

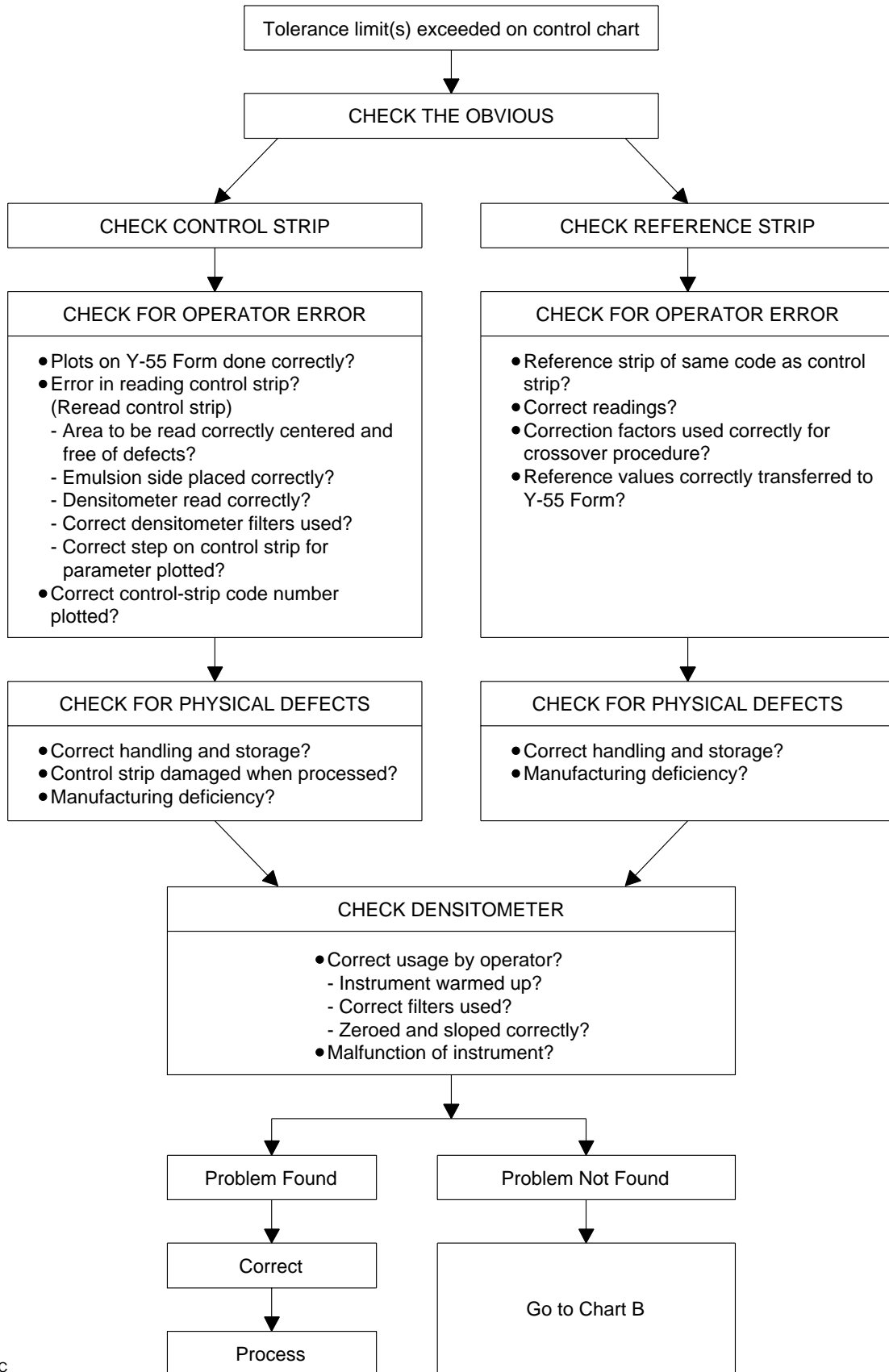
14 DIAGNOSTIC CHARTS

The diagrams in this section provide you with a step-by-step approach to diagnosing processing problems. Summary charts show which detailed chart to consult for your problem. The charts give probable causes and suggest corrective procedures. Remedies for some processing problems are described in section 3, "Process Monitoring," and section 5, "Corrective Actions for Processing Solutions."

Chart	Example
A	Preliminary
B	Summary—Control-Chart Plots
C	Control-Chart Plots—High D-max
D	Control-Chart Plots—Low D-max
E	Control-Chart Plots—Red or Green Color Balance
F	Control-Chart Plots—Blue Color Balance
G	Control-Chart Plots—Cyan, Magenta, or Yellow Color Balance
H	Control-Chart Plots—Green, Yellow, Yellow/Red, or Yellow/Green Color Balance
I	Control-Chart Plots—Low Activity—One or More Density Values Plot High
J	Control-Chart Plots—Low Activity—One or More Density Values Plot High
K	Control-Chart Plots—High Activity—One or More Density Values Plot Low
L	Control-Chart Plots—High D-min
M	Summary—Visual Appearance
N	Visual Appearance—First Developer and Reversal Bath
O	Visual Appearance—Color Developer
P	Visual Appearance—Pre-Bleach, Bleach, Fixer, and Final Rinse
Q	Visual Appearance—Film—Surface Dirt
R	Visual Appearance—Film—Muddy or Grainy
S	Visual Appearance—Film—Scum
T	Visual Appearance—Film—Scratches
U	Visual Appearance—Film—Emulsion Marks
V	Visual Appearance—Film—Density Marks
W	Visual Appearance—Film—Dark Images
X	Visual Appearance—Film—Light Images
Y	Visual Appearance—Film—High or Low Contrast

