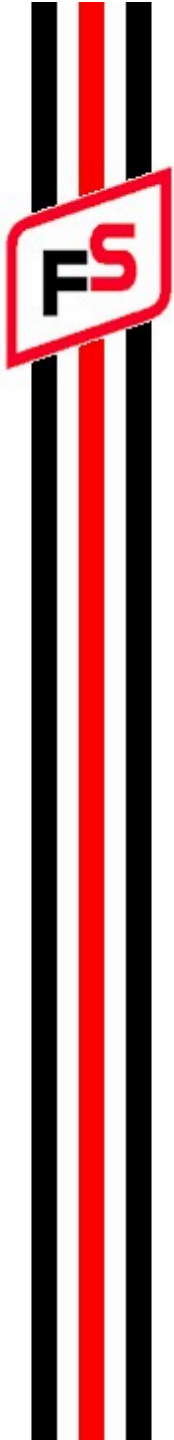


Using GPS Guidance Products To Improve Energy Efficiency On The Farm

Bob Barker
CCA, CCS

Precision Seed Specialist



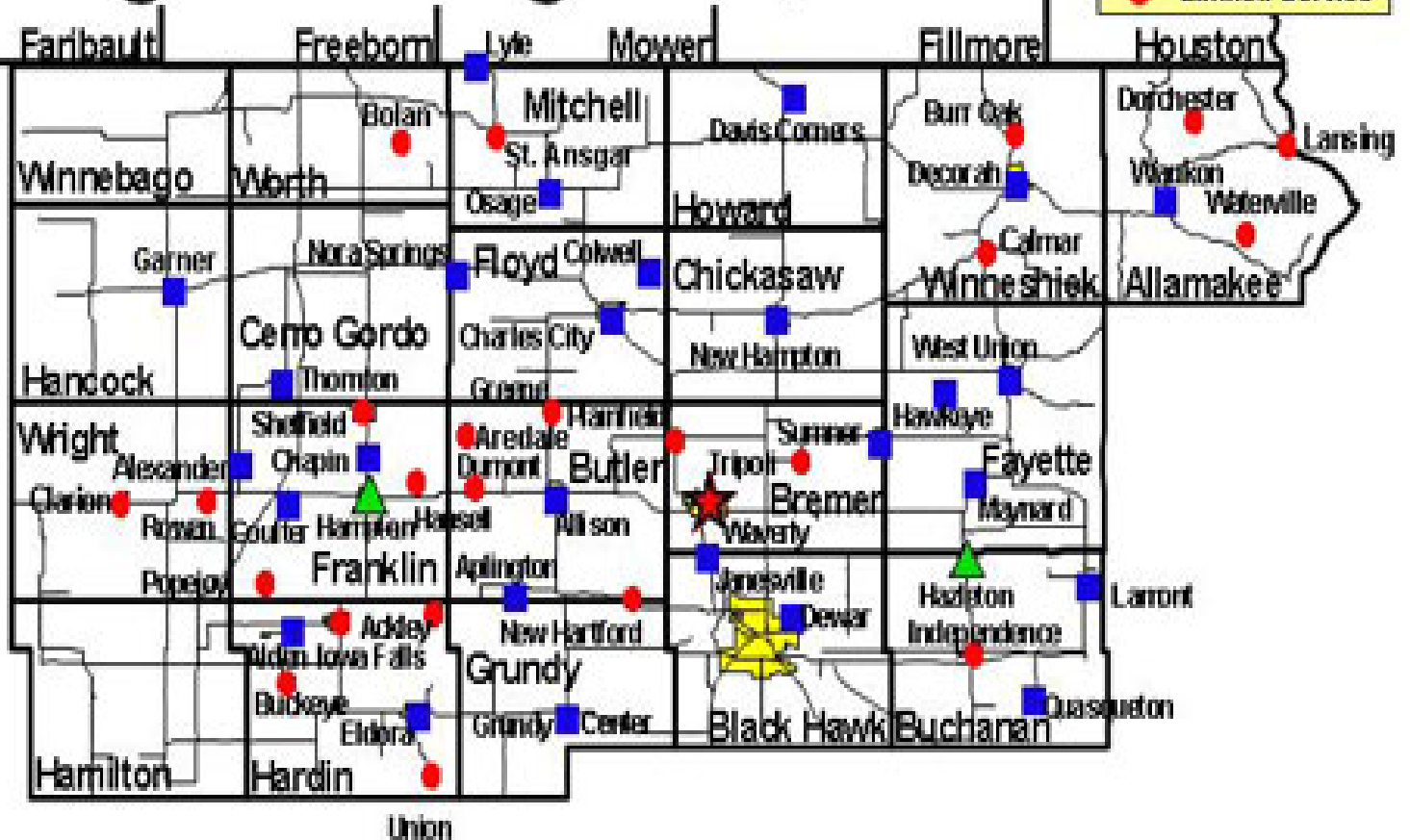
AgVantage FS, Inc.

- Agronomy, Energy, Grain, Structures
- Employees
 - 180 Full Time
 - 70 Part Time
- Locations
 - 30 Full Time
 - 23 Seasonal



Ag Vantage FS, Inc.

- ★ Corporate Office
- ▲ Regional Office
- Full Service
- Limited Service





Products and Services

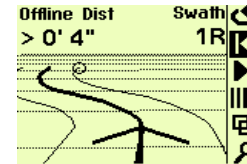
- Trimble, Ag Leader, Raven, SST
- Grid Soil Testing
 - since 1994
 - 50,000 + acres per year
- Variable Rate Phosphorus, Potassium, and Lime
- Yield/Site Verification Mapping
 - 125,000 acres in 2004
- Information Management





Precision Farming Tools

- Lightbar with GPS
- Field mapping hardware and software
 - Ag Leader PF Series and Insight monitors
 - SST Summit / Stratus
- Yield monitor with GPS
- GIS software
 - Ag Leader SMS
 - ESRI Arc view
 - Enhanced Farm Research Analyst Extension





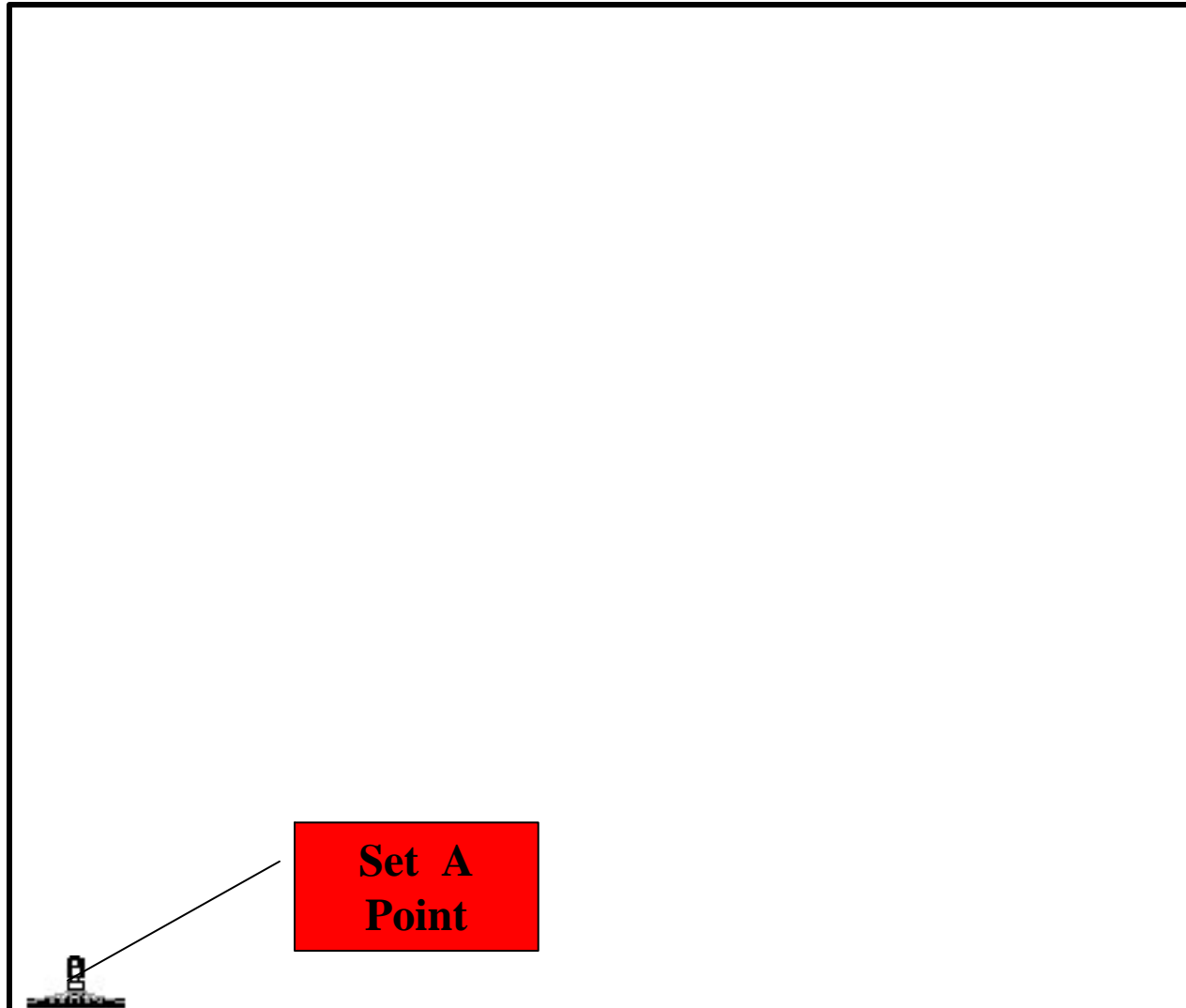
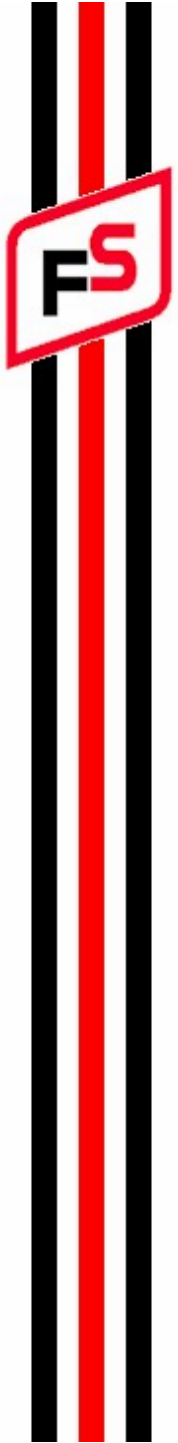
Lightbar Uses

