



Mimic Aviation South African Helipads

Mimic Aviation offers a full Helipad service including design, certification, equipment and flight procedures and manuals for Helipads, Heliports as well as certified Aviation Lighting to Airfields.

All equipment made in South Africa is to South African Civil Aviation Authority (SACAA), and ICAO (International Civil Aviation Organisation) standards which is steadily becoming the standard throughout Africa. We are in touch with many Civil Aviation departments and work closely with them to ensure that Helipads and Heliports are correctly equipped, which is essential for legal, safety and insurance purposes.

We can also conduct site inspections and offer on site service in most African Countries.



Helipad typical Installation

North West Province Hospital Helipad

Complete Helipad installation Supervision, Certification, Lighting, Wind Direction Cone

JHB Branch

Mimic Components, Address: 5 Ramsay Street, Booyens, 2091, Johannesburg. Switchboard: +27(0)11-689-5700 | WhatsApp: 071-979-9999
PO Box 38493, Booyens, 2016, Johannesburg, South Africa. Email: info1@mimiccomponents.co.za | Website: www.mimiccomponents.co.za

Cape Branch

Mimic Cape. Address: Unit 41A, Stella Park, 57 Stella Road, Montague Gardens, 7441, Cape Town. Switchboard: +27(0)21-551-8185
WhatsApp: 071-979-9999. Po Box 36955, Chempet, 7442, Cape Town, South Africa. Email: info@mimic-cape.co.za | Website: www.mimic-cape.co.za

Mimic Aviation – Hospital Helipads & Aviation Services

Product Introduction

Mimic Aviation provides complete, end-to-end solutions for hospital helipads, heliports, and airfield lighting. Our systems are designed, manufactured, and supported in South Africa, meeting both local and international aviation standards.

All Mimic Aviation equipment complies with the **South African Civil Aviation Authority (SACAA)** and **International Civil Aviation Organisation (ICAO)** requirements, ensuring safety, reliability, and regulatory approval. Our solutions are increasingly aligned with aviation standards adopted across Africa, making them suitable for both local and cross-border applications.

We work closely with civil aviation authorities and industry stakeholders to ensure that every helipad and heliport is correctly designed, equipped, and certified—critical for operational safety, legal compliance, and insurance requirements.

Our Services

Mimic Aviation offers a comprehensive range of services to support both new installations and upgrades:

