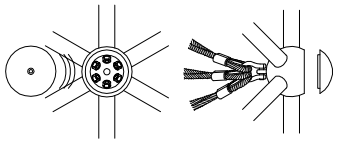
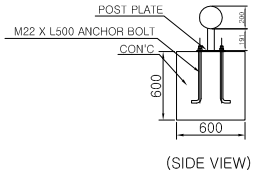
IGLOO NET

GS-W803

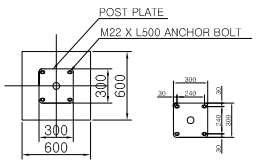
CONNECTOR DETAIL



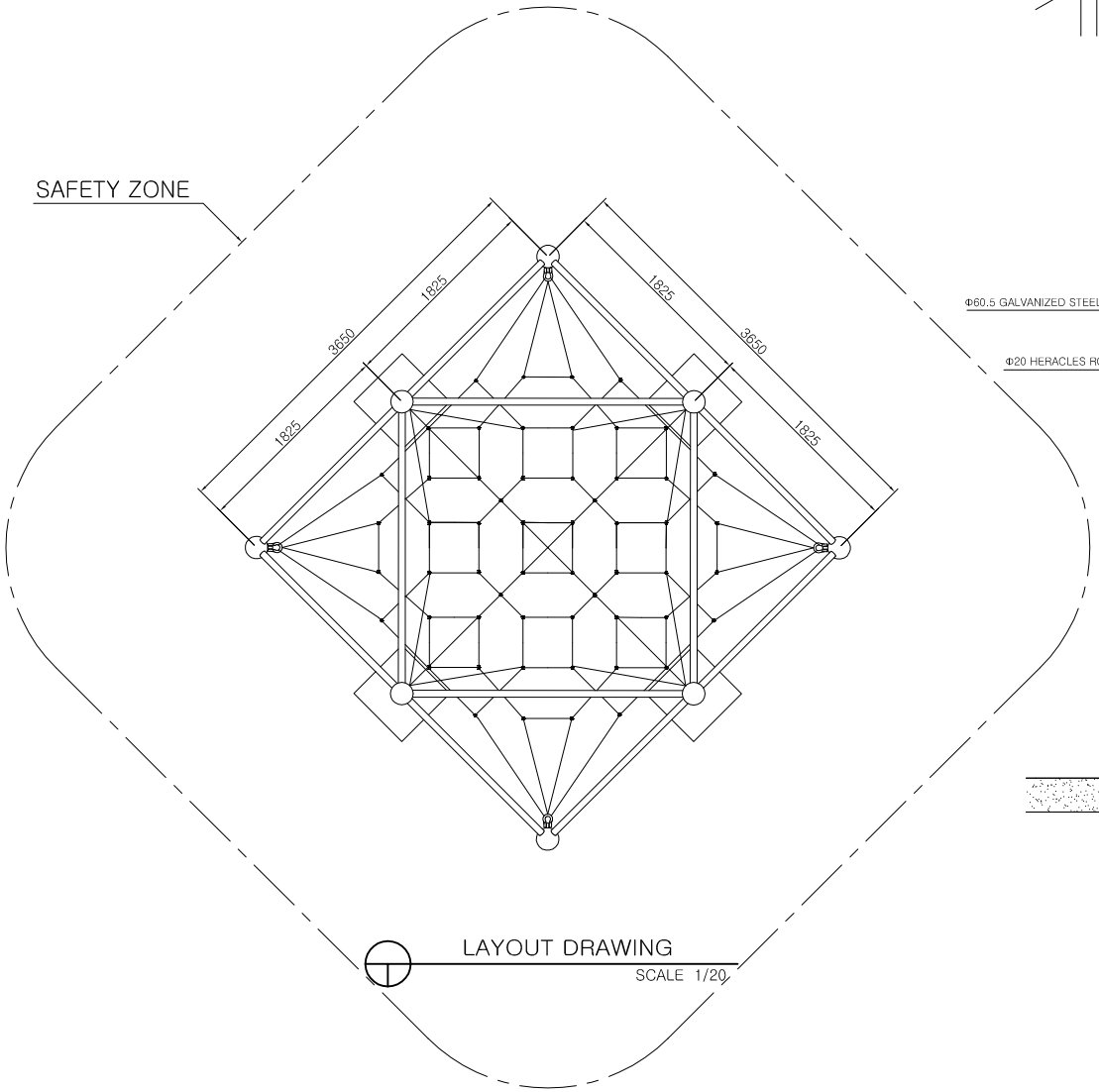
FOUNDATION DETAIL



(SIDE VIEW)

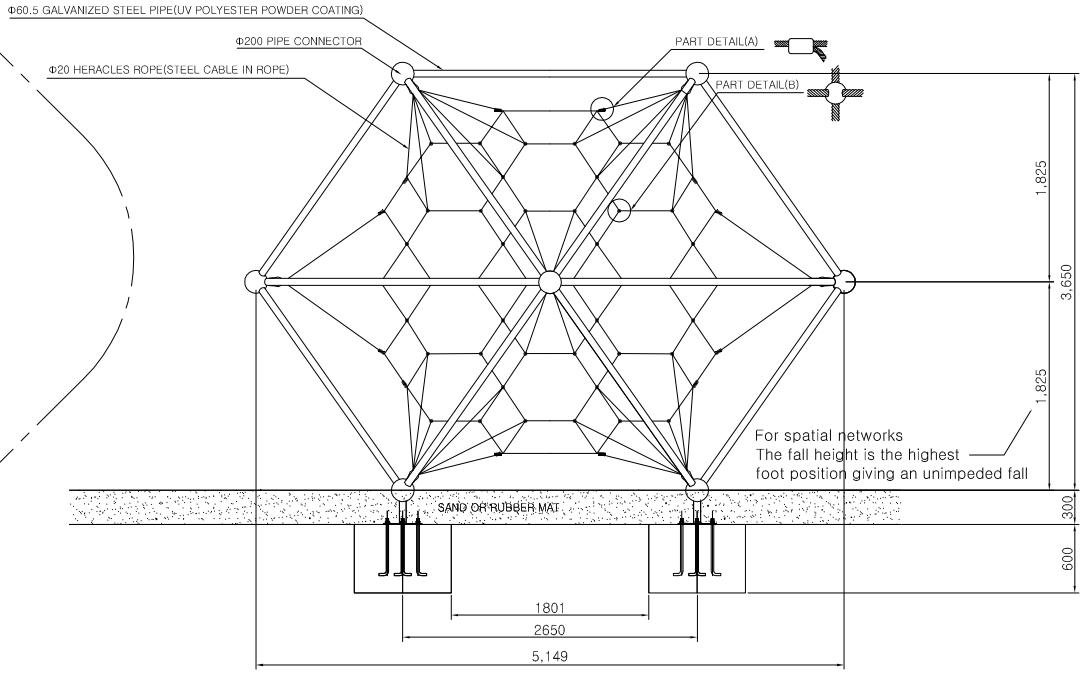


(PLAN)