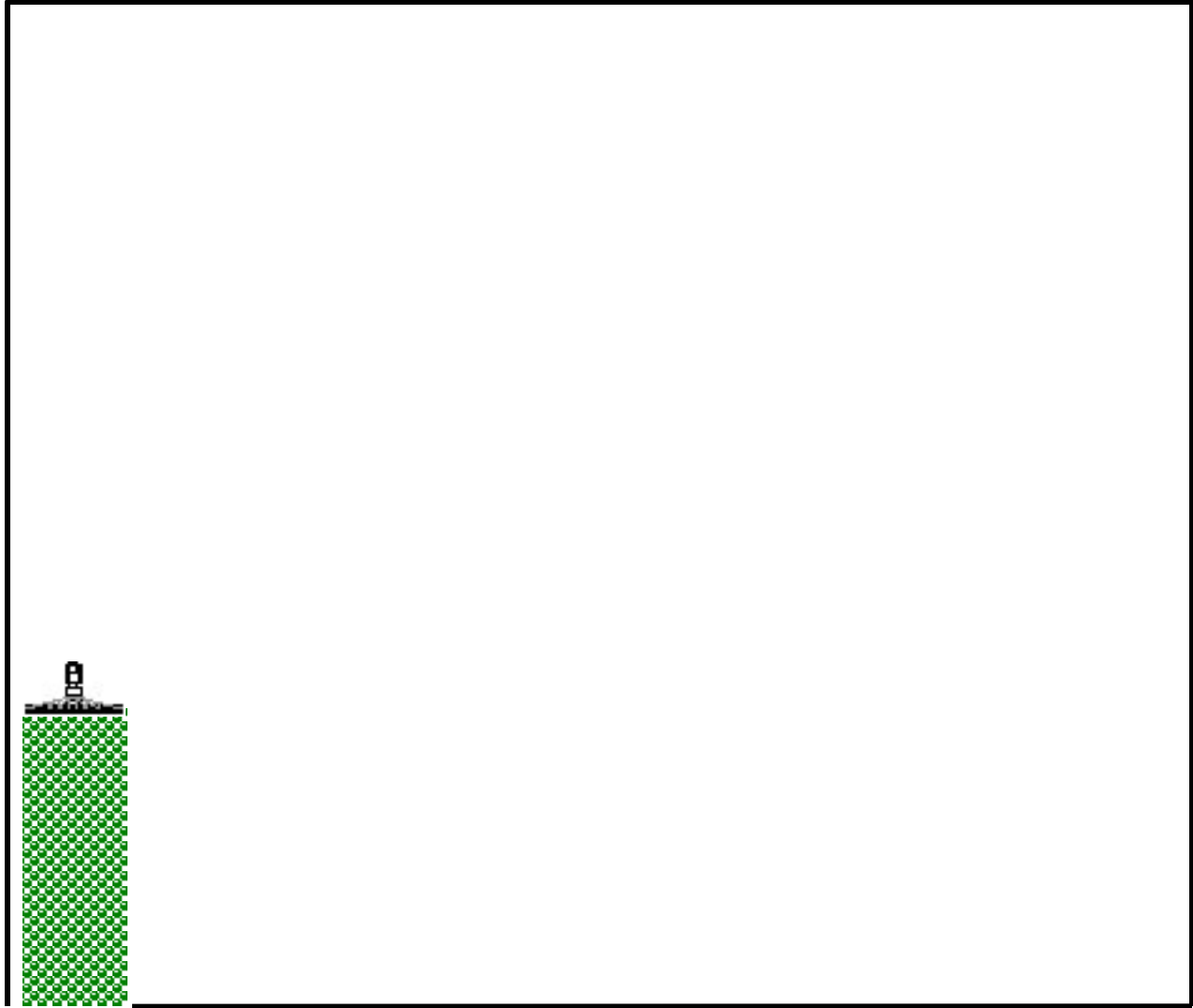
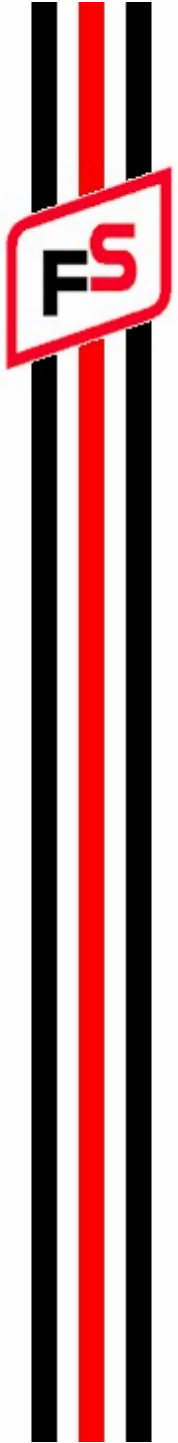
- Pesticide, Fertilizer, and Herbicide Applications
- Tillage
- Planter and Drill
- Combine
- Installing Tile
- Anhydrous Ammonia Application

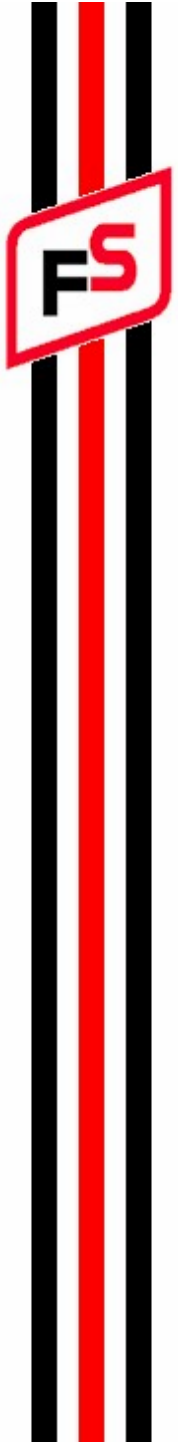


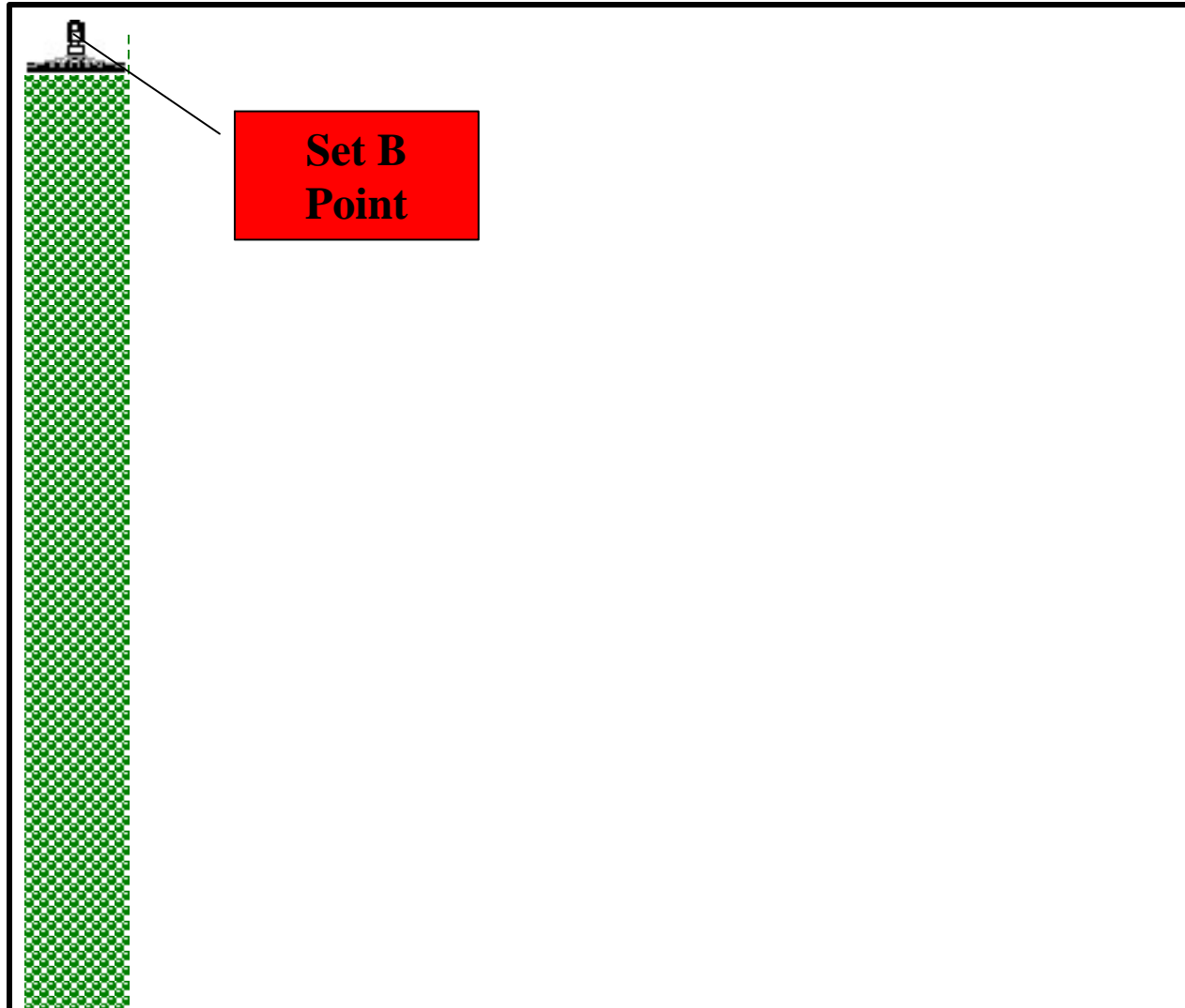
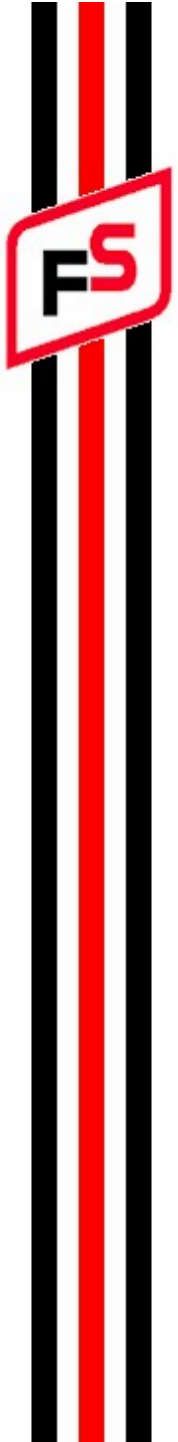
Light bar / Guidance Benefits

