

## BASKETBALL EQUIPMENT\_ MAINTENANCE & WARRANTIES

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BB01 GRIZZLY TOWER  
BB02 MIGHTY TOWER  
BB03 ADJUSTABLE TOWER  
BB04 FOUR WAY TOWER  
BB05 HIGH FIVE SEAT  
BB06 PARK LIGHT

Outdoor Basketball Equipment receives heavy use subject to players slam-dunking, hanging off the hoop, climbing on the equipment, wind loads, fatigue loading, coastal conditions, and vandalism in unsupervised outdoor environments.

As the Tower's stability relies on a single post, periodic inspections must be carried out to ensure public safety.

The owner's responsibility is to maintain a program of routine inspections and maintenance as per the Parklife Terms and Conditions and ensure maintenance is site and use specific.

Parklife is to be contacted immediately if any issues are detected.

Parklife must authorise any repairs, and Parklife must supply replacement parts.

Not doing so voids the warranty and may result in severe injury or death.

The following is a guideline only.

### **INSTALLATION**

Ensure the equipment was installed as per Parklife's installation drawings.

### **DAILY ROUTINE INSPECTION**

*Inspection intended to identify apparent hazards resulting from everyday use, vandalism, or weather conditions - NZS 5828:2015.*

Carry out a visual check including but not limited to:

Bolts, washers, and nuts - check all are present and torqued.

Metalwork, welds, and coatings - check for signs of damage, scratches, and rust.

Net - check it is attached and note the condition of it.

Warning Sign - check it is present and note its condition of it.

### **MONTHLY OPERATIONAL INSPECTION**

*Inspection, more detailed than routine visual inspection, to check the operation and stability of the equipment - NZS 5828:2015.*

Carry out a detailed visual inspection including but not limited to:

Bolts, washers, and nuts - check all are present and torqued.

Metalwork, welds, and coatings - inspect for signs of damage, scratches, rust, and fatigue cracks.

Footing (if not captured in the court) - inspect for any movement.

Court - inspect for cracking of concrete/asphalt around the base that may cause water to penetrate down into the footing.

## **ANNUAL MAIN INSPECTION**

*Inspection intended to establish the overall level of safety of equipment, foundations and playing surfaces - NZS 5828:2015.*

Carry out a detailed inspection by an independent third party, including but not limited to:

Bolts, washers, and nuts - check all are present and torqued.

Metalwork, welds, and coatings - inspect for signs of damage, scratches, rust and fatigue cracks.

Footing (if not captured in the court) - inspect for any movement.

Court - inspect for cracking of concrete/asphalt around the base that may cause water to penetrate down into the footing.

Carry out non-destructive testing (NDT) if required.

## **GENERAL**

Vegetation - ensure existing vegetation has been maintained a minimum of 2m from the equipment.

New trees - ensure new tree plantings are a minimum of 4m from the equipment.

Vehicles (including maintenance mowers) - ensure they are kept a minimum of 2m from the equipment.

Pesticides and Herbicides - ensure they are kept well clear of the equipment.

Graffiti - contact Parklife to advise the appropriate strategy to remove.

## **CONTACTS**

Supplier

Parklife  
0295 348 859  
[info@parklife.co.nz](mailto:info@parklife.co.nz)  
[www.parklife.co.nz](http://www.parklife.co.nz)

Structural Engineers

ACH Consulting Engineers (Design Certifiers)  
09 839 7050  
[info@achconsulting.co.nz](mailto:info@achconsulting.co.nz)  
[www.achconsulting.co.nz](http://www.achconsulting.co.nz)

Third Party Inspections

Materials and Testing Laboratories  
09 579 0262  
[sales@mtlabs.co.nz](mailto:sales@mtlabs.co.nz)  
[www.mtlabs.co.nz](http://www.mtlabs.co.nz)

## **WARRANTIES**

- BB01 GRIZZLY TOWER - 5 years (excludes Net)
- BB02 MIGHTY TOWER - 5 years (excludes Net)
- BB03 ADJUSTABLE TOWER - 5 years (excludes Net)
- BB04 FOUR WAY TOWER - 5 years (excludes Nets)
- BB05 HIGH FIVE SEAT- 5 years
- BB06 PARK LIGHT - 1 year

The warranty only applies to correctly maintained products.

