A G ACTIVE PLAY | AAIF GROUP | INFINITY MIDDLE EAST



PADEL COURT INSTALLATION MANUAL

FIELD SEQUENCE | COMPONENT ASSEMBLY | HANDOVER

INSTALLATION REFERENCE | REVISION R1 | 05 NOVEMBER 2026

Illustrative visual; not a photograph of a verified project installation.

Installation reference

Compiled from the supplied 18-page instruction set and its original figures.

Purpose

Organise the supplied panoramic padel court installation instructions into a field sequence with clearer section navigation and readable figure pages.

Sequence

Foundation and set-out; primary frame; glass and mesh; lighting; artificial turf; net.

Component labels

Accessory IDs such as M1-M5, H4-H6, I1-I11, J2-J7, K1-K6 and F3-F9 are reproduced from the source. Match every ID to the packing list supplied with the actual court kit.

Technical authority

Approved project drawings, manufacturer instructions, electrical design and site-specific method statements govern where they provide additional or different requirements.

Scope limits

The source instruction set does not provide a complete project-specific structural design, bolt torque schedule, electrical protection design or glass lifting plan. Confirm those items with the responsible engineer, manufacturer and qualified installers before work.

Overall structure image

The source overall-structure figure was obscured. The clean illustration used here is a re-render from visible labels and is illustrative only; it is not manufacturer-issued and contains no verified dimensions.

STATUS

Reference for installation planning. Confirm the current approved project details before construction.

Site readiness and sequence

Use the approved project documents and the kit packing list alongside this manual.

01	**Foundation**	Construct to the approved detail.
02	**Set-out**	Confirm court layout and reserve electrical conduits before floor casting.
03	**Frame**	Install columns, lateral tubes and crossbars.
04	**Infill**	Install glass, connecting plates and mesh frames.
05	**Lighting**	Install posts and route cables as shown; electrical design controls connection.
06	**Playing surface**	Install turf by professionals; confirm infill product and quantity.
07	**Net**	Install as illustrated and confirm final arrangement with supplier.

PRE-START HOLD POINTS

Review approved layout and foundation details; verify components and accessory IDs; coordinate cable conduits before concrete work; confirm glass handling and lifting arrangements; use the site-approved risk controls and qualified electrical personnel. Stop and clarify any mismatch before assembly.

Overall structure

Illustrative re-render based on visible source labels; verify the selected configuration with the manufacturer.

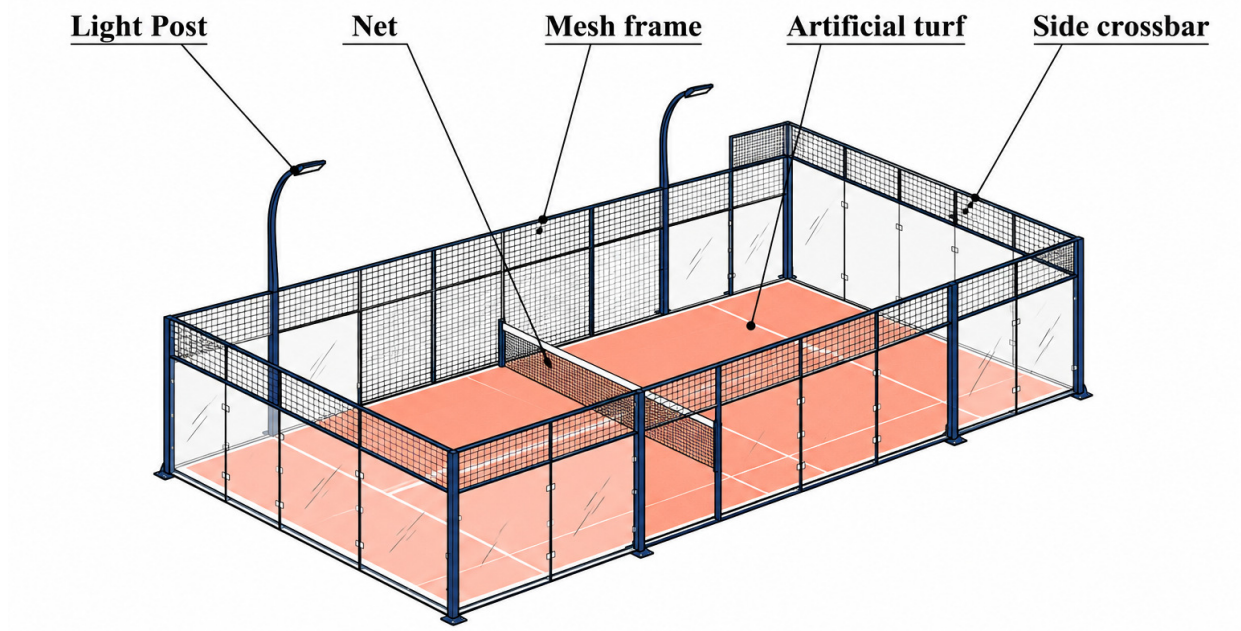


Figure 1. Light post, net, mesh frame, artificial turf and side crossbar. The re-render is for orientation only; it is not to scale and does not replace approved drawings.