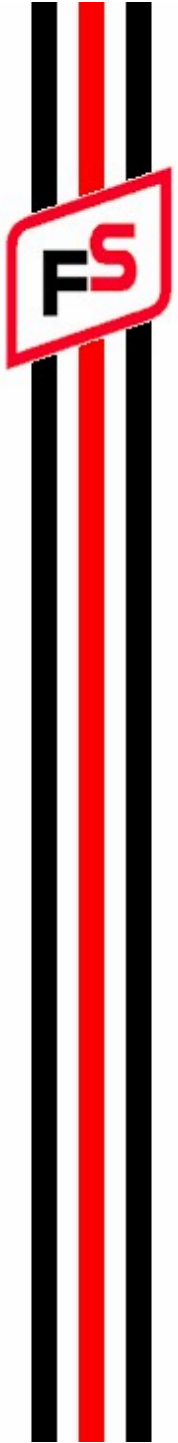
- Reduce skips and overlaps
- Drive faster
- Extended hours dust, fog, night
- Reduced driver fatigue
- Requires less skilled labor {RTK}
- Create Skips

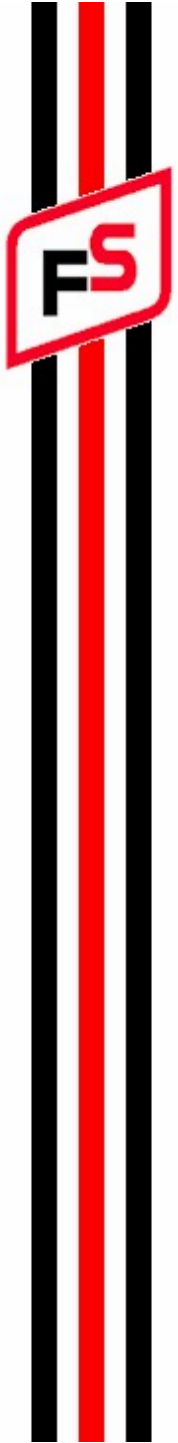


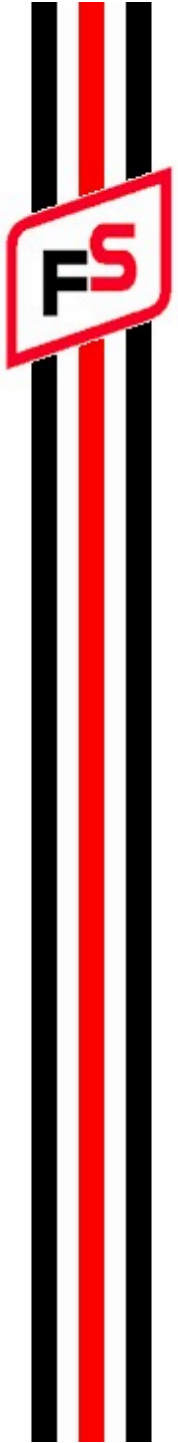


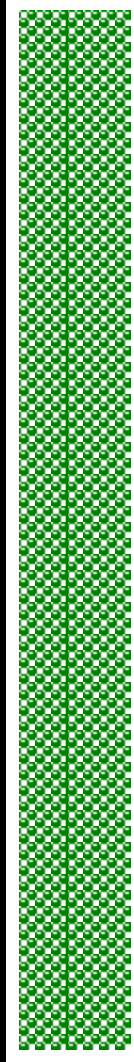



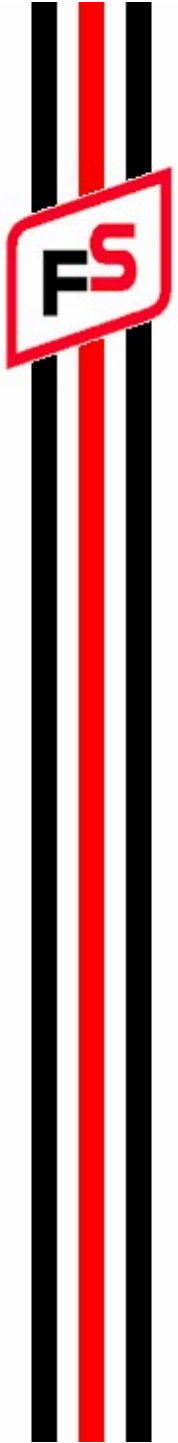




A large rectangular table with a black border, containing 10 columns and 1 row. The first column on the left is filled with a green cross-hatch pattern. The remaining 9 columns are empty. At the top center of the table, there is a small black icon of a person with arms raised, possibly representing a goal or a player.

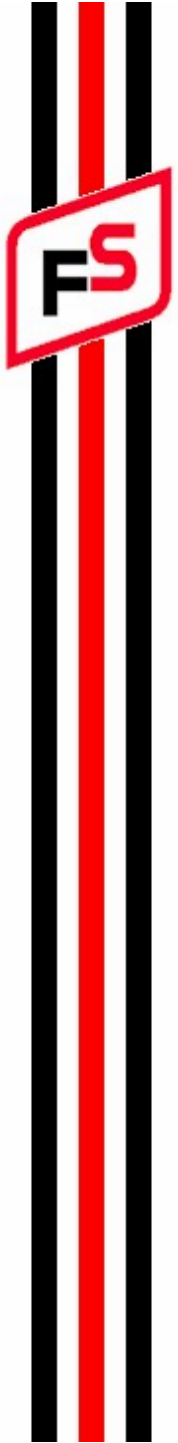
A large rectangular area for handwriting practice. It features a green checkered pattern on the left side, a small graphic of a pen nib pointing downwards in the center, and a series of vertical green lines that create ten columns for writing. The entire grid is enclosed in a black border.

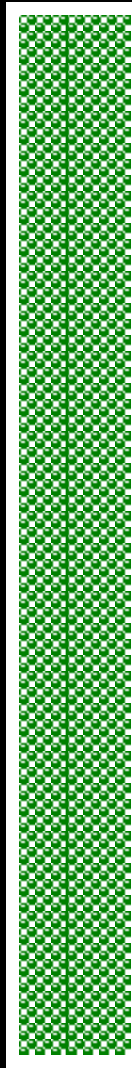
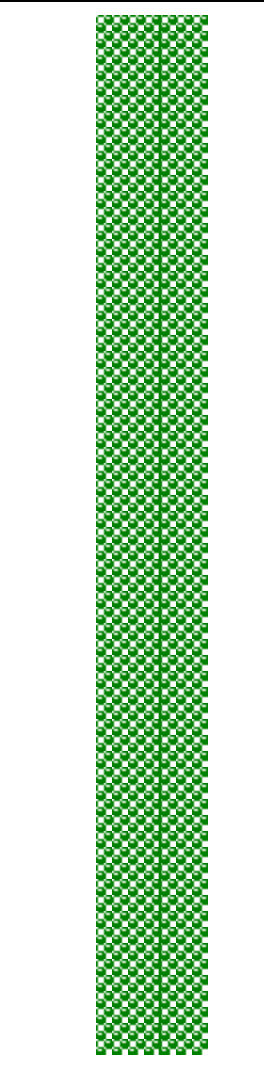



