

SOCCER FIELD FIVE ROW PROSPORT™ SYSTEM

IRRIGATION DESIGN CRITERIA

Water Source

Pressure Requirements:	95 PSI working pressure at field location*
	80 PSI at base of sprinkler head*
Flow Requirements:	66 GPM Maximum flow rate*
	49 GPM Minimum flow rate*

Water shall be delivered to the site at sufficient pressure and flow to provide optimum performance.

Water service line, water meter, backflow prevention device, pump station, pressure controls, check valves, surge protection, and performance of the water source are not included in these drawings.

**Differences in available flow and/or pressure will require design changes.*

Head Layout

Head layout and spacing are based on field dimensions. All heads of each row are spaced equally across the field. All heads are equally spaced along the length of field within a row.

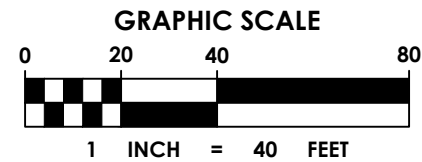
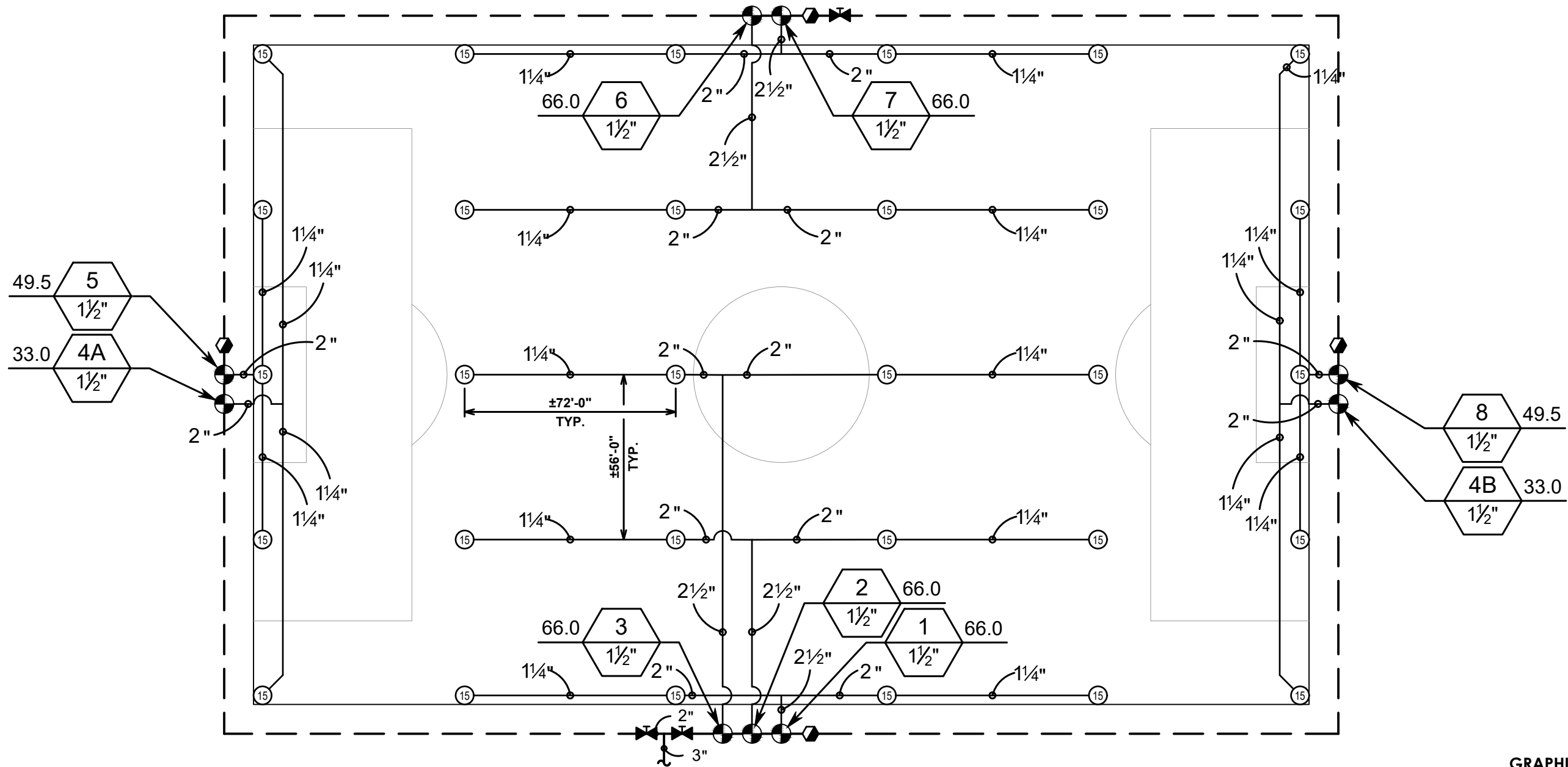
General head spacing is as follows: Head Spacing: **72'** | Lateral Spacing: **56'**