LAYOUT DRAWING

SCALE 1/20



FRONT VIEW

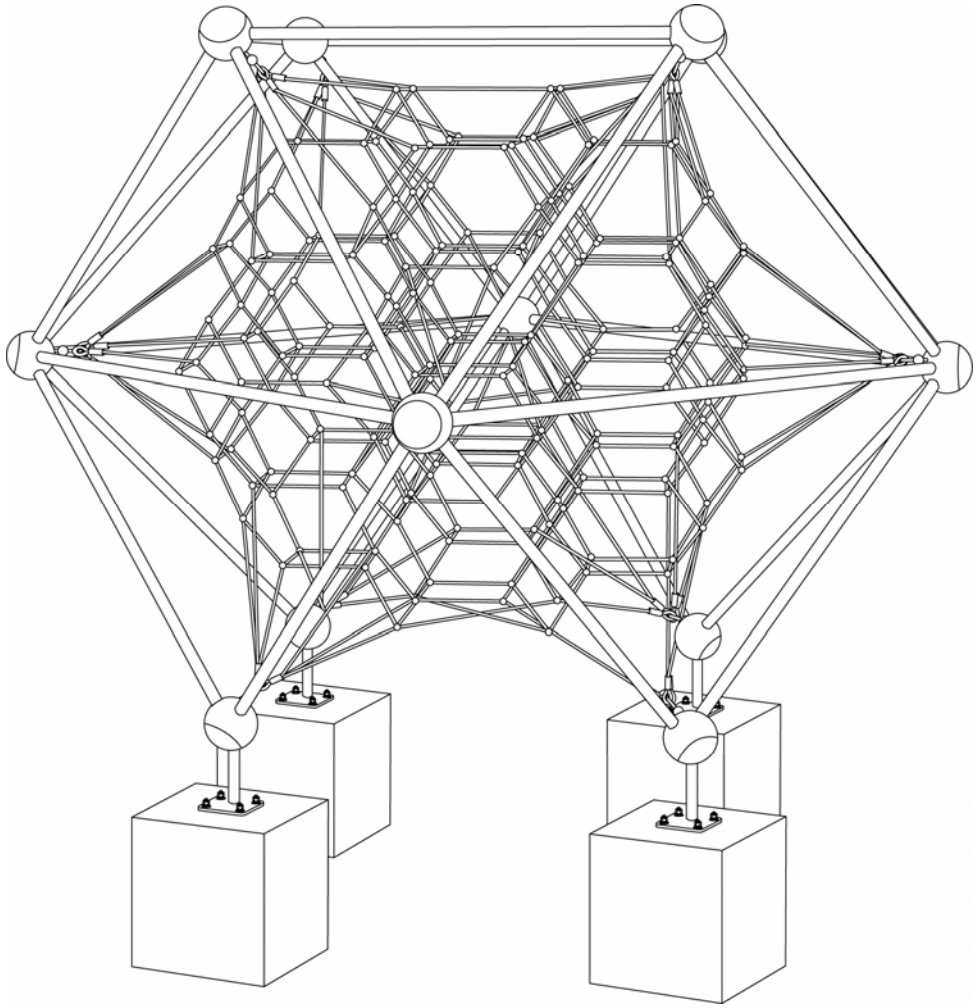
SCALE 1/20

GSWeb Playground Equipment	PROJECT TITLE: IGLOO NET	DRAWING TITLE: GS-W803	NO. / DATE / REVISED / CHECKED / APPROVED	DRAWING BY.	SCALE	
				DESIGNED BY.	DATE	
				CHECKED BY.	SHEET NO.	
				APPROVED BY.	DRAWING NO.	

Safety Checklist after first assembly

● **Test intervals of Safety: 6 months**
● **Test Component and contents:**
1. Removing the reticulated system:
- Check of removing condition each rope
- Screwing the turn buckle and conversion the turnbuckle in anchors plate(see for this workstep turnbuckle assembly)
2. Abrasion condition of rope:
- Checking of all rope surface
- Strengthned of rope: Coating on the surface
3. Attachment condition of the anchors plate and turnbuckle
4. Screwing condition of all bolt
5. Galvanizing condition of the steel component:
- Protection of steel component from corrosion.

● **Measure**
In case of the appearance the defect detail is repaired usually within 3 days after checking.



GSWeb Playground Equipment
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Web site) www.gsweb21.com

Features

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

The GS-W802 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: 5 to 12 years
Capacity: 30 children
Size: L: 11'12" / 3. 65m
W:11'12" / 3. 65m
H: 11'12" / 3. 65m
Use zone: L: 25' 1"/ 7. 65 m
W: 25'1" / 7. 65 m

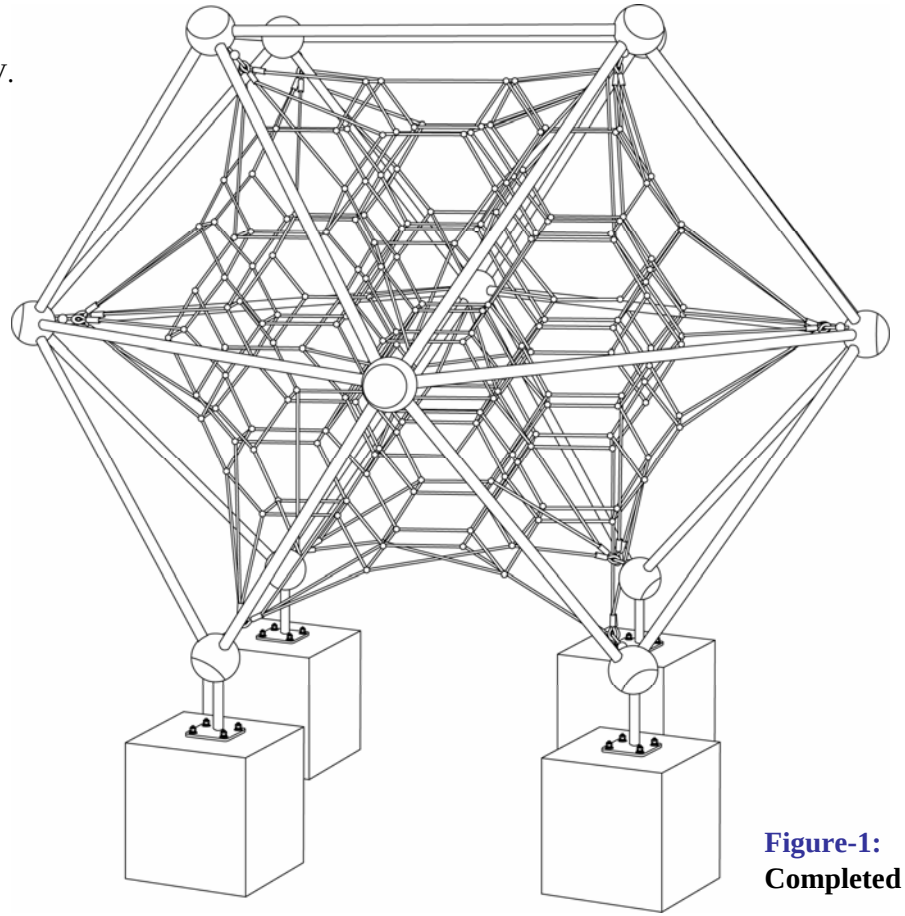


Figure-1:
Completed Net

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) 5' 7" / 1750mm (from surface)**

The Fall height on the external surface of a pyramid shaped space net
is the hightest 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 in based on the centre of gravity height of the maximum user.