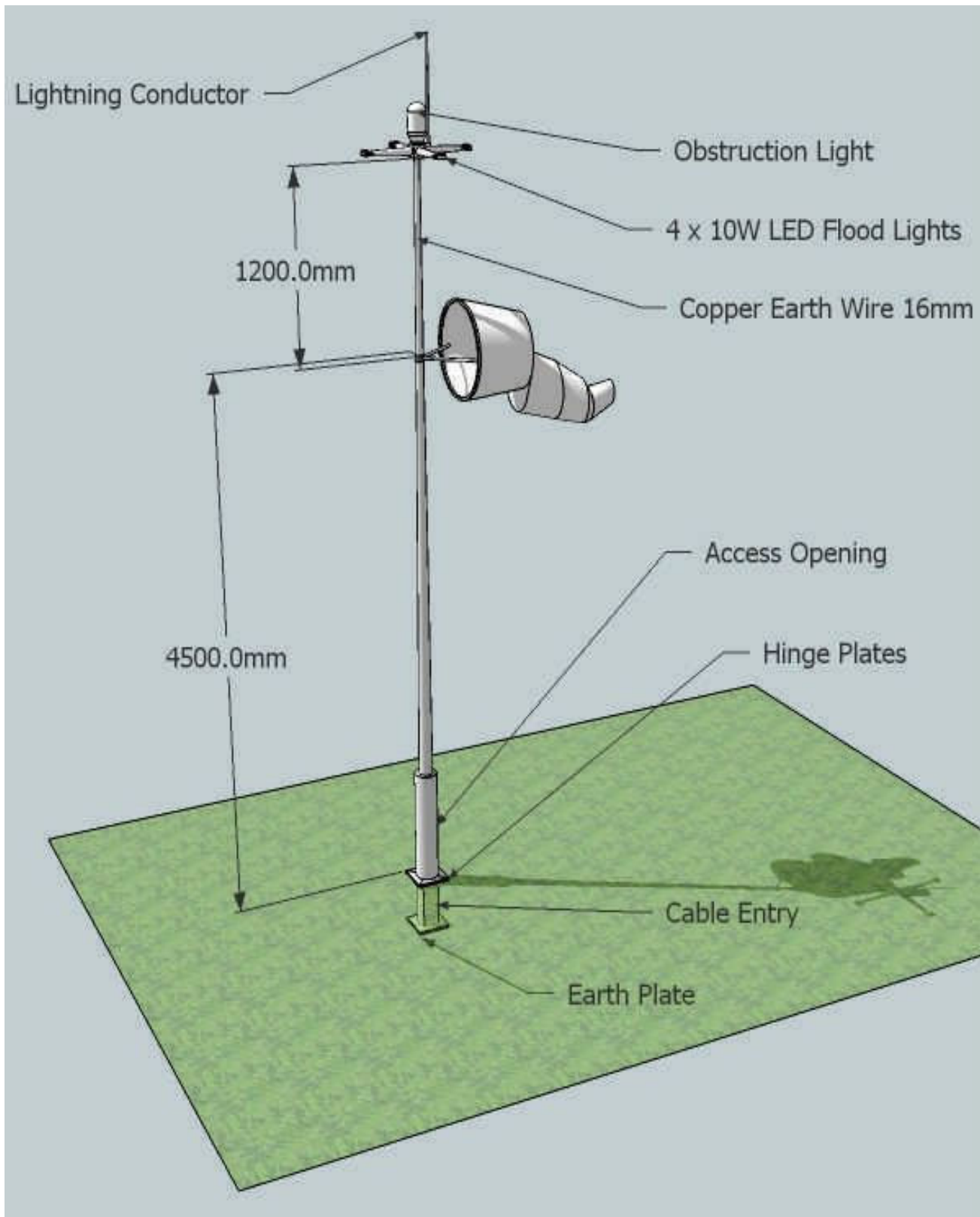
- **Helipad Design & Planning**
Dedicated design team providing preliminary layouts, technical drawings, and tailored solutions.
 - **Regulatory Compliance & Approvals**
Assistance with registration and approvals from the Civil Aviation Authority (CAA), local councils, and nearby airports or airfields.
 - **Helipad Certification Support**
Guidance through certification processes to ensure full compliance with aviation regulations.
 - **Aviation Lighting Solutions**
Supply and support of certified aviation lighting systems for helipads, heliports, and airfields.
 - **Installation Support & Equipment Supply**
Provision of high-quality, locally manufactured equipment built to SACAA and ICAO standards.
 - **Maintenance & Local Support**
Ongoing support including lighting spares, replacements, repairs, and technical servicing.
 - **Radio Activation Systems**
Installation of pilot-controlled lighting systems (radio “clicking” systems) for operational convenience.
 - **Flight Procedures & Documentation**
Development of operational procedures and manuals for safe helipad and heliport use.
 - **Site Inspections & On-Site Services**
Professional inspections and on-site support available across South Africa and most African countries.
-

Why Choose Mimic Aviation

- Locally manufactured, standards-compliant equipment
- Strong relationships with aviation authorities
- Proven expertise in both new projects and upgrades
- Reliable support across Africa



Drawing of Windssock with Obstruction Light on Pole top



Red & White Strip Windsock attached to pole with flood lights.



