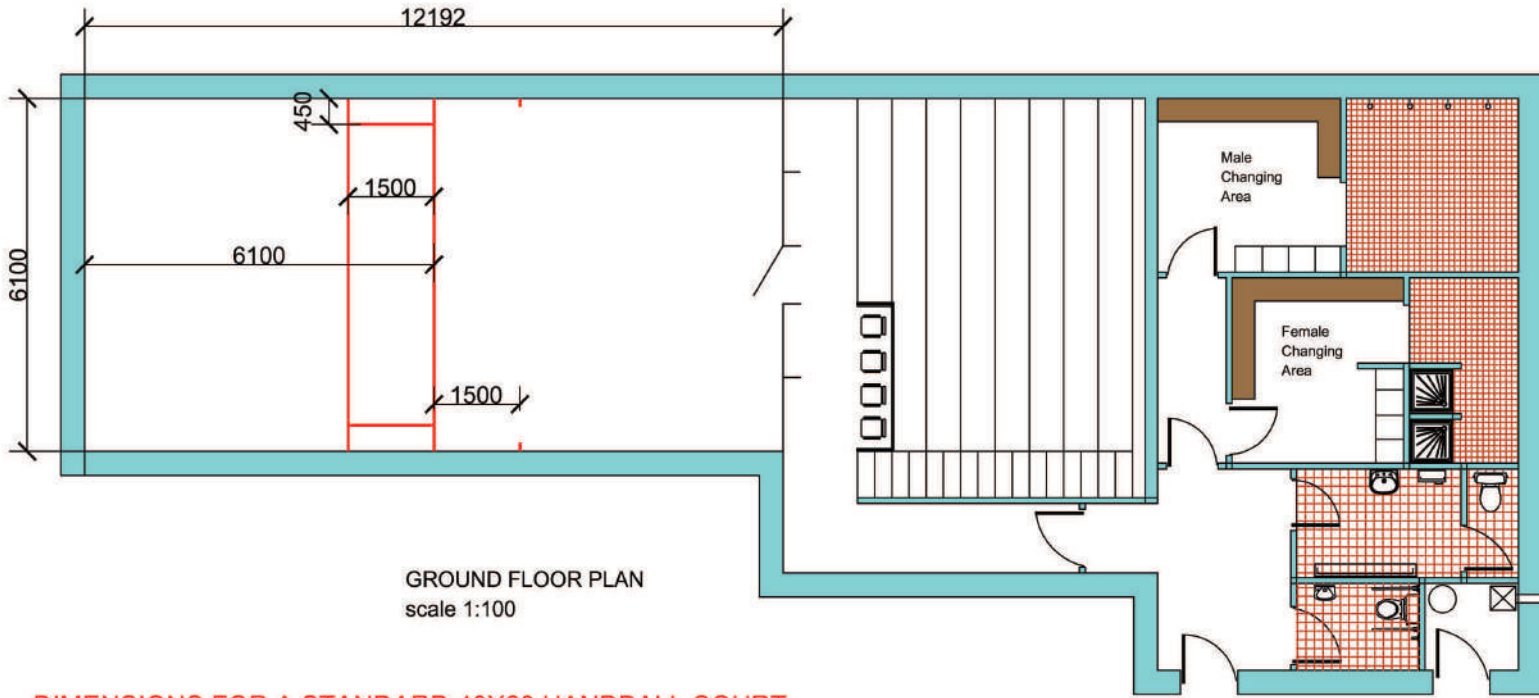


Handball Court Facilities Planning 40x20 & 60x30





GROUND FLOOR PLAN
scale 1:100

DIMENSIONS FOR A STANDARD 40X20 HANDBALL COURT

DIMENSIONS

The court measures 40ft (12.192m) long, 20ft (6.1m) wide and 20ft (6.1m) high.
 The rear backwall (glass) preferred height should be 14ft (4.3m)
 The floor of the court should be of timber flooring (maple is preferred option) on a concrete floor
 Adequate provision should be made for ventilation of the floor via wall vents and also care should be taken with regard prevention of moisture ingress through floor. All work to comply with building regulations.
 Adequate provision of lighting should be provided in the court area. Suggested lights would be 5ft dust proof fluorescent lights spaced starting at 4ft from front wall and then every 8ft..
 External windows to be positioned and size of same is optional

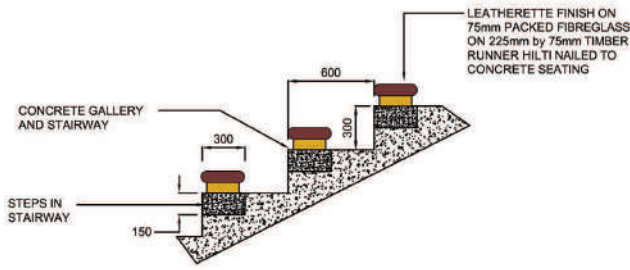
LINES AND ZONES

The floor of the court should be divided and marked with 2inch wide lines. Recommended colour is red. The lines should be marked as follows:

1. Short Line
This line is parallel with the front and rear walls. Its outside edge is 20ft (6.1m) from the front wall.
2. Service Line
This line is parallel to the short line and its outside edge is 5ft (1.5m) in front of the outside of the short line.
3. Service Zone
The service zone is the area between the outer edges of the short and service lines.
4. Service Boxes
A service box is located at each end of the service zone by lines whose outside measurements are 18inches (450mm) from and parallel to each side wall.
5. Resceivers's Restraining Lines
At a point 5ft (1.5m) back from the outside edge of the short line, lines should be marked on the floor extending 6inches (150mm) from the side wall. These lines are parallel to the short line.

GENERAL OUTLINE SPECIFICATION

External Walls to be insulated in accordance with current building regulations
 Heating adequate ventilation should be provided in all areas and in accordance with the current building regulations.
 Court heating and ventilation is most important in order to prevent condensation in the courts and which would affect handball play.
 These should be controlled by humidistats, to ensure that moisture in the air is removed. Ventillation /extraction in the court area could be controlled by fitting a 300mm Ø extractor fan in the ceiling above the rear backwall and controlled by a variable speed controller with a manual/auto switch.
 One could also consider the use of a heat recovery system which would also reduce condensation risks while also providing fresh air to the building. This could be installed in the court area and changing room areas.
 Space heating should be preferably be zoned controlled and installed in accordance with the building regulations.
 Oil or gas condensing boilers would be more efficient as a means of heating the building.
 Solar water heating should be also considered to heat the water for showers etc

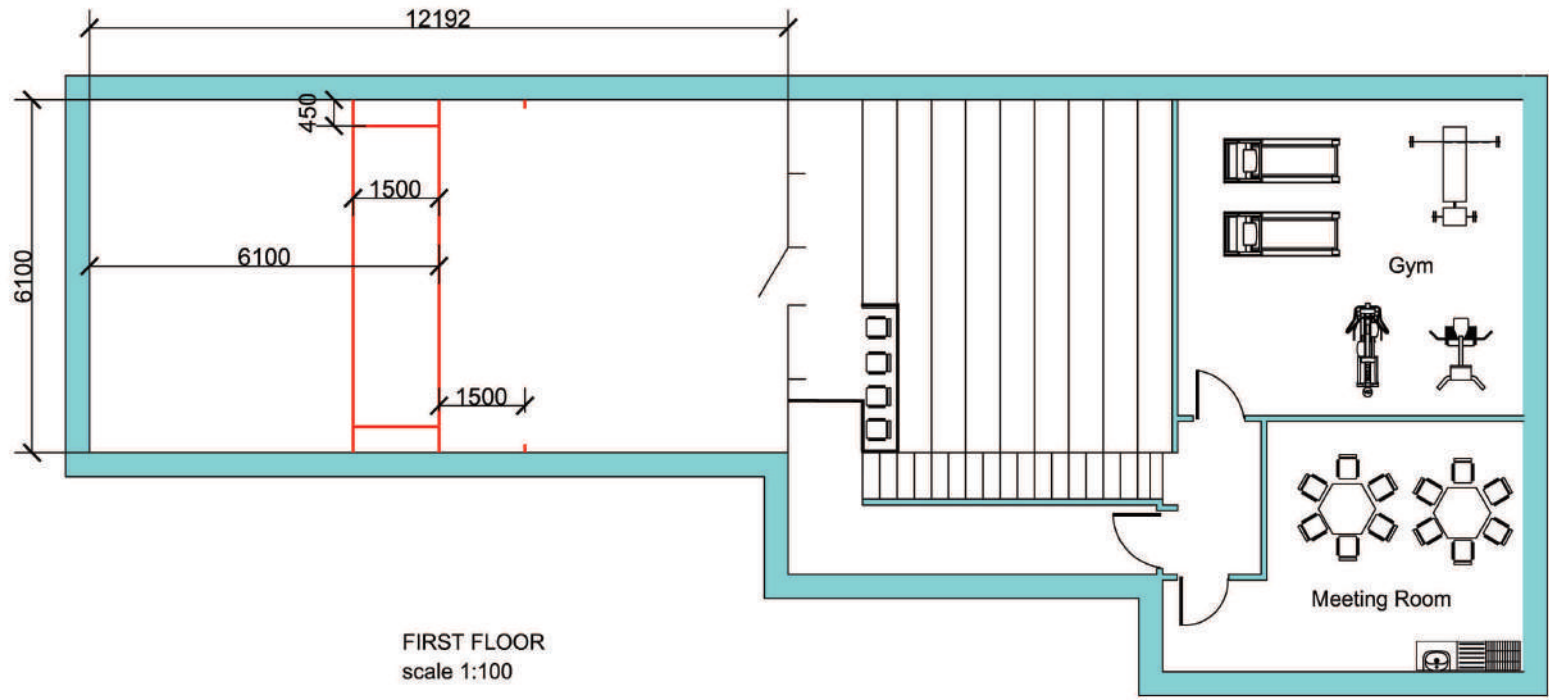


DETAIL OF VIEWING GALLERY (SCALE 1:20)

