

RALLY FIELD TECHNICIAN APP – FLOWCHARTS
(Riser Logic + Complexity Logic)

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1. RISER SELECTION LOGIC – FLOWCHART

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START

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v

Technician selects BUILDING

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v

Technician selects FLOOR (e.g., 12)

|

v

System loads all RISERS for that building

|

v

Check RISER TYPE:

|||||

| Is there ONLY ONE riser? |

|||||

||

YES NO

||

v v

SINGLE RISER PATH: MULTI-RISER PATH:

Display:

- Riser name
- Nearest above (same riser)
- Nearest below (same riser)

Then END. Determine RISER SIDES:

- EAST side?
- WEST side?

|

v

For EACH side:

- Find nearest riser ABOVE
- Find nearest riser BELOW

|

v

Display BOTH results:

EAST SIDE:

- ↑ nearest_above
- ↓ nearest_below

WEST SIDE:

- ↑ nearest_above
- ↓ nearest_below

|

v

END

2. COMPLEXITY CALCULATION – FLOWCHART

START

|

v

Read "techs_per_install_raw"

Examples:

"1"

"2"

"60%1 and 40%2"

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v

Is it a SIMPLE value (1 or 2)?

||

YES NO (percentage mix)

||

v v

Simple Logic: Percentage Logic:

If = 1:

complexity = 30%

required_techs = 1

If = 2:

complexity = 80%

required_techs = 2

For mixed data:

Extract p1% and p2%

Formula:

complexity = $(p1 * 30 + p2 * 80) / 100$

Required techs:

If $p2 \geq 50 \rightarrow 2$ techs

Else $\rightarrow 1$ tech

|

v

Check ADMIN OVERRIDE?

|

|--- YES \rightarrow Use ADMIN values

|

|--- NO \rightarrow Use calculated values

|

v

END (return complexity_score + required_techs)

END OF FLOWCHART DOCUMENT