Orange Windsock attached to Red Obstruction Light

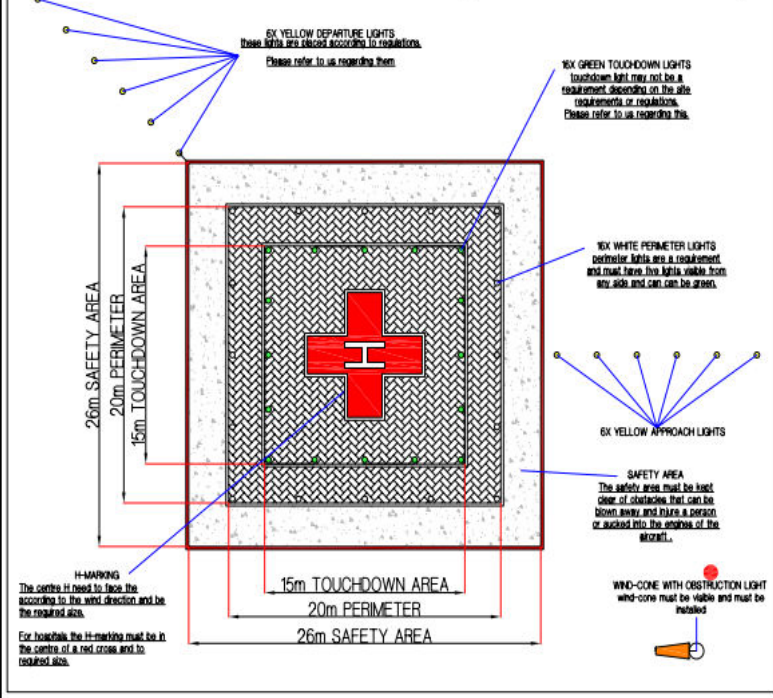


Roof-top Helipad Safety Net

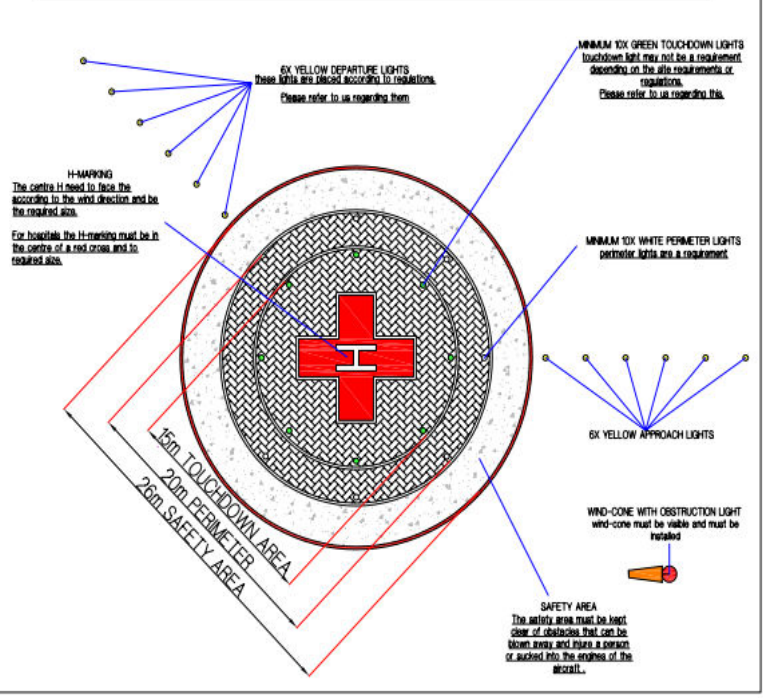


TYPICAL H-MARKING	OBSTRUCTION LIGHT DETAILS CAA / ICAO	APPROACH / DEPARTURE LIGHT DETAIL CAA / ICAO	TOUCHDOWN LIGHT DETAILS CAA / ICAO	PERIMETER LIGHT DETAILS CAA / ICAO	PLEASE NOTE THE FOLLOWING
<p>RED WHITE</p>	<p>Obstruction lights are to be placed near the helipad where obstructions may be hazardous to the aircraft as to warn the pilot when approaching or departing the pad. There are two types of obstruction lights: 1) Type A 2) Type B For reference to the above please see: ICAO Annex 14 Vol 2</p>	<p>Approach lights are to be placed near the helipad to indicate direction to help direct the pilot when approaching or departing the pad. These lights are yellow and are in a line of six for both approach and departure and in the common wind direction. For reference to the above please see: ICAO Annex 14 Vol 2</p>	<p>Touchdown lights are to indicate the area where aircraft is to land and to help the pilot to identify the centre of the helipad. For reference to the above please see: ICAO Annex 14 Vol 2</p>	<p>Perimeter lights are to indicate the area where the limit of the space in which to land the aircraft. This area can be the only area with lights as it still identifies the landing zone for the pilot. For reference to the above please see: ICAO Annex 14 Vol 2</p>	<p>AS REGULATIONS VARY ACCORDING TO EACH SITE WITH ITS OWN CHALLENGES AND NO TWO SITES ARE THE SAME.