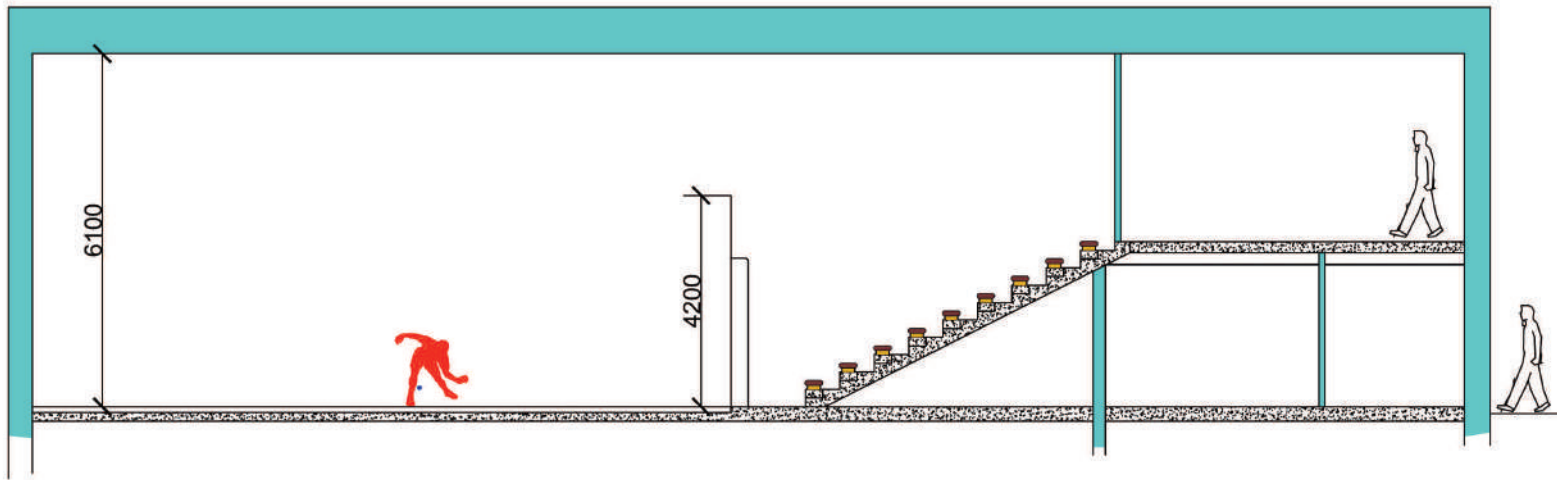
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Client:	GAA Handball Council
Project:	General Arrangement Handball Court Plans
Title:	Option 1 - 40x20 Court sheet 1 of 3
Date:	15-11-10
Drawing no.:	GAA/FC/001