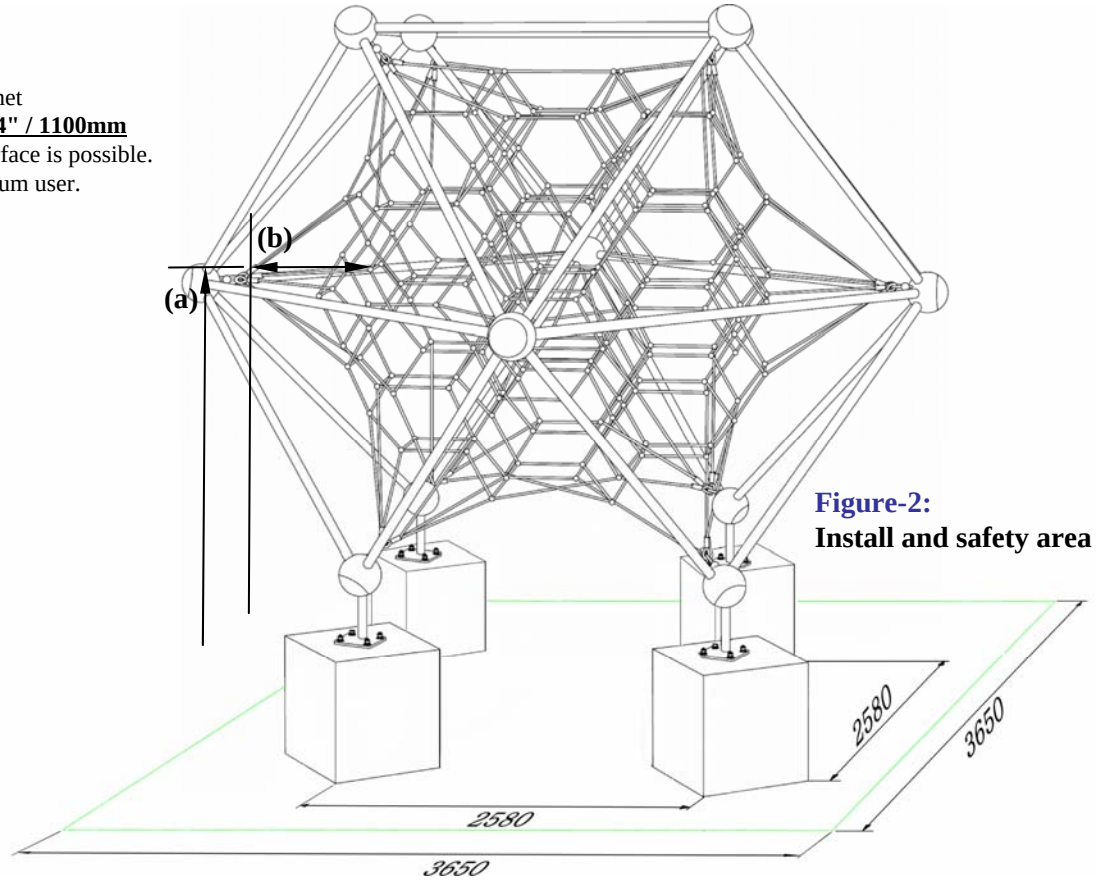
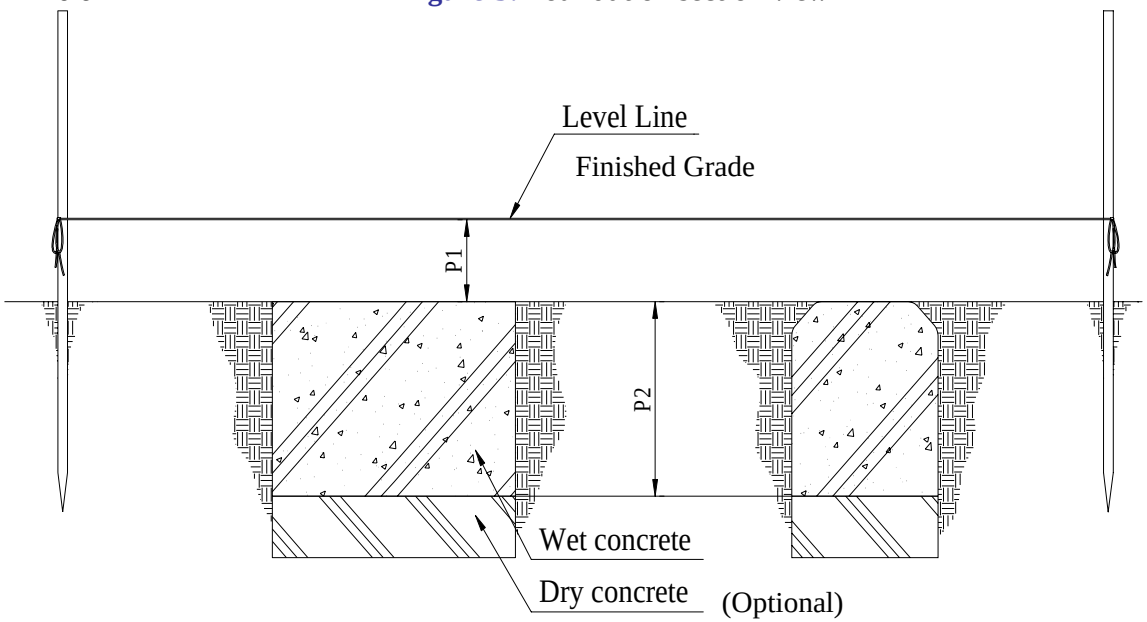


Figure-2:
Install and safety area

Foundation

Please refer to GS-W803 drawing for exact installation dimensions

Figure-3: Foundation section view



P1 = Depth below finished Grade (12 " / 300 mm)
P2 = Depth of concrete footing (19-⅔" / 600 mm)

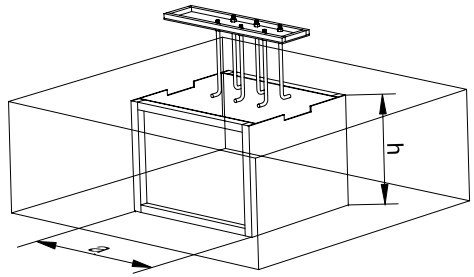
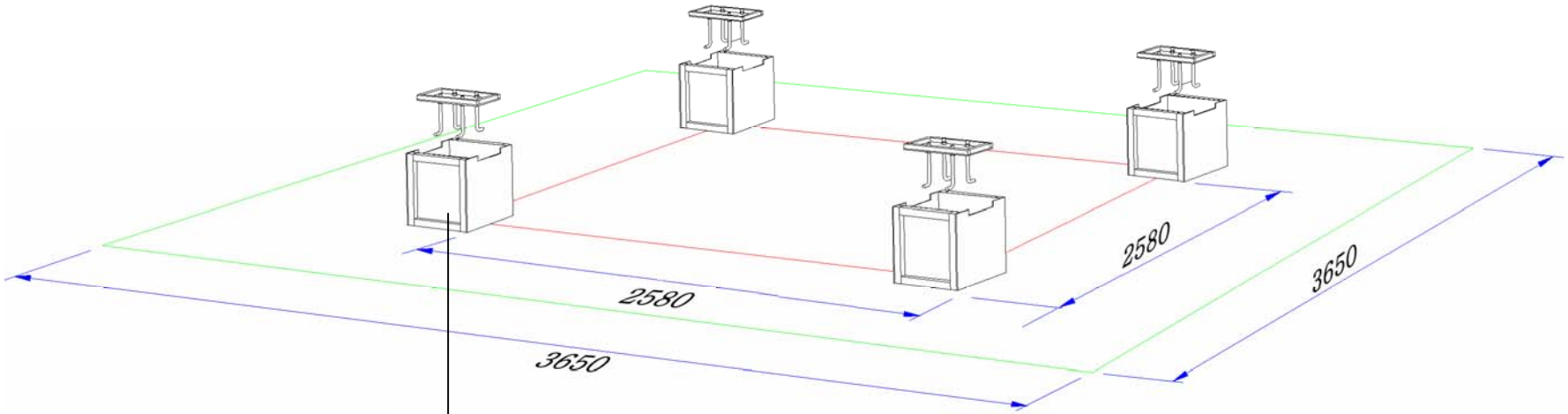


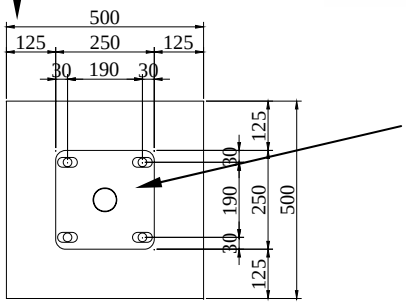
Figure-4 : Excavate enough materials to allow for proper depth of concrete footings

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



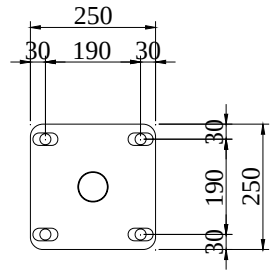


Post Plate position

Note: Total distance from front of block to front of block is 2270mm

Positioning Post plate on footing
[CF] 'L" anchor hole
Front edge of anchor plate must be installed 125mm from edge of concrete footing.

Assemble wooden support frames *
4 frames
*Use ½" (min) plywood; not included in package



NOTE:
Use post plate as guide
for exact measurements.

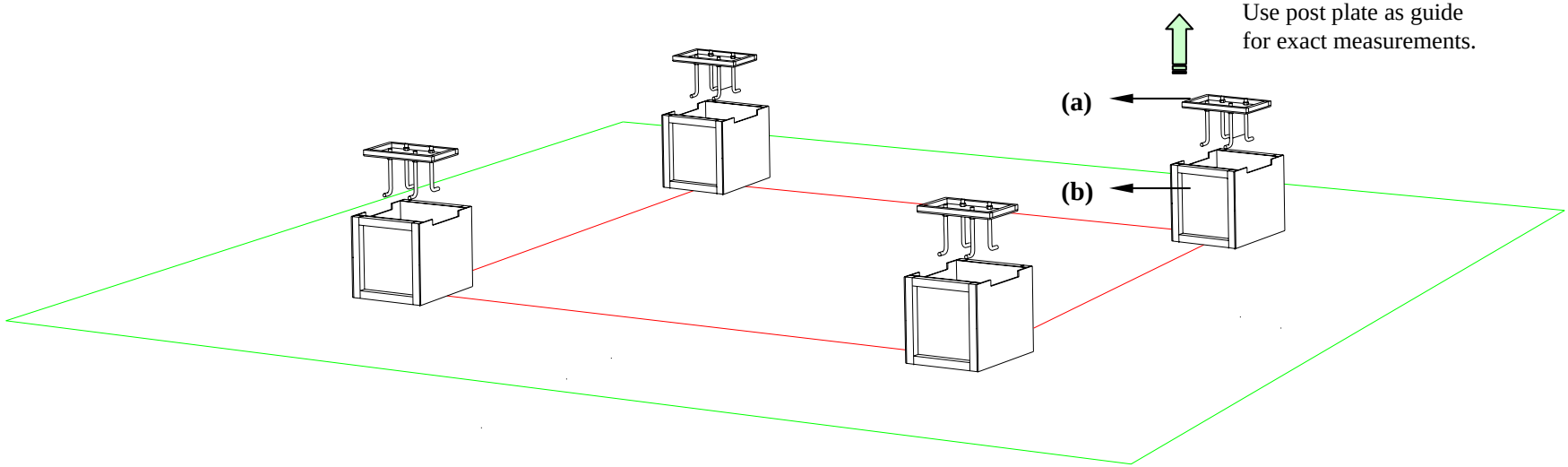


Figure-6 : Wood support frame

(a) wood jig for Post plate

(b) wood support frame for concrete

[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.

