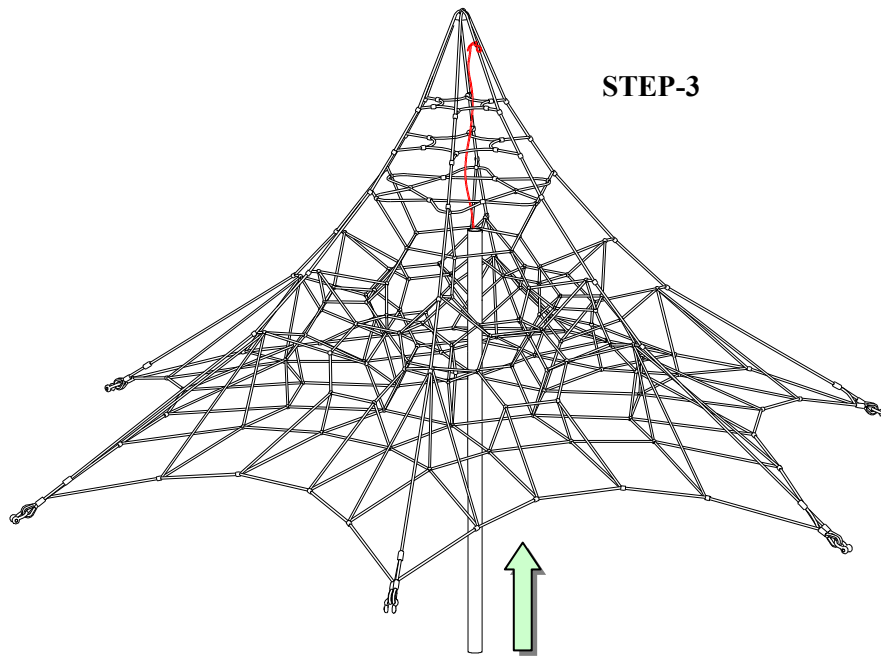


**Figure-12: Insert Post following Nylon string**

### Place Cap on Post

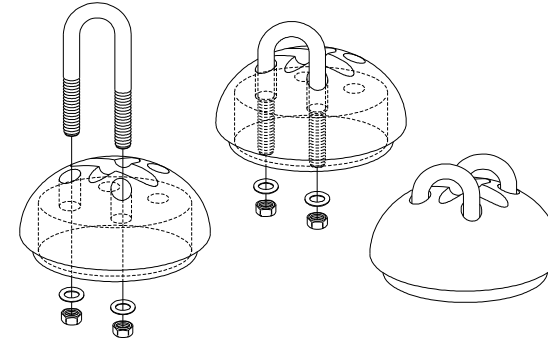
Thread the mast through the net's center (per diagrams below, or following factory-installed guide string)

After inserting post, join main rope with M10 x L25 bolt and M16 Eye bolt on the top plate of post



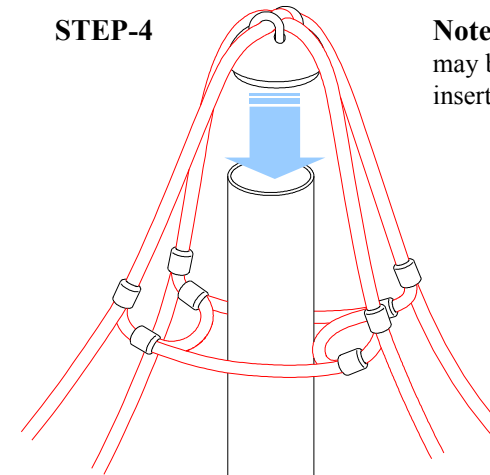
**Figure-13: Insert Post into the Center of Net.**