FIRST FLOOR
scale 1:100



TYPICAL SECTION THRU' COURT
scale 1:100

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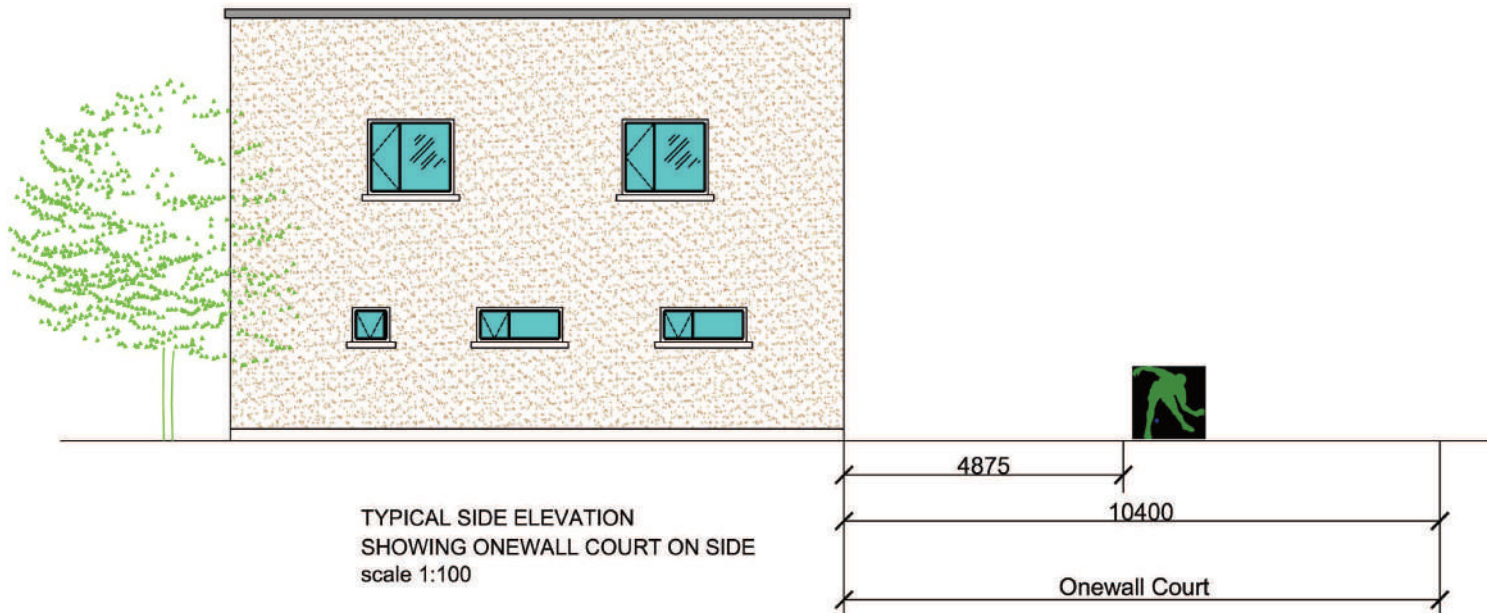
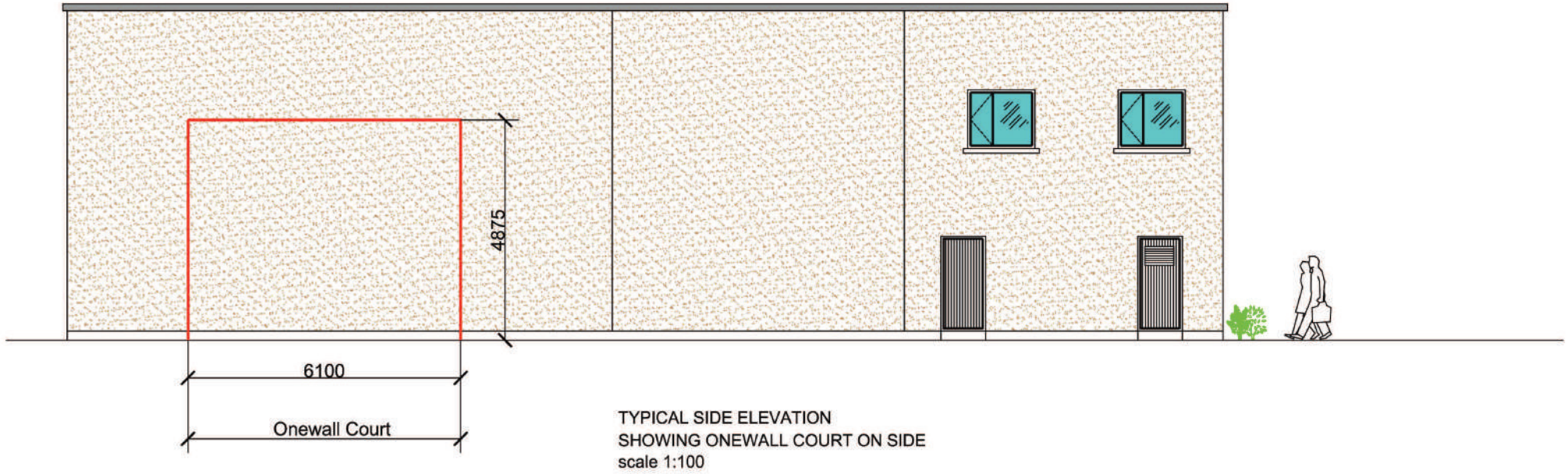
Client: GAA Handball Council