																		
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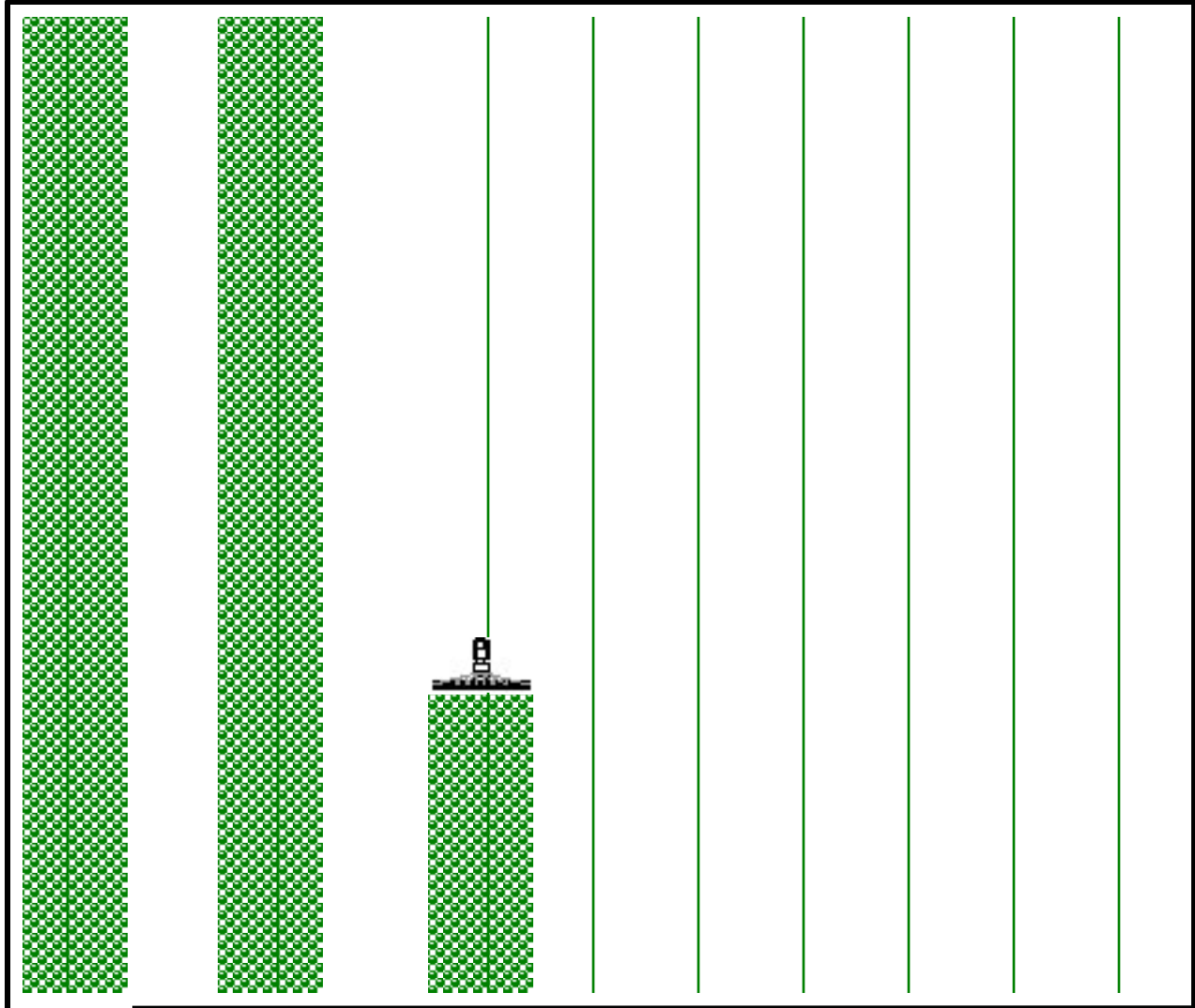
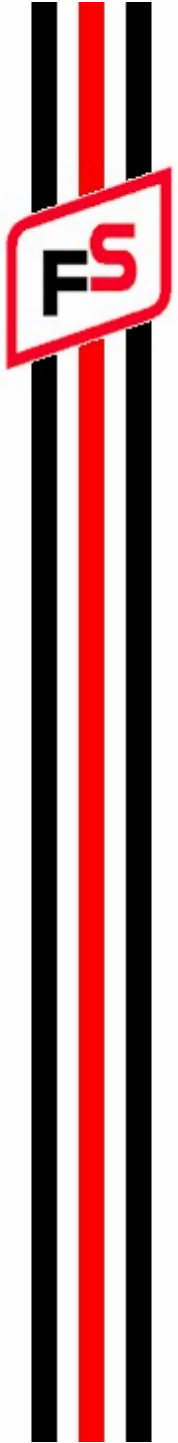


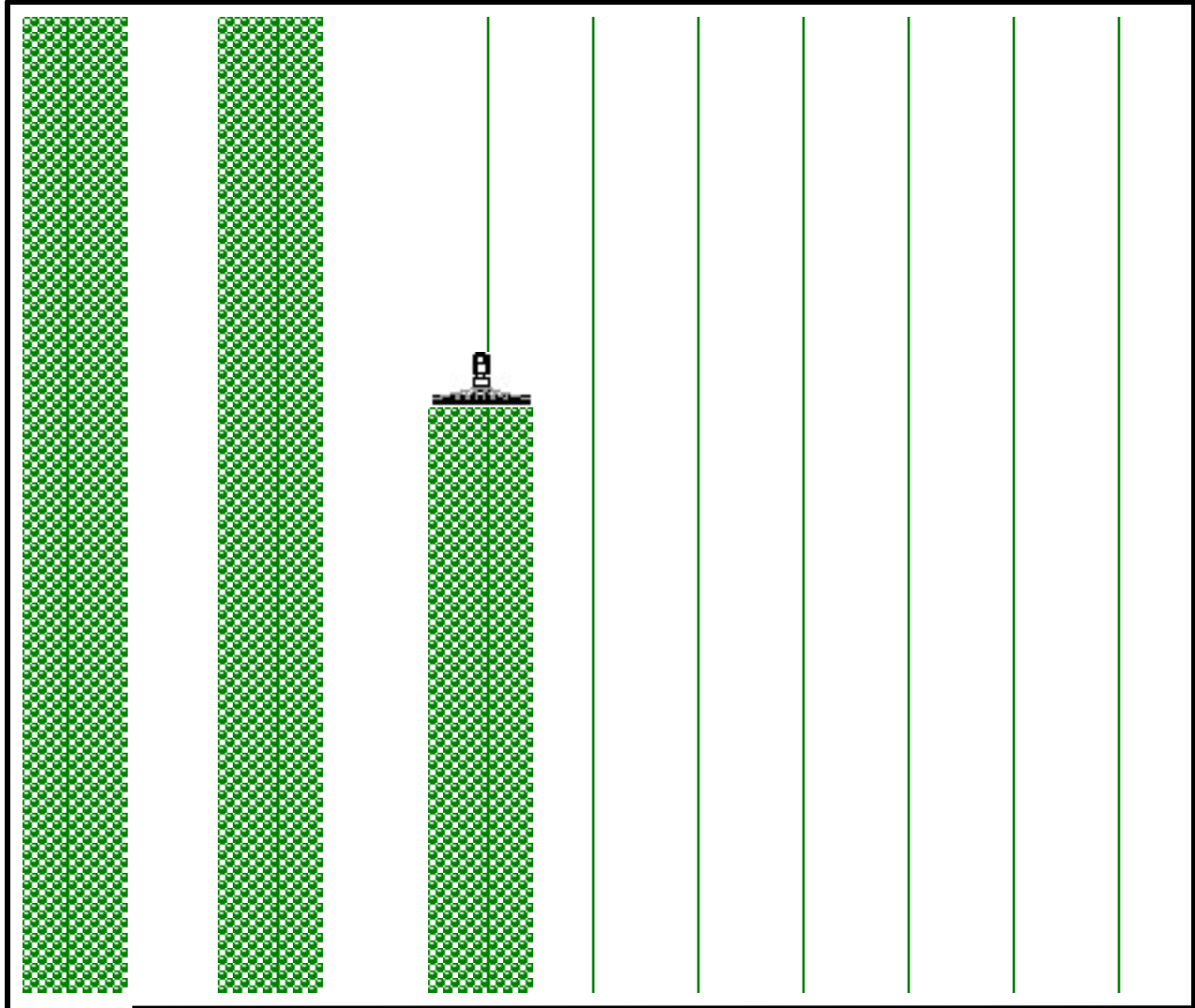
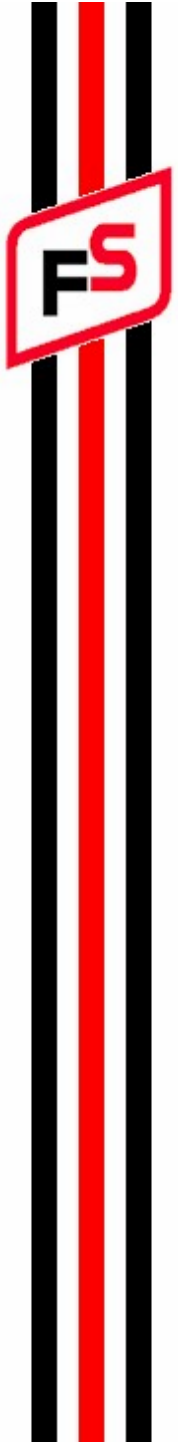
																		
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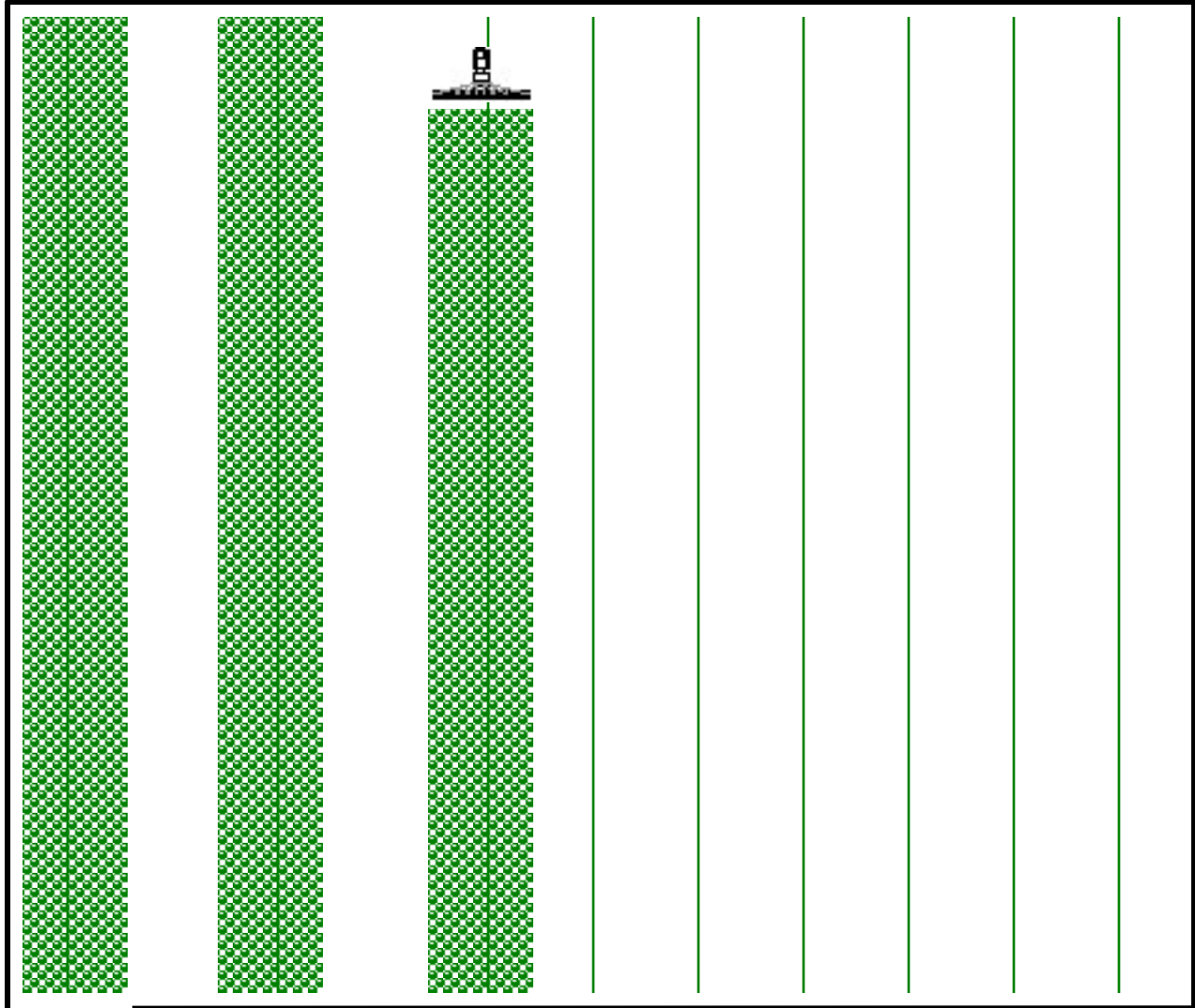
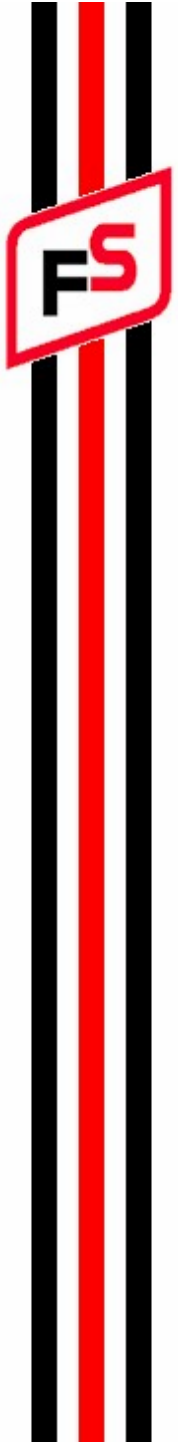


