

Pretoria Loftus Versfeld



Pretoria Loftus Versfeld

Name of the Stadium	Loftus Versfeld
City	Pretoria
Owner	Blue Bulls Rugby Union
Completion of construction	April 2005
Location	Brooklyn
Total lot size	16,000m²
Number of levels	6
Seating capacity	45,000

- B.11.1 Area Plan
- B.11.2 Ground Plan Ground Floor Level
- B.11.3 Ground Plan Level 2
- B.11.4 Ground Plan Level 3
- B.11.5 Ground Plan Upper Level
- B.11.6 Stadium Section
- B.11.7 FIFA Questionnaire
- B.11.8 Declaration of Undertaking
- B.11.9 Safety Certificate

UPGRADE

Loftus Versfeld is located in the heart of a picturesque residential and secondary/tertiary education node approximately 3 kilometres east of the Pretoria city centre.

The Stadium is owned by the Blue Bulls Rugby Union and has a long history as a multi-sport venue accommodating both rugby and football.

The capacity of the Stadium is in excess of 45,000 and no upgrading will be required.

Additional turnstiles will be provided to conform to the minimum requirements of 50.

The requirements of the Media will be met with the addition of temporary structures on ground level on the western side of the Stadium.

The electronic systems in the Stadium will be upgraded.

TECHNICAL DESCRIPTION OF PROPOSED MEASURES

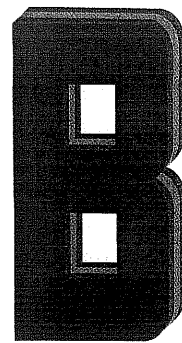
Public Address Sound System

Loftus is equipped with a distributed, zoned public address system for all public address announcements including voice evacuation. It is possible to select individual and/or combinations of zones. Master control units are installed in the Stadium managers' office, the technical operation centre and the venue operations centre.

The master control unit in the venue operations centre will take priority at all times enabling non-delayed override. To ensure uninterrupted operation, the master control unit is fed from an uninterrupted power supply. The public address system will be linked to the broadcast compound area as well as the video replay screen to enable both the audio and visual aspect of flash/field interviews and advertisements. The public address sound system also covers the gating perimeter of the Stadium. The existing public address sound system will be upgraded with new technology.

Electronic Scoreboard and Video Replay Screen

The existing video replay screen will be replaced with one new combination high-resolution LED video replay screen and LED full matrix information boards. These boards will be utilised as a real time multimedia communication system, displaying text, graphics and video material. Team details, player profiles, electronic advertising videos, match replay action, highlight packages of previous matches and safety and security information will be some of the information relayed to the spectators. In addition, four dual line LED scoreboards will be installed to display the match score. The new installation will also include the software and all video production equipment. The production team will be situated in the technical operation centre.



Pretoria Loftus Versfeld

Floodlights

The existing floodlighting system will be upgraded to increase the light intensity to 1,500 lux.

Emergency Power

Loftus will be equipped with a distributed emergency power system in order to ensure that all essential systems will remain functional in the event of a power failure. Essential systems include the venue operations centre, the technical operations centre, the fire detection and protection systems, security and access control systems, voice evacuation systems, closed circuit video surveillance systems, floodlighting system and general emergency lighting for safe evacuation purposes.

TECHNICAL AND ADMINISTRATIVE FACILITIES

The existing venue operations centre will be renovated and enlarged. The technical control centre for the Stadium public address announcer, scoreboard operator, video replay screen producer and technical assistants will be accommodated on the 4th level.

VIP AREAS

Specially secure and comfortable presidential suites and lounges are available for 500 VIPs and guests of honour ensuring the best service. Toilets and sanitary facilities are in the direct vicinity.

CORPORATE/SPONSOR HOSPITALITY

There are 358 special corporate hospitality suites that view the playing field and seat up to 8,590 guests.

There are a further 4 function rooms that can accommodate 350 seated guests.

CORPORATE HOSPITALITY/SPONSOR VILLAGE

The hospitality areas outside the Stadium for both sponsor and corporate villages are in the direct vicinity of the Stadium and can accommodate up to 6,000 guests.

MEDIA AREAS

The Stadium will be able to accommodate the required number of Media representatives.

This will include capacity for the following:

Written Media:

Desks/observer seats	600
Tribune photographers	50

TV and Radio:

TV/radio positions	300
TV observer seats	150
Radio observer seats	125

All the above will be accommodated on the upper tier of the western stand.

The various studios will be constructed on the second level.

SECURITY

The Stadium is well serviced by road and rail. It currently possesses secured inner and outer perimeters, which, in view of the Stadium's location, are in close proximity to each other. As with all host Stadiums during 2010 FIFA World Cup™, the Stadium precinct will be subject to the concentric rings of security system, which will incorporate 3 secured perimeters.

The location of the Stadium will dictate that the existing outer perimeter of the Stadium will form part of a new middle perimeter demarcation, which will commence at the residential/education node border with the Stadium.

