

SF-1208  
01/2012

FOOTBALL FIELD  
EAGLE 950 (14) & 8005 (8)

117 x 73 m  
[ 105 + (2 x 6.0) ] x [ 68 + (2 x 2.5 m)]

Mixt version

Water supply : 23 m<sup>3</sup>/h @ 6.5 bar

**LIST OF MATERIAL**

	<u>Description</u>	<u>Quantity *</u>
8005-SS	Sprinkler 8005-SS stainless steel riser sleeve	8 u
Falcon PC-SS	-	u
Falcon FC-SS	-	u
950E	Eagle 950E valve in head rotor w/ #28 nozzle	14 u
B99500	Artificial grass cover for Eagle 950	14 u
B81600-20	8005 nozzle #20, red	8 u
212215-30	-	u
SJ-12-100-22	1" (26x34) Swing joint - length : 30 cm BSP/BSP	8 u
SJ-12-150-23	1"1/2 (40x49) Swing joint - length : 30 cm BSP/ACME	14 u
150-PGA	-	u
200-PGA	2" (50x60) electric valve globe/angle w/ manual isol. valve	2 u
300-BPE	-	u
VB-JMB-H	Rectangular valve box: L. 70.1, W. 53.3, H. 30.7 cm	2 u
VB-JMB-6EXT	Extension for Jumbo valve box, 17.1 cm	2 u
DBRY	30V Waterproof wire connectors	32 u
ESP-4MEU	ESP-Modular 4-station controller	1 u
ESP-SM3	3-station extension module	2 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	95 m
Ø63	-	m
Ø75	Ø75 HDPE pipes (10 bar) including fittings	430 m
Ø90	Ø90 HDPE pipes (10 bar) including fittings	135 m
Ø110	-	m
DI 115	1x1.5 mm <sup>2</sup> electric cable, double insulation	1750 m
CR20-7	VFD/Soft Start Pump station (25 m <sup>3</sup> /h at 7 bar)	1 u

	180°	90°	360°
Valve number:	A1, 3, 6, 8, 9	A2, 7	A4, 5
Precipitation rate in mm/h	30.1	60.1	10.6
Irrigation run time per valve for an amount of 5 mm	10	5	28

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

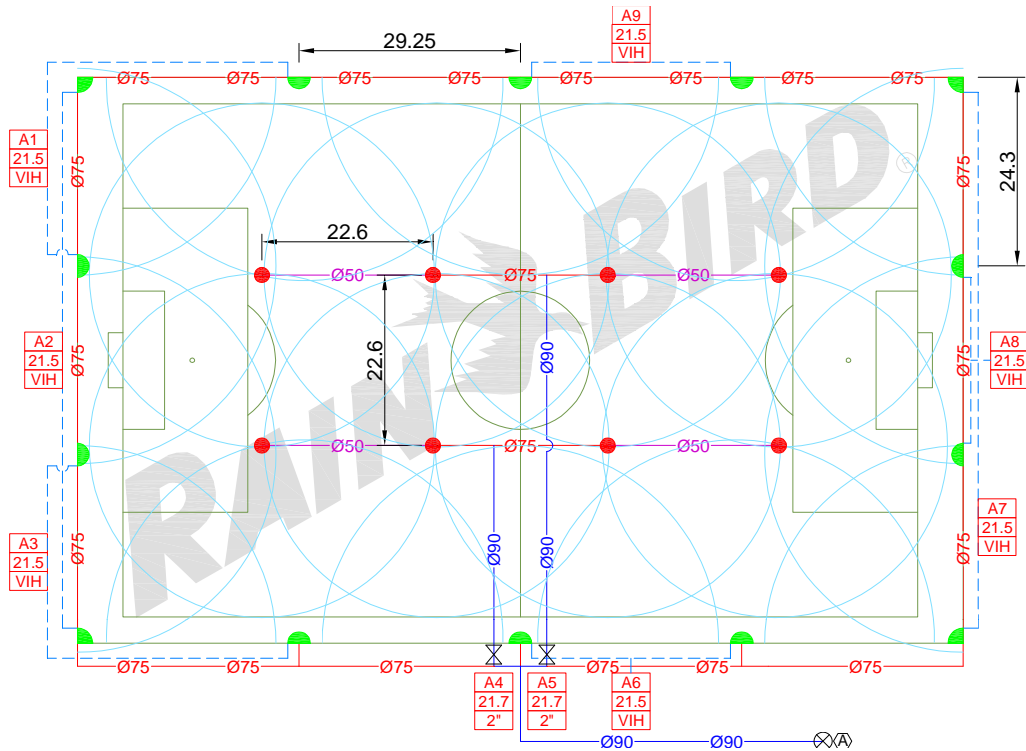
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### Legend and technical data

- Controller and point of connexion with isolation valve
- Electric valve

Sprinkler:	950E	8005-SS
Nozzle:	#28	#22
Pressure in bar:	5.5	5.5
Radius in m:	26.2	21.6
Flow in m <sup>3</sup> /h:	10.72	5.42

Controller/Station/Flow/Size of the valve

A3
20.5
2"

### Note :

HIGH DENSITY POLYETHYLENE PIPES: 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.

Due to their configuration, some sport fields require very precise arc setting rotors (nearness of buildings, stands). Because of its long range and the inherent tolerance in the arc adjustment, the Eagle 950 is not recommended for these very specific applications where no variability is acceptable. In this type of application, we strongly recommend to use rotors with shorter range like 8005.