

Picket Twenty Public Art 'Torch' Sculpture, Urban Park Landmark - Design 1B2



Torch Sculpture Urban Park - Elevation Scale 1.10 2AO

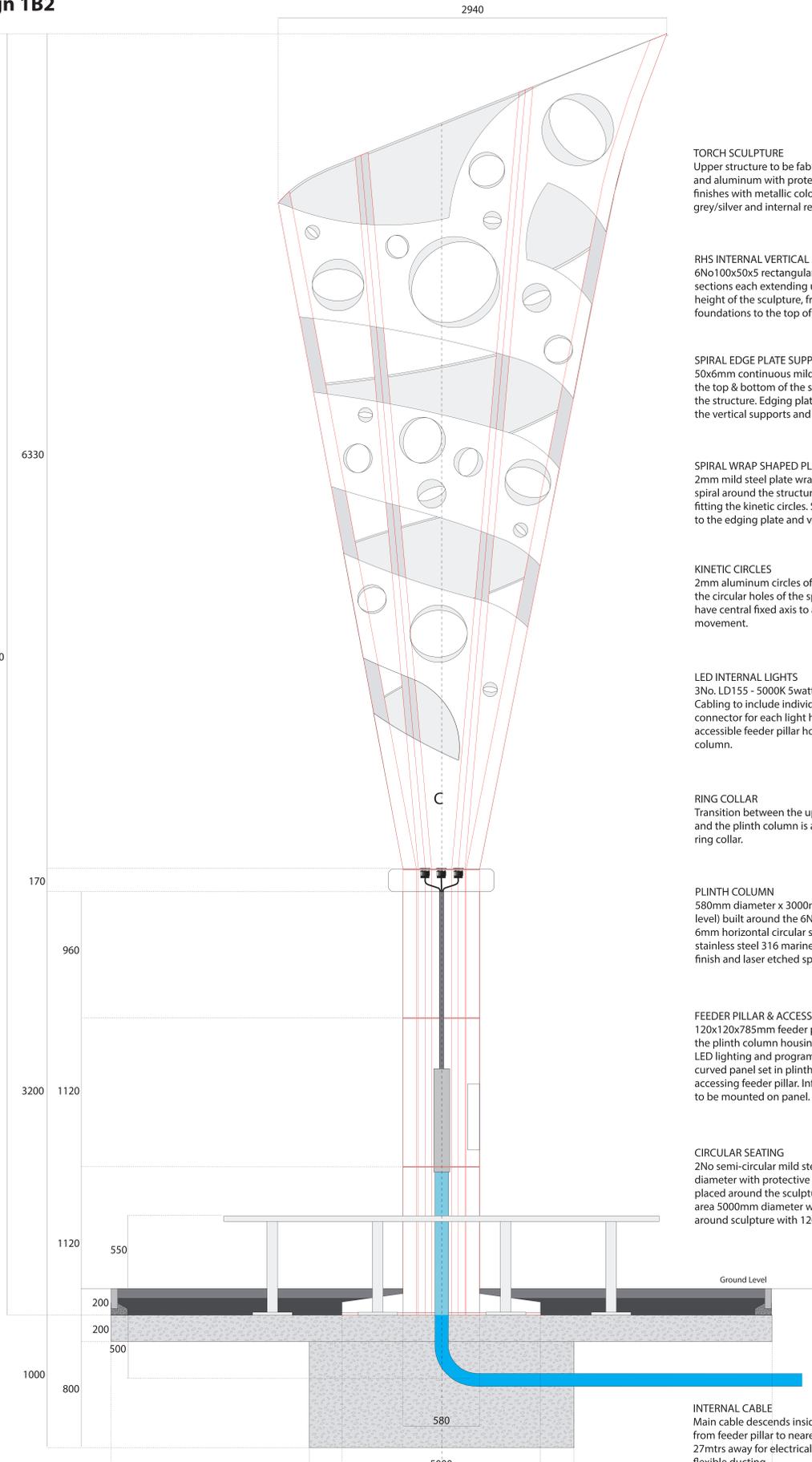
A 9.5mtr tall landmark sculpture for the Urban Park at Picket Twenty to be located on a central green mound near the Picket Twenty Sports Ground Building, sport pitches, car parks and access roads.