A new outer perimeter will extend between 200-500 meters from the current outer perimeter of the Stadium. Both the new middle and outer perimeters will be demarcated by the erection of specially designed robust temporary fencing. These perimeters will be used to filter and screen match ticket holding spectators as they approach the Stadium.

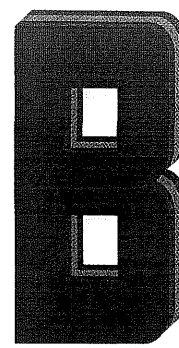
The outer perimeter (traffic warning zone) will be used to filter pedestrian and vehicle-transported match ticket and accreditation holders from the general public. This well policed, temporarily secured outer perimeter will demarcate the commencement of the traffic-free zone. The middle perimeter, which will range in distance between 100-200 meters from the Stadium, will be comprised of five primary spectator search points equipped with walk-through and hand-

held magnetometers where strict screening for prohibited and restricted items will take place. A further visual match ticket check will take place at this point.

A secured VIP and service vehicle screening area ('remote search park') manned by State security services, equipped with magnetometers, conveyor belt type X-ray machines and bomb detection and disposal equipment will be located approximately 200 meters from the northern inner perimeter of the Stadium.

The inner perimeter will feature five zoned spectator electronic ticket and accreditation verification turnstile areas consisting of a minimum total of 50 turnstiles. Each spectator and accredited person is individually processed at the turnstiles. Generic, clear and visible Stadium layout ('You are here') signage will be erected throughout the entire precinct within all three perimeters.

The general spectator area of the inner bowl of Loftus Versfeld Stadium will be divided into four quadrants ('zones') where FIFA-approved competing team spectator separation measures, demarcating each zone, will be erected. The existing physical field perimeter security system consisting of a combination concrete 'moat' and pitch perimeter signage-boarding barrier will be upgraded, in line with FIFA specifications, in order to fully ensure the physical safety of participating players and match officials. A physically secured participating player and match official field of play access route is already in place.



The Stadium's current venue operations centre, from where the safety and security operations at the Stadium are currently directed, will be relocated to the southern side of the Stadium and be upgraded into a world class facility, which will direct the entire on-site safety and security operation, on a 24-hour basis, throughout the tournament.

The venue operations centre will be equipped with the digital control system of the planned Stadium and Stadium precinct's CCTV surveillance and recording system, computer equipment and peripherals, computer linked projector, electronic public address cut-in, dedicated multiple telecommunications lines and real-time data links to the electronic ticket/accreditation verification system and links to the Pretoria Metro Disaster Management Centre.

Loftus Versfeld is planning to install a major multi-zone digital CCTV surveillance and recording system upgrade for the Stadium and its precincts during 2004. It is planned to extend the system to the demarcated outer perimeter within the surrounding residential area, and will in particular focus on the five spectator screening areas situated at the middle perimeter and the primary spectator access routes to the Stadium. The planned system will consist of a minimum of 20 cameras, 5 colour monitors, 3 remote-controllers and a digital compression, analogue backed-up recording and playback facility. All of the cameras will have a 360° pan, tilt & zoom and low-light capability.

The control system will be housed in the relocated venue operations centre. The system will have a real-time video/audio link to the Pretoria Metro disaster management centre.

Finally biometric face recognition software will be loaded and integrated into the Stadium's planned CCTV system to enhance the proactive surveillance capabilities of the safety and security personnel.

PUBLIC CONVENIENCES/REFRESHMENT STALLS/FIRST AID POSTS

The public conveniences and concessions facilities will be upgraded to conform to best practice as are indicated in the questionnaire.