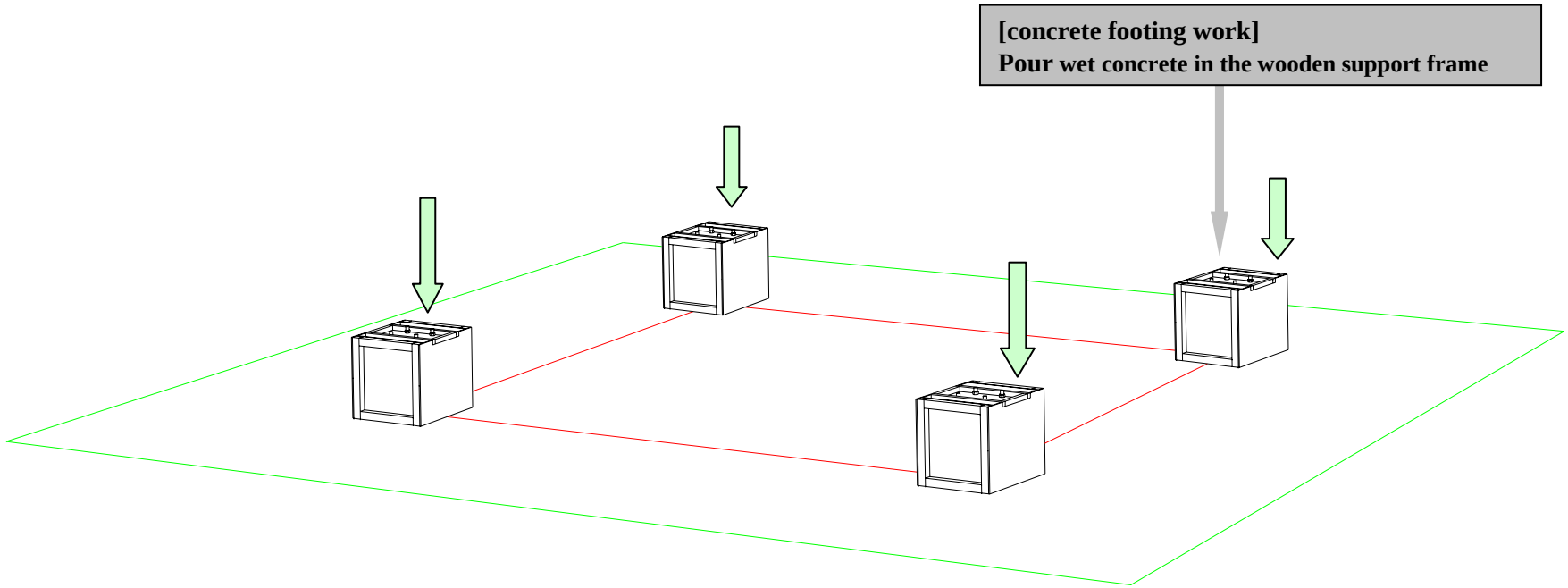


Figure-7 : Concrete footing work

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Website) www.gsweb21.com

Remove wood support frame from dry concrete blocks

After concrete has cured enough, remove frame and replace soil in area around footing to subgrade level