**STEP-3**



**Figure-14: U-bolt assembly.**

**STEP-4**



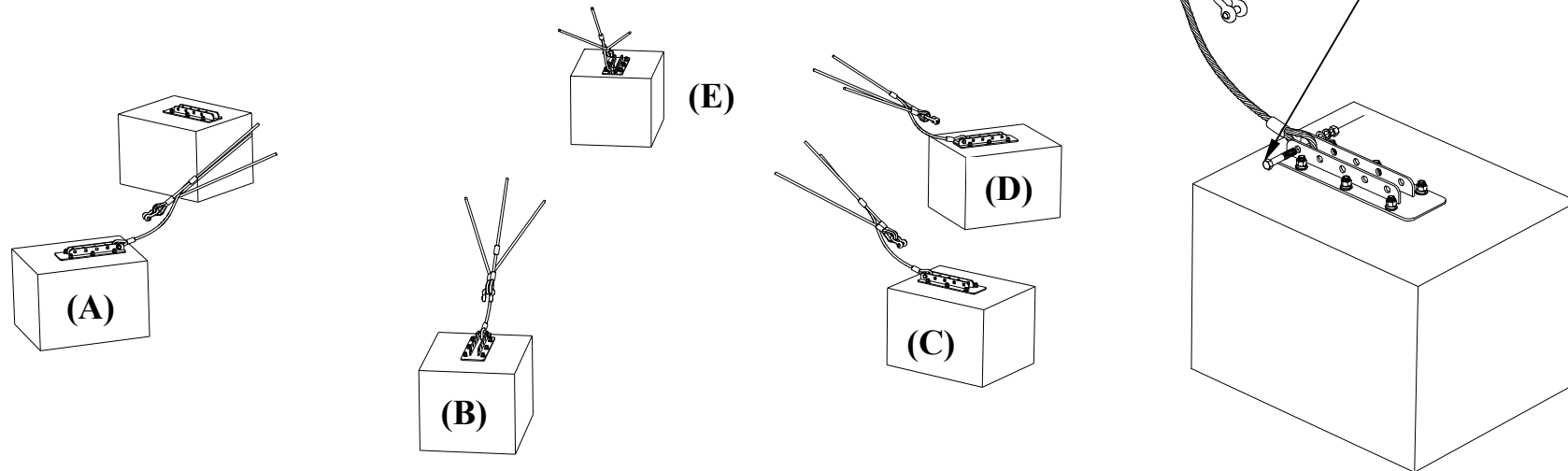
**Note:** Rubber mallet may be required to insert cap into post.

**Figure-15: Post cap assembly.**

## Safety Cable Attaching

Attach safety cable to anchor plates (A) (B) (C) (D) (E) as shown in Figure 16.

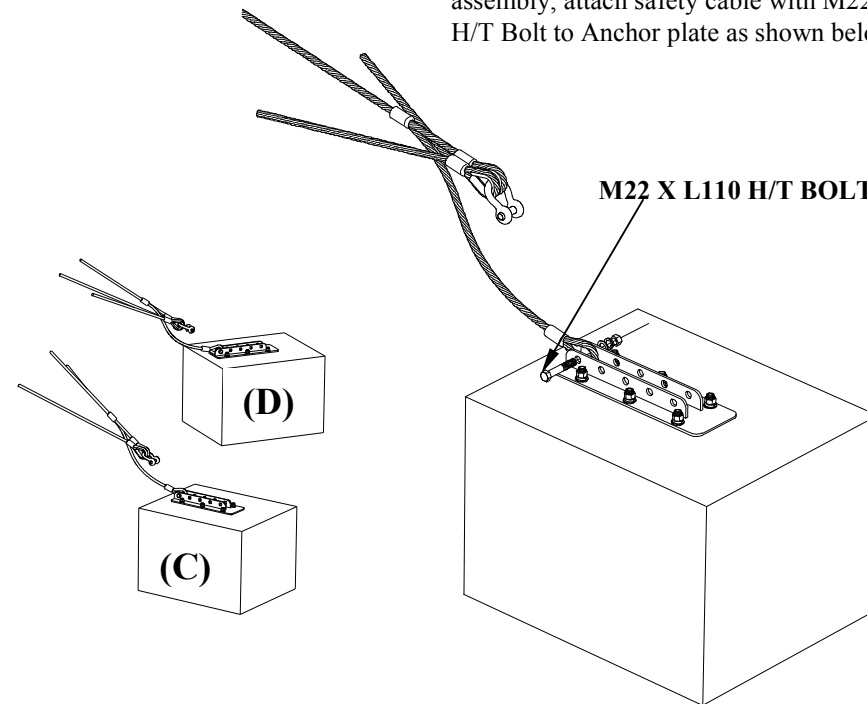
(A) → (B) → (C) → (D) → (E)