FINANCING

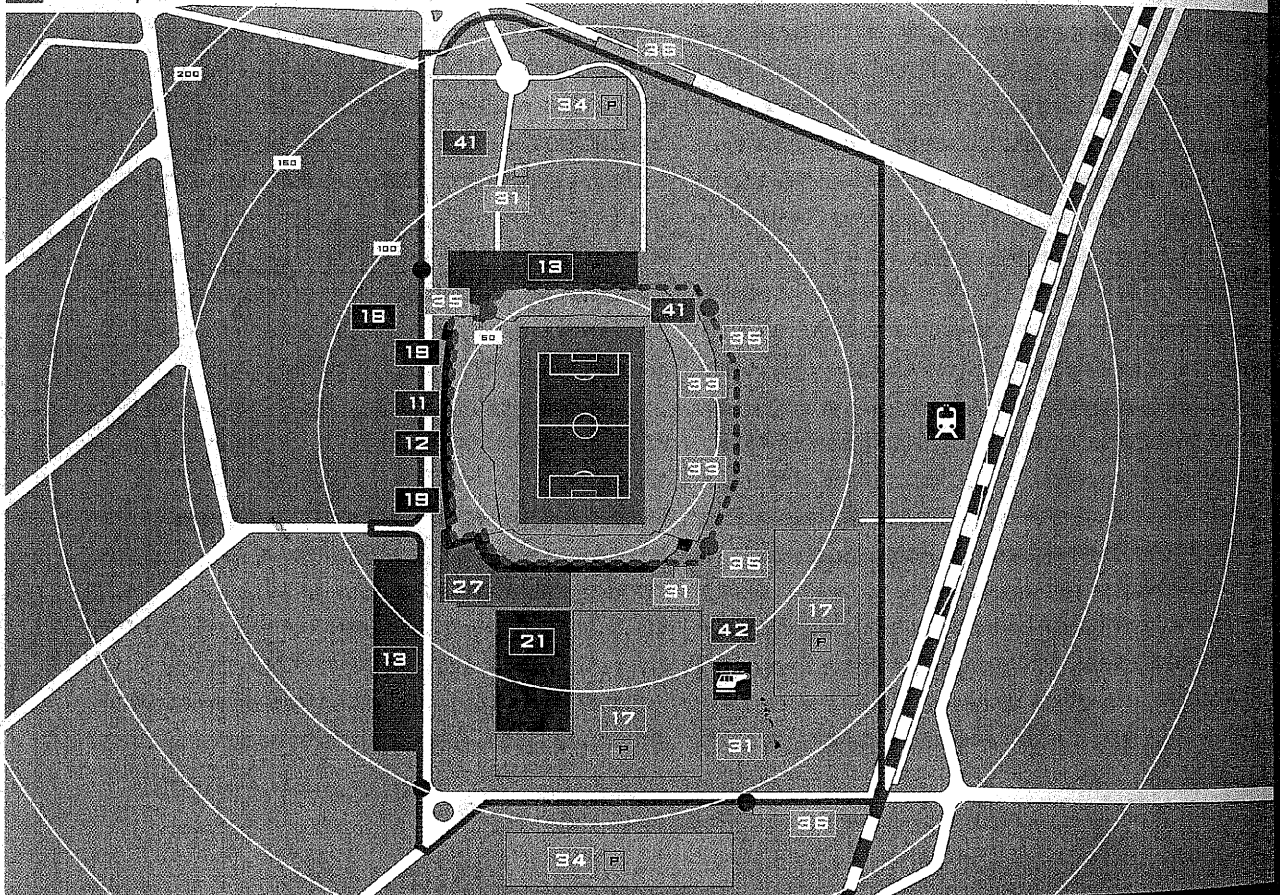
The South African Football Association has committed itself to the upgrading of the Stadium to meet the requirements of FIFA, and has guaranteed to meet the cost, which is estimated to be in the region of CHF 6.2m (USD 2.4m).

CONSTRUCTION SCHEDULE

No major upgrading of the Stadium is required.

The minor refurbishment and the upgrading of the floodlights, the replacement of the video replay screen and information boards and the alterations for the Media will be completed within a period of six months.

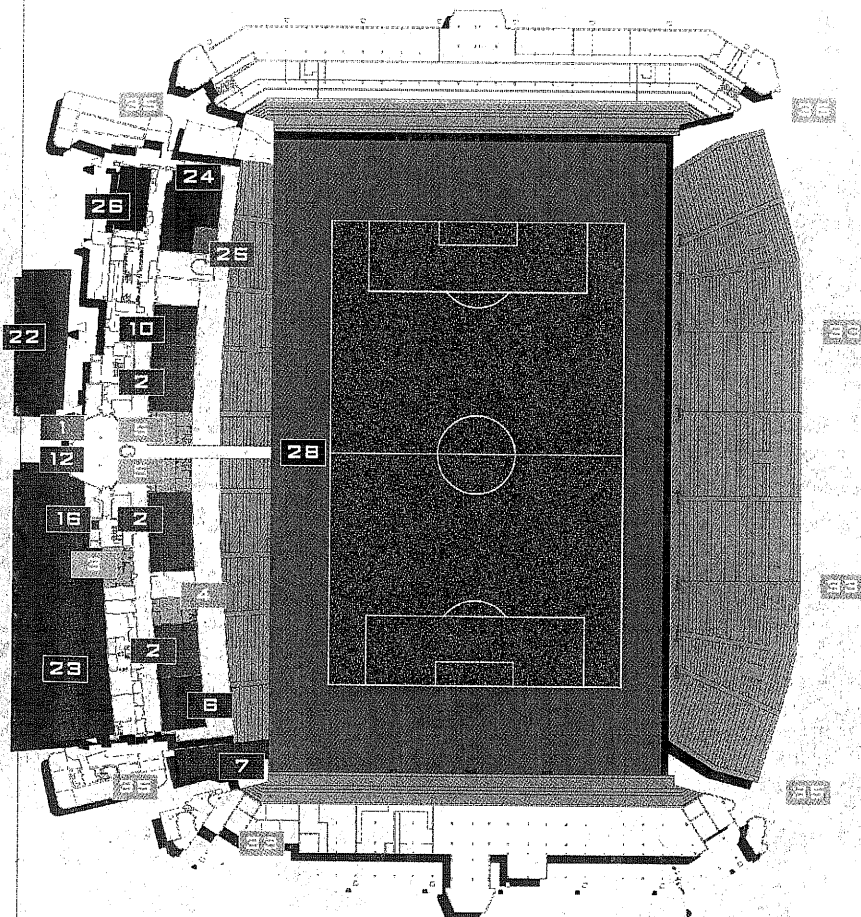
- | | | | |
|-----------|-------------------------------|-----------|------------------------------|
| 11 | Drop-off | 31 | Medical |
| 12 | Entrance | 33 | Concessions |
| 13 | Parking | 34 | Parking |
| 17 | Corporate/sponsor hospitality | 35 | Public entrances |
| 18 | Drop-off | 36 | Transportation drop off zone |
| 19 | Entrance | 41 | Remote search park |
| 21 | Parking | 42 | Emergency vehicle pool |
| 27 | Broadcast compound | | |



