

The weld mesh sections of the surround walls should comprise weldmesh fencing 50mm x 50mm mesh with the inner face being the horizontal mesh within the mesh. The mesh should be either 3mm or 4mm diameter for consistent rebound properties. The weld mesh sections of the surround walls should be made up of rhomboids or squares simply twisted or soldered with voids (diagonally measured) no less than 5 cm and no larger than 7.08 cm. Recommended thickness of the steel wire is between 1.6 mm and 3 mm. With a maximum of 4 mm and a tension which allows the ball to bounce off it. The outward facing mesh must be horizontal.

Glass rebound panels:- Glass rebound panels should comprise 12mm toughened glass to give a solid structure with high quality ball rebound characteristics. Where region wind loading requirements stipulate, 12mm glass panels should be adopted within the design. Glass rebound panels should incorporate counter sunk fixings to prevent irregular ball responses. Toughened (or tempered) glass panels should be used as the glass is treated so it will break into small blunt pieces under pressure making it much safer than shards of normal glass. All glass panels should be individually kite marked to the relevant European Standard. Glass manifestations should be included at the bottom of the panels and at a height of between 850mm and 1000mm for health and safety reasons. The manifestations should take the form of small spots or balls and should not take the form of larger stickers or advertisements which may compromise the toughened glass shattering. If further information is required, please refer to Part K of the building regulations..

Nets & Posts:-

The net should be 10m in length, 0.88m high at the centre, rising to 0.92m at each end, with a minimum tolerance of 5mm. The net should be suspended by a metal cable with a maximum diameter of 10mm and the ends attached to net posts (via loop an pin or loop each end). It is considered the norm that most Padel court designs will use base plated posts as opposed to utilizing the enclosure for support. This in order to comply with BS EN 1510.

Padel Tennis net Base:- Reinforced 350mm sq pad for net base. Embed post base min 175mm into pad.

Padel Tennis Posts:-

Square steel padel tennis post - 76mm sq x 3mm thick steel fitted with aluminum top caps and welded stainless steel lugs. Winder end post is fitted with heavy duty brass winding mechanism and pulley wheel. Anchor end post has a welded hook to capture loop on the tennis nets headline wire. Post drop 200mm into 90mm square steel sockets that are 360mm deep overall. Sockets are supplied with fitted steel flip top lids or plastic socket caps. Posts and sockets are powder coated green (or specific RAL colour as per specific site). Complete with stainless steel lacing bars that attach sides of tennis net to the posts for a neat and tidy finish.

Padel Tennis net:-

3.5mm Vinyl Headband Padel tennis net complete with quad stitched headband. Alternative option - Polyester Headband available. 3.5mm championship braided polyethylene 33' x 3' high PVC coated headline wire with either loop and pin or loop each end. The vinyl headband is woven from treated yarn to enhance visibility, maximize durability and minimize distortion.

Sub-Base Construction:-

Subject to site specific ground conditions and designed in accordance with the Structural Engineer. General Principle - The Foundation of the court to be formed from graded aggregates over a geotextile membrane. To include drainage system formed of underground drainage pipe-work to remove surface water from both the playing surface & the sub-base construction to a suitable outfall / external drainage system / soakaway. General assumption made of a 350mm x 350mm sq. steel reinforced (D49 Mesh /as per SE approval) ring beam. General notations for steelwork - All Steelwork to be blast cleaned to SA 2.5 and primed 75micron DFT high build zinc phosphate. All steelwork below ground shall be encased in 100mm C35 concrete with D49 mesh in centre of cover. Steelwork to be designed fabricated erected in accordance with NSS and BS 5950. Concrete quality for Reinforced Concrete shall be RC35 to BS5328 pt 2

Sub-base material build up:-

Assumption - Synthetic turf surface (Artificial Grass) 10mm (Standard NF EN 15330-1) laid on a top layer of 65mm deep porous asphalt (grit or draining - 0-8mm), with another layer of 65mm deep porous asphalt (crushed stone 4-16mm or grit or draining - 0-8mm) on a suitable free draining, non-frost susceptible aggregate sub-base 250mm thickness on a 10mm geotextile membrane. Assumed minimum - 400mm deep sub-base