</p> <p>WE REQUEST THAT YOU REFER TO US REGARDING THE SITE WITH ALL REQUESTED INFORMATION AS TO BEST ABLE TO HELP FILL THE REQUIRED REGULATIONS FOR ANY PARTICULAR SITE.</p> <p>NOTE OTHER OPTIONS SUCH AS, FIRE STATIONS, CONTROL PANELS AND AIRCRAFT ACTIVITY WARNING SIGNS ARE REQUIRED ACCORDING TO THE SITE AND NEED TO BE ASSESSED BY US.</p>

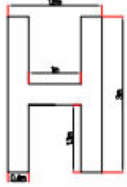
TYPICAL HOSPITAL EMERGENCY SQUARE HELIPAD LAYOUT



TYPICAL HOSPITAL EMERGENCY ROUND HELIPAD LAYOUT



TYPICAL H-MARKING



OBSTRUCTION LIGHT DETAILS
CAA / ICAO

Obstruction lights are to be placed near the helipad where obstructions may be hazardous to the aircraft as to warn the pilot when approaching or departing the pad. There are two types of obstruction lights:
1 Type A
2 Type B
For reference to the above please see: ICAO Annex 14 Vol 2

APPROACH / DEPARTURE LIGHT DETAILS
CAA / ICAO

Approach lights are to be placed near the helipad to indicate direction to help direct the pilot when approaching or departing the pad. These lights are yellow and are in a line of six for both approach and departure and in line with common wind direction.
For reference to the above please see: ICAO Annex 14 Vol 2

TOUCHDOWN LIGHT DETAILS
CAA / ICAO

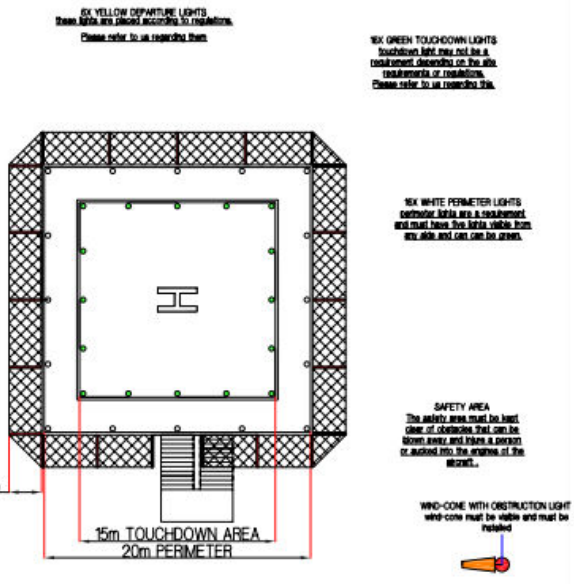
Touchdown lights are to indicate the area where aircraft is to land and to help the pilot to identify the centre of the helipad.
For reference to the above please see: ICAO Annex 14 Vol 2