- | | |
|--|--|
| | Internal perimeter (turnstiles) |
| | Middle perimeter (search points) |
| | Outer perimeter (traffic warning zone) |
| | Security gates |
| | Public entrances |

- | | |
|--|---------------------|
| | Match Operations |
| | Stadium Operations |
| | VIP |
| | Media |
| | General Public |
| | Security Operations |







- Match Operations
- Stadium Operations
- VIP
- Media
- General Public
- Security Operations

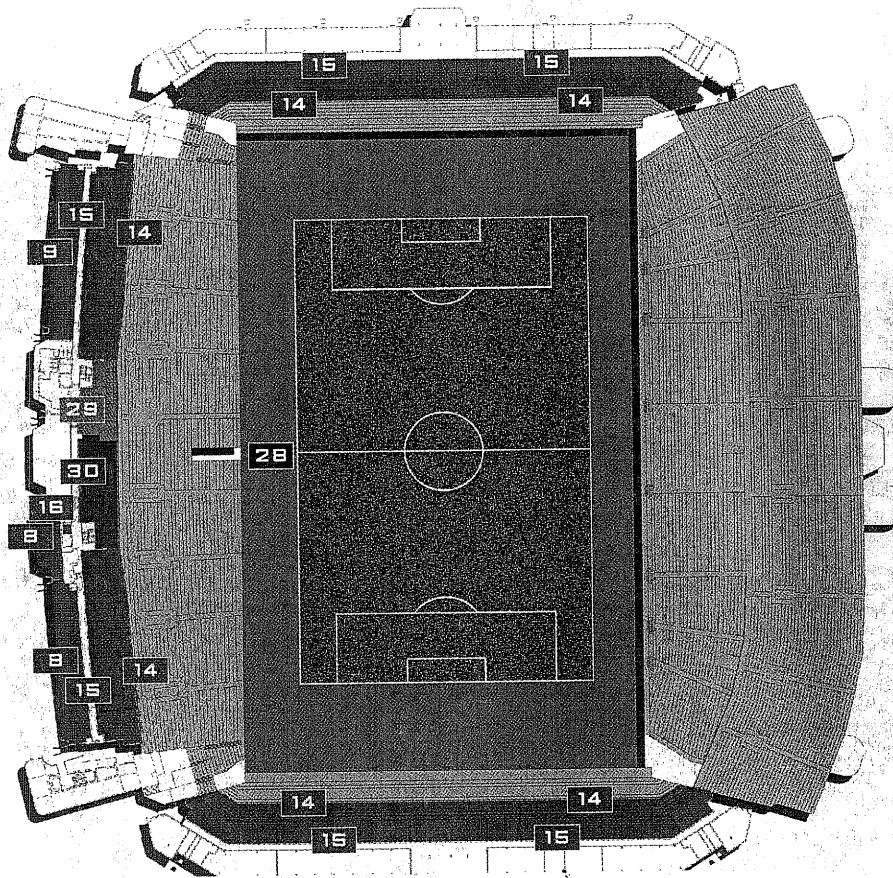


GROUND FLOOR LEVEL









- 1 Team entrances
- 2 Team dressing rooms
- 3 Medical care centre
- 4 Doping control room
- 5 Match official dressing room
- 6 FIFA administration rooms
- 7 Meeting room
- 10 Storage room
- 12 Entrance

- 15 Elevator
- 22 Mixed zone
- 23 Media workroom
- 24 Photographer workroom
- 25 Dark room
- 26 Interview room
- 28 Flash interview area
- 32 Concessions
- 33 Public entrances







-  Match Operations
-  Stadium Operations
-  VIP
-  Media
-  General Public
-  Security Operations