Artificial grass - General

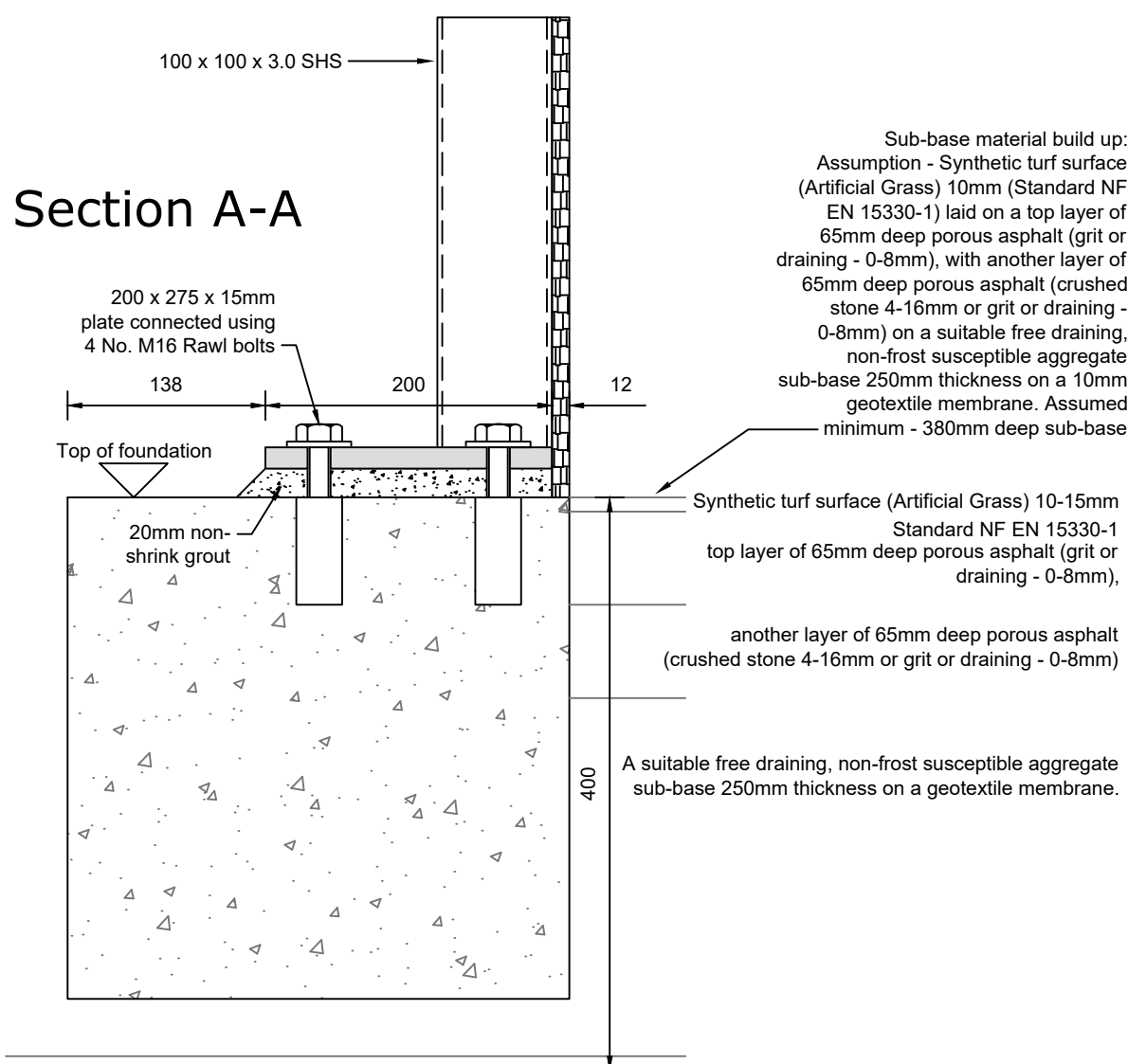
The padel court playing surface should comprise a single tone sand-dressed or sand filled artificial grass (with a preference for monofilament yarn) loose laid onto the asphalt base and dressed/filled with silica sand in accordance with the manufacturer's guidance. The artificial grass surface should be designed specifically for padel and should have the following product specification or similar. Product Specification Pile Height 10 mm - 15 mm Stex 9,000 - 10,000 Yarn Type Monofilament (preferred), Fibrillated (acceptable) Infill Material Silica Sand Primary backing Polypropylene Secondary backing Latex 40,000 - 60,000 Stitch rate

The playing surface should comply with UNE 147301: 2018 Sports surfaces for the practice of padel (Requirements) for the sports performance requirements shown in the table below. This standard is a Spanish National Standard, and the requirements have been adopted by the International Padel Federation. Padel surfacing products should be tested in the laboratory for these requirements to ensure compliance with the standard in both dry and wet conditions it would not normally be considered a requirement to carry out these tests on an installation unless specified within a tender document.