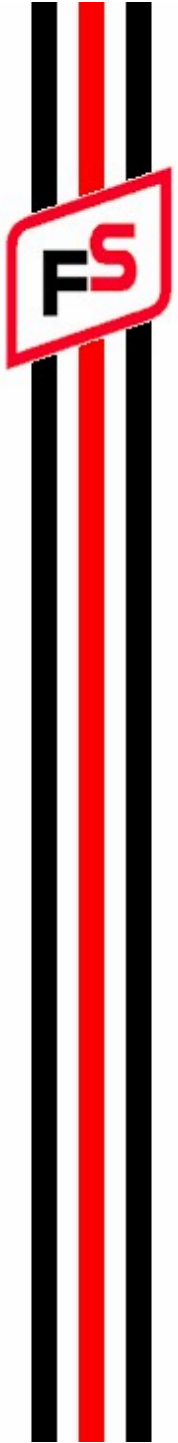
									
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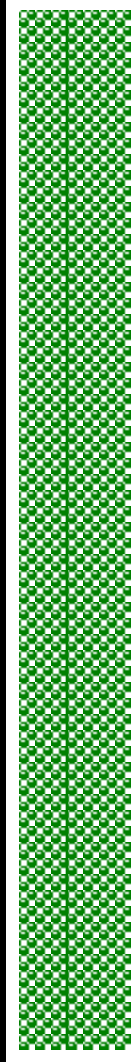








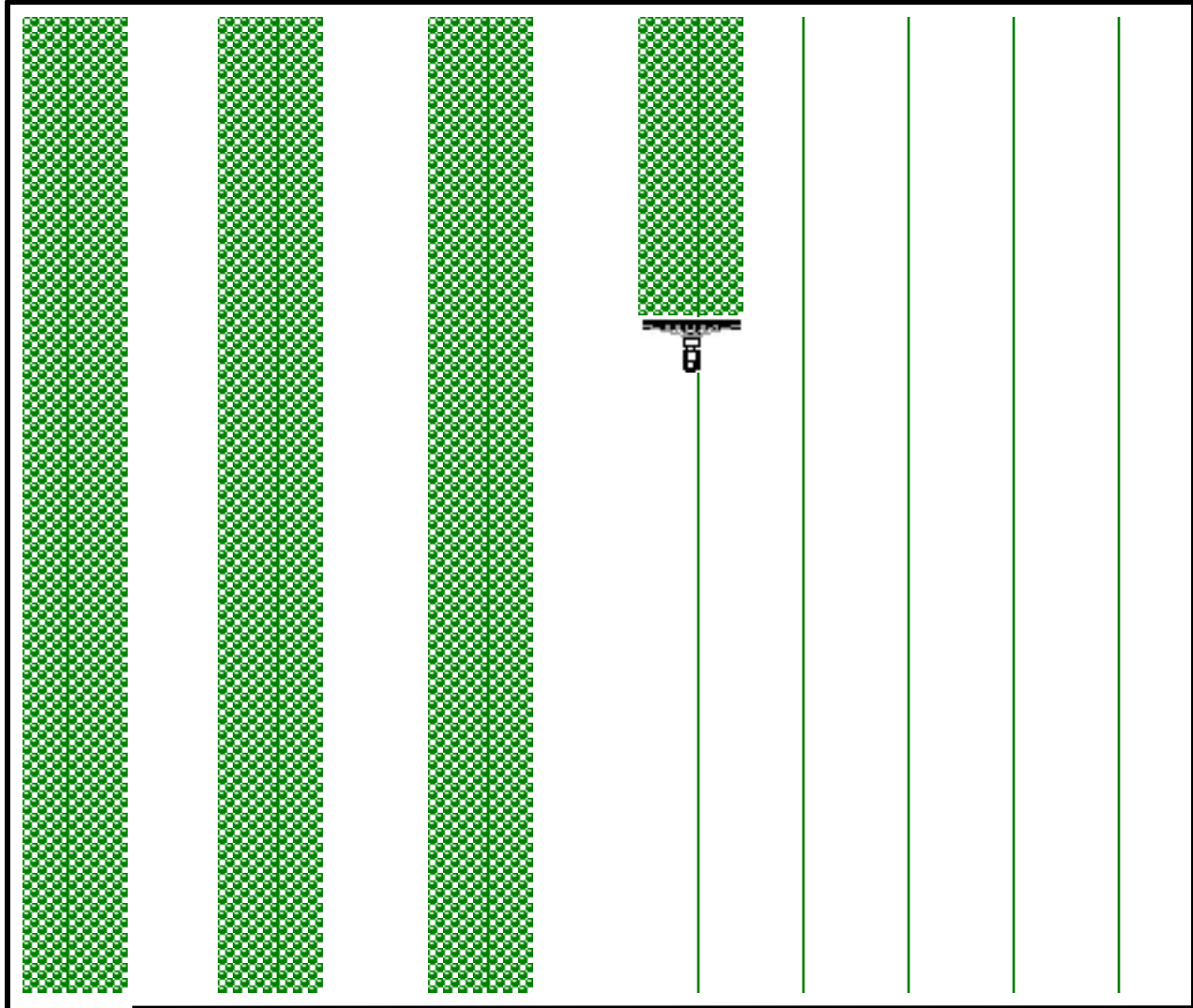
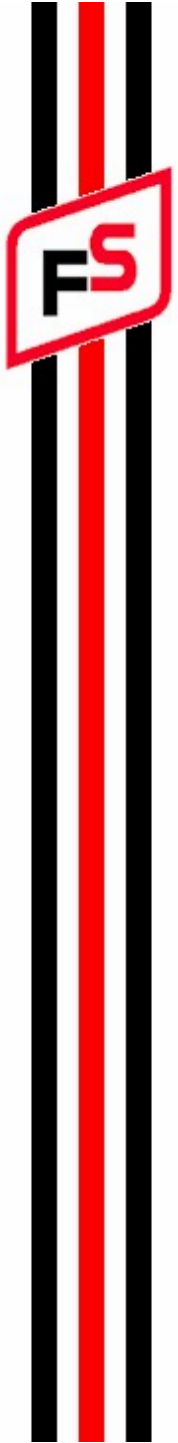