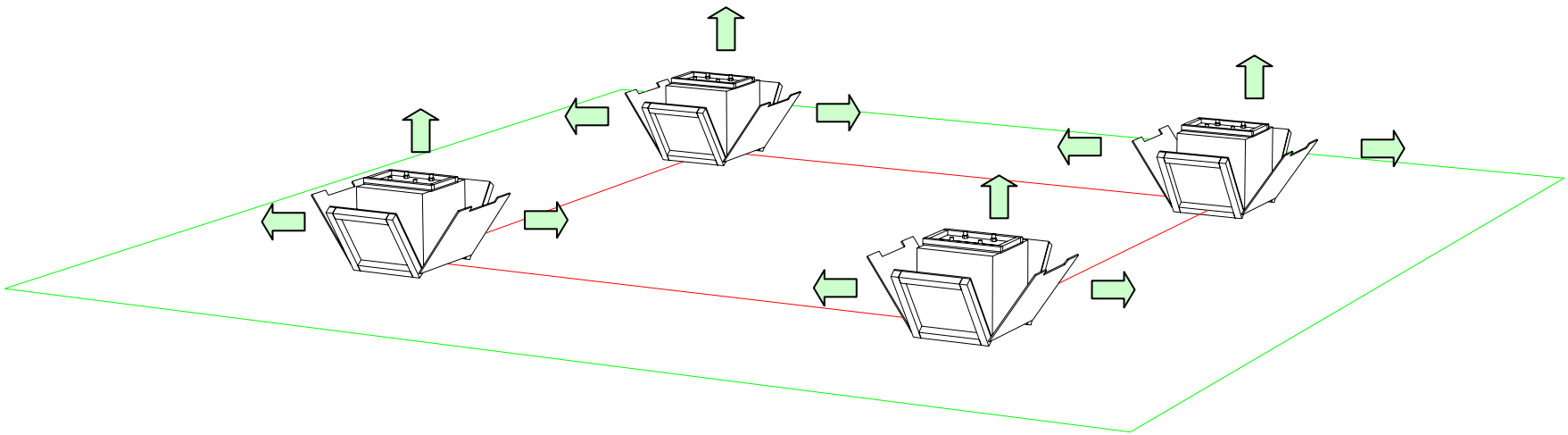


Figure-8 : Remove wood support frame

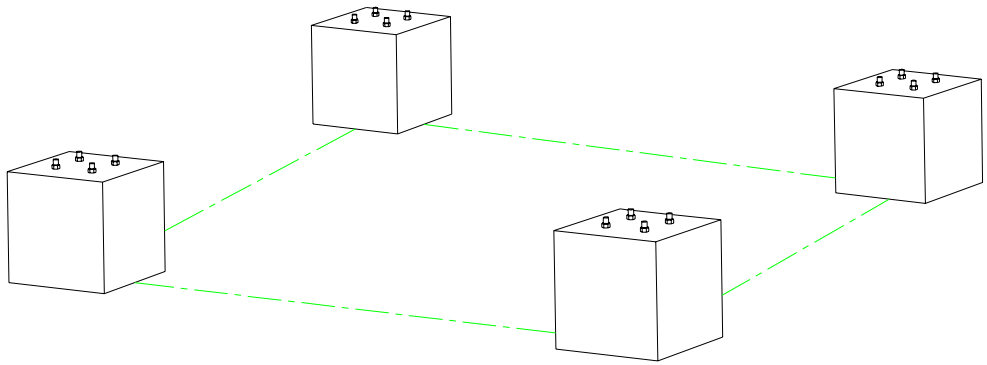


Figure-9 : concreted block - clean threads of "L" anchor bolts

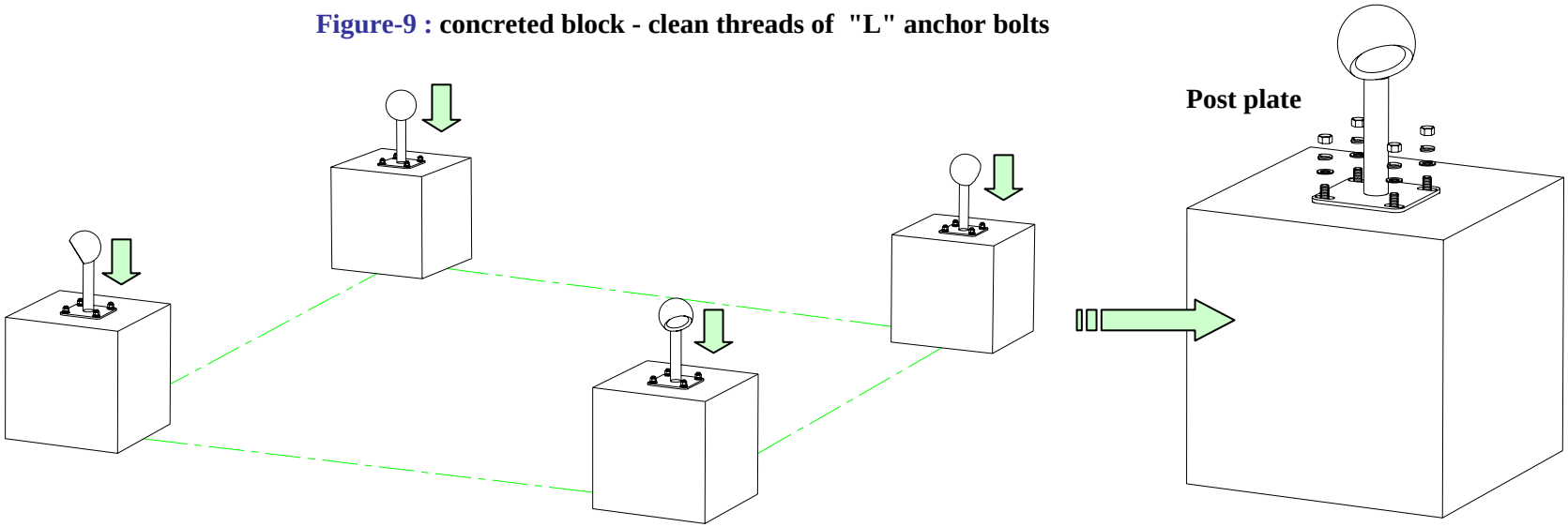


Figure-10 : Attach post plate to footing with flat washer, locking washer and nut.