Property / Test Method / Requirement

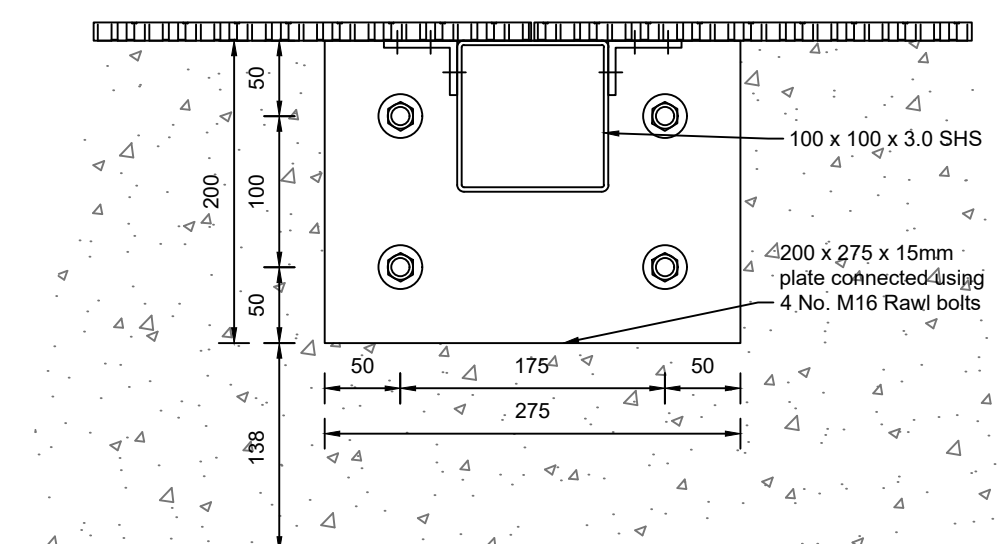
Shock Absorbency 15 - 25% (Force Reduction) EN 14808 Ball Rebound EN 12235 >80% Rotational Resistance EN 15301-1 25 - 50Nm Water Permeability EN 12616 >500mm/hr

Proposed MejoSet Standard Padel Court - Plan Scale: 1:50@A1

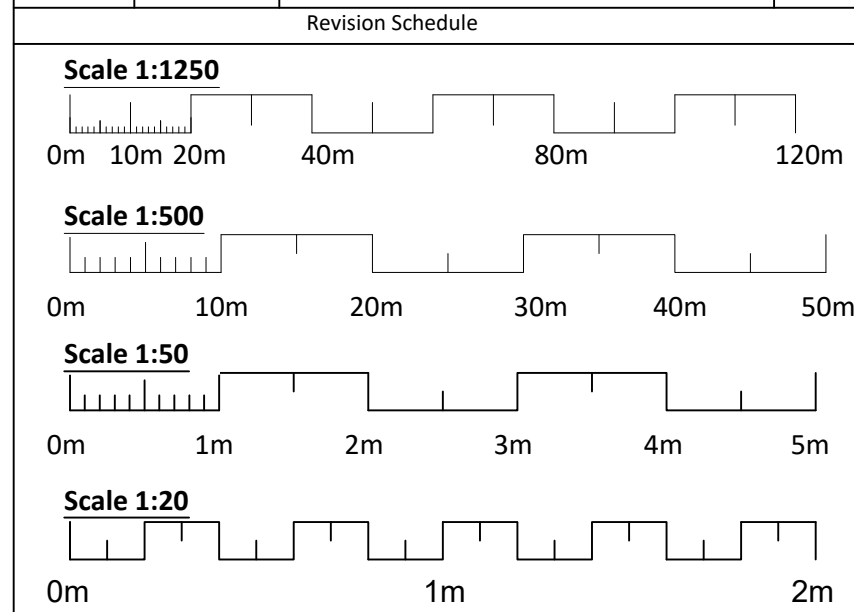


Example Base Plate Detail Scale 1:5

Plan A-A



-	-	-	-
Revision Number:	Revision Date:	Revision Description:	Issued by:



mejoSet
INTERNATIONAL FEDERATION OFFICIAL COURT

Ross Chaplin
UK Padel Distributor - Sporting Goods Co

Telephone: 07720 806182
e-mail: ross@thesportinggoods.co.uk
Website: mejoSet.com

Premium Padel Courts

PADEL
by mejoSet

Project Number:	A4224
Project Title:	Planning Application Drawing
Project Add:	Stand Cricket & Tennis Club
Client(s):	MejoSet & The Sporting Goods Co.
Project Issue Date:	Q2 2024
Drawn By:	DK
Checked By:	DK
Drawing Number:	A4224-08-O
Drawing Name:	Standard Documentation - Plan
Sheet Print Stamp:	06.07.2024 12:14
Scale:	As indicated
Paper Size:	A1