STAGE 01

Foundation & set-out

Build the foundation and establish the court layout before frame assembly.

Foundation construction

Build the foundation to the approved project detail and the supplied figure. The source figure shows the foundation section; confirm all dimensions and reinforcement on the approved drawings.

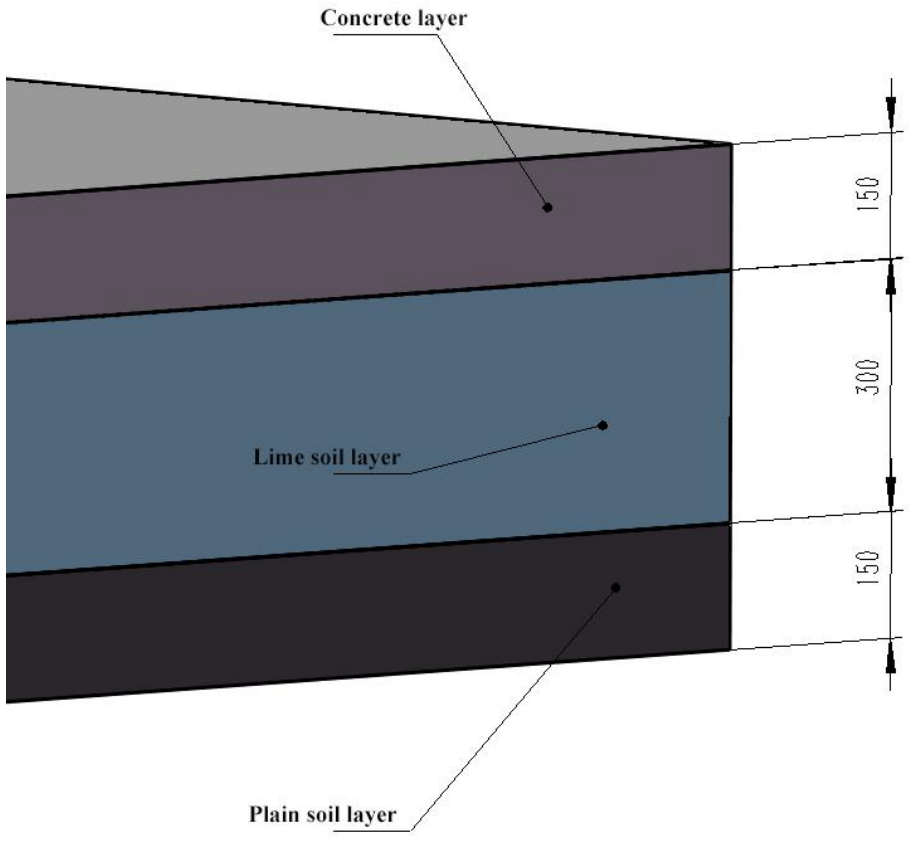
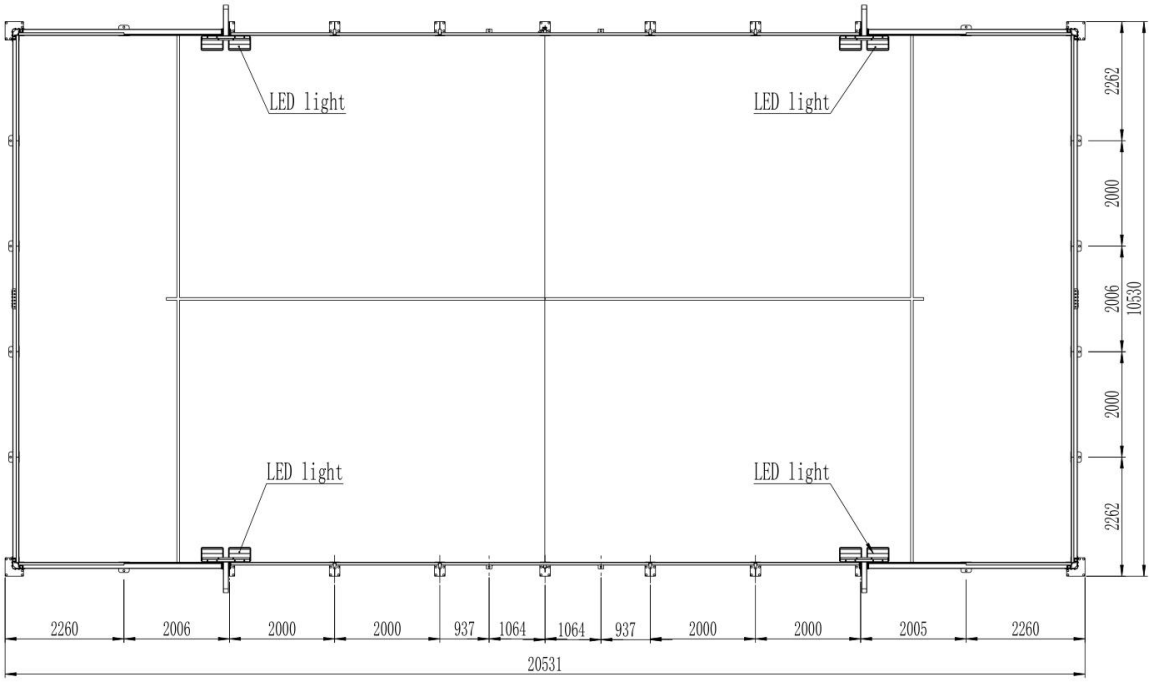


Fig. 2

Reference: supplied installation instruction, source page 3. Confirm project-specific details before proceeding.