The 'Torch' Sculpture represents a symbol of hope that guides, like a signal fire of old on a hill, of flaming tower or pole, people to the Urban Park. The idea for the Olympic torch was derived from ancient Greece, where a sacred fire was kept burning throughout the celebration of the ancient Olympics on the altar of the sanctuary of Hestia. In Ancient Greek mythology, fire had divine connotations – it was thought to have been stolen from the gods by Prometheus. Every four years, when Zeus was honoured at the Olympic Games, additional fires were lit at his temple and that of his wife, Hera. The modern Olympic flame is still ignited in front of the ruins of the temple of Hera. During the build up to the London 2012 Olympic Games was processed through the Picket Twenty Urban Park. The Torch design takes the form of sweeping 'movement' curves with kinetic elements.

The main structure to be fabricated in mild steel & aluminum with protective powder coat finishes and stainless steel 316 marine grade. The kinetic element to be an array of different size rings set in the structure of the sculpture with circular perforated plates that spin in the breeze of the urban park. The sculpture to have LED lighting with colour changing programme to illuminate the internal coloured stainless steel at night - power source a lamp column located 27mtrs away from the Torch Sculpture.



Urban Park - Site Plan Scale 1.300 2AO



TORCH SCULPTURE
Upper structure to be fabricated in mild steel and aluminum with protective powder coat finishes with metallic colours - external grey/silver and internal red and orange.

RHS INTERNAL VERTICAL SUPPORTS
6No 100x50x5 rectangular mild steel hollow sections each extending upwards for the full height of the sculpture, from the concrete foundations to the top of the structure.

SPIRAL EDGE PLATE SUPPORTS
50x6mm continuous mild steel edge plate on the top & bottom of the spiral wrap around the structure. Edging plate to be welded to the vertical supports and spiral wrap.

SPIRAL WRAP SHAPED PLATE
2mm mild steel plate wrap creating a continuous spiral around the structure with circular holes for fitting the kinetic circles. Spiral wrap to be welded to the edging plate and vertical supports.

KINETIC CIRCLES
2mm aluminum circles of various sizes fitted into the circular holes of the spiral wrap. The circles to have central fixed axis to allow wind kinetic movement.

LED INTERNAL LIGHTS
3No. LD155 - 5000K Swatt with adjustable beam. Cabling to include individual waterproof connector for each light housed within the accessible feeder pillar housed in the base column.

RING COLLAR
Transition between the upper torch sculpture and the plinth column is a 170mm diameter ring collar.

PLINTH COLUMN
580mm diameter x 3000mm height (to ground level) built around the 6No. RHS Sections and 6mm horizontal circular support plates in 2mm stainless steel 316 marine grade with dull polish finish and laser etched sport figure motifs.