It does not cover any damage caused by accident, improper care, negligence, normal wear and tear, cosmetic issues, misuse, vandalism, and repairs carried out by any third party not approved by Parklife.

Any alterations to the product or third-party parts replacements that do not comply with the certified, engineered design will void the warranty.

To ensure public safety, any repairs need to be carried out by Parklife, or a Parklife approved repair agent using Parklife supplied parts.

Subject to Parklife Terms and Conditions.

## BASKETBALL TOWER\_ INTERNAL CHECKLIST

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### DESIGN

- \_\_\_ PS1 Producer Statement from Design Engineer
- \_\_\_ PS2 Producer Statement from Design Review Engineer

### MATERIALS

- \_\_\_ Evidence minimum grade for the hollow sections is G350 per AS/NZS 1163:2016
- \_\_\_ Evidence minimum grade for plates and gussets is G250 per AS/NZS 3678:2016

### MANUFACTURE

- \_\_\_ Welding Certificate confirming all welds are SP (Structural Purpose) category per AS/NZS 1554.1:2014 and welding consumables are minimum B-E49XX
- \_\_\_ Evidence all structural bolts and nuts are Stainless Steel 316
- \_\_\_ Warning labels attached

### INSTALLATION

- \_\_\_ PS4 Producer Statement from Geotechnical Engineer confirming soil parameters, embedment depths and dimension of footing(s)
- \_\_\_ PS4 Producer Statement from Engineer confirming load testing has been carried out, and the results are within the acceptable ranges
- \_\_\_ PS3 Producer Statement from the Installation Contractor
- \_\_\_ Visual inspection carried out on all the paints/coats to ensure no scratches/damages

### HANDOVER DOCUMENTS

- \_\_\_ As-builts
- \_\_\_ Maintenance Schedule
- \_\_\_ Warranties
- \_\_\_ Receipt of acknowledgement Handover Documents from Council Project Manager.

END

## BASKETBALL TOWER\_SPECS

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### DESIGN

#### Consultants Qualifications

- Chartered Professional Engineer
- ISO9001 Quality Management System.

#### Structural System

- Loading to AS/NZ 1170
- 400kg / 1.5 safety factor / 6kN
- Extra-High Wind Zone
- Assumed 'Good Ground' as defined NZS3604:2011 (ultimate bearing capacity 300kPa)
- Brom's formula was used to calculate pile embedment.

#### Materials

- All Steel has a minimum tensile strength of  $f_y=300$  MPa to comply with AS/NZS 4671:2001; AS/NZS 3679:2016; AS/NZS 3101:2006
- Assumed 600mm OD x 1500 mm deep Concrete Footing (by others) to comply with NZS 3101:2006.

#### Protection

- Coating system to C4 Category/min. 15 years.

#### Playability Dimensions

- 1500mm Free Space (front of the backboard to front of a pole)
- 1050x1800mm Backboard
- 3050mm Hoop above court level.

#### Safety in Design

- 1500mm Free Space for player safety (front of the backboard to front of the pole)
- Lifting Eyes
- Gussets at critical weld points
- Internal Spigot (safety pin)
- Tamper-resistant fixings
- Warning Sticker.

#### Warranty

- 5-year Warranty.

#### Documentation

- IPENZ PS1 - Design
- Installation Drawings
- Maintenance and Warranties Document.

## **MANUFACTURE**

### Manufacturers Qualifications

- AS/NZS 2214:2019 Certification of welding supervisors - Structural steel welding.
- ISO9001.

### Adherence to applicable NZ Standards including:

- Steel NZS 3404:2016
- Welding AS/NZS 1554.1:2014
- Fixings AS/NZS 1252:2016
- Galvanising AS/NZS 4680:2006.

### Quality Management System

- Materials Certification (if requested at the placement of order – costs apply)
- Coatings Certification (if requested at the placement of order – charges apply)
- Third-Party Weld Inspection Certification (if requested at the order placement – fees apply).