**Figure-16:** Attach cable to (A) (B) (C) (D)

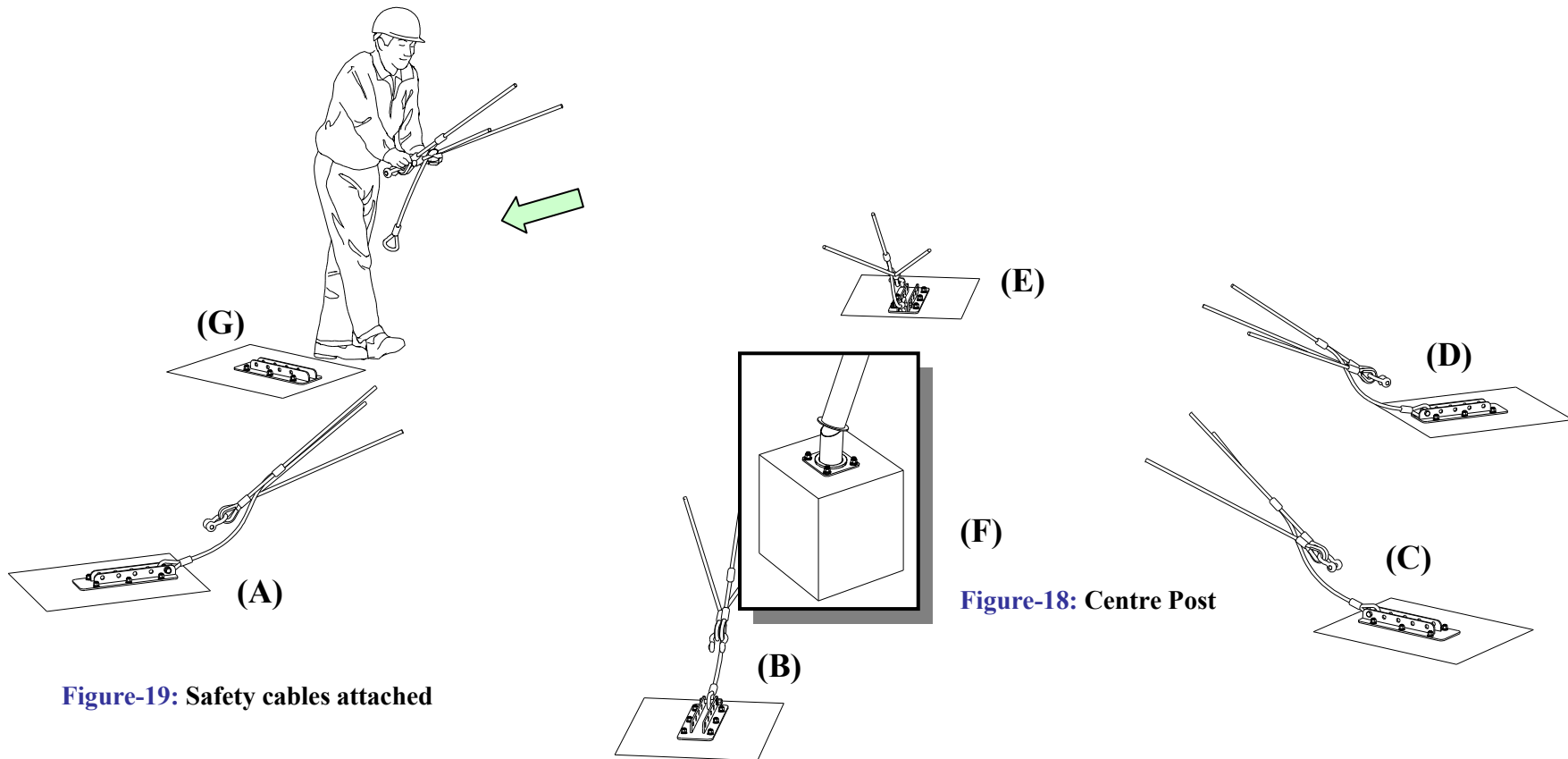
## Figure-17: Safety cable Assembly

After successfully preparing the net and mast assembly, attach safety cable with M22 X L110 H/T Bolt to Anchor plate as shown below