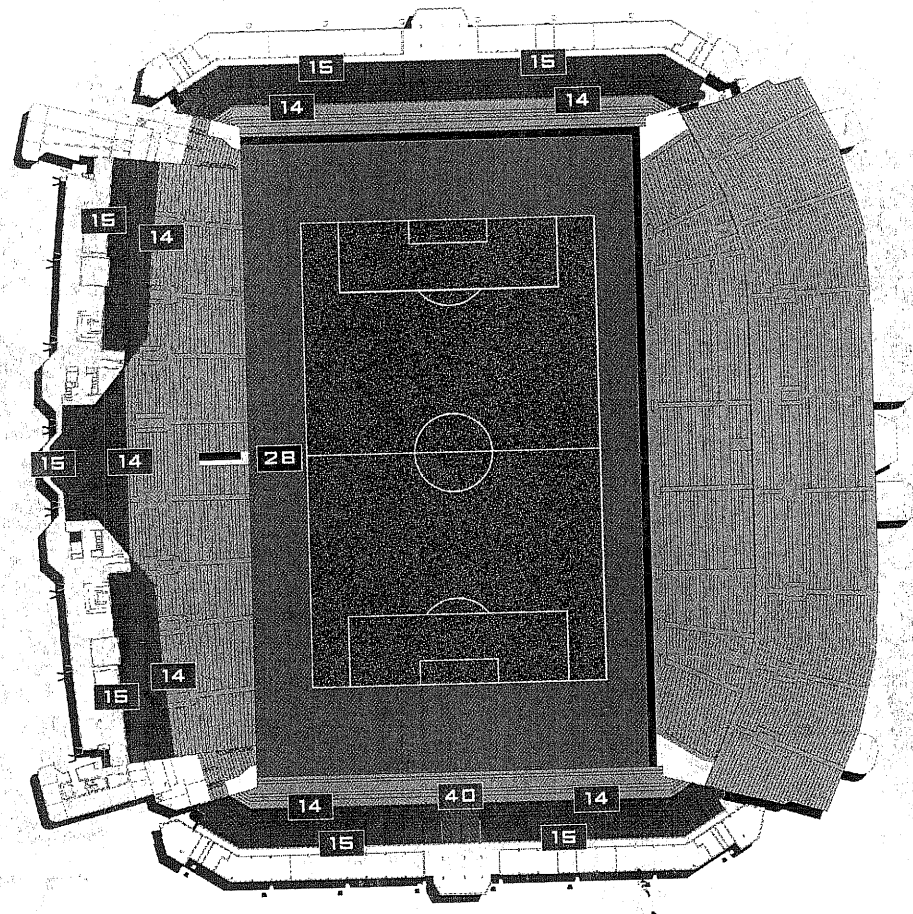


LEVEL 2





-  Stadium management office
-  World Cup operations offices
-  Seating
-  Hospitality
-  Elevator
-  Presentation studios
-  Flash interview area
-  TV studios







Pretoria Loftus Versfeld

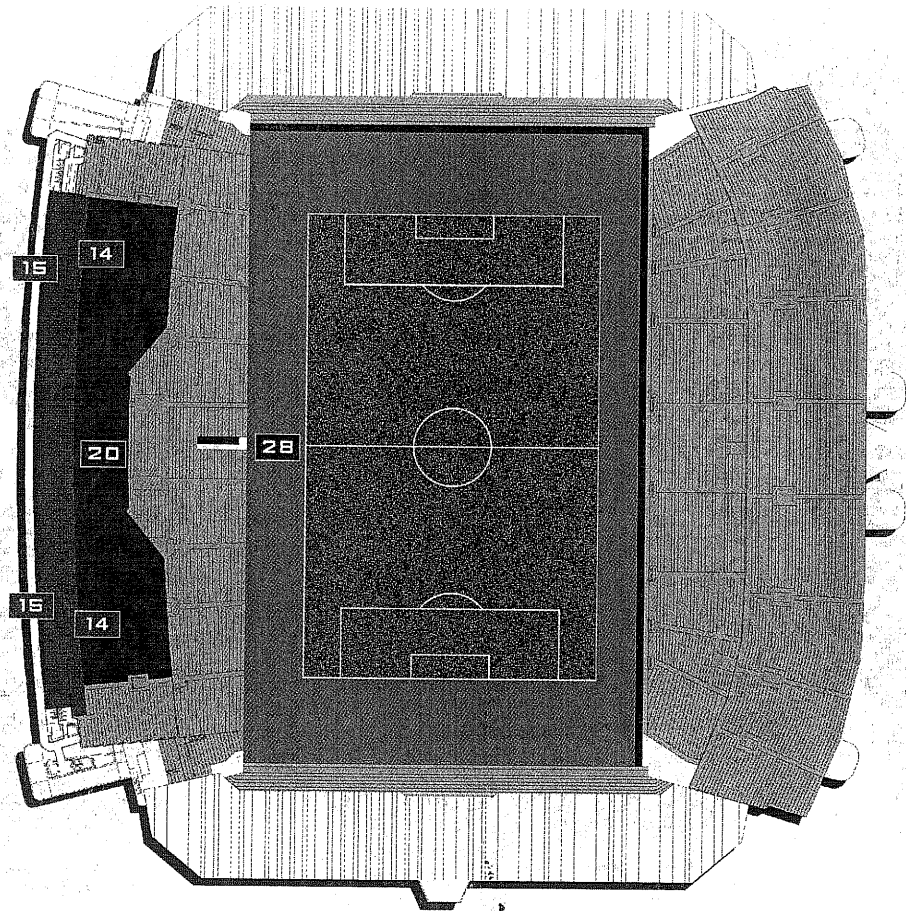
-  Match Operations
-  Stadium Operations
-  VIP
-  Media
-  General Public
-  Security Operations