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

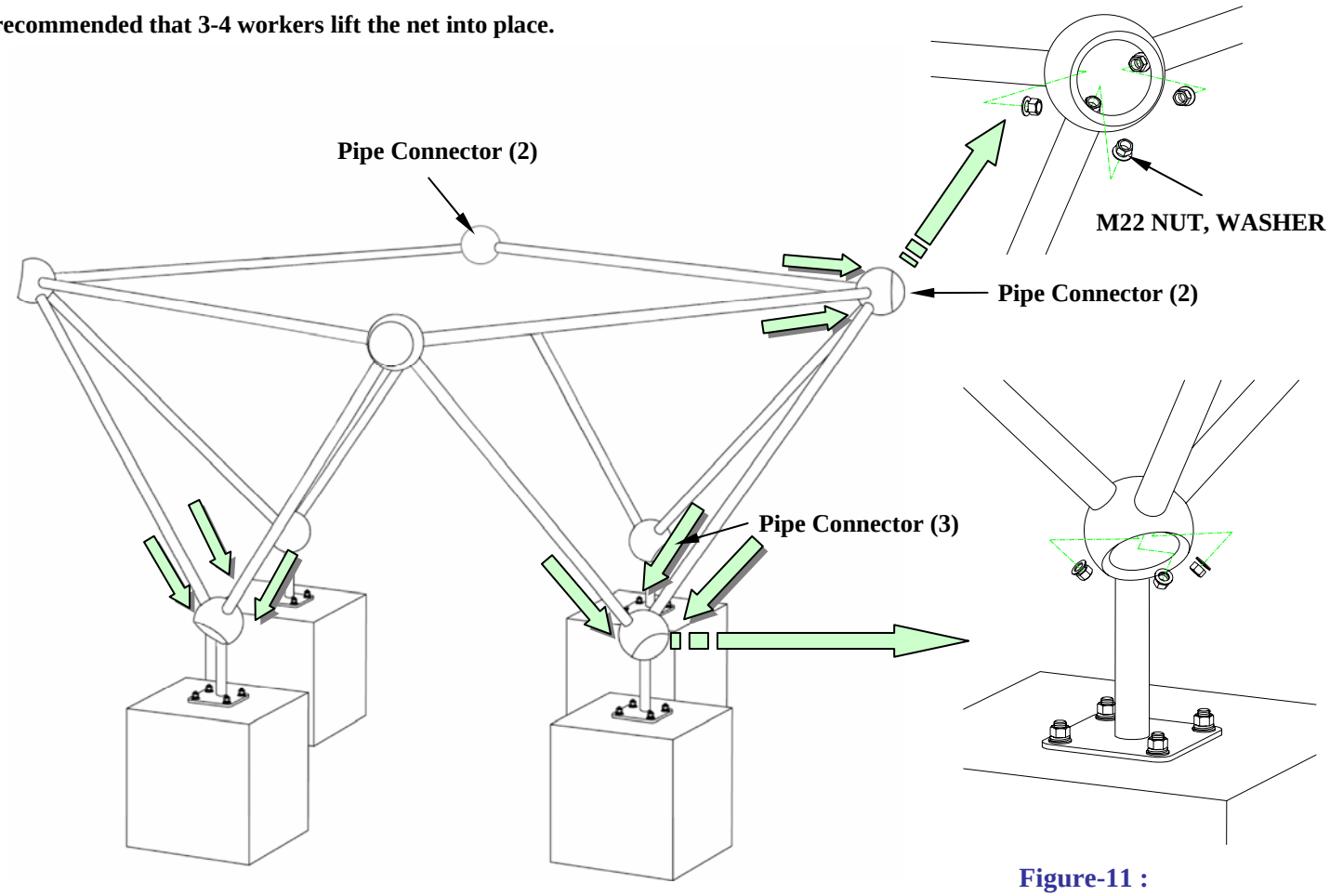


Figure-12: Pipe-Pipe Connector assembly-1

Figure-11 :
Lower Pipe assembly

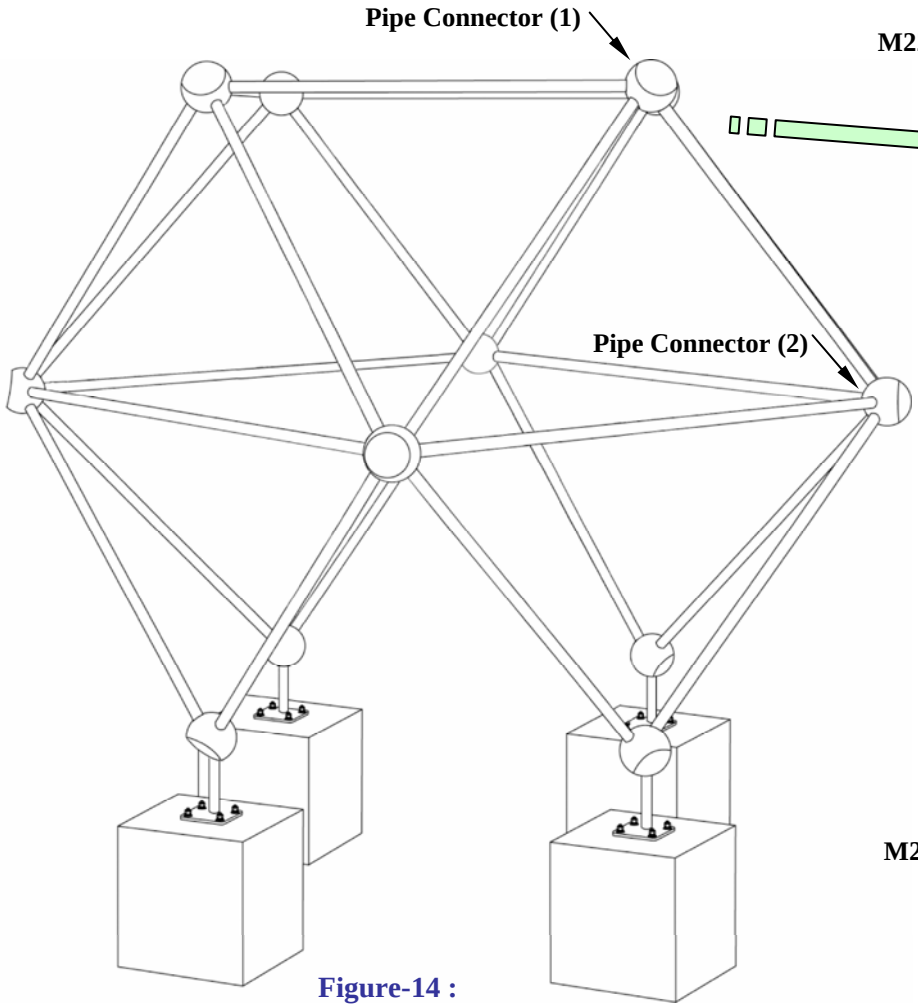


Figure-14 :
Pipe-Pipe Connector assembly-2

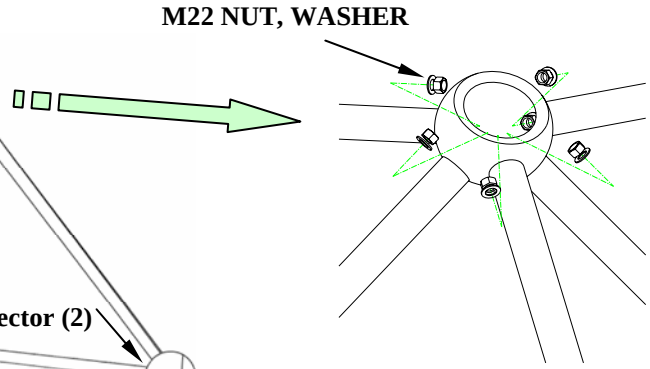


Figure-15 :
Middle Pipe assembly-2

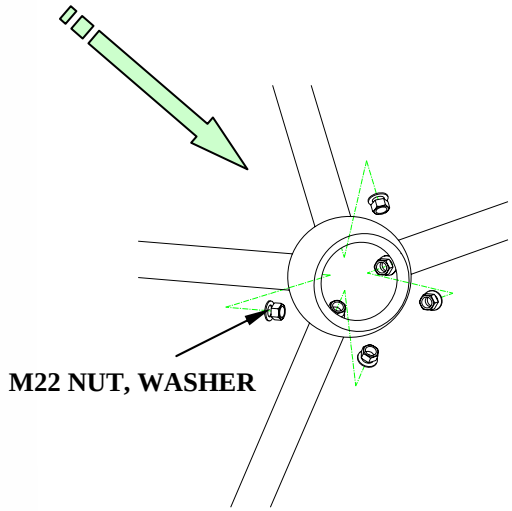
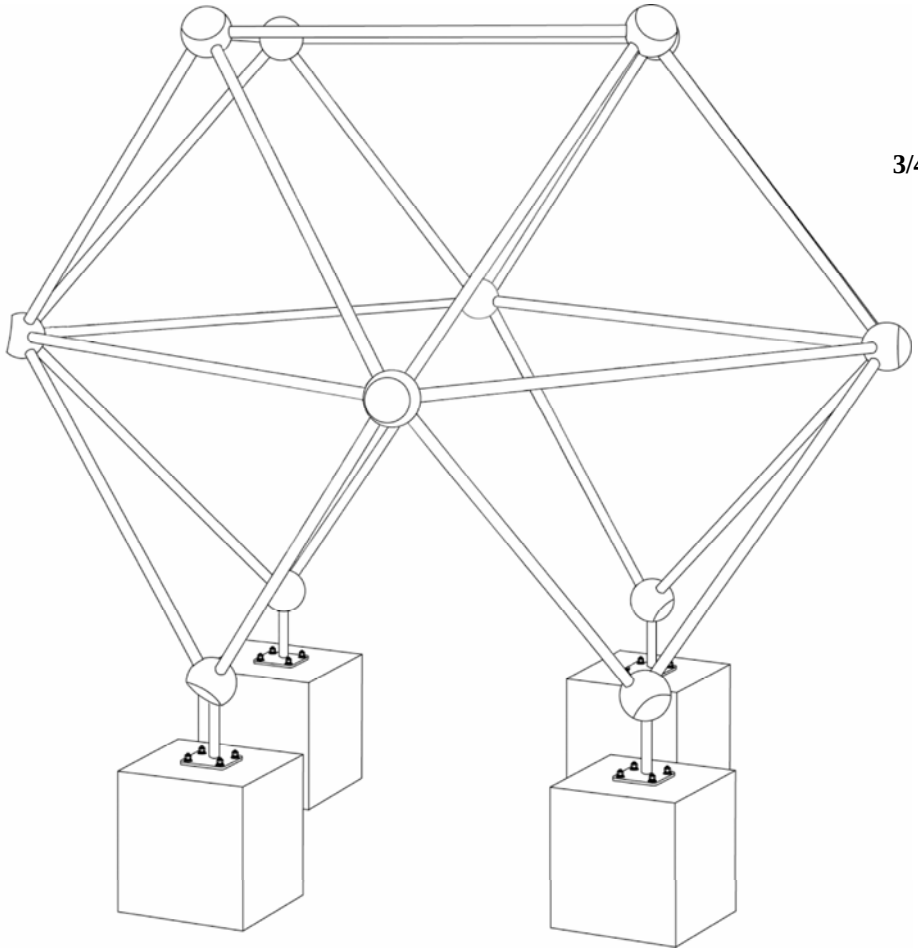


Figure-13 :
Middle Pipe assembly-3



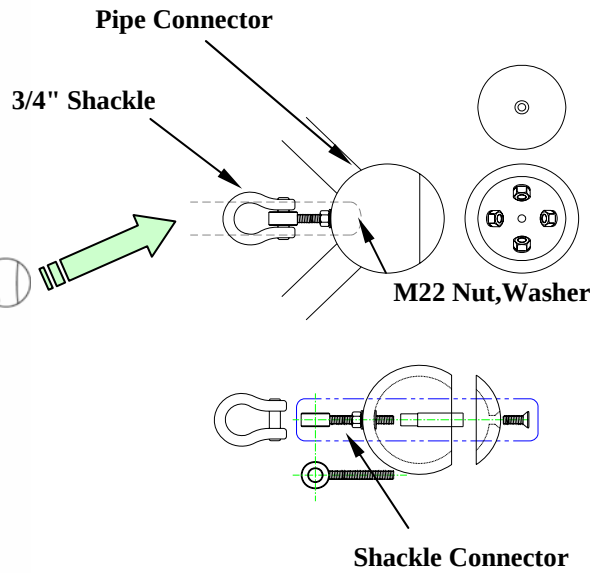


Figure-16 : Attaching Shackle Connector to Connector

Figure-17 : Middle Shackle Connector assembly.

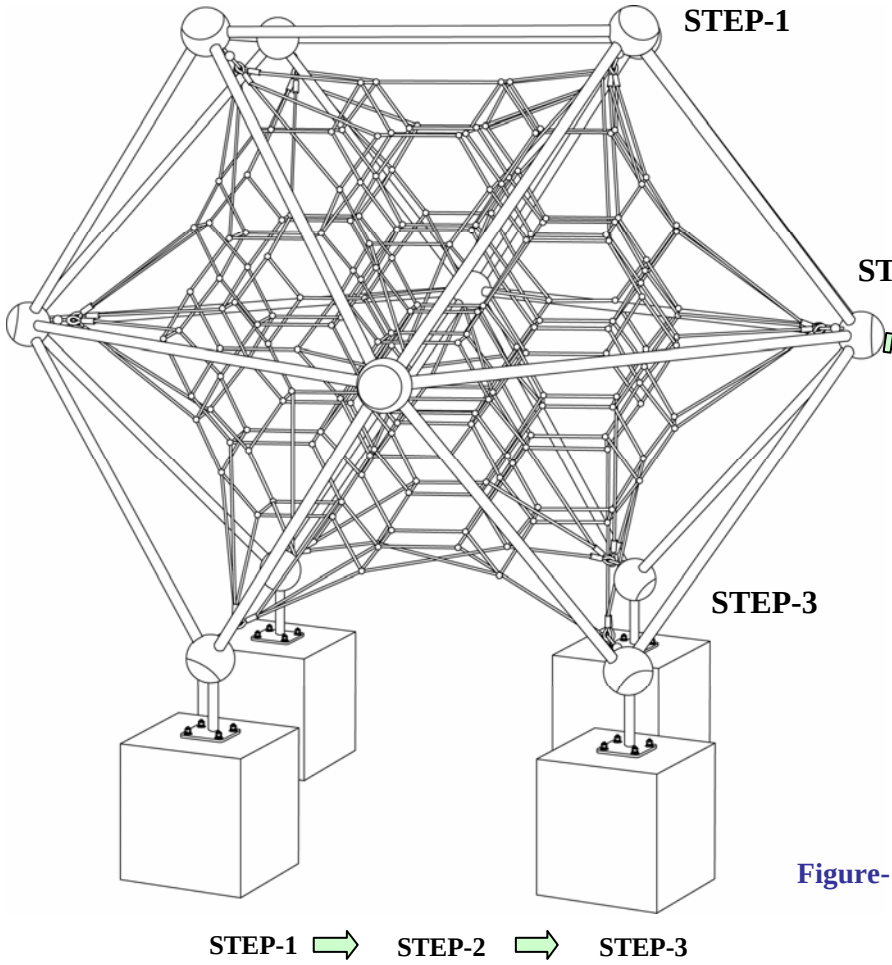


Figure-18 : Cable Assembly

Cable Assembly

After successfully preparing the net and post assembly, attach cable with 3/4" Shackle to Connector as shown in figure 24,25