Court layout

The supplied instruction states that light posts connect with the posts marked III. Reserve electrical cable conduits before making the concrete floor.



Court layout figure

Reference: supplied installation instruction, source page 4. Confirm project-specific details before proceeding.

Component layout

Use the numbered component layout with the kit packing list. The source identifies columns, mesh frames, light posts, net and tempered glass.

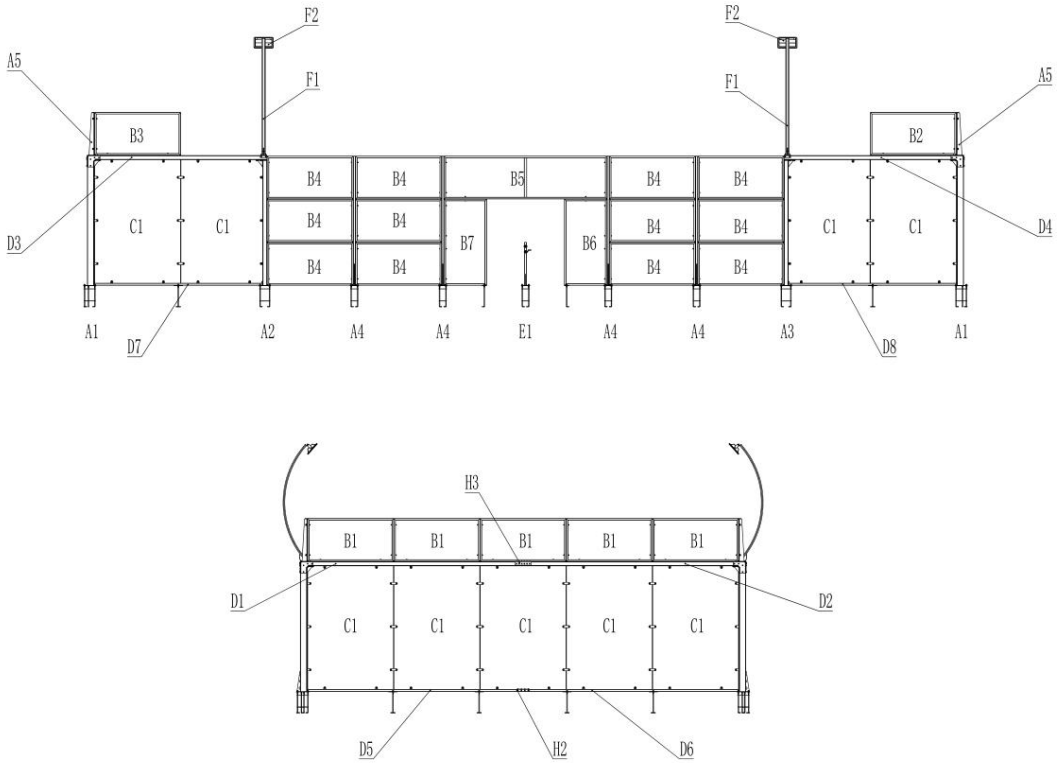


Fig. 3

Reference: supplied installation instruction, source page 5. Confirm project-specific details before proceeding.



STAGE 02

Frame assembly

Assemble the primary structure in the sequence shown; match every fitting ID to the packing list.

ILLUSTRATIVE VISUAL | ORIGINAL INSTALLATION FIGURES FOLLOW

Column and pole installation

Follow the source figure and verify component orientation before tightening connections.

- Install the column and pole with accessories M1-M5 as shown in Figure 4.
- The source note directs the installer to Figure 7 for pole A4 installation; verify the drawing/component reference against the supplied kit.

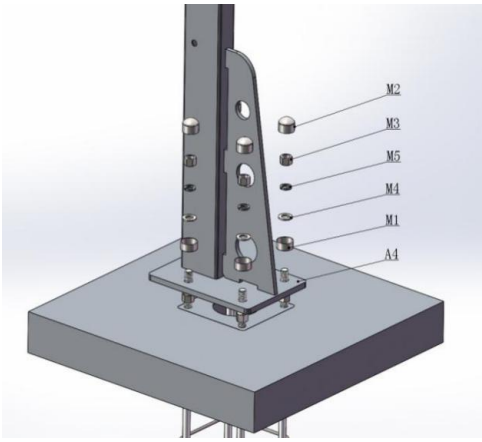


Figure 4



Figure 4

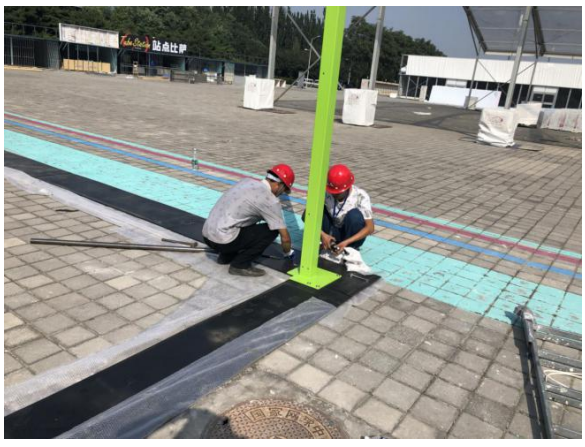


Figure 4



Figure 4

Source pages do not state bolt torque values; use the approved manufacturer/project requirement.