LEVEL 3

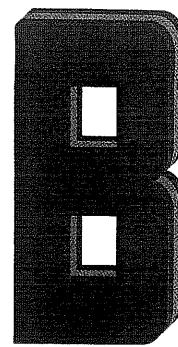
-  Seating
-  Hospitality
-  Flash interview area
-  Venue operations centre

-  Match Operations
-  Stadium Operations
-  VIP
-  Media
-  General Public
-  Security Operations



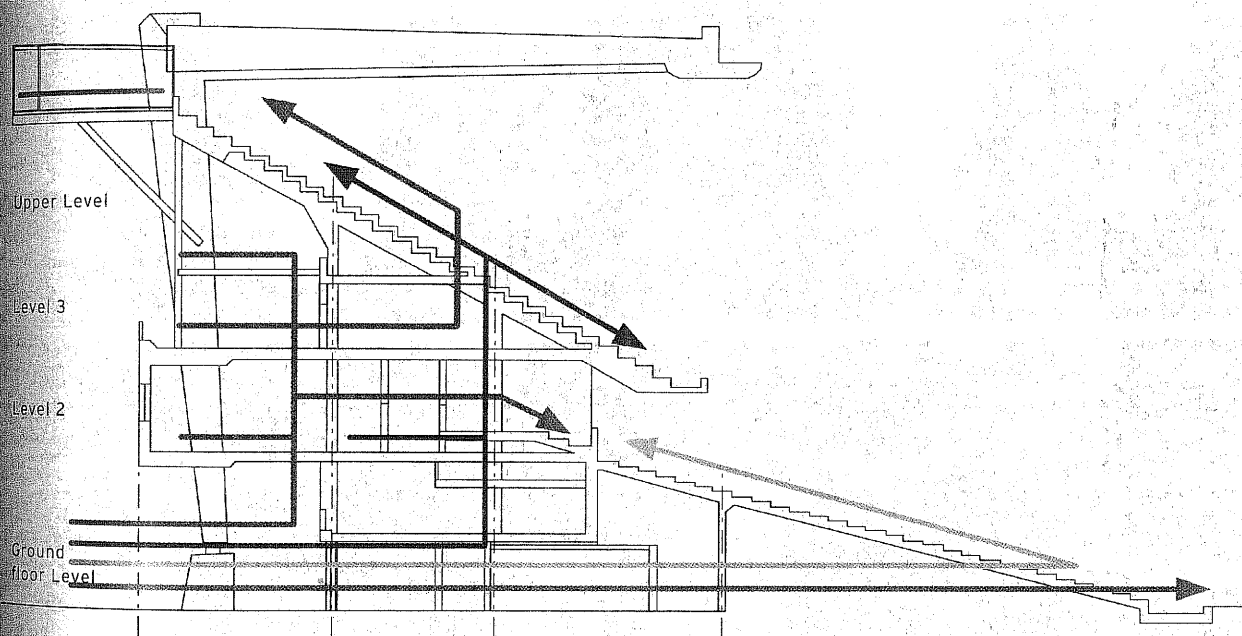
UPPER LEVEL

-  Seating
-  Hospitality
-  Seating
-  Flash interview area



Pretoria Loftus Versfeld

VIP
Media
General Public



SECTION - WEST TRIBUNE

Technical Description

1. The Stadium

Name

Loftus Versfeld

City

Pretoria

Number of inhabitants

1.99 million

Owner

Blue Bulls Rugby Union

Name of club using the Stadium

Sundowns

Contact person

Stephan Pretorius

Phone No

+27 12 420-0700

Fax No

+27 12 343-9436

E-mail Address

stephanp@bluebull.co.za

Web-Site

www.bluebull.co.za

2. Distance and Duration of Journey by Car/Bus to the Stadium

From Johannesburg International Airport

45km

30min

From the team hotel

2km

3min

From the FIFA hotel

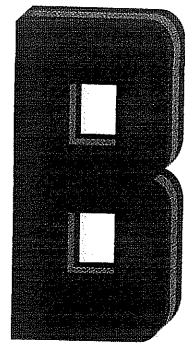
3km

5min

From the city centre

3km

4min



Pretoria Loftus Versfeld

3. Capacity

Total number of seats	45,000
Number of seats under cover	13,821
VIP seats	500
Media representatives	1,825
Seats for disabled persons	60
VIP boxes	358
VIP reception area/lounge	900m ²