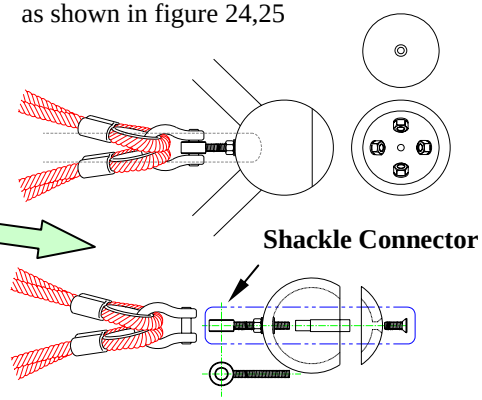


Figure-19 :
Middle cable loop assembly.

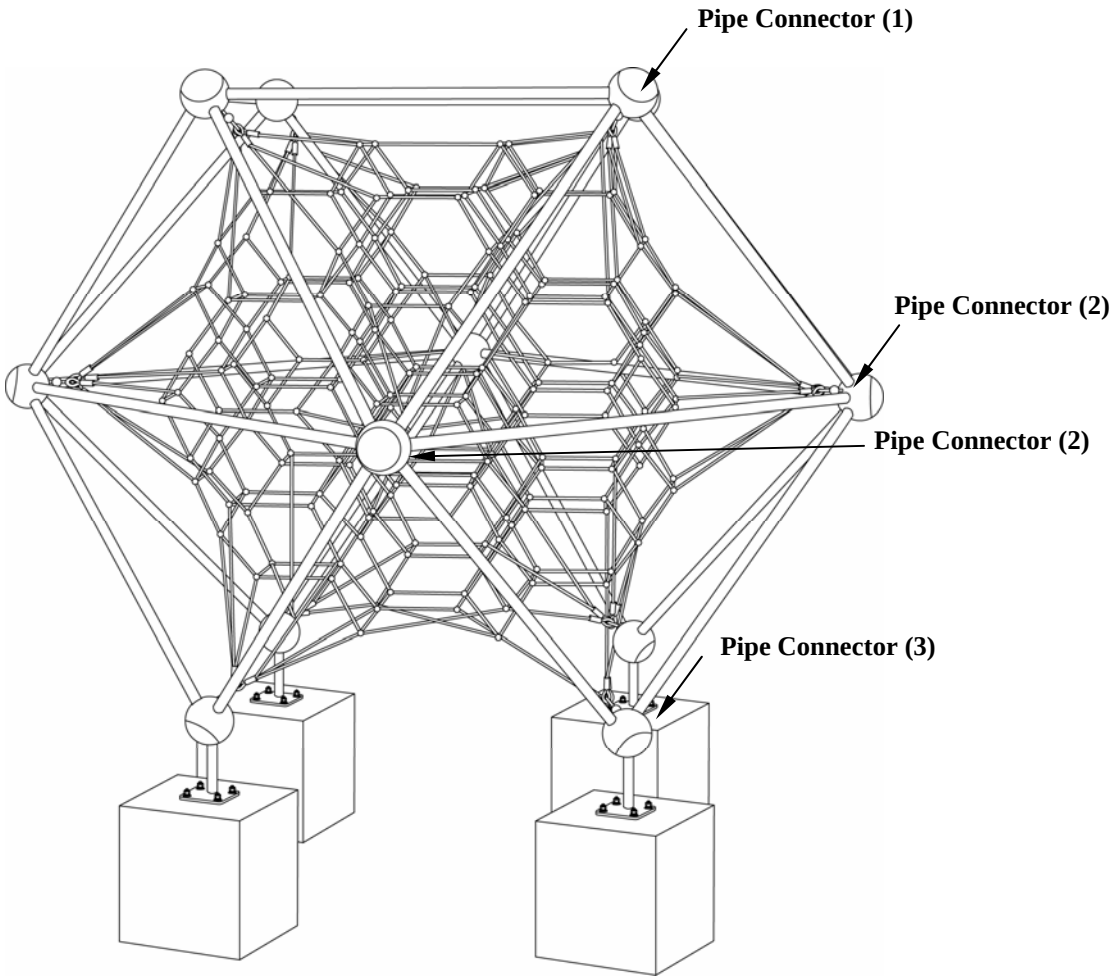


Figure-20 : Attach connector cap to connector

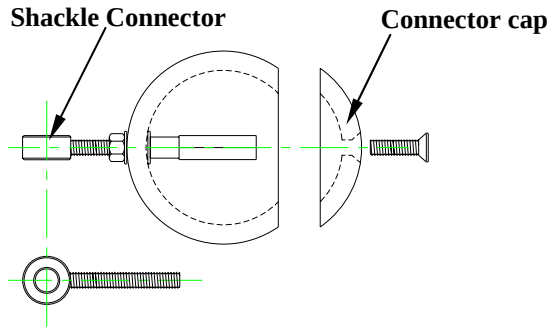
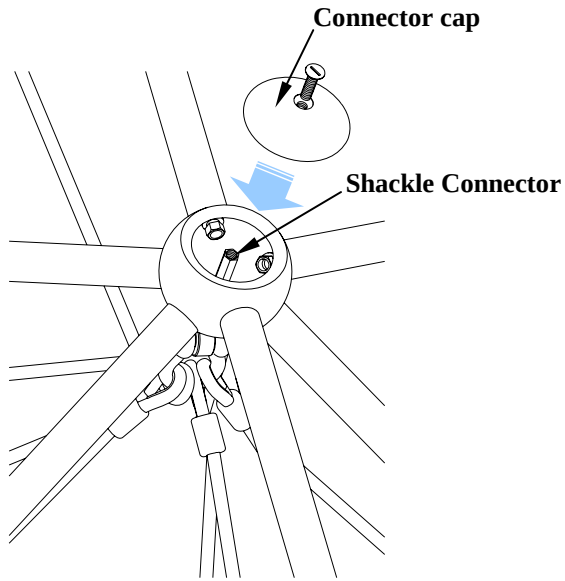


Figure-21 : Connector cap Assembly



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 maintance 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.

