

SF-1202  
02/2013

FOOTBALL FIELD  
Falcon 6504 SPRINKLER (40)

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

Low pressure solution

Water supply : 22 m<sup>3</sup>/h @ 4,5 bar

**LIST OF MATERIAL**

|              | <u>Description</u>  | <u>Quantity *</u> |
|--------------|---|-------------------|
| 8005-SS      | -   | u                 |
| Falcon PC-SS | Part circle sprinkler 6504 stainless steel riser sleeve       | 22 u              |
| Falcon FC-SS | Full circle sprinkler 6504 stainless steel riser sleeve       | 18 u              |
| 950E         | -   | u                 |
| B99500       | -   | u                 |
| B81600-18    | Nozzle for Falcon size 18, blue                               | 36 u              |
| B81600-12    | Nozzle for Falcon size 12, blue                               | 4 u               |
| SJ-12-100-22 | 1" (26x34) Swing joint - length : 30 cm BSP/BSP               | 40 u              |
| SJ-12-150-23 | -   | u                 |
| 150-PGA      | -   | u                 |
| 200-PGA      | 2" (50x60) electric valve globe/angle w/ manual isol. valve   | 7 u               |
| 300-BPE      | -   | u                 |
| VB-JMB-H     | Rectangular valve box: L. 70.1, W. 53.3, H. 30.7 cm           | 7 u               |
| VB-JMB-6EXT  | Extension for Jumbo valve box, 17.1 cm                        | 7 u               |
| DBRY         | 30V Waterproof wire connectors                                | 14 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                    | 530 m             |
| Ø63          | -   | m                 |
| Ø75          | -   | m                 |
| Ø90          | Ø90 HDPE pipes (10 bar) including fittings                    | 400 m             |
| Ø110         | -   | m                 |
| DI 115       | 1x1.5 mm <sup>2</sup> electric cable, double insulation       | 640 m             |
| RB20-6       | VFD/Soft Start Pump station (22 m <sup>3</sup> /h at 4.5 bar) | 1 u               |

|   |                          |                  |
|---|--------------------------|------------------|
| Valve number:                                       | 90 & 180°<br>A1, 2, 6, 7 | 360°<br>A3, 4, 5 |
| Precipitation rate in mm/h                          | 21,2                     | 10,6             |
| Irrigation run time per valve for an amount of 5 mm | 14                       | 28               |

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

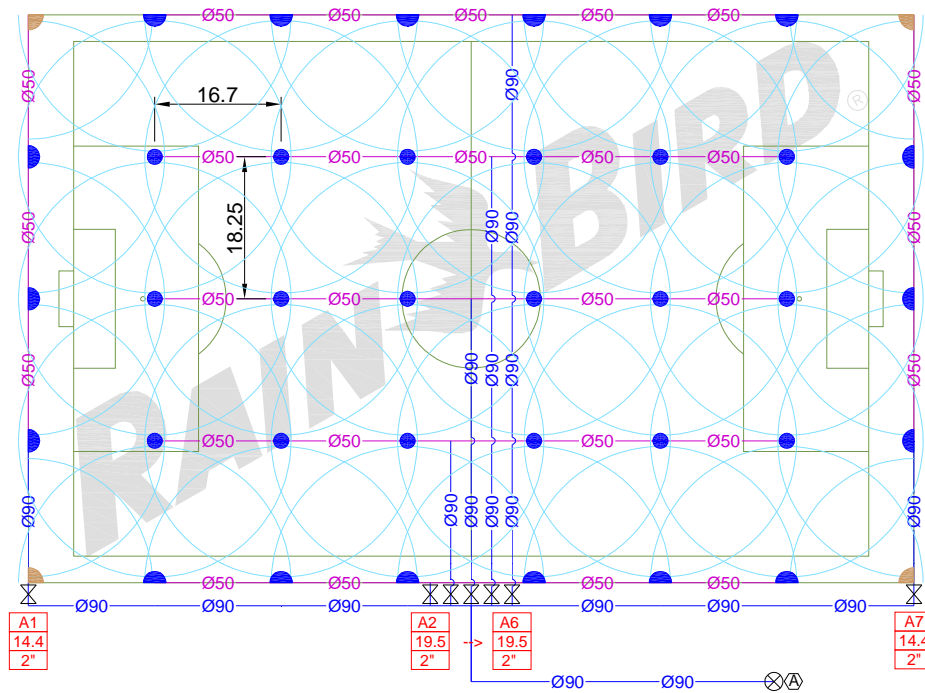
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### Legend and technical data

- A ⊗ Controller and point of connexion with isolation valve
- ⊗ Electricvalve

| Sprinkler:                 | 6504 FC-SS | 6504 PC-SS |
|----------------------------|------------|------------|
| Nozzle:                    | #18 ●      | # 12 ●     |
| Pressure in bar:           | 3,0        | 3,0        |
| Radius in m:               | 18,0       | 16,4       |
| Flow in m <sup>3</sup> /h: | 3,25       | 2,31       |

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.