Lateral tube installation

Follow the source figure and verify component orientation before tightening connections.

- Install the lateral tube end with the accessories shown in Figure 5.
- Connect the lateral tube to corner and side columns using H4-H6.
- Use M1-M5 to connect the ear plate of the lateral bottom tube to embedded part L5.



Figure 5

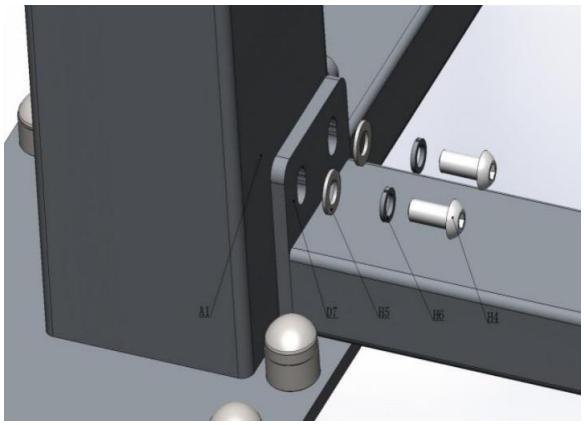


Figure 5

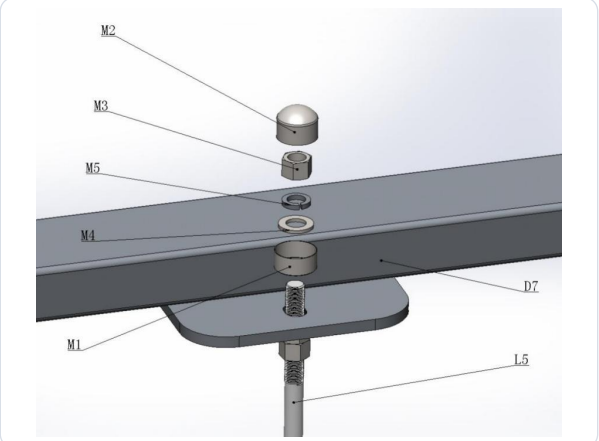


Figure 5

Source pages do not state bolt torque values; use the approved manufacturer/project requirement.

Bottom tube installation

Follow the source figure and verify component orientation before tightening connections.

- Use H4-H6 to connect D5 and D6 with H2.
- Connect the lateral ends of D5 and D6 with A1.



Figure 6



Figure 6

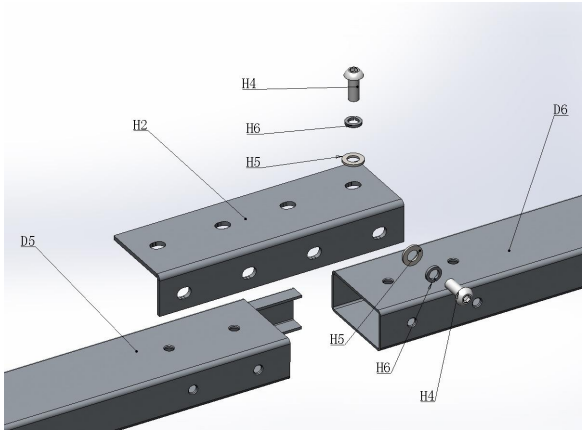


Figure 6

Source pages do not state bolt torque values; use the approved manufacturer/project requirement.

Main crossbar installation

Follow the source figure and verify component orientation before tightening connections.

- Use H4-H6 to connect D1 and D2 with H3.
- Then connect the lateral crossbar with A1.

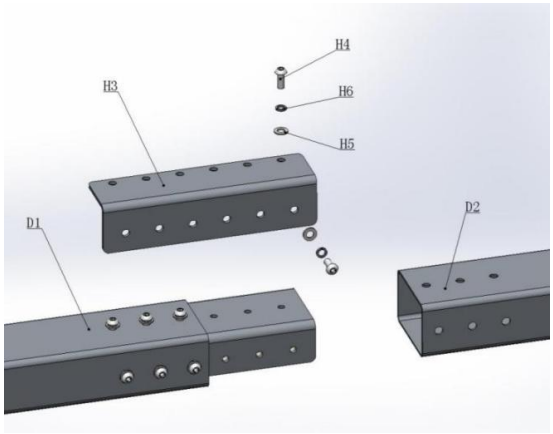


Figure 7



Figure 7



Figure 7

Source pages do not state bolt torque values; use the approved manufacturer/project requirement.