PERIMETER LIGHT DETAILS
CAA / ICAO

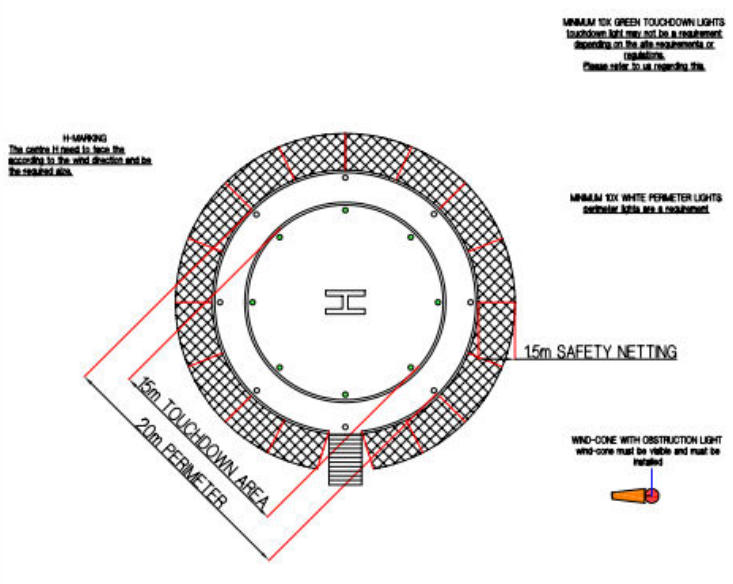
Perimeter lights are to indicate the area where the limit of the space in which to land the aircraft. This area can be the only area with lights as it still identifies the landing zone for the pilot.
For reference to the above please see: ICAO Annex 14 Vol 2

PLEASE NOTE THE FOLLOWING
AS REGULATIONS VARY ACCORDING TO EACH SITE WITH ITS OWN CHALLENGES AND NO TWO SITES ARE THE SAME, WE REQUEST THAT YOU REFER TO US REGARDING THE SITE WITH ALL REQUESTED INFORMATION AS TO BEST ABLE TO HELP FILL THE REQUIRED REGULATIONS FOR ANY PARTICULAR SITE. NOTE OTHER OPTIONS SUCH AS, FIRE STATIONS, CONTROL PANELS AND AIRCRAFT ACTIVITY WARNING SIGNS ARE REQUIRED ACCORDING TO THE SITE AND NEED TO BE ASSESSED BY US.