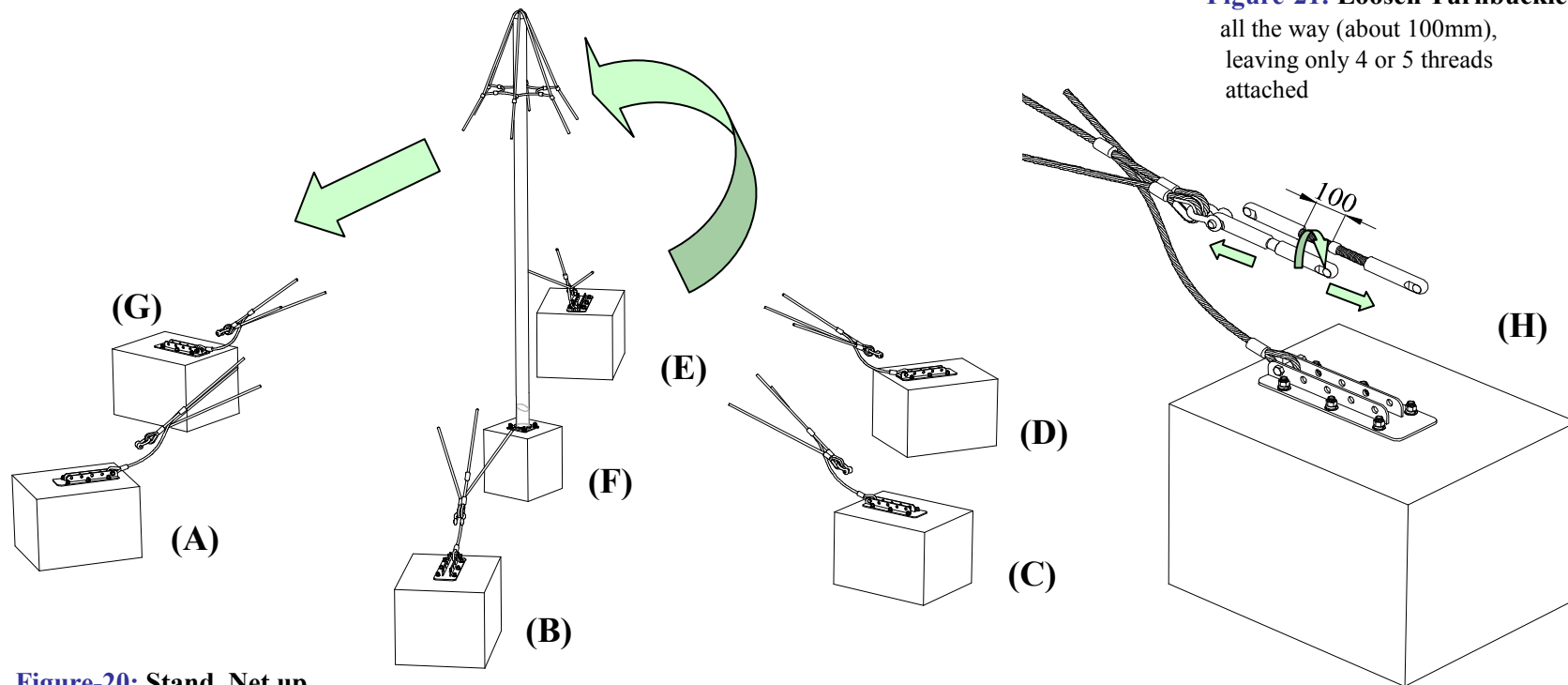


It is strongly recommended  
that 3-4 workers lift the net into place.

[ Working Process ] (A) → (B) → (C) → (D) → (E) → (F) → (G)



