

Car Turntable Installation Planning Brief

A practical pre-drawing checklist for pit, floor, drainage, power, delivery and handover

PLANNING REFERENCE - NOT FOR CONSTRUCTION

Help a buyer, architect, civil contractor, electrical contractor and equipment supplier agree the site inputs before final drawings and quotation.

This brief is for planning only. The approved project drawing, quotation and local code requirements govern final dimensions, loads, interfaces and installation work.

Use this brief before final drawing review

Collect the vehicle, site, civil, electrical and delivery inputs. Then agree the final project scope in the approved drawing and quotation.

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1. Start with the vehicle and the site

A useful installation review starts with the largest vehicle and the real site constraints, not with a guessed platform diameter.

- Record the largest expected vehicle: overall length, width, wheelbase, ground clearance and operating weight.
- Confirm approach direction, gate and door clearances, usable turning envelope and finished-floor level.
- Identify whether the project is a new build, renovation or retrofit, and whether a pit is acceptable.
- Share measured site dimensions, photos and available CAD or PDF drawings before final selection.

2. Select a planning direction - not a final model

Two common planning directions have different civil interfaces. Final selection remains subject to project review.

Planning direction	Typical site interface	Review first
CTA / pit-mounted direction	Platform is planned around a prepared pit so the finished surface can align with the surrounding floor.	Pit geometry, structural support, drainage, conduit route and finished-floor tolerance.
CTB / surface-mounted direction	Platform is planned above the existing floor when a new pit is impractical or undesirable.	Floor flatness and capacity, access transition, edge treatment, cable route and clear height.

3. Civil works: pit, floor and drainage

The local project team should resolve civil conditions before equipment arrives.

- Pit-mounted direction: wait for the approved project drawing before forming the pit, anchors, recesses or embedded items.
- Surface-mounted direction: verify the existing floor is flat, stable and suitable for the selected arrangement.
- Set the intended finished-floor level and any surface finish early; do not assume generic tolerances.
- Provide a drainage route where water may enter the installation area. The local designer determines the lawful discharge method.
- Keep water, debris and uncontrolled site work away from equipment, cabling and control locations during installation.

4. Electrical and control interface

Electrical inputs must be confirmed for the actual project and local rules.

- Confirm the available supply, voltage, frequency, phase and earthing arrangement with a qualified local electrician.
- Agree the cable and conduit route, isolator location, control location and protection requirements before closing civil work.
- Keep power and control routing accessible for installation, inspection and future maintenance.
- Do not energize or commission the equipment until mechanical installation and project-specific electrical checks are complete.

5. Packing, unloading and installation readiness

Delivery planning is part of installation planning. Confirm access and lifting responsibilities before dispatch.

- Confirm packing list, package dimensions and weights for the selected project before arranging transport or lifting.
- Check truck access, unloading area, crane or forklift suitability, lifting route and temporary storage conditions.
- Do not lift from unapproved points or unpack in an area exposed to avoidable water, impact or contamination.
- Complete pit/floor, drainage, conduit and power preparation before the installation team mobilizes.
- Agree who receives, counts and protects packages, and who records any transport damage.

6. Responsibility matrix

The following is a planning allocation. The project contract and approved documents must assign final responsibility.

Workstream	Buyer / project lead	Local architect / civil	Local electrical	Installer / mechanical	Huanyu / supplier
Vehicle and use brief	Own / approve	Review	Input if needed	Input if needed	Review and advise
Site measurement and access	Coordinate	Own / verify	Verify electrical access	Verify install access	Review submitted information
Pit, slab, floor and drainage	Approve scope	Design / execute locally	Coordinate conduit	Check readiness	Provide project interface information
Power, protection and earthing	Approve scope	Coordinate	Design / execute locally	Coordinate	Provide project electrical requirements
Packing, freight and unloading	Coordinate destination	Confirm site access	Not normally owner	Plan lifting / receipt	Provide project packing information
Mechanical installation	Provide access	Confirm civil handover	Coordinate power readiness	Execute per agreed scope	Provide project instructions / support per contract
Commissioning and handover	Witness / accept	Close civil items	Complete electrical checks	Complete mechanical checks	Support per agreed project scope

7. Send the right information for drawing review

A short initial request is enough. Detailed files can be exchanged after the project route is confirmed.

Send Site / Pit Photos

Start with the project request form, then use the agreed email or WhatsApp route for files.

Email CAD / PDF

State that drawings are available in the request form; exchange CAD or PDF by the agreed email route after reply.

Request Drawing Review

Submit the largest vehicle, site stage and known constraints through the project request form.

The website form accepts a short project brief, not file uploads. Share drawings and photos through the email or WhatsApp route agreed with your project contact. Remove unrelated personal or confidential information before sharing.

8. Pre-installation handover checkpoint

Use this checkpoint before installation mobilization and again before commissioning.

	Pre-installation checkpoint
[]	Largest vehicle and intended operating use confirmed
[]	Approved project drawing and quotation identified as governing documents
[]	Pit or surface-mounted planning direction confirmed
[]	Pit/slab/floor readiness checked against the approved project drawing
[]	Drainage route and finished-floor interface confirmed
[]	Power, earthing, protection, isolator and cable route confirmed by local electrical party
[]	Packing list, unloading equipment, lifting route and temporary storage confirmed
[]	Mechanical installer, local contractors and project lead have a shared responsibility list
[]	Photos and drawings routed through agreed email or WhatsApp channels
[]	No commissioning until mechanical and electrical checks are complete

Project coordination: huanyuparking.com/car-turntable/car-turntable-installation/

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