Chart A

PLOT PROBLEM



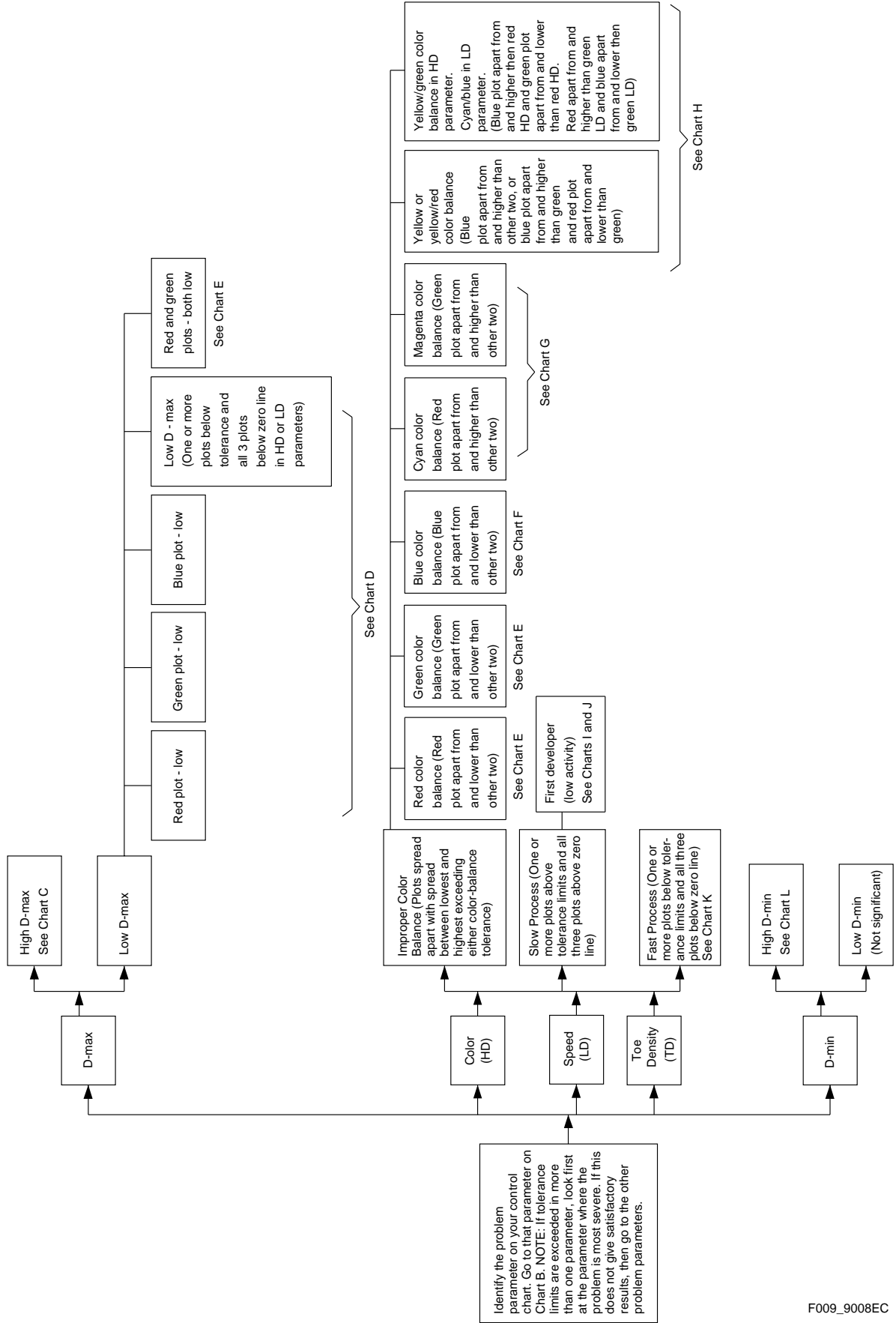
F009_9007EC

**Chart B
Summary-
Control-Chart Plots**

**MATCH
PROBLEM
PARAMETER**

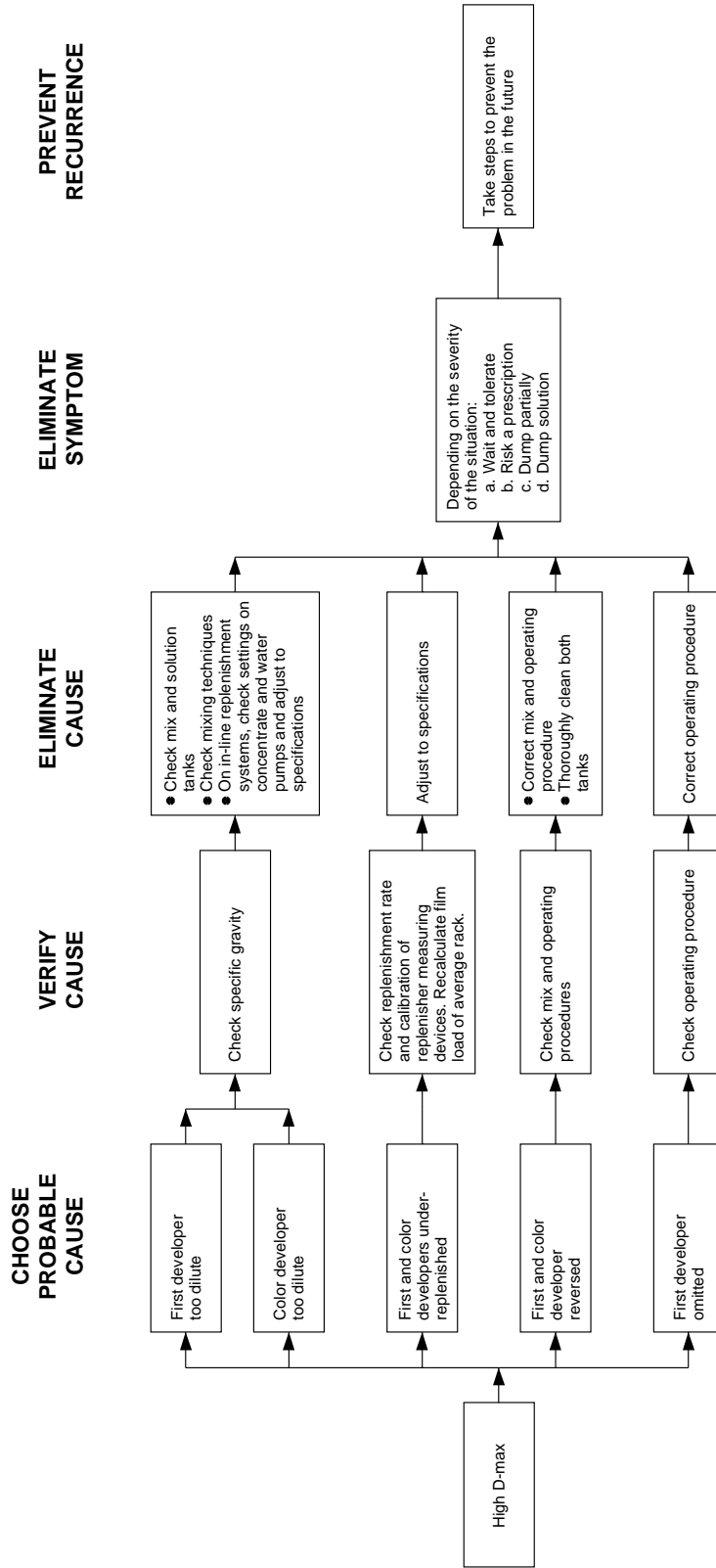
**DESCRIBE
PLOT