After standing up the Net, Attach remaining  
safety cables and Turnbuckles

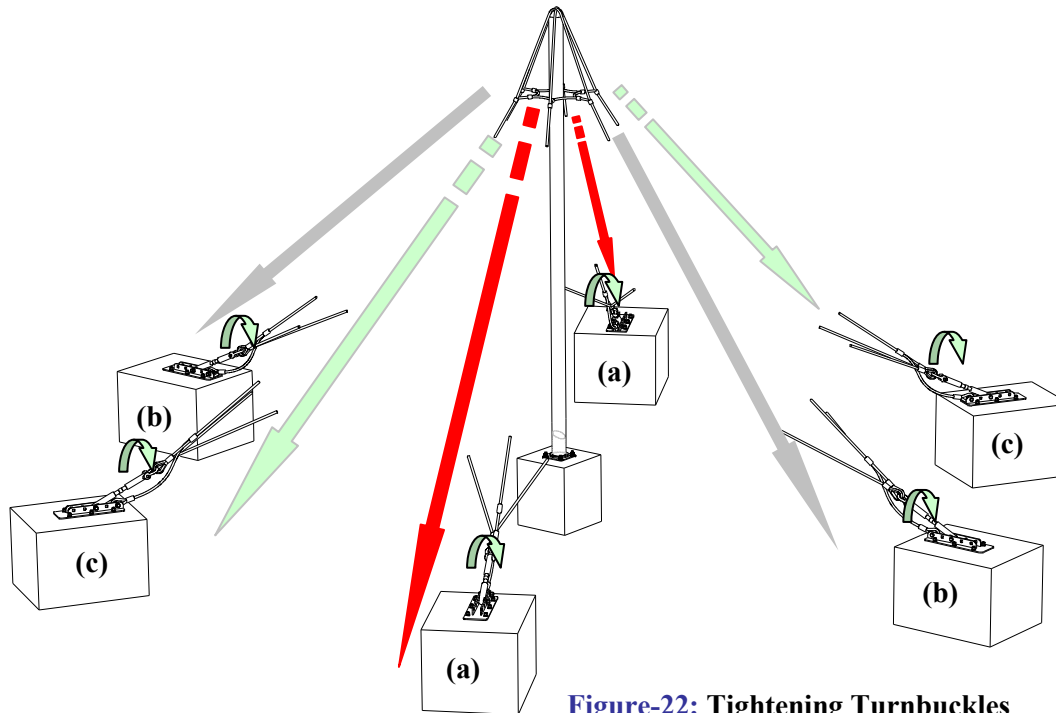


**Figure-20: Stand Net up**



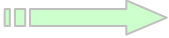
(A) → (B) → (C) → (D) → (E) → (F) → (G) → (H)

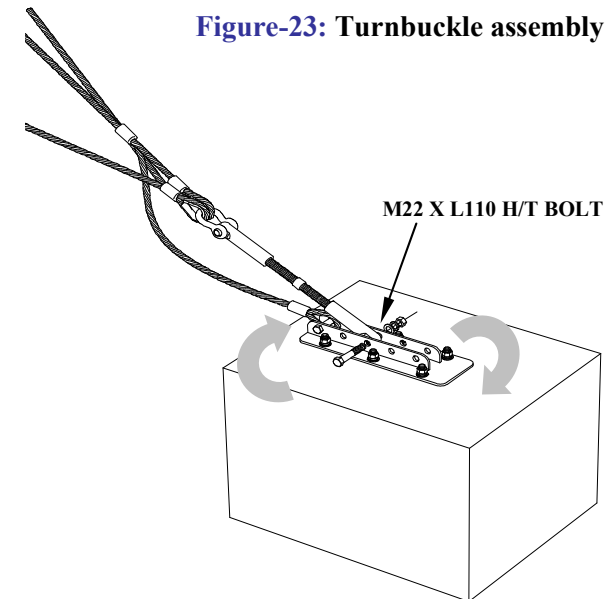


**Anchor plate + Turnbuckle**



**Figure-22: Tightening Turnbuckles**

- (a) + (a)  Tighten Rope with Turnbuckles at the Same time
- (b) + (b)  Tighten Rope with Turnbuckles at the Same time
- (c) + (c)  Tighten Rope with Turnbuckles at the Same time