4. Playing Surface

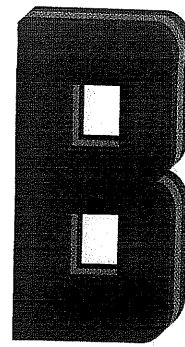
Dimensions of the playing surface	Length 105m, width 68m
Type of playing surface	Grass
Separation of spectators from playing field	Fence
Place for substitutes	Seating for 50 persons
Place for match officials	Seating for 4 persons
Substitute goals	Yes
Running track around field	No
Space between field of play and edge of spectator seating area	
♦ To goalline	23m
♦ To touchline	12m
Type of surface of space between field of play and edge of spectator seating area to the goalline	Grass

5. Technical Installations

Lighting lux power	1,500 lux
Reliable time-keeping system with a pertinent electronic scoreboard	Yes
Video capability on electronic scoreboard (giant screen)	Yes

-0700
-9436
bluebull.co.z
ull.co.za

CCTV installation (closed circuit television)	Yes	
Loudspeaker system	Yes	
Emergency generator	Yes	
6. Team Facilities		
Dressing rooms for players		4
Dressing Room No. 1		
◆ Size of dressing room		170m ²
◆ Lockers	Yes	25
◆ Massage tables	Yes	3
◆ Power points	Yes	8
◆ Refrigerator	Yes	
◆ Number of showers		10
◆ Hot water	Yes	
◆ Number of toilets		3
◆ Toilets with seats	Yes	
◆ Air conditioning	Yes	
◆ Room for team technicians	Yes	30m ²
◆ Room for kit managers	Yes	30m ²
Dressing Room No. 2		
◆ Size of dressing room		170m ²
◆ Lockers	Yes	25
◆ Massage tables	Yes	3
◆ Power points	Yes	8
◆ Refrigerator	Yes	
◆ Number of showers		10
◆ Hot water	Yes	



Pretoria Loftus Versfeld

◆ Number of toilets		3
◆ Toilets with seats	Yes	
◆ Air conditioning	Yes	
◆ Room for team technicians	Yes	30m ²
◆ Room for kit managers	Yes	30m ²
Dressing Room No. 3		
◆ Size of dressing room		100m ²
◆ Lockers	Yes	25
◆ Massage tables	Yes	2
◆ Power points	Yes	4
◆ Refrigerator	Yes	
◆ Number of showers		7
◆ Hot water	Yes	
◆ Number of toilets		2
◆ Toilets with seats	Yes	
◆ Air conditioning	Yes	
◆ Room for team technicians	Yes	20m ²
◆ Room for kit managers	Yes	20m ²
Dressing Room No. 4		
◆ Size of dressing room		100m ²
◆ Lockers	Yes	25
◆ Massage tables	Yes	2
◆ Power points	Yes	4
◆ Refrigerator	Yes	
◆ Number of showers		7
◆ Hot water	Yes	
◆ Number of toilets		2
◆ Toilets with seats	Yes	

◆ Air conditioning	Yes	
◆ Room for team technicians	Yes	20m ²
◆ Room for kit managers	Yes	20m ²

7. Referees' Facilities

Dressing Rooms for Referees and Assistant Referees		2
Dressing Room No. 1		
◆ Size of dressing room		70m ²
◆ Lockers	Yes	4
◆ Massage tables	Yes	1
◆ Power points	Yes	4
◆ Refrigerator	Yes	
◆ Number of showers		2
◆ Hot water	Yes	
◆ Number of toilets		1
◆ Toilets with seats	Yes	
◆ Air conditioning	Yes	
Dressing Room No. 2		
◆ Size of dressing room		70m ²
◆ Lockers	Yes	4
◆ Massage tables	Yes	1
◆ Power points	Yes	4
◆ Refrigerator	Yes	
◆ Number of showers		2
◆ Hot water	Yes	
◆ Number of toilets		1
◆ Toilets with seats	Yes	
◆ Air conditioning	Yes	

8. FIFA Administration Rooms

Storeroom with direct access to the pitch	Yes	60m ²
FIFA Office 1	Yes	30m ²
FIFA Office 2	Yes	30m ²
FIFA Office 3	Yes	30m ²
FIFA Office 4	Yes	30m ²
FIFA Office 5	Yes	30m ²
FIFA Office 6	Yes	30m ²
FIFA Office 7	Yes	30m ²
Office infrastructure (tables/chairs/telephone/fax/copier)	Yes	
Meeting room for at least 25 people	Yes	

9. Medical Service

Facilities in the Stadium to give first aid to spectators	Yes	
Number of first aid posts		4
Equipment	Yes	
Location		On site
Infirmaries for teams/referees	Yes	64m ²
◆ Examination bed	Yes	
◆ Wash basins	Yes	
◆ First aid kit	Yes	
◆ Air conditioning	Yes	
◆ Stretchers	Yes	15
Doping control room	Yes	60m ²
◆ Number of toilets		2
◆ Number of showers		2

◆ Air conditioning	Yes
◆ Refrigerator	Yes
◆ Television	Yes

10. Signposting in the Stadium (Coding and Signposting, etc. of the various sectors)

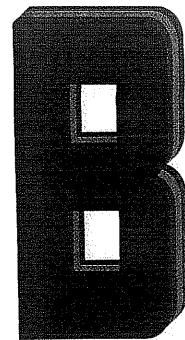
Sectors clearly indicated and segregated	Yes
Entrances, corridors, gangways and public amenities clearly signposted	Yes