PROBLEM**

**FURTHER IDENTIFY
AND GO TO
CHART SPECIFIED**



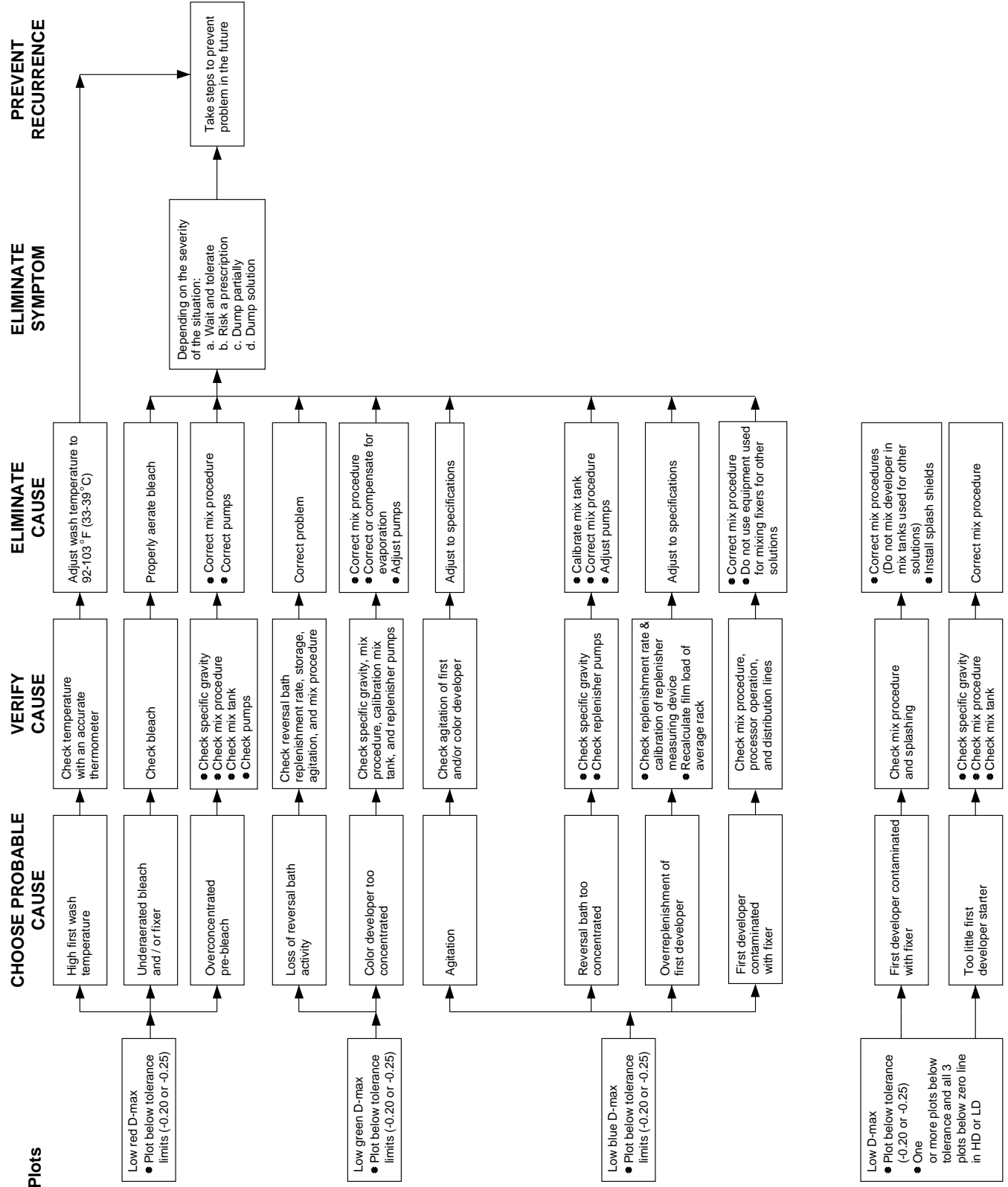
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Chart C
Control-Chart Plots
High D-max