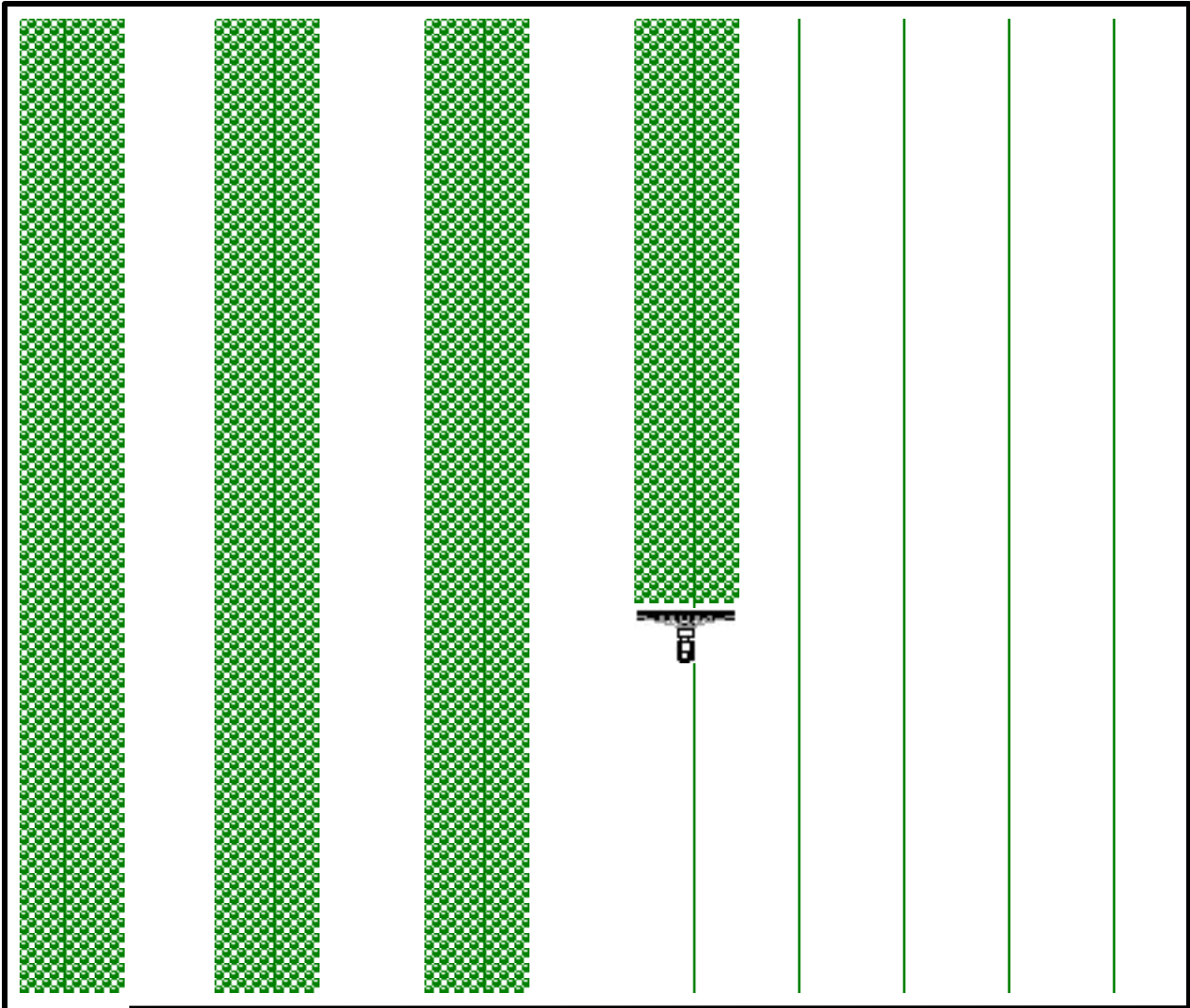
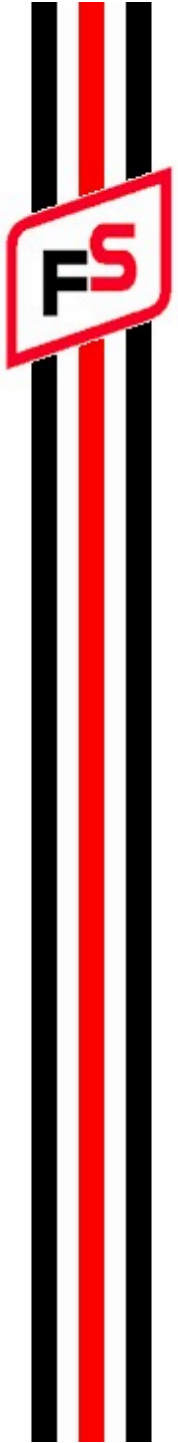


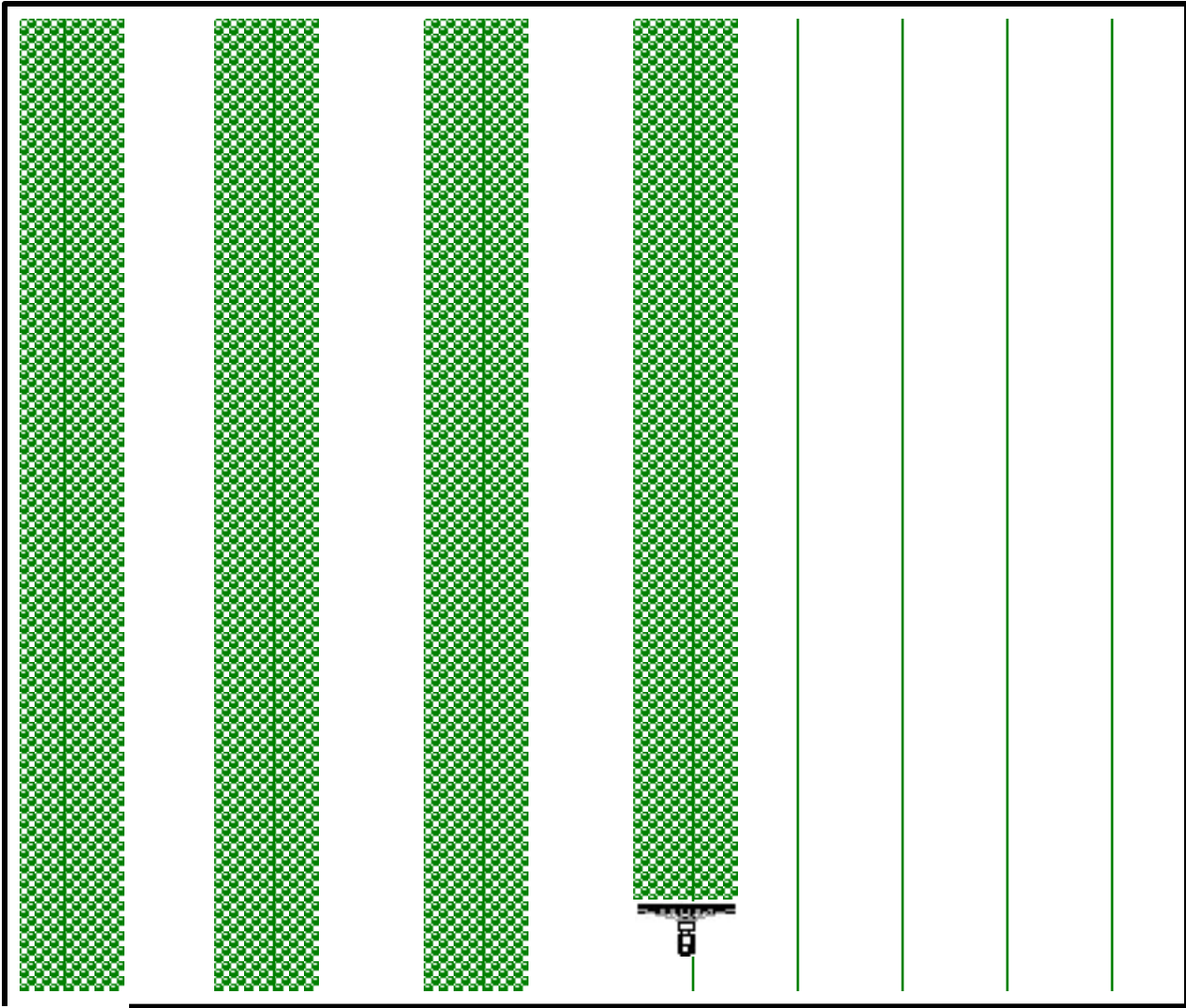
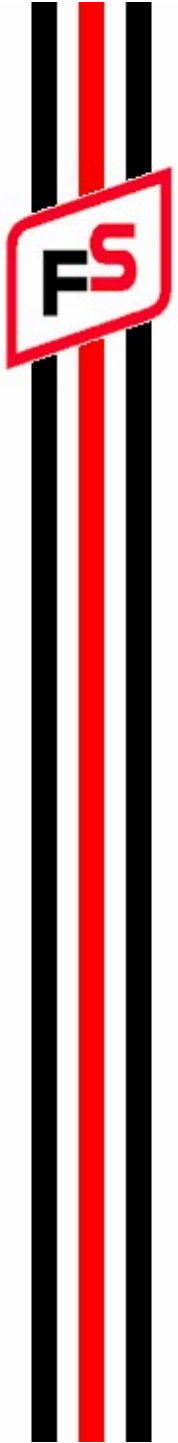


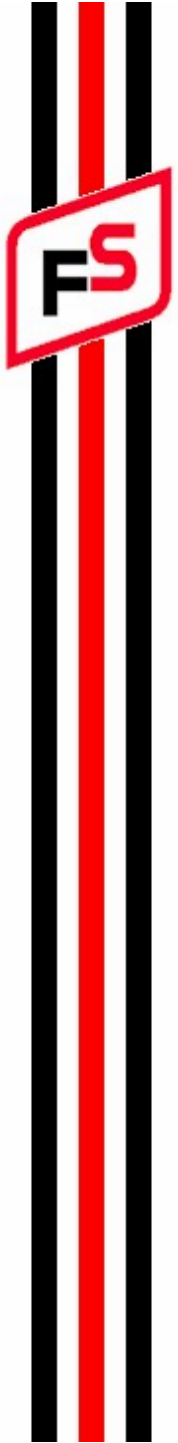
											
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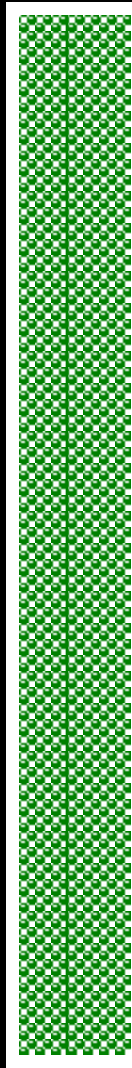














A small logo is positioned at the top center of the table, above the fifth column. It features a horizontal bar with the letters 'FS' below it, and a vertical line extending downwards from the center of the bar.