Project: General Arrangement Handball Court Plans

Title: Option 1 - 40x20 Court sheet 2 of 3

Date: 15-11-10

Drawing no.: GAA/FC/002



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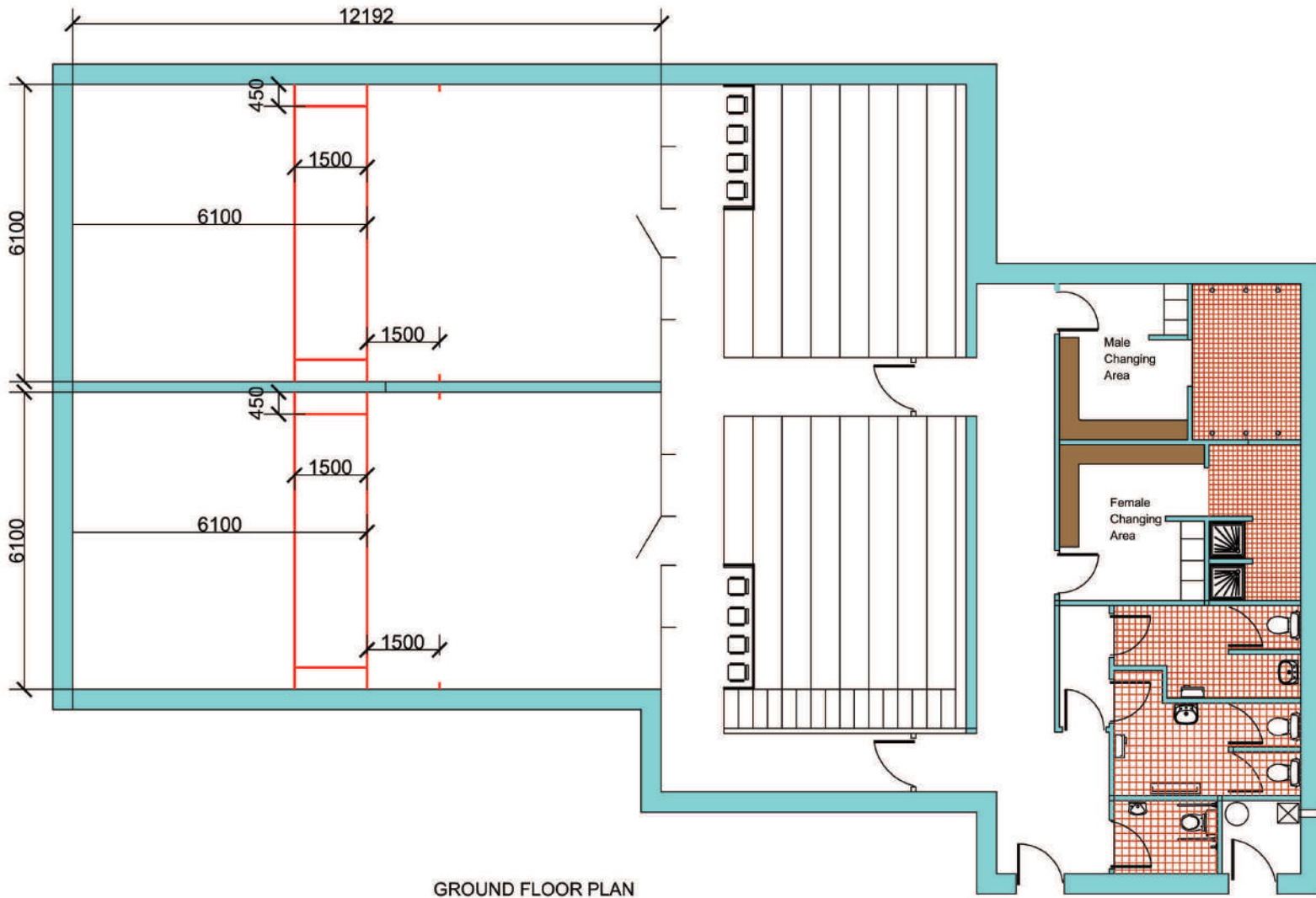
Client: GAA Handball Council