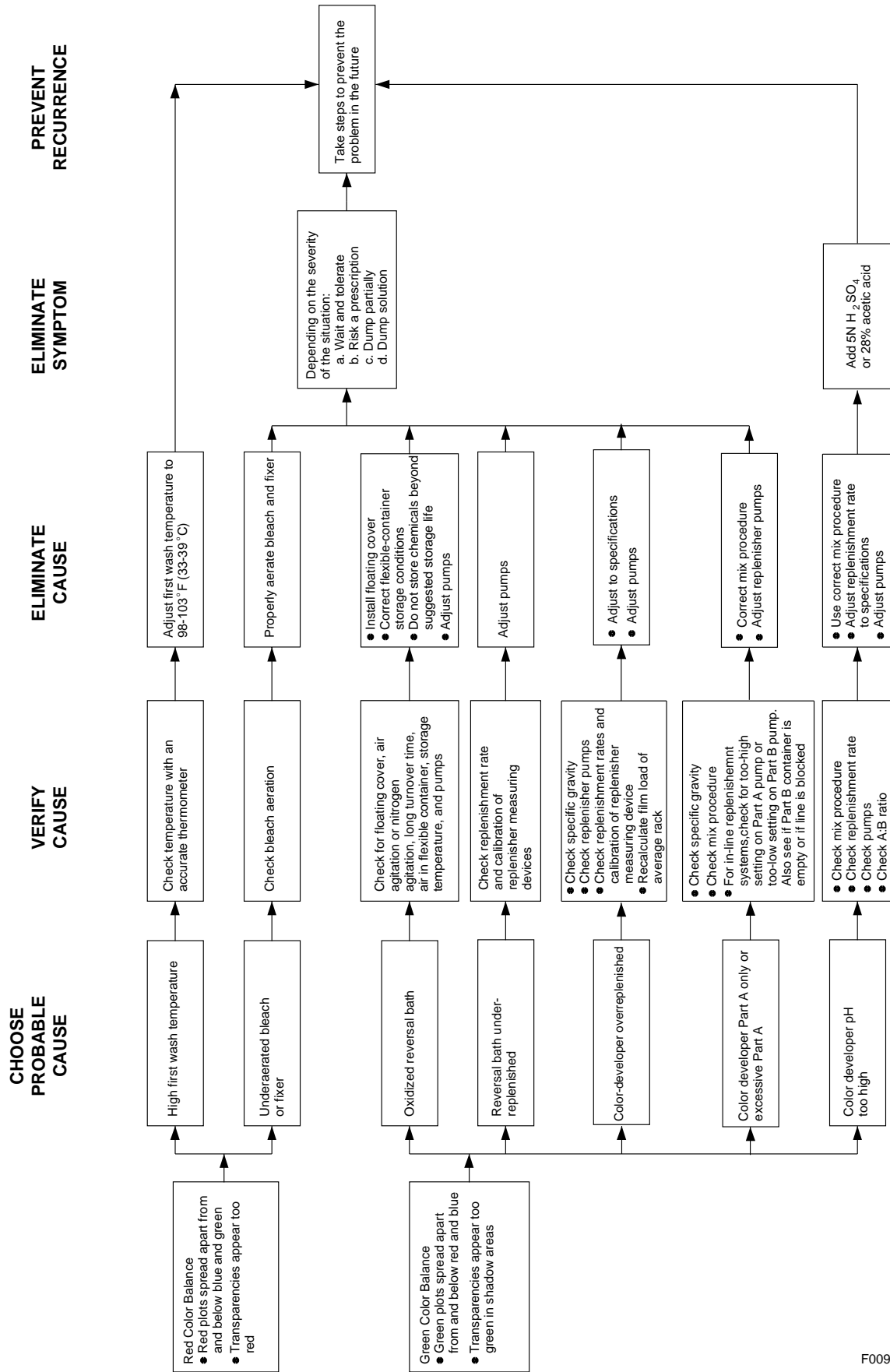
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**Chart D
Control-Chart Plots
Low D-max**



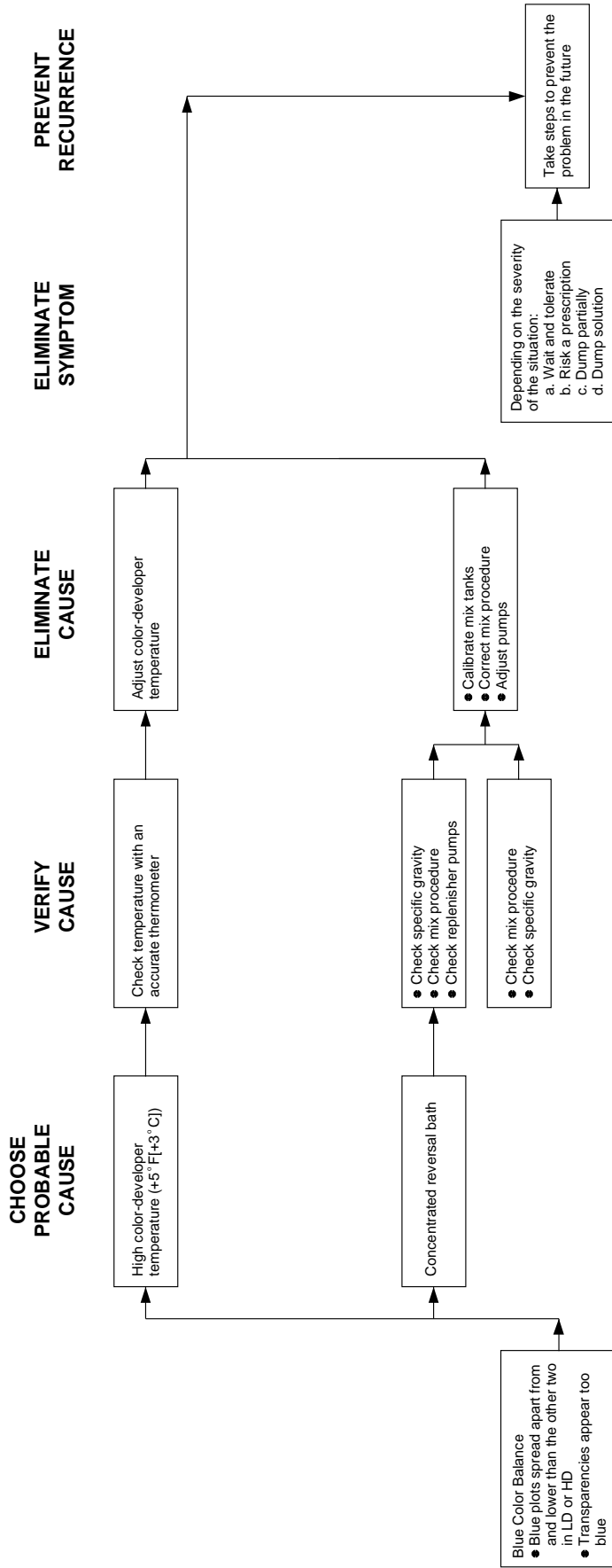
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Chart E
Control-Chart Plots
Red or Green Color Balance