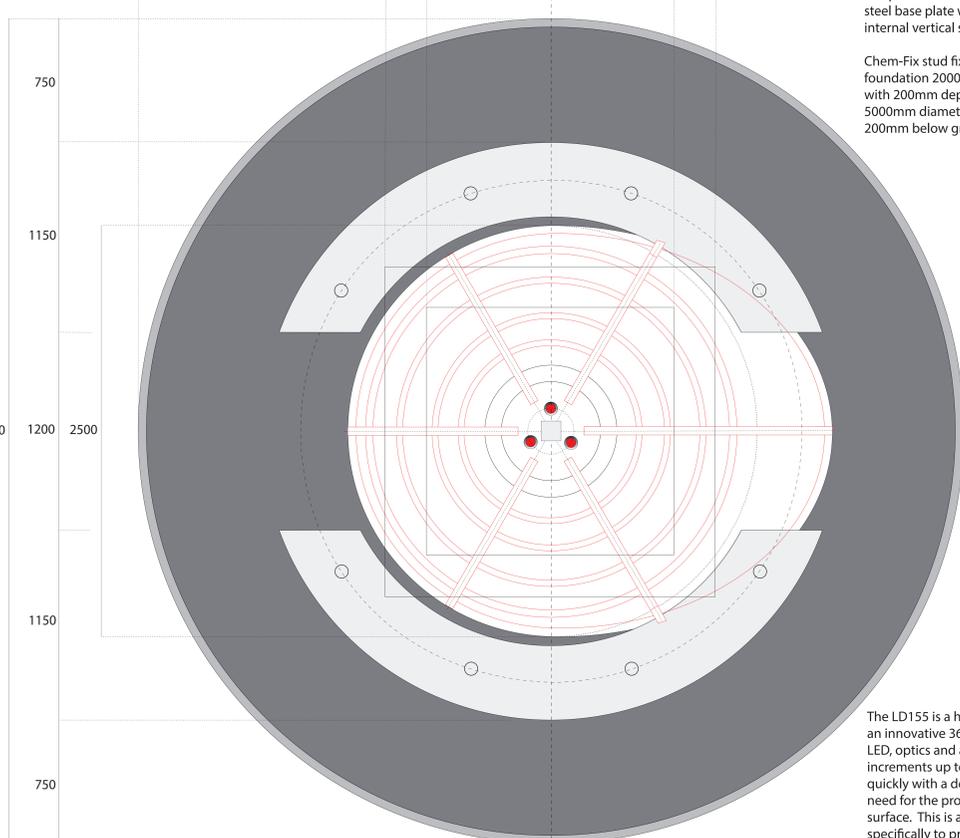
FEEDER PILLAR & ACCESS PANEL
120x120x785mm feeder pillar located within the plinth column housing power supply for LED lighting and programmer. Removable curved panel set in plinth column for accessing feeder pillar. Information plaque to be mounted on panel.

CIRCULAR SEATING
2No semi-circular mild steel benches 3500mm diameter with protective powder coat finishes placed around the sculpture on a tarmac surface area 5000mm diameter with edging strip. Access around sculpture with 1200mm width pathway.

INTERNAL CABLE
Main cable descends inside the plinth column from feeder pillar to nearest lamp column located 27mtrs away for electrical power underground via flexible ducting.

BASE PLATE & CONCRETE FOUNDATION
Sculpture to be mounted on 1500x1500x15mm steel base plate with fins welded to the 6No. RHS internal vertical supports.

Chem-Fix stud fixings to pre-cast central concrete foundation 2000x2000x1000mm extending out with 200mm depth for the circular seating and 5000mm diameter tarmac surface area. All set 200mm below ground level.



The LD155 is a high powered, adjustable uplight with an innovative 360° rotating ball joint containing the LED, optics and accessories, which can be tilted at set increments up to 25°. On-site focusing is achieved quickly with a detachable inner bezel, eliminating the need for the product to be removed from the mounting surface. This is a unique product that was designed specifically to provide lighting designers with a powerful uplight solution that ensures excellent thermal and light output performance and the ability to make easy adjustments to the beam position on-site.

Torch Sculpture Urban Park - Structural Elevation & Plan Scale 1.10 2AO

CLIENT	PROJECT	NOTES	AMENDMENTS	TITLE	DRAWING NO	DATE
Test Valley Borough Council	Picket Twenty Public Art Artist Tim Ward	DO NOT AMEND BY HAND CAD FILE NO DIMENSIONS ARE TO SCALED FROM THIS DRAWING - UNLESS FOR PLANNING PURPOSES OR SIMILAR THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS ON SITE ALL DIMENSIONS IN MILLIMETRES UNLESS OTHERWISE STATED COPYRIGHT - ORIGINAL ARTWORK REMAINS WITH CIRCLING THE SQUARE	12.01.22 First Issue 10.02.22 Second Issue 16.05.22 Third Issue	Urban Park Landmark Sculpture	PT 1B3	May 2022
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