



# FELIXSTOWE & WALTON UNITED FOOTBALL CLUB LTD

AGL Arena, Dellwood Avenue, Felixstowe, Suffolk IP11 9HT  
Tel: 01394 282627 [www.felixstowefootball.co.uk](http://www.felixstowefootball.co.uk)

**Club Colours:** Red and White Stripes, Red Shorts, Red Socks  
**Affiliated to:** S.C.F.A PITCHING IN Isthmian League

## **STADIUM CAPACITY ASSESSMENT**

This capacity assessment of the AGL Arena was calculated using Guide to Safety at Sports Grounds GREEN GUIDE.

Location: AGL Arena, Dellwood Avenue, Felixstowe.

Date of assessment: 1st September 2023.

Assessed by: Chris Daynes, Director of Operations, Felixstowe & Walton United FC.

### **Overview of the stadium**

The AGL Arena is a 4-sided stadium with free access and movement to spectators to seated grandstands, stepped terraces and ground level hardstanding around the full perimeter of the stadium.

There are 2 grandstands seating 100 spectators each, located on the South (clubhouse side) and West (Colneis Road end).

3 covered grandstands with stepped terracing are located on the South, South East and East (Dellwood Avenue end) of the stadium.

3 spectator entrances are located to the north of the clubhouse, adjacent the main stand. A 4th entrance, for hospitality, VIPs and officials is made available at high capacity matches via the clubhouse main doors.

3 exits are located adjacent to the turnstiles, at the SouthEast corner (adjacent to club shop) and through the clubhouse.

### **Capacity calculation**

**ENTRY CAPACITY:** From observation and experience it is apparent that each of the 4 entrances (including clubhouse entrance) can process the recommended maximum rate of entry, that is 660 persons per entry point per hour.

Therefore the entry capacity is:  $660 \times 4 = \mathbf{2,640}$ .

## **EXIT CAPACITY:**

For calculation purposes, the egress time under normal conditions from all areas of the stadium to the start of the exits (travel time) is set at a maximum of 8 minutes.

Exit 1 (adjacent turnstiles) is 1.5m wide and the flow rate is estimated at 60 persons per minute. Therefore the exit capacity for Exit 1 is:  $60 \times 8 = 480$ .

Exit 2 (SouthEast corner) is 3 metres wide and the flow rate is estimated at 120 persons per minute. Therefore the exit capacity for Exit 2 is: **960**.

Exit 3 (clubhouse main doors) is 2 metres wide and the flow rate is estimated at 90 persons per minute. Therefore the exit capacity for Exit 3 is: **720**.

Therefore the total exit capacity is calculated at: **2,160**.

## **HOLDING CAPACITY:**

All areas of the stadium are in good condition and well maintained with reasonable sightlines.

Total number of usable seats: **200** (100 in each grandstand).

### **Stepped terracing:**

The management have assessed the appropriate maximum density of stepped terracing to be 2.4 persons per square metre.

South (Like Electrical stand) consists of 3 steps, each 10m in length and 1.5m depth. Total available viewing area is 45 square metres. Therefore the capacity of the terrace is:  $45 \times 2.4 = 108$ .

SouthEast (Spanners terrace) consists of 3 steps, each 5m in length and 1m depth. Total available viewing area is 15m. Therefore the capacity of the terrace is:  $15 \times 2.4 = 36$ .

East (Schallenberg stand) consists of 3 steps, each 10m in length and 1.5m depth. Total available viewing area is 45m. Therefore the capacity of the terrace is:  $45 \times 2.4 = 108$ .

### **Perimeter boundary:**

The perimeter boundary consists of 4 sides of the ground. Usable viewing areas have been calculated after taking into account restrictions (yellow hatching and entry/exit points) and obstructions (dugouts, floodlight pylons, scoreboard).

The management have assessed the appropriate maximum density of flat level hardstanding as 4 persons per square metre on the 3 sides without spectator facilities and 3 persons per square metre for the side containing spectator facilities, to allow for ingress/egress to these facilities. Only hardstanding areas have been included for calculation purposes. Grassed areas have not been included.

South perimeter: The south side of the stadium features a seated grandstand, 2 stepped terraces, entrances/exits, clubhouse facilities (toilets, bar, function room), hospitality

lounge and club shop. The total hardstanding area excluding restrictions and obstructions is 250 square metres. Therefore the capacity of the flat level hardstanding on the South side is:  $250 \times 3 = \mathbf{750}$ .

North perimeter: The north side features a concrete path with a depth of 1.2m. Behind the path is a 6m wide grassed area (not used in calculation). The only obstruction/restriction on the north perimeter is the 2 dugouts. The total width of the useable viewing area is 100m. Therefore the capacity of the North perimeter flat level hardstanding is:  $100 \times 4 = \mathbf{400}$ .

West perimeter: The West side of the stadium features a concrete path with a depth of 1.2m. Behind the path is a 1m grassed area up to the boundary fencing (not used in calculation). Obstructions/restrictions on the west perimeter are the 100 seater grandstand directly behind the goal and the scoreboard in the north/west corner. The total width of the useable viewing area is 50m. Therefore the capacity of the West perimeter flat level hardstanding is:  $50 \times 5 = \mathbf{200}$ .

East perimeter: The West side of the stadium features a concrete path with a depth of 1.2m. Behind the path is a 1m grassed area upto the boundary fencing (not used in calculation). Obstruction/restriction on the east perimeter the Schallenberg terrace directly behind the goal. The total width of the useable viewing area is 60m. Therefore the capacity of the East perimeter flat level hardstanding is:  $60 \times 5 = \mathbf{300}$ .

Total hardstanding capacity is therefore calculated as:  $750 + 400 + 200 + 300 = \mathbf{1650}$ .

### **Hospitality areas:**

The capacity of the hospitality areas are function room/bar area = 100 (licensed number) and hospitality lounge = 30.

### **Therefore the total holding capacity of the stadium is calculated as:**

Seating 200

Stepped terracing 252

Flat level hardstanding 1650.

Hospitality areas 130.

Total holding capacity: **2232**.

### **FINAL CAPACITY OF THE STADIUM:**

The management have used the lowest calculated figure (the exit capacity) to determine the final capacity of the stadium. Therefore the final capacity is: **2160**.

### **Future considerations to increase capacity:**

A further exit could be created by installing a hard bound surface (concrete or tarmac) pathway to a 4th set of exit gates that exist in the SouthWest corner of the stadium. The gates are 3 metres side and would allow a further maximum of 960 spectators to exit the stadium on a level, hard surface (currently grassed area). This would result in the final capacity increasing to 2232 (the current holding capacity of the stadium).

A planned stepped terrace on the grassed area between the dugouts could provide a further viewing area of 200 spectators, therefore increasing the final capacity of the stadium to 2432.

Plans also exist to install a turnstile block at the SouthEast corner adjacent to the existing exit gates. This would result in the entry capacity increasing by a further 660 persons.

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