F009_9012EC

Chart F
Control-Chart Plots
Blue Color Balance



F009_9013EC

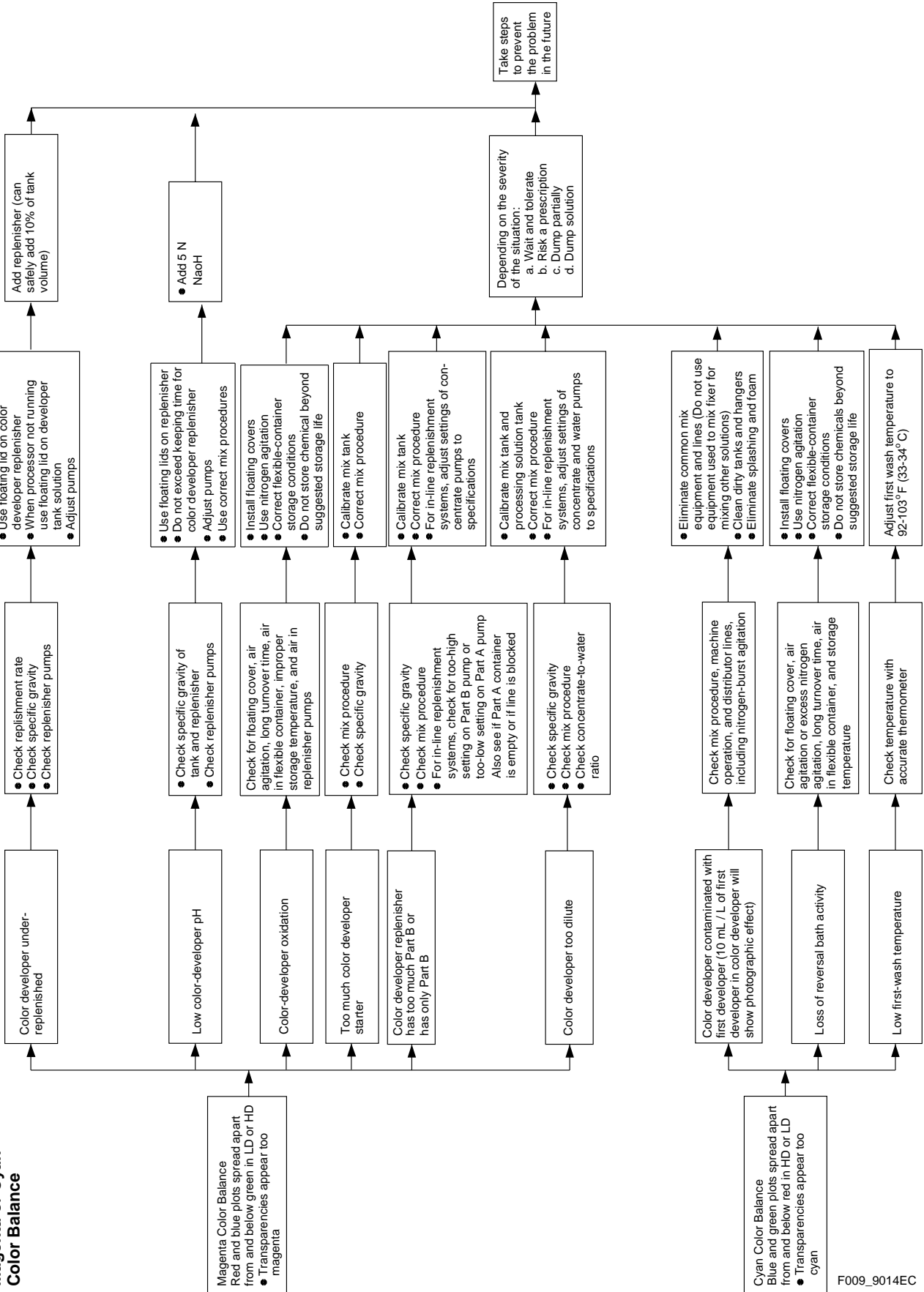
CHOOSE CAUSE

VERIFY CAUSE

ELIMINATE CAUSE

ELIMINATE SYMPTOM

PREVENT RECURRENCE



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**Chart H
Control-Chart Plots
Yellow Color Balance**