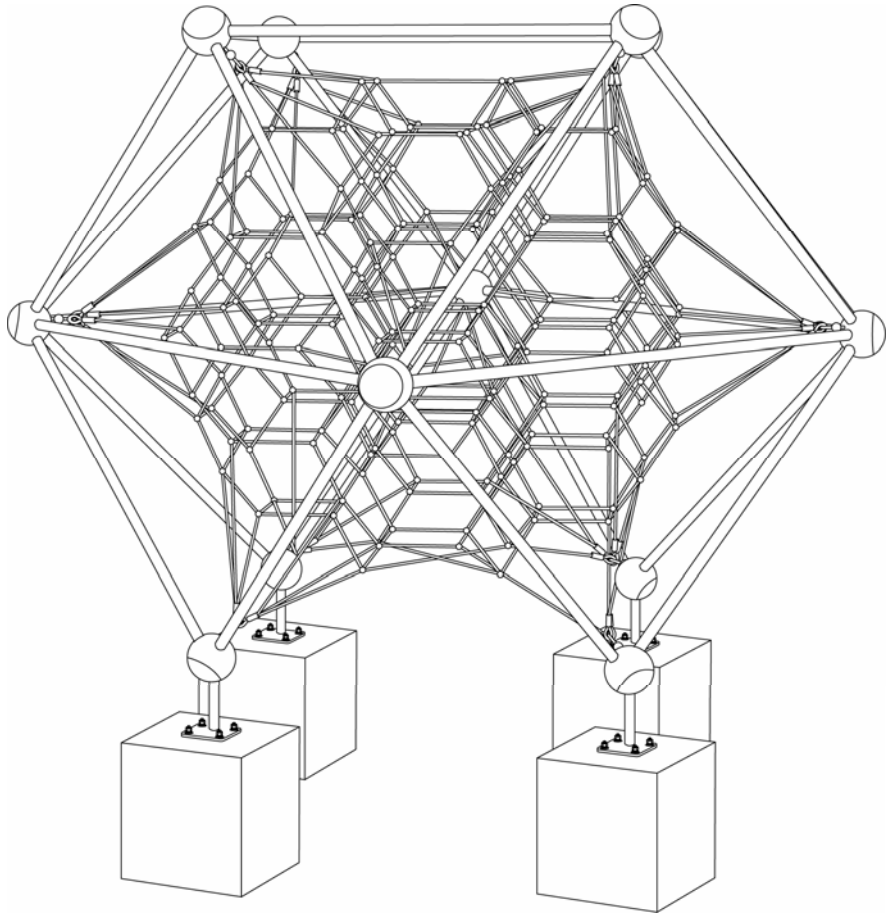
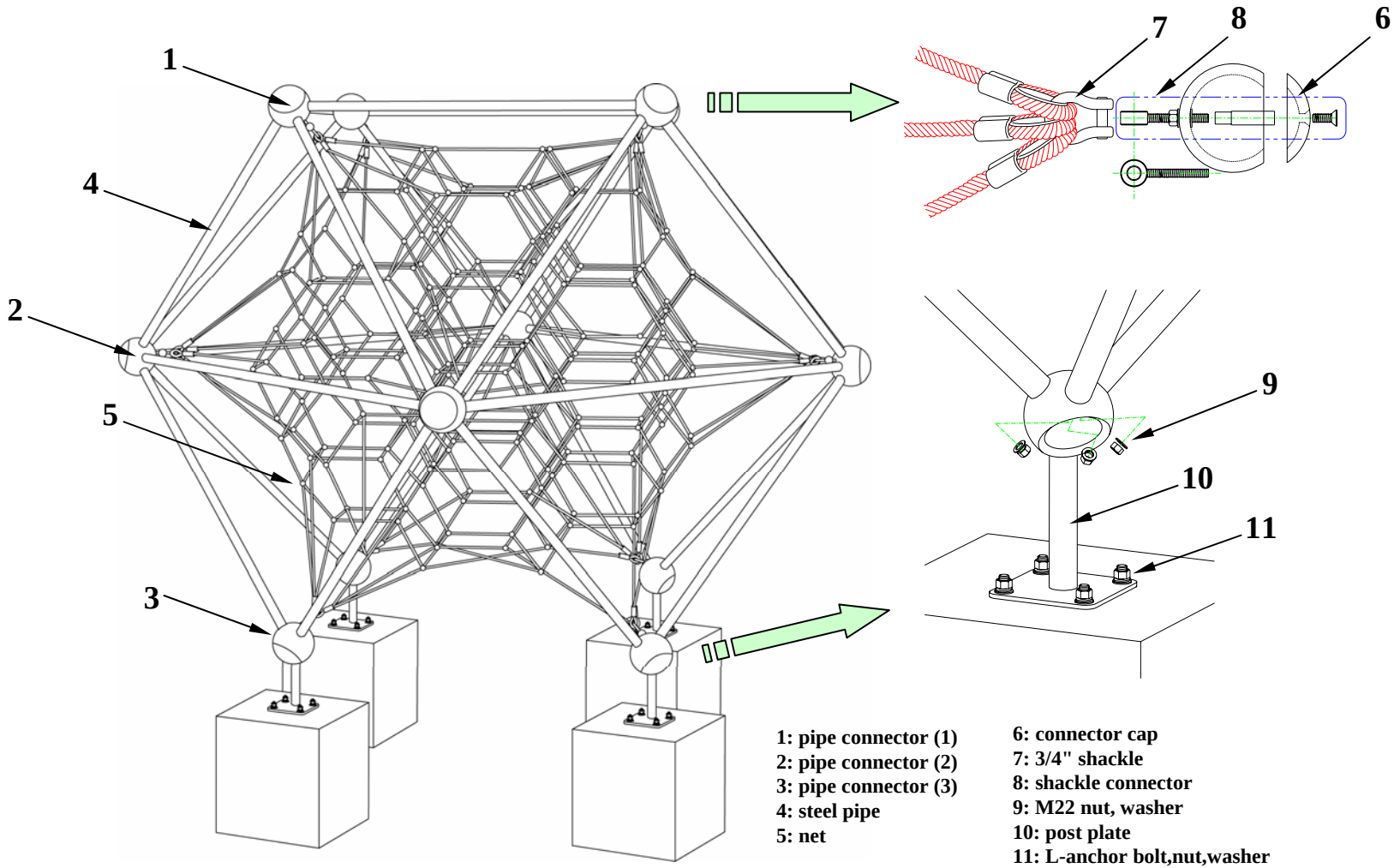


Figure-22 : completed Net

IGLOO NET
PARTS LIST

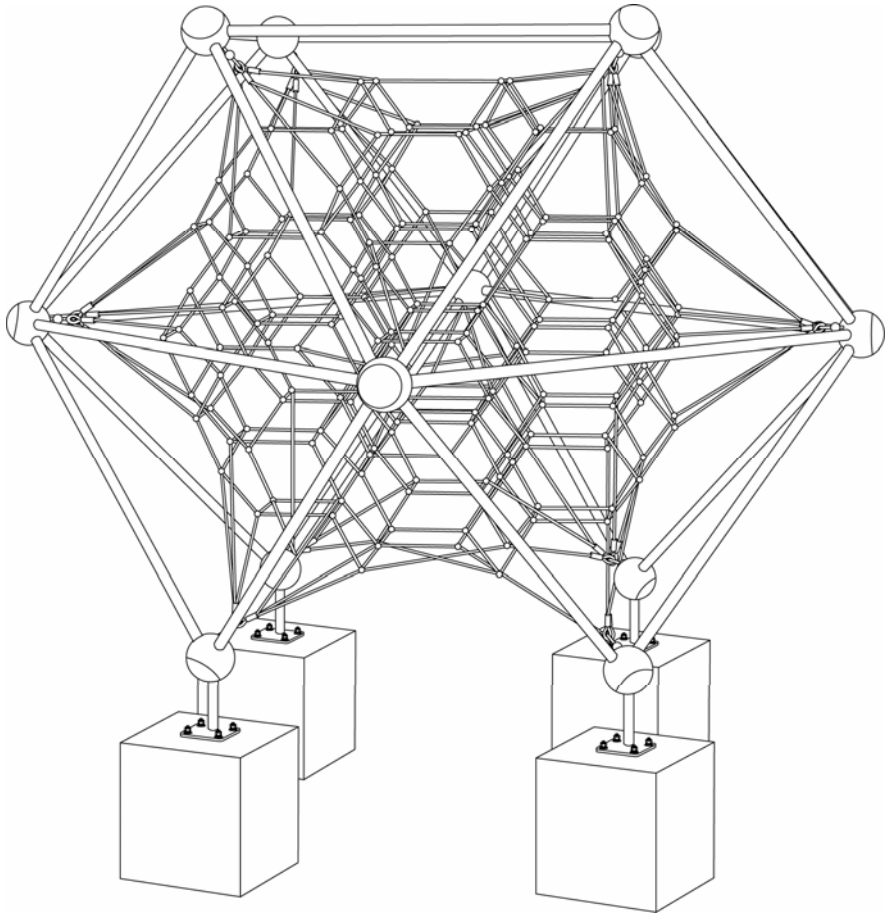
MODEL NO.
GS-W803



1: pipe connector (1)
2: pipe connector (2)
3: pipe connector (3)
4: steel pipe
5: net

6: connector cap
7: 3/4" shackle
8: shackle connector
9: M22 nut, washer
10: post plate
11: L-anchor bolt,nut,washer

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.



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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 tie 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) markig 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 th 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 compete person.