Project: General Arrangement Handball Court Plans

Title: Option 1 - 40x20 Court sheet 3 of 3

Date: 15-11-10

Drawing no.: GAA/FC/003



GROUND FLOOR PLAN
scale 1:100

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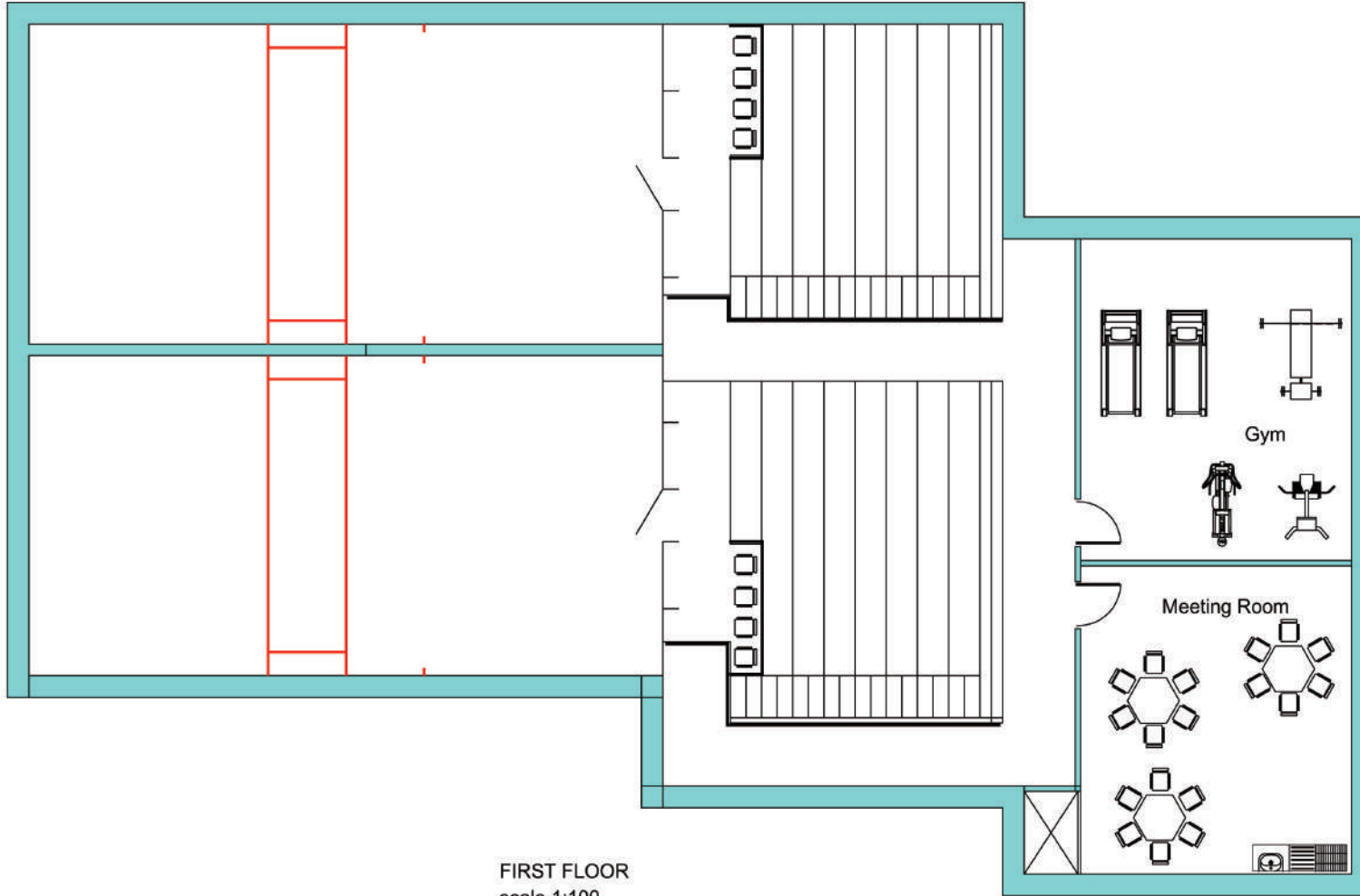
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Client: GAA Handball Council

Project: General Arrangement Handball Court Plans

Title: Option 2 - Double 40x20 Court sheet 1 of 2

Date: 15-11-10 Drawing no.: GAA/FC/004



FIRST FLOOR
scale 1:100

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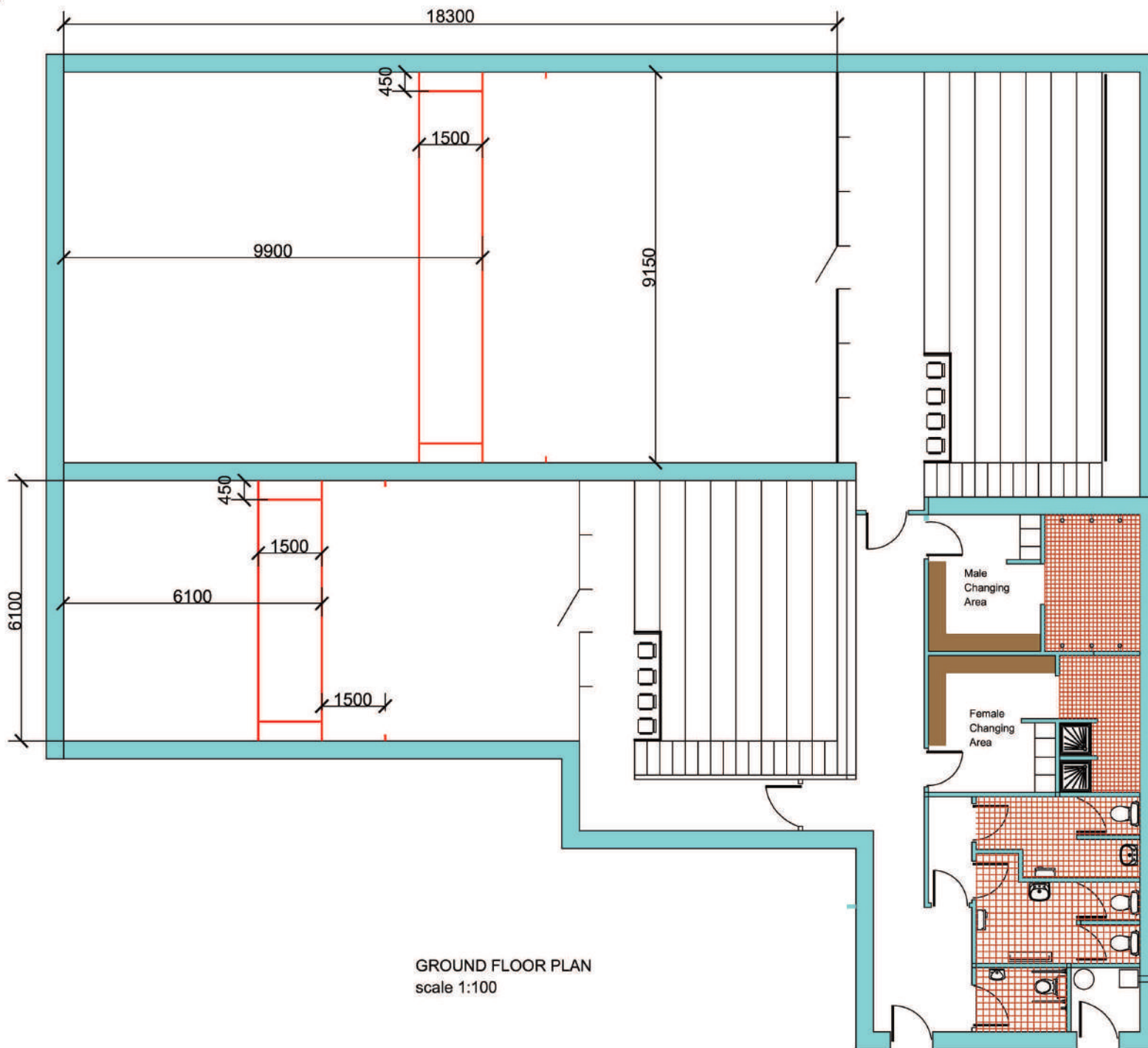
Client: GAA Handball Council