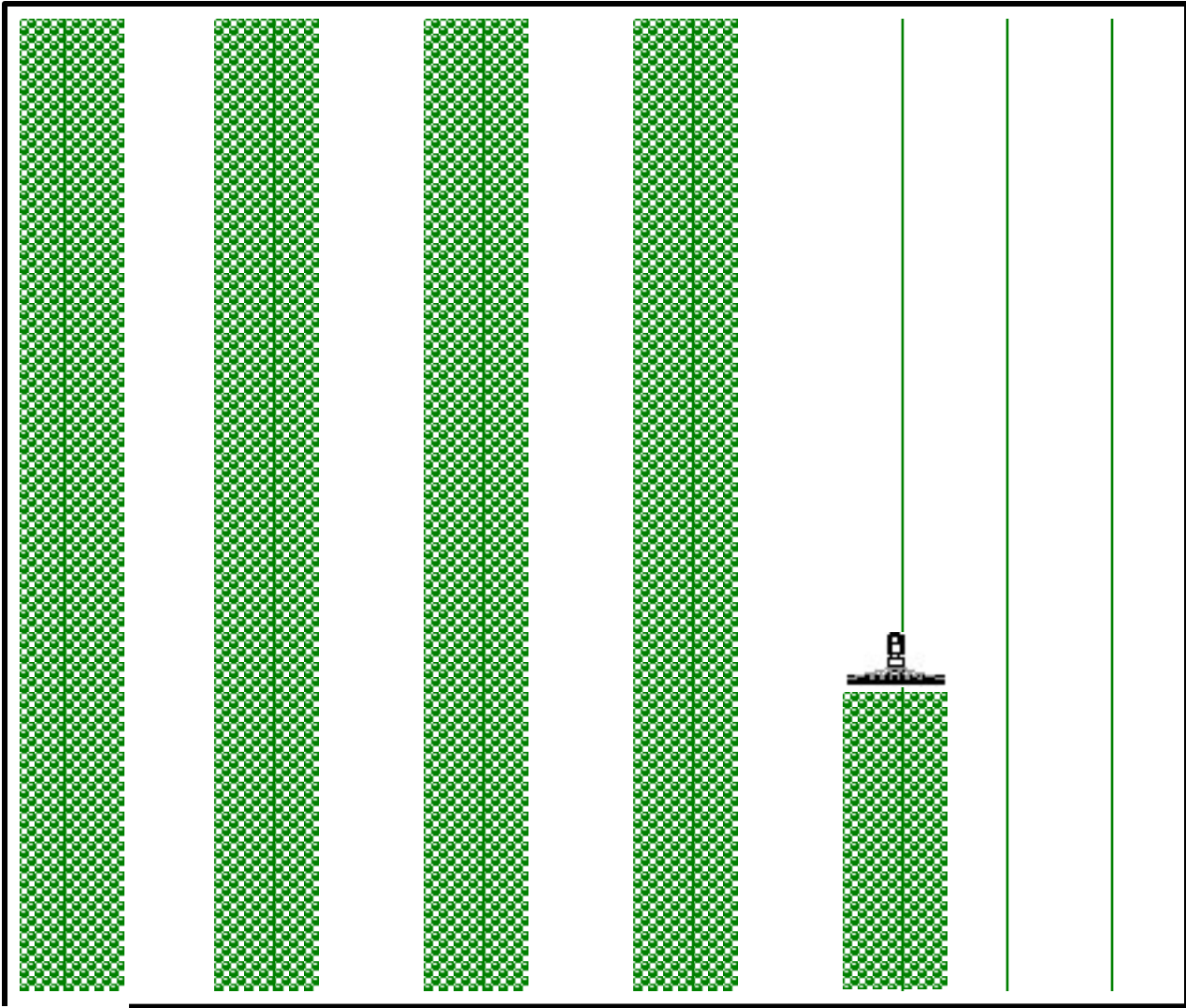
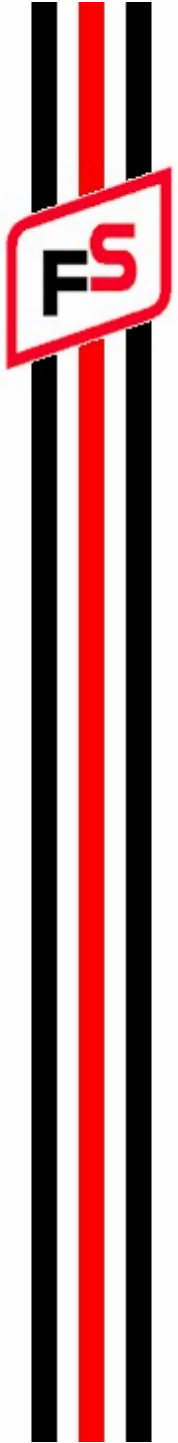


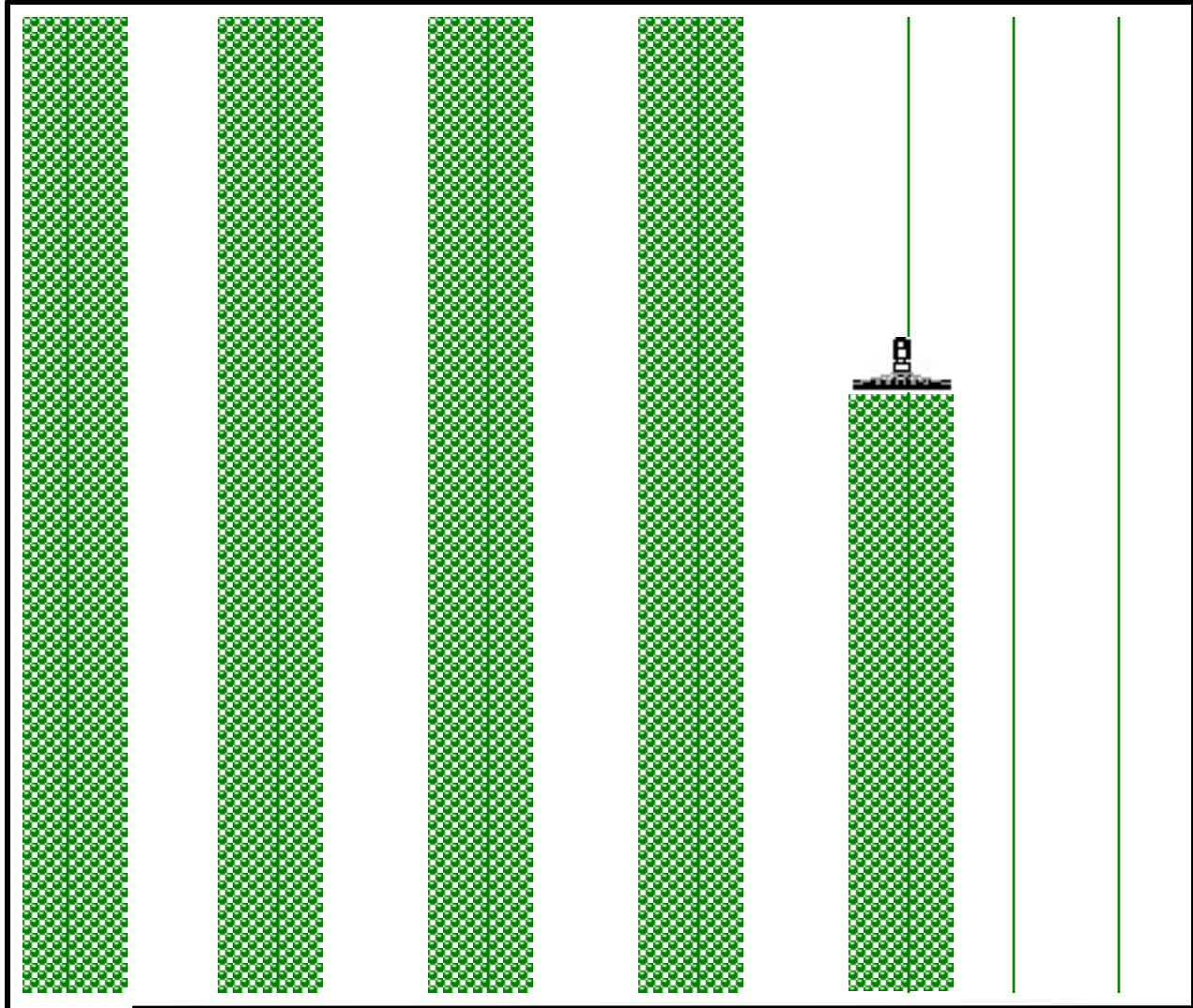
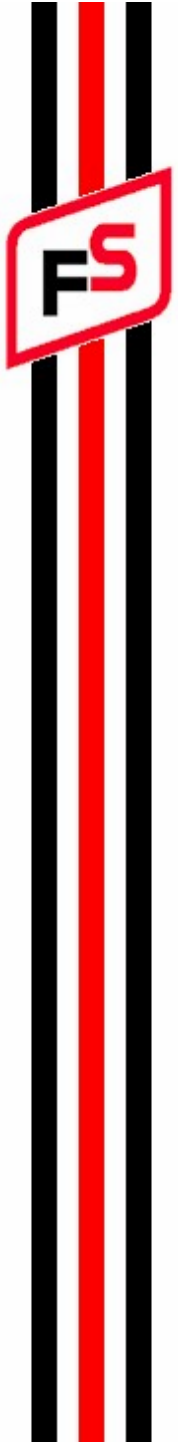