**Figure-23: Turnbuckle assembly**

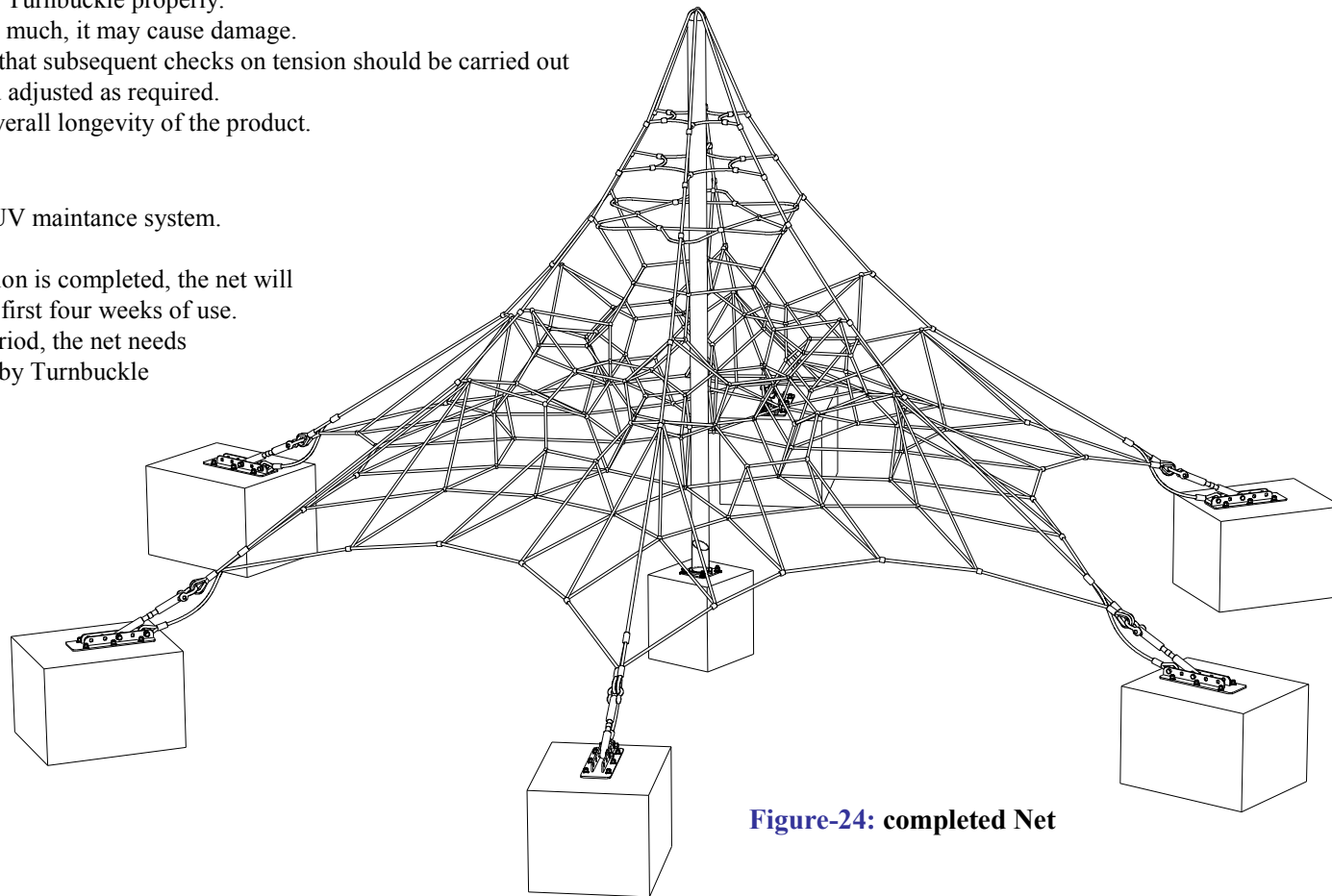
## Maintenance information

Please tighten rope with Turnbuckle properly.  
If you strain the net too much, it may cause damage.  
It is also recommended that subsequent checks on tension should be carried out at monthly intervals and adjusted as required.  
This will increase the overall longevity of the product.