Lateral crossbar installation

Follow the source figure and verify component orientation before tightening connections.

- Use H4-H6 to connect the side-frame lateral ends with the corner and side columns.

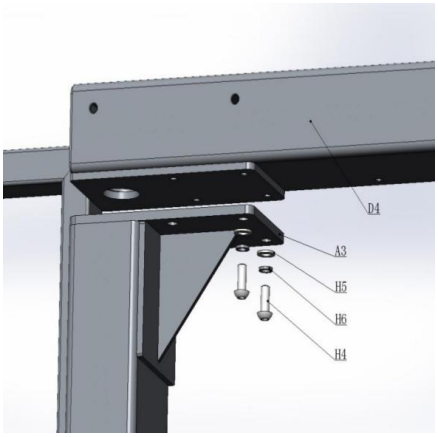


Figure 8

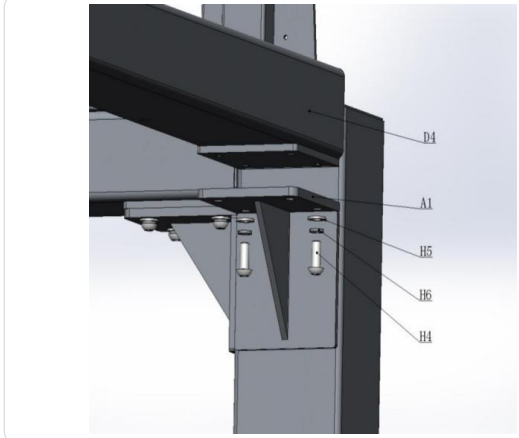


Figure 8



Figure 8

Source pages do not state bolt torque values; use the approved manufacturer/project requirement.



STAGE 03

Glass & mesh

Install glazing, connecting plates and mesh frames in sequence.

Tempered glass installation

Retain the source accessory references and follow the matching kit packing list.

- Use accessories I8-I10 to install ear plates I5 and I6 as shown in Figure 10.
- Before placing the glass, connect rubber I11 under both bottom ends.
- Use an approved glass handling and lifting method; the source provides no glass-handling plan.

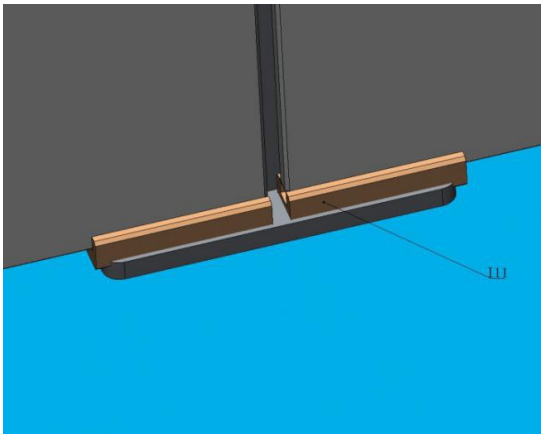


Figure 10

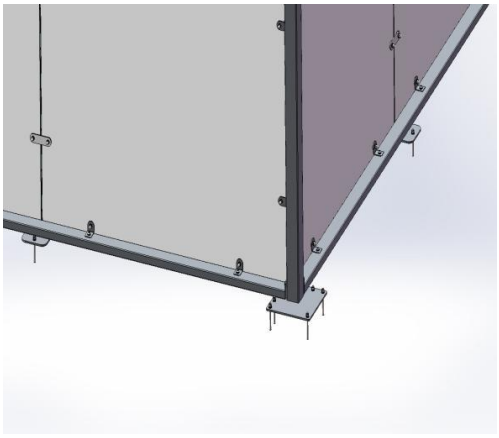


Figure 10



Figure 10

Connecting plate installation

Retain the source accessory references and follow the matching kit packing list.

- Install the connecting plate with accessories I1-I7 as shown in Figure 11.
- If the glass does not align with the ear plate, check the glass orientation before proceeding. Do not force alignment.