11. Telephone Installations

Reliable telephone links with	
◆ Security service control post	Yes
◆ Room of the medical staff	Yes
◆ Ticket booth	Yes
◆ Ground staff room and Stadium announcer	Yes

12. Safety Measures

Video surveillance facilities	Yes
Number of cameras in total	20
◆ Number of cameras : inside area	8
◆ Number of cameras : adjacent area	12
Second security cordon before entrance	Yes
Exit doors inside playing surface	4



13. Security Forces and Fire Brigade

Central command post for the security forces and fire brigade

Yes

Security operational team

Yes

Emergency operational plan

Yes

14. Stadium Entrances

Number of gates

12

Number of turnstiles

50

Other means of access (type and number)

◆ Vehicular/emergency gates

12

15. Stadium Exits

Number and size proportionate to the capacity of the Stadium

Yes

Number of gates

12

16. Parking Space (with separate Entrances)

For team buses

◆ Location

North Ground

◆ Distance from dressing rooms

100m

For referees' vehicles

◆ Location

North Ground

◆ Distance from dressing rooms

100m

For the vehicles of officials and guests

◆ Location

North Ground

◆ Number

200

◆ Distance from VIP entrance

50m

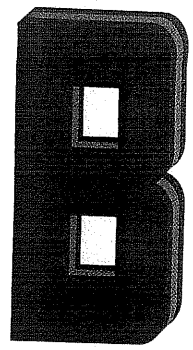
For Media vehicles	
◆ Location	South Ground
◆ Number	300
◆ Distance from the Stadium	200 - 400m
For spectators' vehicles	
◆ Location	Around Stadium
◆ Number	5,000
◆ Distance from the Stadium	500 - 2,000m
For police and security vehicles	
◆ Location	On site
◆ Number	15
◆ Distance from the Stadium	20m
For the ambulances	
◆ Location	On site
◆ Number	10
◆ Distance from the Stadium	20m

17. Public Conveniences

Sufficient public toilets available	Yes
Number of ladies' toilets	500
Number of gentlemen's toilets	380

18. Refreshment Stands

Number of stands (food)	16
Number of stands (drink)	12
Storeroom on each level	Yes 20m ²



19. Ticket Booths	
Number of ticket booths	10
20. Media	
Media centre (equipment/phones/power points)	
◆ Location	West Ground
◆ Size of Media centre	1,350m ²
Mixed zone	
◆ Location	West Ground
◆ Size of mixed zone	600m ²
Television commentary cabins	
◆ Location	West - Level 2
◆ Number of cabins	175
Radio commentary cabins	
◆ Location	West - Level 2
◆ Number of cabins	75
Press seats	
◆ Location	West Upper Level
◆ Number of seats	925
Press seats with desks/table tops	600
Seats equipped with power points/phone points	300
Storeroom	Yes 20m ²
Number of offices	Yes 4/25 m ² each
Office infrastructure (tables/chairs/telephones/fax/copier)	Yes
Meeting room	Yes
Briefing room	Yes

21. Other Rooms in the Stadium on Pitch Level

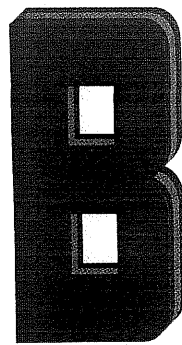
Storeroom with direct access to pitch (boards)	Yes	650m ²
Rooms for FIFA's youth programme	Yes	20m ²
Other Room 1	Yes	16m ²
Other Room 2	Yes	16m ²
Other Room 3	Yes	16m ²
Other Room 4	Yes	16m ²
Office infrastructure (tables/chairs/telephones/ fax/copier)	Yes	
Storeroom 1	Yes	40m ²
Storeroom 2	Yes	40m ²
Storeroom 3	Yes	40m ²
Storeroom 4	Yes	40m ²

22. VIP/Hospitality Area

VIP lounge 1	Yes	400m ²
VIP lounge 2	Yes	300m ²
VVIP lounge	Yes	250m ²
Office 1	Yes	25m ²
Office 2	Yes	25m ²

23. Training Stadium

Dimensions of the playing surface	Length 105m, width 68m
Distance from the Stadium	2km
Distance from the team hotel	5km
Type of playing surface	Grass
Number of dressing rooms	4



Pretoria Loftus Versfeld

Fixed/removable goals	Yes
Substitute goals	Yes
Separation of spectators/Media from field	Yes
Running track around field	No
24. Other	
Advertising inside Stadium	Yes
Flagpoles	Yes
Communication system in the Stadium	
◆ Head-set walkie-talkies	Yes
◆ Mobiles	Yes
Helipad	Yes
25. Timetable	
Detailed plans of the construction and/or renovations	Yes
Exact date of the completely functional Stadium	April 2005