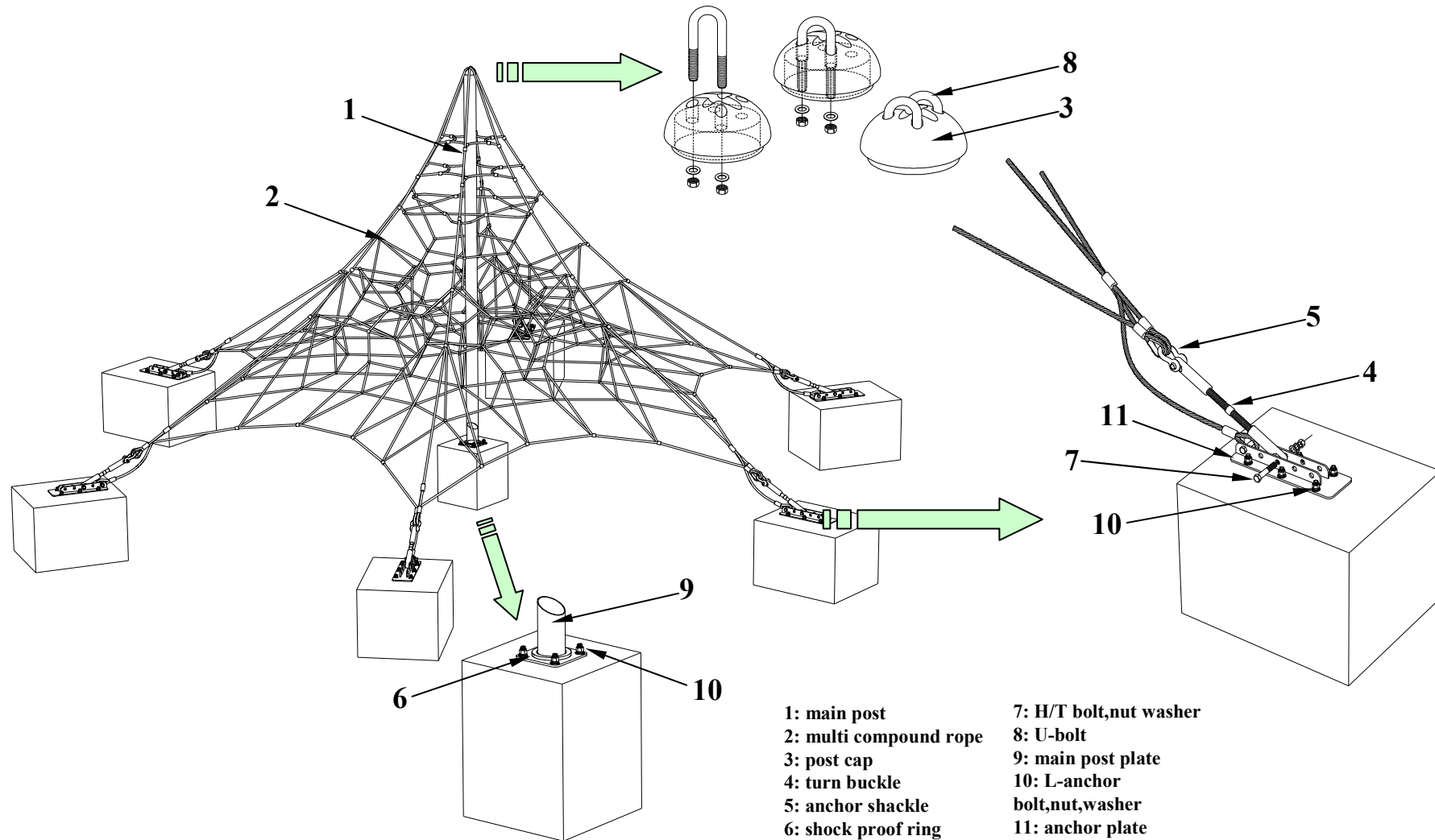
### Checking: 1 month

Refer to IPEMA and TUV maintenance system.

After Net structure tension is completed, the net will stretch slightly over the first four weeks of use.  
Following this initial period, the net needs to be fully re-tensioned by Turnbuckle after 1 year.