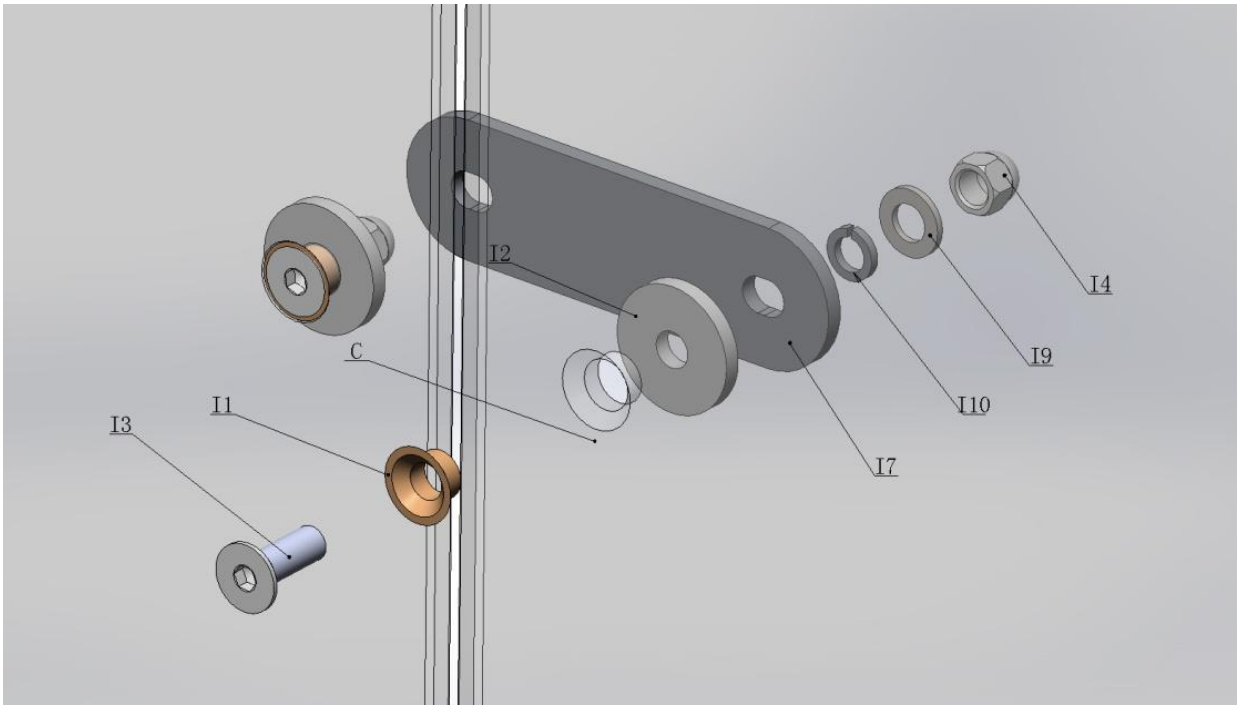


Figure 11

Mesh frame B1-B3

Retain the source accessory references and follow the matching kit packing list.

- Use accessories J2-J7 to install mesh frame components B1-B3 as illustrated.

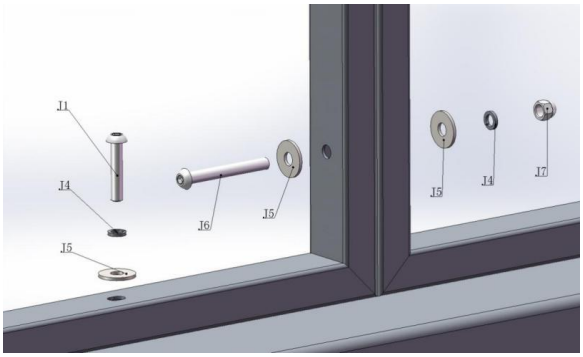


Figure 13

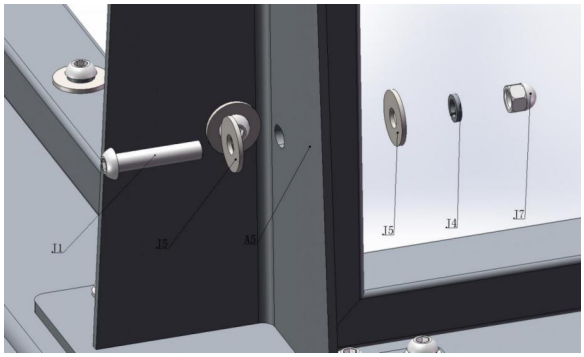


Figure 13

Mesh frame B4

Retain the source accessory references and follow the matching kit packing list.

- Use accessories K1-K5 to install mesh frame component B4 as illustrated.

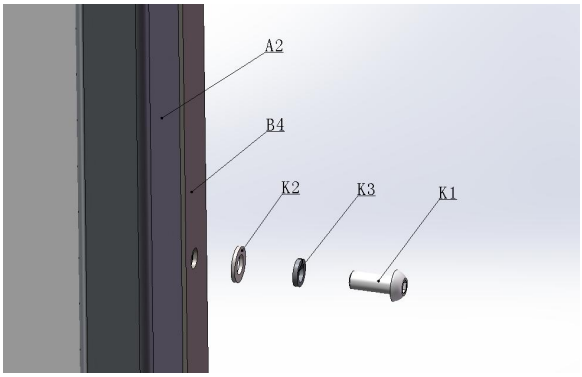


Figure 14

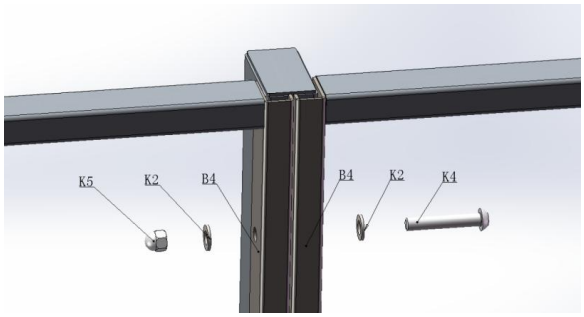


Figure 14

Mesh frame B5-B7

Retain the source accessory references and follow the matching kit packing list.