TYPICAL ELEVATED SQUARE HELIPAD LAYOUT



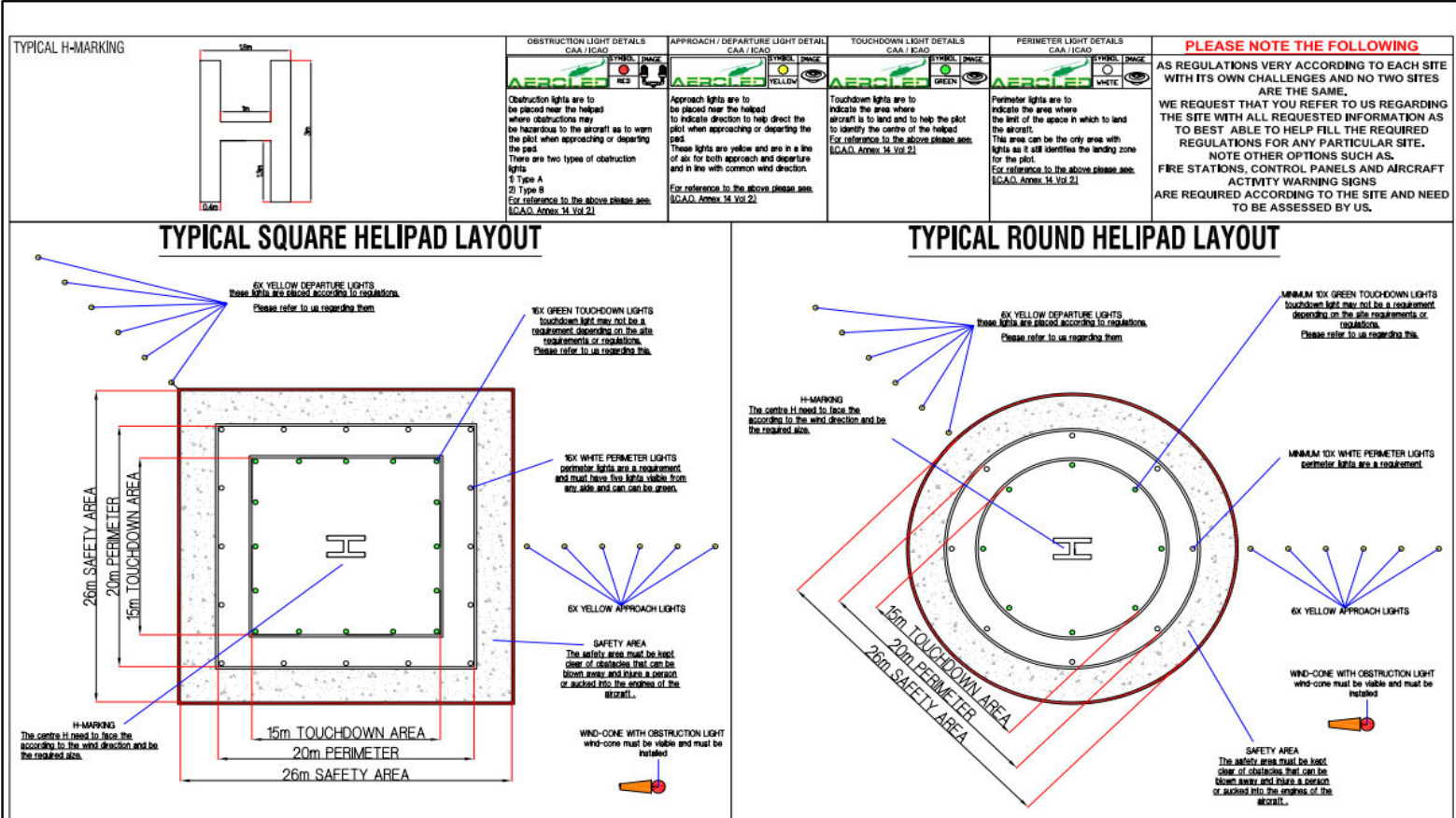
TYPICAL ELEVATED ROUND HELIPAD LAYOUT



<p>TEL: (+ 27 11) 889-0700 FAX: (+ 27 11) 480-8821 WEBSITE: WWW.MIMC.CO.ZA</p>	<p>APPROVED FINAL PRODUCTION DRAWING</p> <p>DATE: _____ SIGN: _____</p>	<p>CLIENT APPROVAL FOR CONSTRUCTION</p> <p>PRINT NAME: _____</p> <p>DATE: _____</p> <p>SIGN: _____</p> <p>COMMENTS: _____</p>	<p>IMPORTANT!! PLEASE READ</p> <p>1.) BEFORE APPROVING PLEASE ENSURE THAT THIS DRAWING IS CHECKED PROPERLY AS WE MANUFACTURE THE JOB AS PER THIS DRAWING. IF THE DRAWING IS MODIFIED AFTER APPROVAL ALL COSTS WILL BE FOR THE CLIENTS ACCOUNT. 2.) MIMC COMPONENTS STANDARD COLOURS AND MARKS WILL PREVAIL. MIMC COMPONENTS OWNS THE COPYRIGHTS OF THIS DRAWING, WHICH IS SUPPLIED IN CONFIDENCE AND MUST NOT BE USED FOR ANY OTHER PURPOSE OTHER THAN THAT FOR WHICH IT IS SUPPLIED, AND MAY NOT BE REPRODUCED WITHOUT PERMISSION IN WRITING FROM THE OWNER. 3.) MIMC COMPONENTS REVISIONS ARE LIMITED TO THREE REVISIONS, ANY EXTRA REVISIONS WILL BE ADDED TO THE CLIENTS ACCOUNT.</p>
	<p>CLIENT: _____</p> <p>DRAWING NO.: THP-004 M SHEET NO.: _____</p> <p>PROJECT: _____</p> <p>DRAWING DATE: 31/03/2017</p>	<p>LEGEND & OTHER INFO</p>	

Roof-top Helipad with Safety Net





South African Hospital Helipads. Credit: Netcare Chris Barnard Memorial (Public Image)