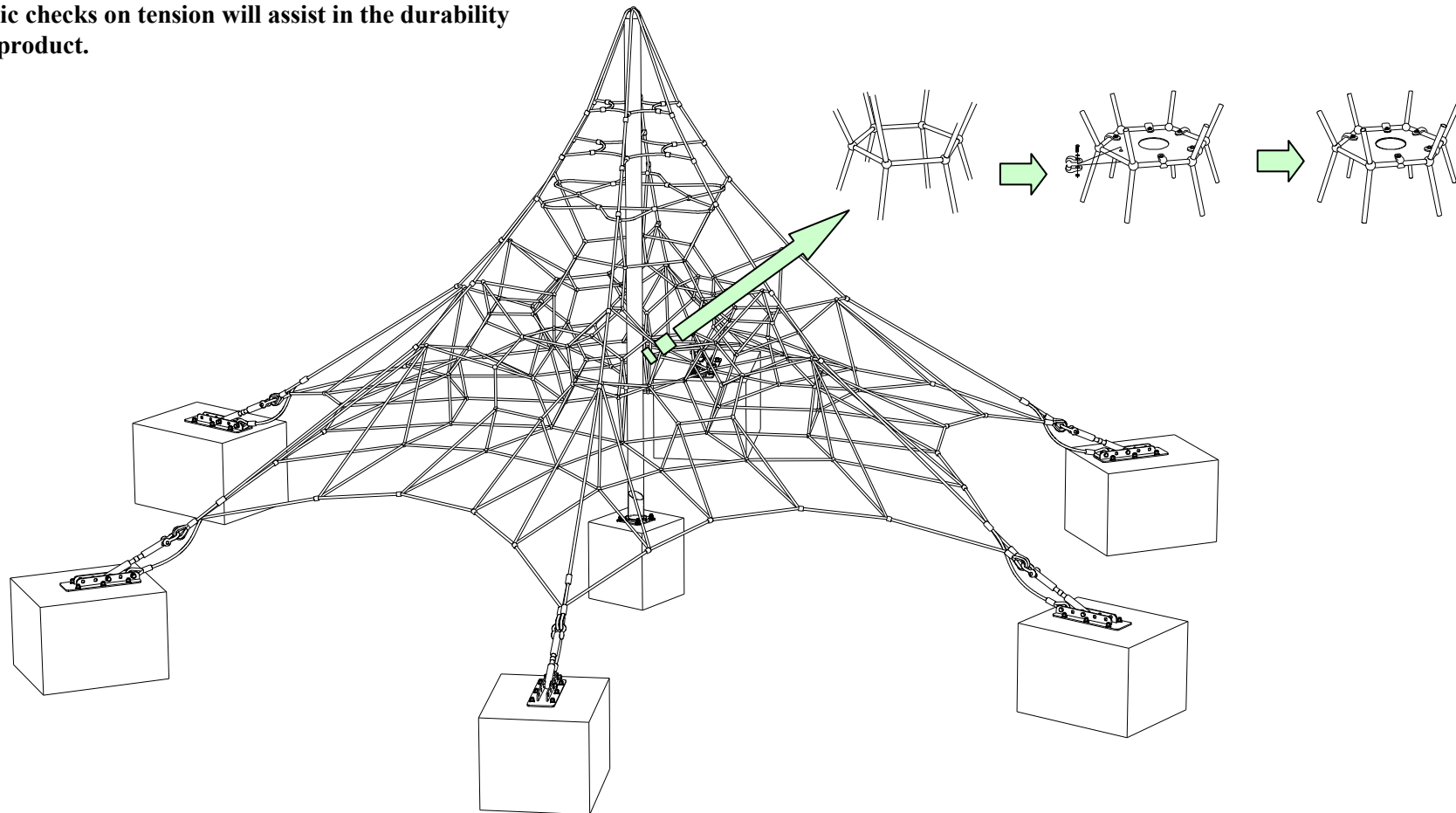


**Figure-24: completed Net**



- |                        |                        |
|------------------------|------------------------|
| 1: main post           | 7: H/T bolt,nut washer |
| 2: multi compound rope | 8: U-bolt              |
| 3: post cap            | 9: main post plate     |
| 4: turn buckle         | 10: L-anchor           |
| 5: anchor shackle      | bolt,nut,washer        |
| 6: shock proof ring    | 11: anchor plate       |

A weekly check of the activity net is recommended to ensure that no acts of vandalism have damaged the rope. Periodic checks on tension will assist in the durability of the product.



### A. General safety measures

On the playground there should be a sign(pictogram) giving the following information:

- a) general emergency telephone number;
- b) telephone number to contact maintenance personnel;
- c) name of the playground;
- d) address of playground; and
- e) other relevant local information, if applicable.

The entry, exit and emergency paths to and from a playground, intended for use by the public and emergency services, should be accessible and free of obstacles at all times.

NOTE Attention is drawn to local regulations.

### B. Procedures

Defects that occur during operation and which put safety at risk should be corrected without delay. If this is not possible, the equipment should be secured against use e.g. by immobilization or removal.

There should be written operational procedures covering the measures to be taken in the event of accidents, fire and the like.

Until unsafe equipment is repaired and released for use, access by the public should be prevented. Information about accidents brought to the attention of the manager should be recorded on a form that includes the following details:

- a) date and time of accident;
- b) age and sex of victim and clothing worn, Including footwear;
- c) equipment involved;
- d) number of children on site at the time of the accident;
- e) description of accident;
- f) injury sustained including part(s) of body affected;
- g) action taken;
- h) witness statements;
- i) any subsequent equipment modification;
- j) weather conditions; and
- k) any other relevant information.

**C. Routine maintenance**

To reduce accidents, the owner or operator should ensure that an appropriate routine maintenance schedule is established, implemented and maintained. This should take into account local conditions and the manufacturer's instructions that can affect the necessary inspection frequency. The schedule should list the components to be maintained and should also give procedures for dealing with complaints and breakdowns. The routine maintenance of playground equipment and surfaces should consist of preventative measures to maintain their level of safety, performance and compliance with the relevant part(s) of EN 1176. Such measures should include:

- a) tightening of fastenings;
- b) re-painting and re-treatment of surfaces;
- c) maintenance of any impact attenuating surfaces;
- d) lubrication of bearings;
- e) marking of equipment to signify loose fill finished surface level;
- f) cleaning;
- g) removal of broken glass and other debris or contaminants;
- h) restoring loose fills to the correct level; and
- i) maintenance of free space areas.

**D. Corrective maintenance**

Corrective maintenance should include measures to correct defects, or to re-establish the necessary levels of safety of the playground equipment and surfaces. Such measures should include:

- a) replacement of fastenings;
- b) welding of welding repairs;
- c) replacement of worn or defective parts; and
- d) replacement of defective structural components.

**E. Personal safety**

Repairs during operation that could put the safety of maintenance personnel of the public at risk, should be avoided.

**F. Equipment alterations**

Alterations to parts of a piece of equipment or structure that could affect the essential safety of the equipment should only be carried out after consultation with the manufacturer or a competent person.