- Use accessories K2-K6 to install mesh frame components B5-B7 as illustrated.



Figure 15

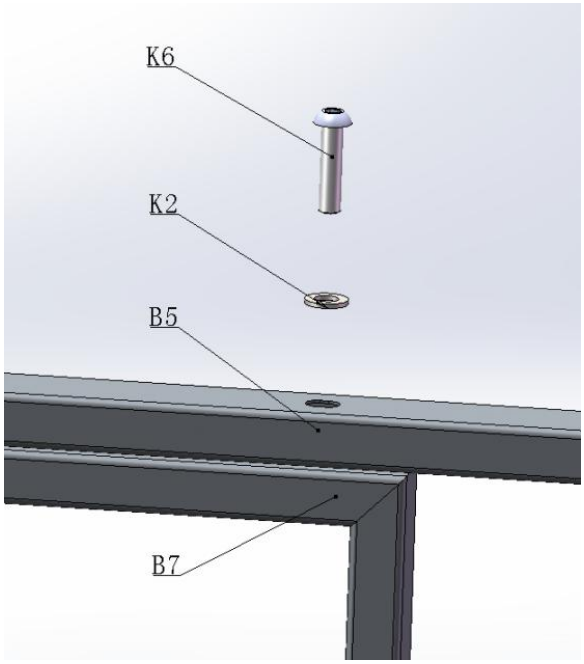


Figure 15



STAGE 04

Lighting & playing surface

Complete the light post, artificial turf and net in coordination with approved project details.

Light post installation

Coordinate all cable routing and connections with approved electrical drawings.

- Install the LED light on the light post with accessories F6-F9.
- Route the cable through position 1, out through position 2, and connect to the cable on the ground as shown.
- Use F3-F5 to connect the light-post component to side main-frame component A3.
- Electrical terminations, protection and testing are not specified in the source; use the approved electrical design and qualified personnel.

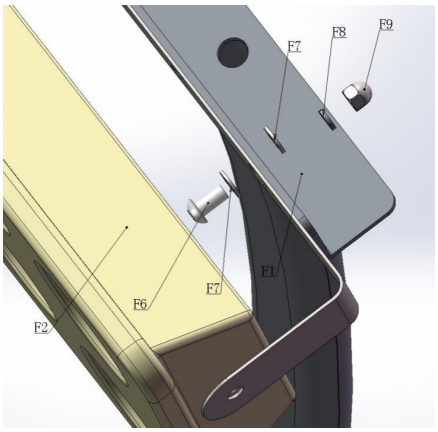


Figure 16

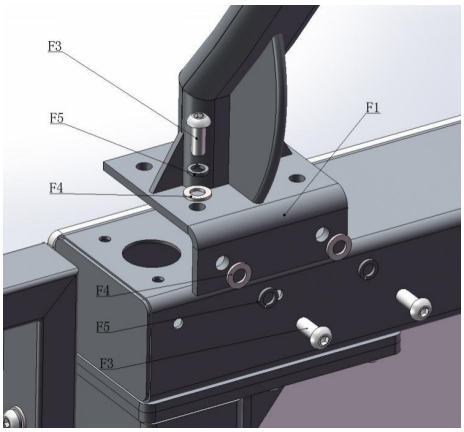


Figure 16



Figure 16

Artificial turf installation

The source states that turf should be installed by professionals.

- Follow the turf manufacturer’s approved installation instructions and court line layout.
- The supplied source states: fill with “50 granularity” quartz sand at 15 kg/m2. Confirm the grading terminology and coverage against the approved product data before installation.

