

SF-1503
02/2013

FOOTBALL FIELD - ARTIFICIAL GRASS
8005 SPRINKLER (20)

105 x 70 m
[100 + (2 x 2.5)] x [65 + (2 x 2.5 m)]

5 laterals of 4 sprinklers
Water supply : 19m³/h @ 7 bar

LIST OF MATERIAL

	Description	Quantity *
8005-SS	Sprinkler 8005-SS stainless steel riser sleeve	20 u
Falcon PC-SS	-	u
Falcon FC-SS	-	u
950E	-	u
B99500	-	u
B81600-24	Nozzle for 8005 size 20, red	10 u
B81600-12	Nozzle for 8005 size 12, beige	10 u
SJ-12-100-22	1" (26x34) Swing joint - length : 30 cm BSP/BSP	20 u
SJ-12-150-23	-	u
150-PGA	-	u
200-PGA	2" (50x60) electric valve globe/angle w/ manual isol. valve	5 u
300-BPE	-	u
VB-JMB-H	Rectangular valve box: L. 70.1, W. 53.3, H. 30.7 cm	5 u
VB-JMB-6EXT	Extension for Jumbo valve box, 17.1 cm	5 u
DBRY	30V Waterproof wire connectors	10 u
IESP4MEEU	ESP-ME 4-station controller	1 u
ESP-SM3	3-station extension module	1 u
ESP-LXMe	-	u
ESP-LX-M-SM8	-	u
RSD-BEx	Rain sensor	1 u
Ø40	-	m
Ø50	Ø50 HDPE pipes (10 bar) including fittings	250 m
Ø63	-	m
Ø75	Ø75 HDPE pipes (10 bar) including fittings	300 m
Ø90	-	m
Ø110	-	m
DI 115	1x1.5 mm ² electric cable, double insulation	600 m
RB20-6	VFD/Soft Start Pump station (19 m ³ /h at 7 bar)	1 u

Valve number:	A2 - A4	A1 ; A5
Precipitation rate in mm/h	8,8	17,6
Irrigation run time per valve for an amount of 5 mm	34	17

* ---- For a water supply and a controller located at 50 m from the field ----

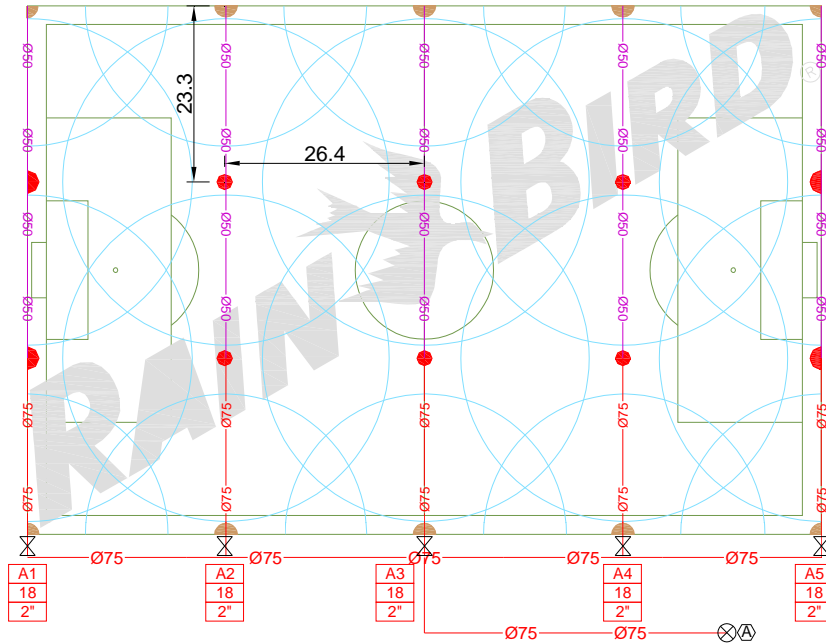
SF-1503

FOOTBALL FIELD - ARTIFICIAL GRASS

105 x 70 m

8005 SPRINKLER (20)

$[100 + (2 \times 2.5)] \times [65 + (2 \times 2.5 \text{ m})]$



Legend and technical data

- Controller and point of connexion with isolation valve
- Electricvalve

Sprinkler:	8005-SS	8005-SS
Nozzle:	#20	#12
Pressure in bar:	5,5	5,5
Radius in m:	21,6	18,5
Flow in m ³ /h:	5,42	3,23

Controller/Station/Flow/Size of the valve

A3
20.5
2"

Note :

HIGH DENSITY POLYETHYLENE PIPES: PE63 PN10 - ADDITIONAL LATERALS OUTSIDE PLAY FIELD AREA MAY BE INSTALLED PROVIDED HYDRAULIC CAPABILITY OF SUPPLY IS NOT EXCEEDED - SPRINKLER LOCATIONS ARE TO SCALE. PIPE LOCATIONS ARE DIAGRAMMATIC.

Rain Bird presents this plan as a typical sports field layout. Rain Bird offers no indemnity, expressed or implied, for projects installed from this plan. Since each site and system contains many variables, Rain Bird expressly recommends the use of a qualified irrigation designer.