Head and lateral spacing will vary with dimensions of field. All head and nozzle selections should be based on head performance, spacing, and arc of coverage in accordance with field dimensions.

THIS PLAN IS PROVIDED BY K-RAIN AS A DESIGN GUIDE ONLY AND OFFERS NO GUARANTEE FOR PROJECTS INSTALLED FROM THIS PLAN. DUE TO MULTIPLE VARIABLES RELATED TO PROJECT CONDITIONS, K-RAIN RECOMMENDS THAT A QUALIFIED IRRIGATION DESIGNER BE CONSULTED.



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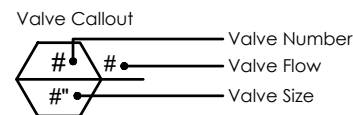


IRRIGATION SCHEDULE

SYMBOL	MANUFACTURER/MODEL/DESCRIPTION	QTY	PSI	GPM	RADIUS
⑮	K-Rain ProSport 14003-SS 4" pop-up rotor, triple-nozzle configuration, with check valve and stainless steel riser. Adjustable and Full Circle.	30	80	16.5	63'
⊕	K-Rain ProSeries 7215 Remote control valve with 1-1/2" female thread fitting, glass filled nylon construction, flow control, and self-cleaning diaphragm.	9			
⊙	Quick Coupling Valve	4			
⊗	Gate Valve (Line Size)	3			
—	Irrigation Lateral Line				
- - -	Irrigation Mainline				

VALVE SCHEDULE

NUMBER	MODEL	SIZE	TYPE	GPM	PSI	PRECIP
1	K-Rain ProSeries 7215	1-1/2"	Turf Rotor	66.00	87.11	1.00 in/h
2	K-Rain ProSeries 7215	1-1/2"	Turf Rotor	66.00	87.95	0.50 in/h
3	K-Rain ProSeries 7215	1-1/2"	Turf Rotor	66.00	88.84	0.50 in/h
4A	K-Rain ProSeries 7215	1-1/2"	Turf Rotor	33.00	85.42	2.07 in/h
4B	K-Rain ProSeries 7215	1-1/2"	Turf Rotor	33.00	85.42	2.07 in/h
5	K-Rain ProSeries 7215	1-1/2"	Turf Rotor	49.50	84.63	1.01 in/h
6	K-Rain ProSeries 7215	1-1/2"	Turf Rotor	66.00	87.95	0.50 in/h
7	K-Rain ProSeries 7215	1-1/2"	Turf Rotor	66.00	87.11	1.00 in/h
8	K-Rain ProSeries 7215	1-1/2"	Turf Rotor	49.50	84.63	1.01 in/h



GENERAL NOTES

- Head locations shown to scale.
- All valves shall be located outside of sports fields or designated play areas.
- Mainline and lateral pipe locations shown on the plan are schematic and shall be adjusted in the field.
- Pipe sizes shall conform to those shown on the drawings. No substitutions of smaller pipe sizes shall be permitted.
- Ensure all mainline piping is properly restrained.
- Ensure all irrigation components are installed according to local, state, or federal code.
- Refer to K-Rain Installation Details.
- Refer to K-Rain Product Brochure for Performance Data.
- For reclaimed water identification, add RCW to model numbers.

NOTE

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VERIFY SCALES

0 1"

IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

DRAWING TITLE

SOCCKER FIELD
FIVE ROW PROSPORT