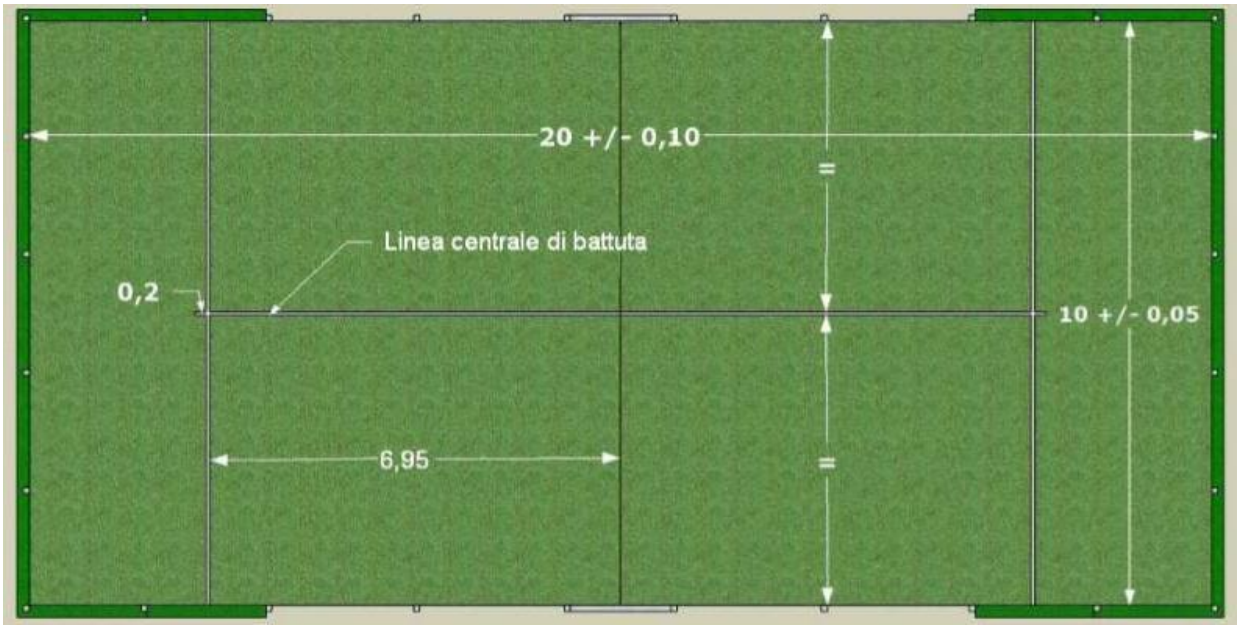


Figure 17 - white-line position

Net installation

Use the supplied installation figure and the manufacturer’s current instructions.

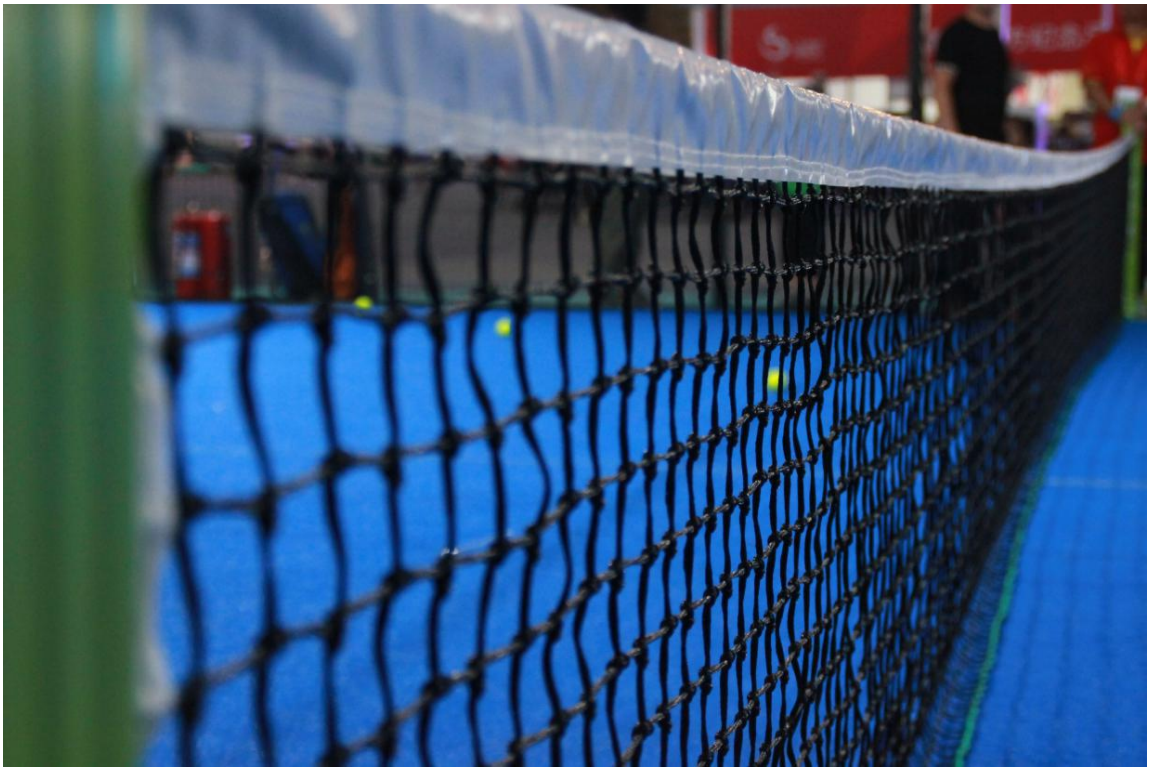


Figure 18

The source provides a figure but no net-height, tension or adjustment values. Confirm those requirements against the approved court specification and supplier instructions.

Installation review

Record the completed work against the approved project documents and supplier requirements.

- Confirm the installed court layout, foundation and embedded parts match approved project drawings.
- Confirm frame members and accessory IDs match the packing list; record any substitutions or deviations for approval.
- Check the glass seating, rubber placement, panel orientation and connecting plates against the supplier instructions.
- Confirm mesh frames, lighting posts, turf and net are installed and secure under their respective approved method statements.
- Have electrical connection and testing completed by qualified personnel to the approved electrical design.
- Record turf infill product and coverage; the supplied instruction gives 15 kg/m2 but describes the grading as “50 granularity”.
- Complete final inspection, commissioning records and handover documents required by the project.

This manual reorganises the supplied installation instructions. It is not a substitute for project-specific engineering, approved shop drawings, manufacturer clarifications or site safety procedures.