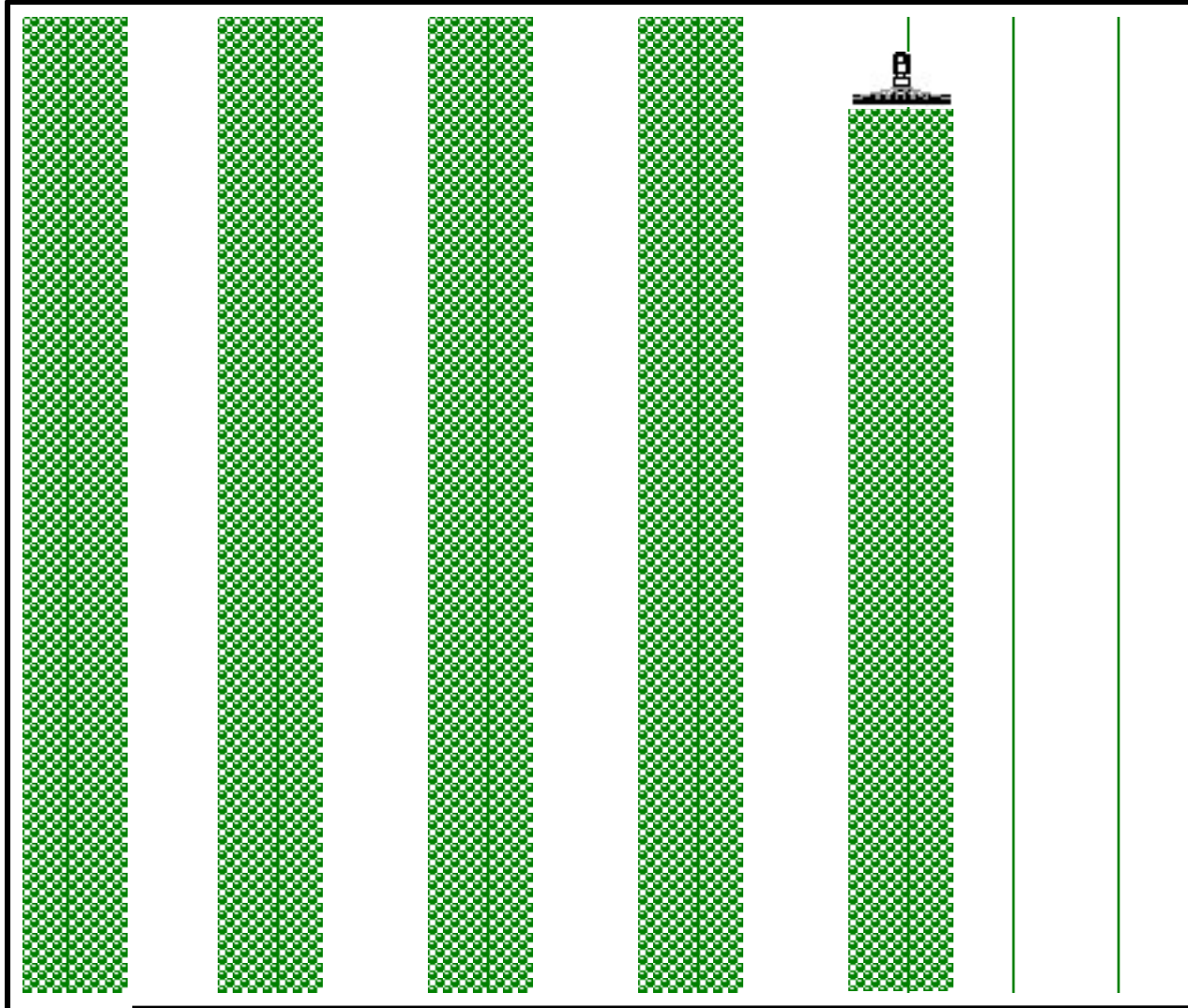
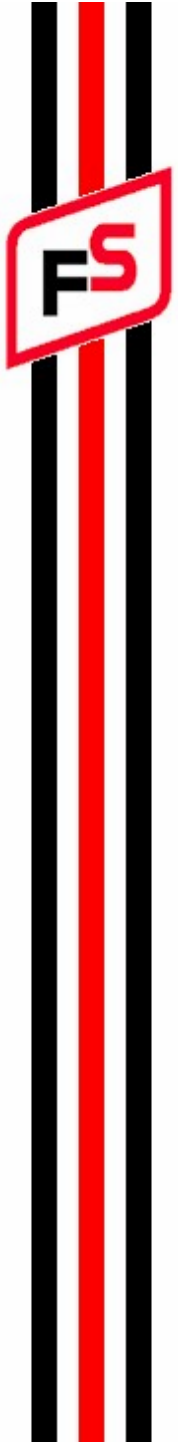


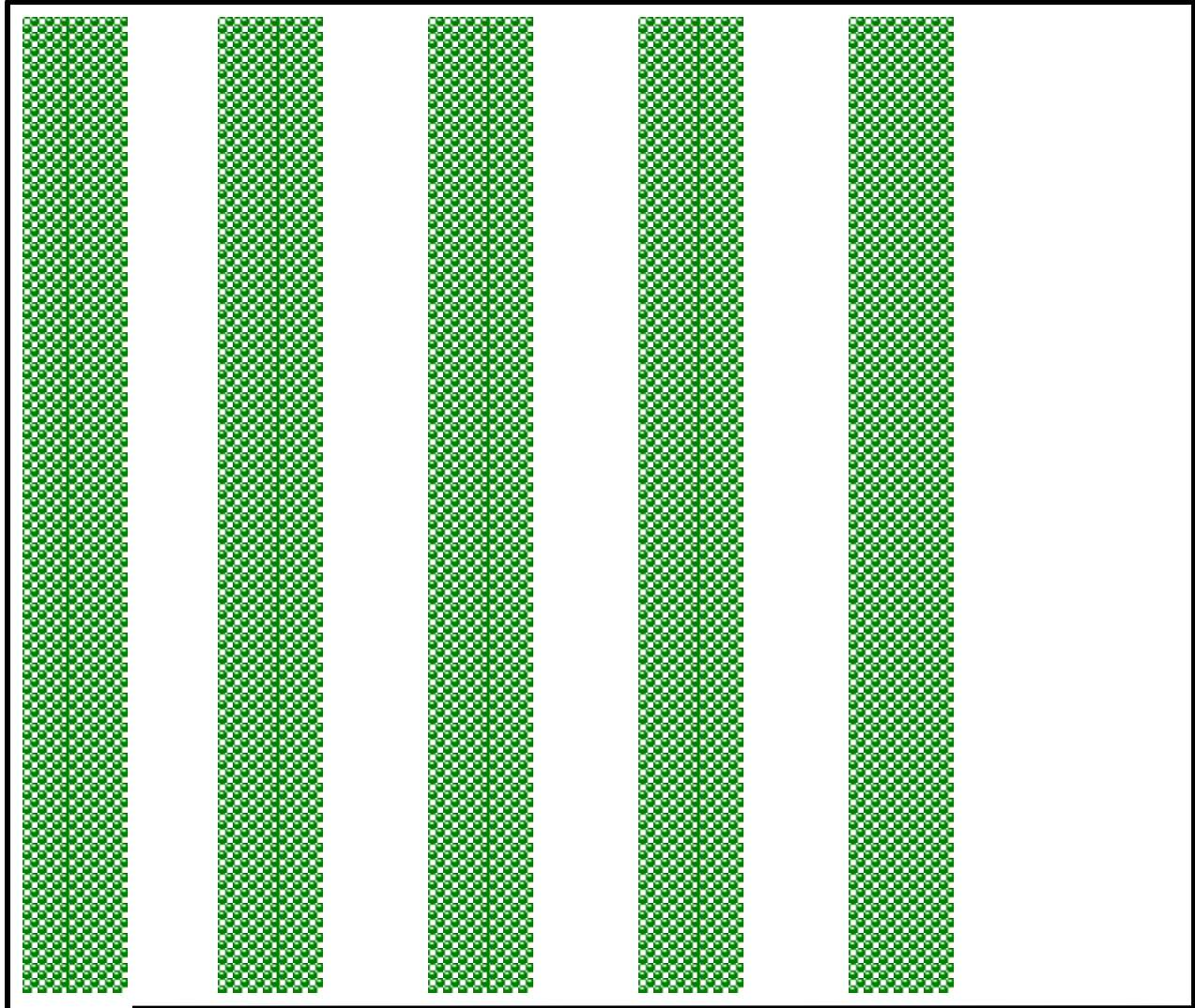
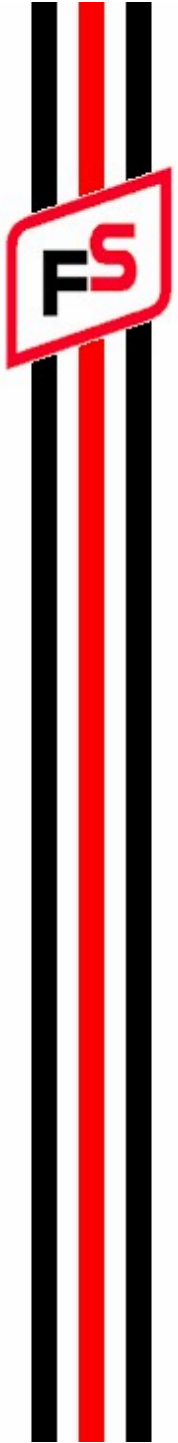


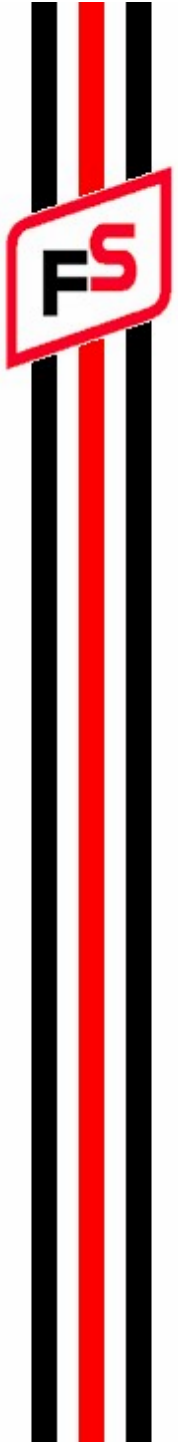
													
													





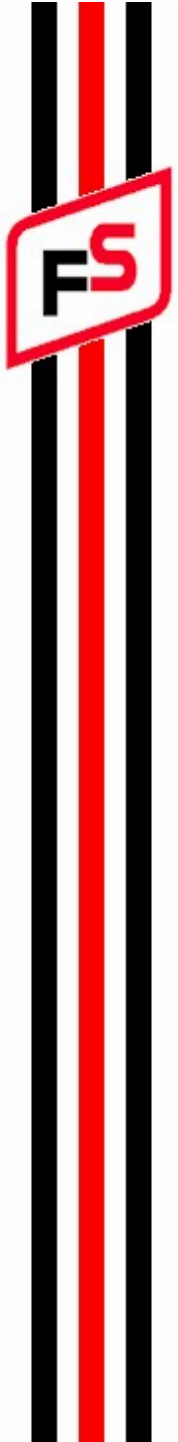






Agricultural Revolution

- The plow
- Roundup Ready Corn / Soybeans
- Auto Pilot



Change is inevitable Growth is optional

- Light bars
- Easy Steer
- RTK base stations
- Auto Pilot