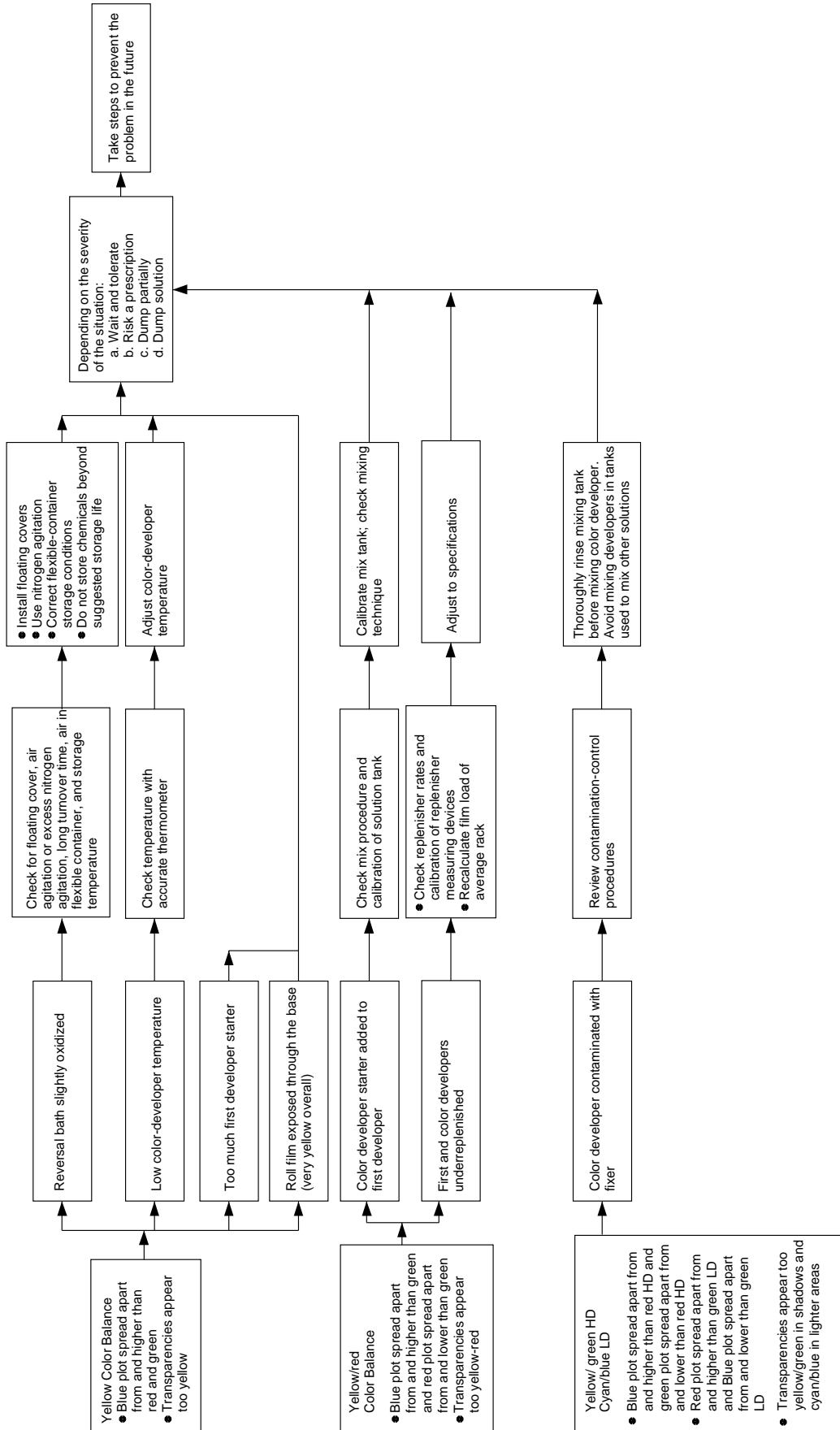
**PREVENT
RECURRENCE**

**ELIMINATE
SYMPTOM**

**ELIMINATE
CAUSE**

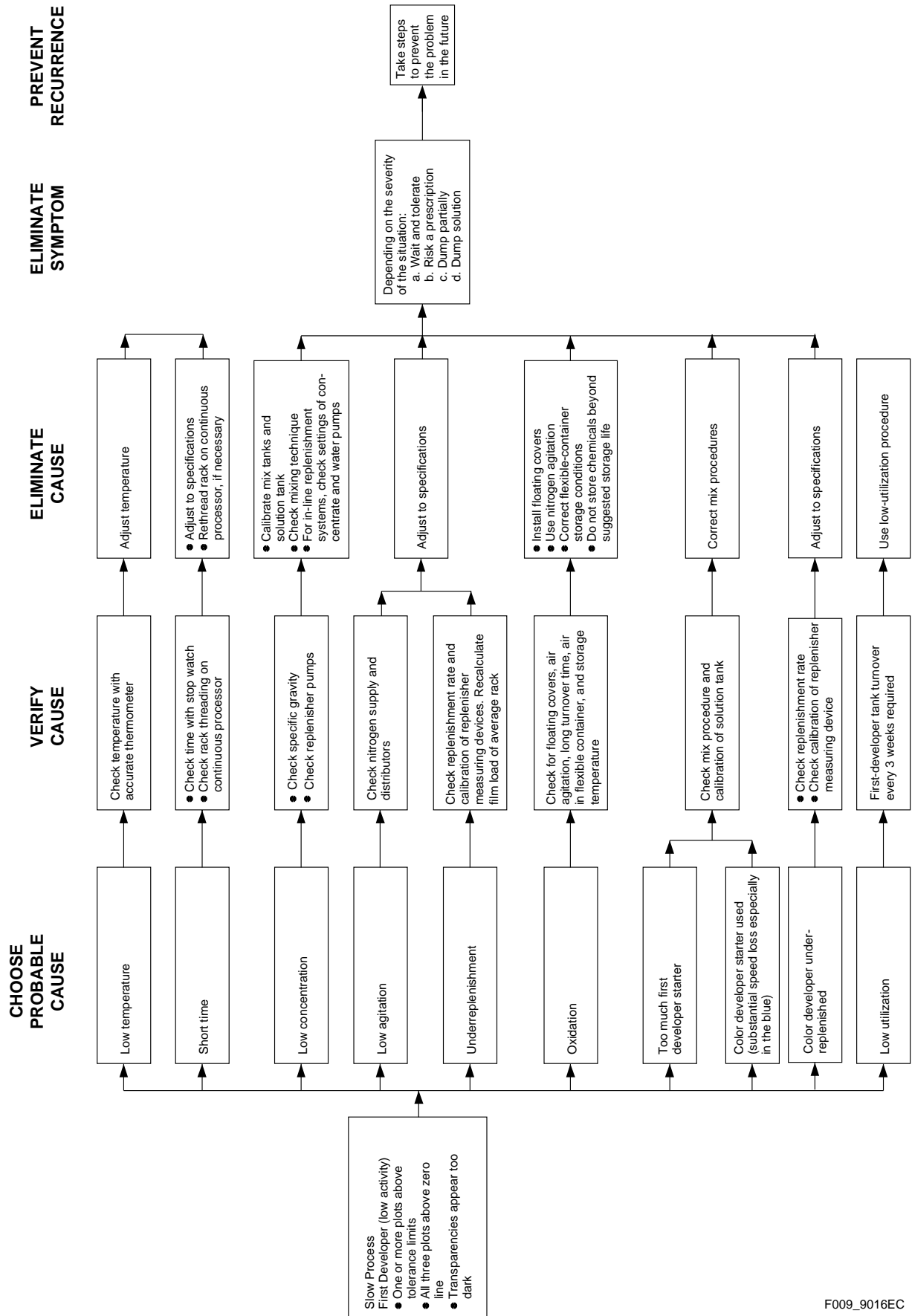
**VERIFY
CAUSE**

**CHOOSE
PROBABLE