Project: General Arrangement Handball Court Plans

Title: Option 2 - Double 40x20 Court sheet 2 of 2

Date: 15-11-10

Drawing no.: GAA/FC/005



GROUND FLOOR PLAN
scale 1:100

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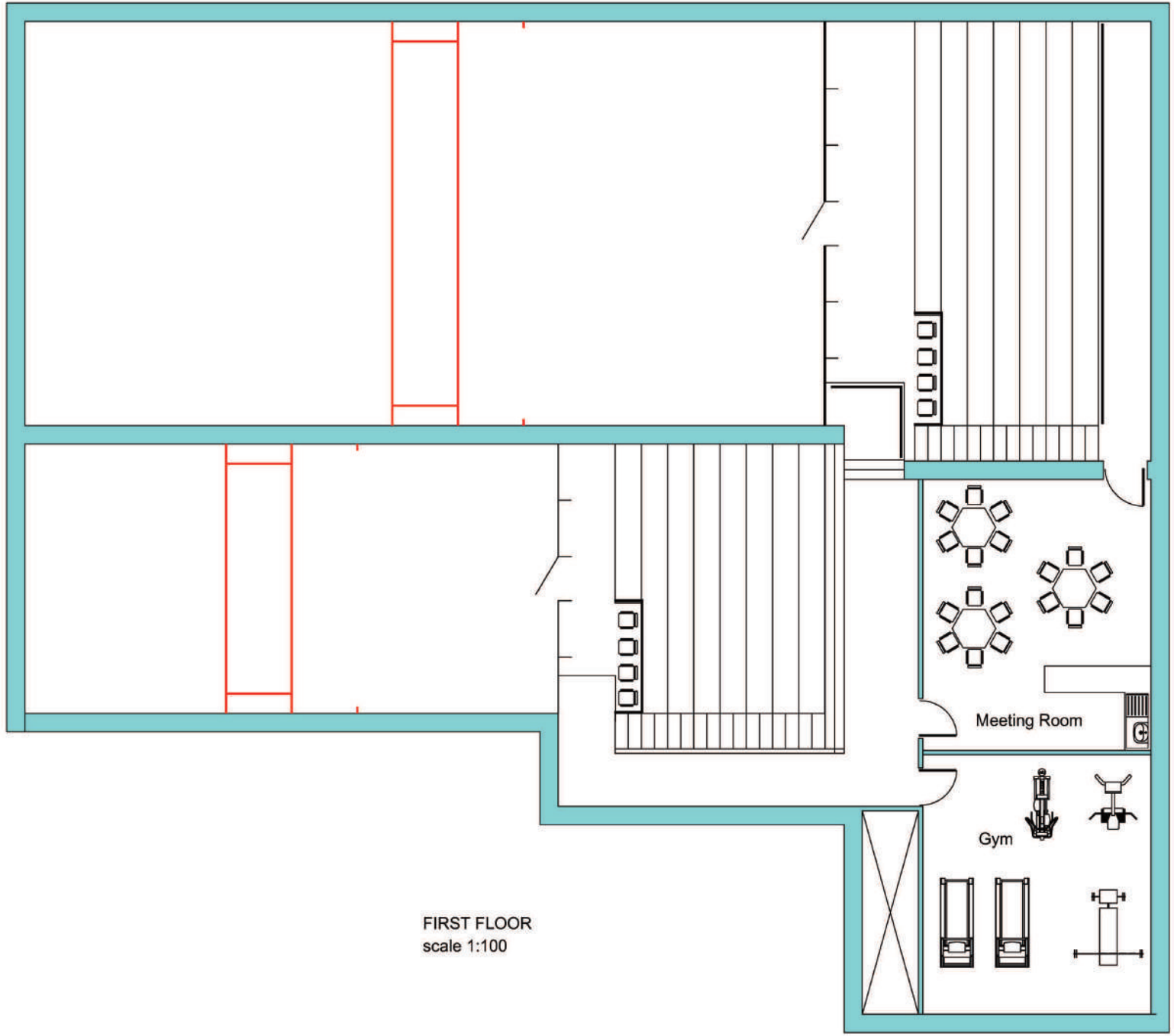
Client: GAA Handball Council