CAUSE**



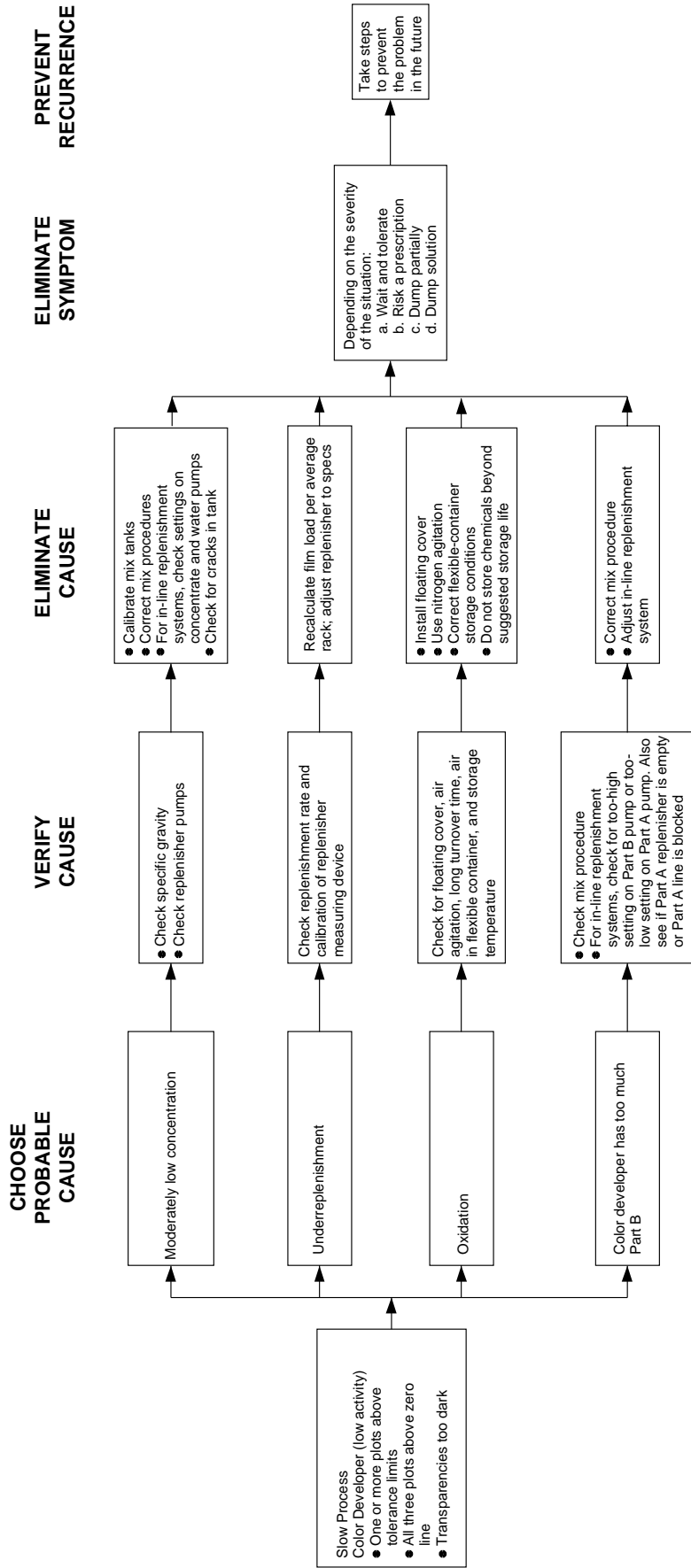
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Chart I
Control-Chart Plots
Low Activity—One or More Density Values Plot High