Project: General Arrangement Handball Court Plans

Title: Option 3 - 40X20/60X30 Court sheet 1 of 3

Date: 15-11-10

Drawing no.: GAA/FC/006

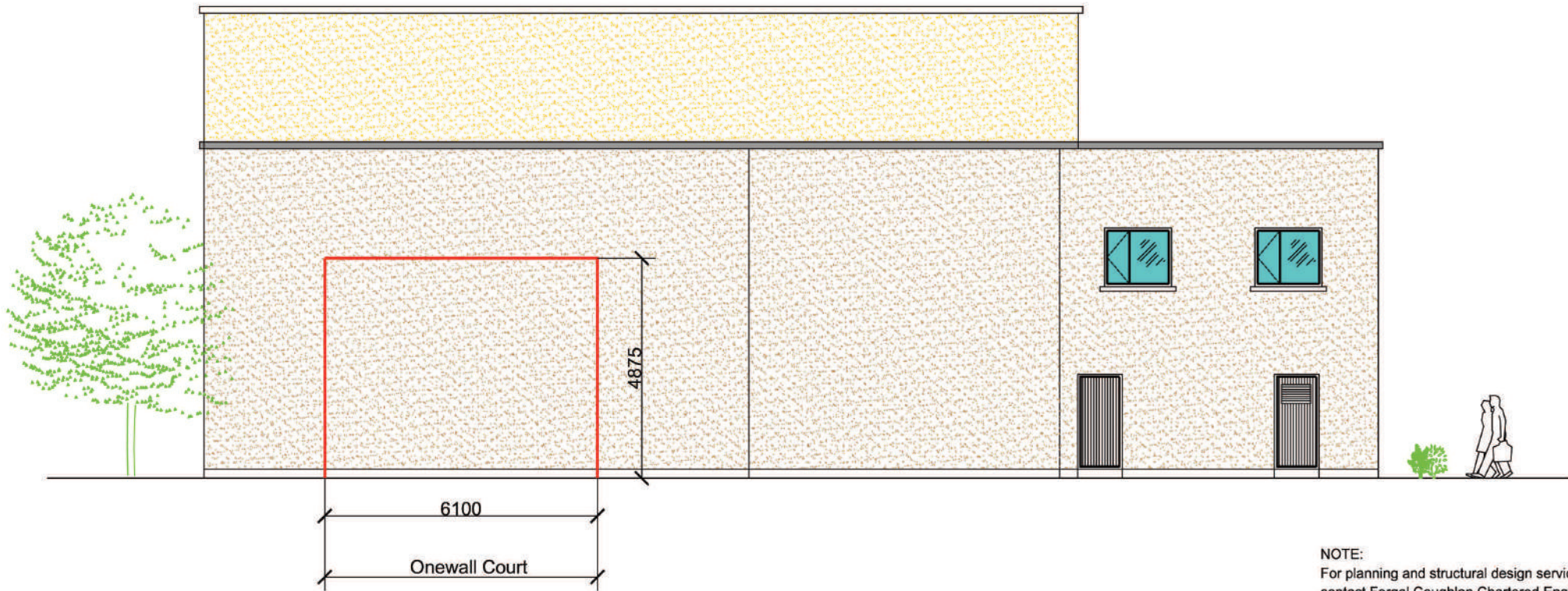


FIRST FLOOR
scale 1:100

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Client: GAA Handball Council	
Project: General Arrangement Handball Court Plans	
Title: Option 3 - 40X20/60X30 Court sheet 2 of 3	
Date: 15-11-10	Drawing no.: GAA/FC/007



TYPICAL SIDE ELEVATION
 SHOWING ONEWALL COURT ON SIDE
 scale 1:100

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Project: General Arrangement Handball Court Plans

Title: Option 3 - 40X20/60X30 Court sheet 3 of 3

Date: 15-11-10

Drawing no.: GAA/FC/008