F009_9016EC

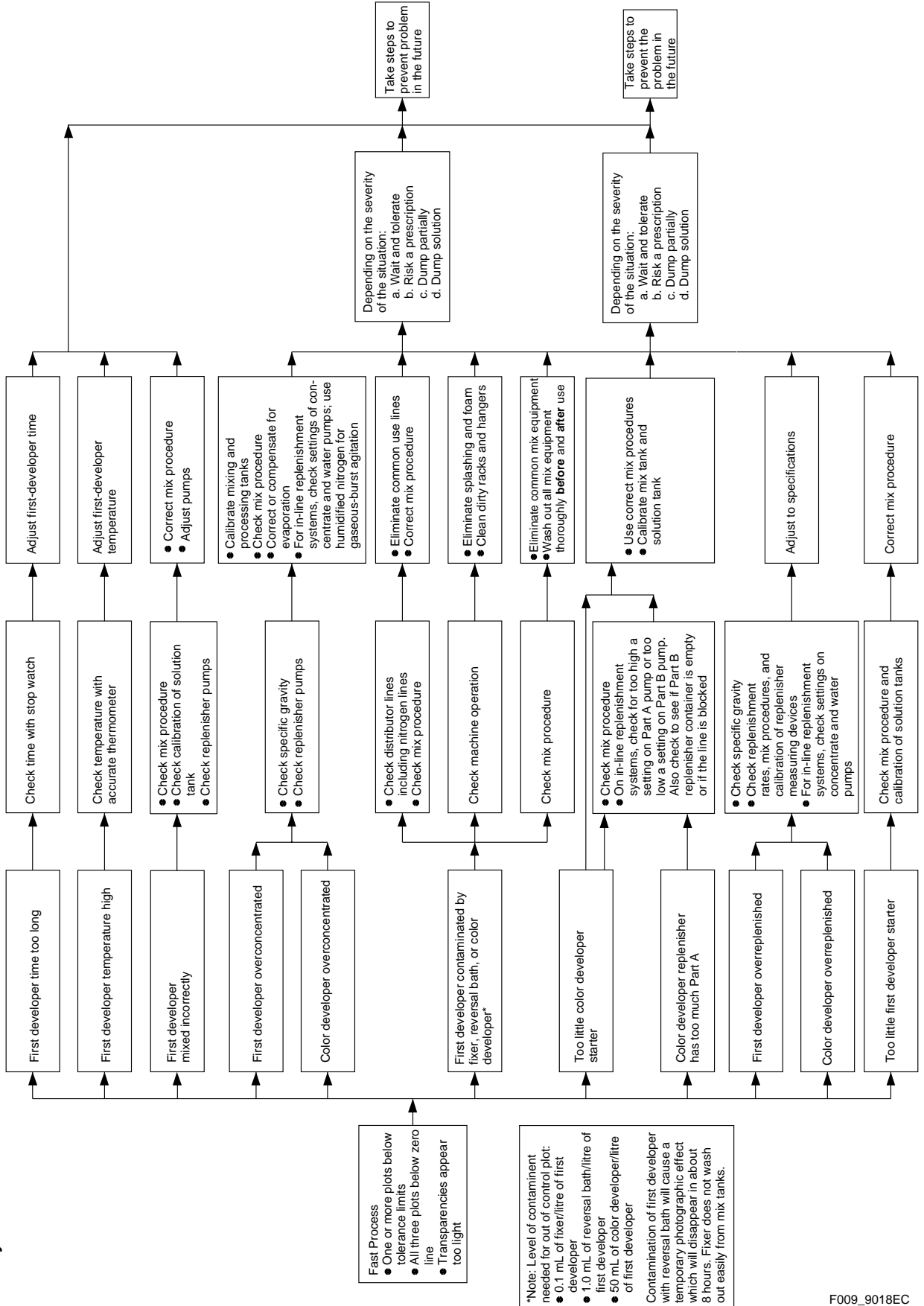
Chart J
Control-Chart Plots
Low Activity—One or More Density Values Plot High



F009_9017EC

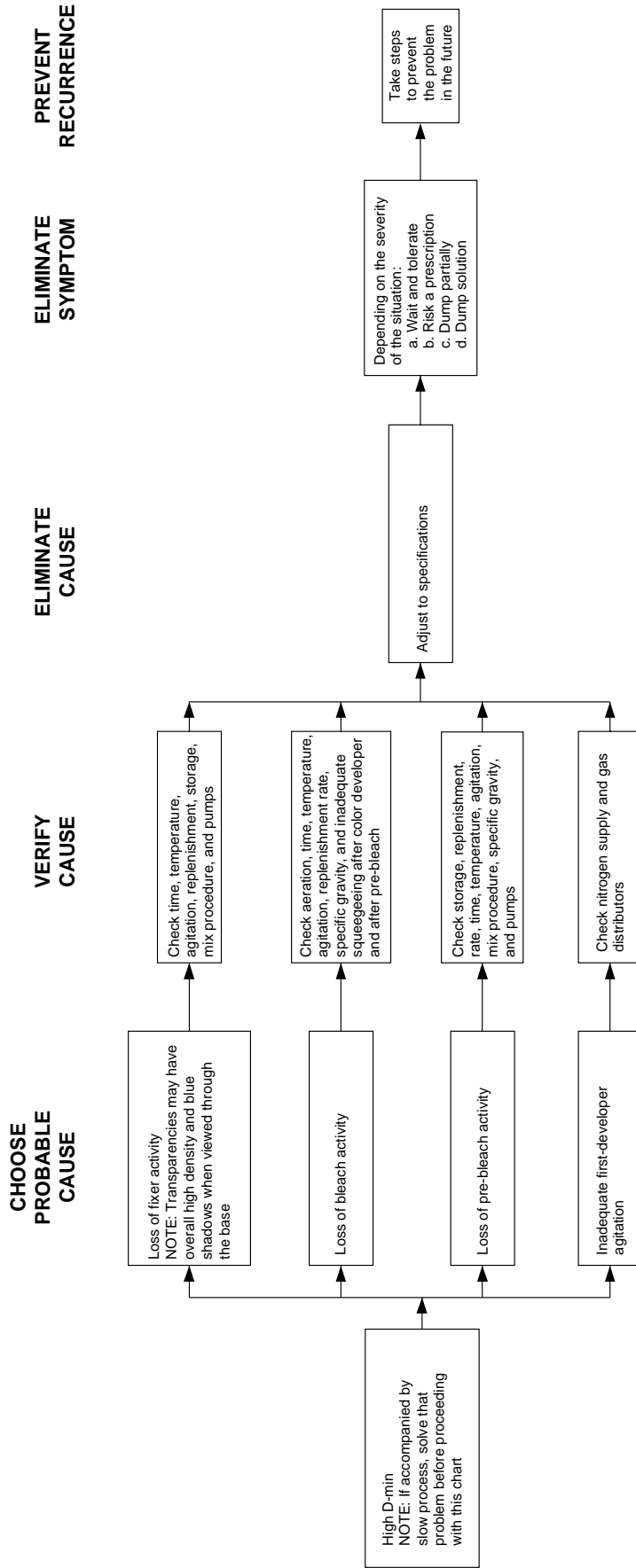
Chart K
Control-Chart Plots
High Activity – One or More
Density Values Plot Low

PREVENT RECURRENCE
ELIMINATE SYMPTOM
ELIMINATE CAUSE
VERIFY CAUSE
CHOOSE PROBABLE CAUSE



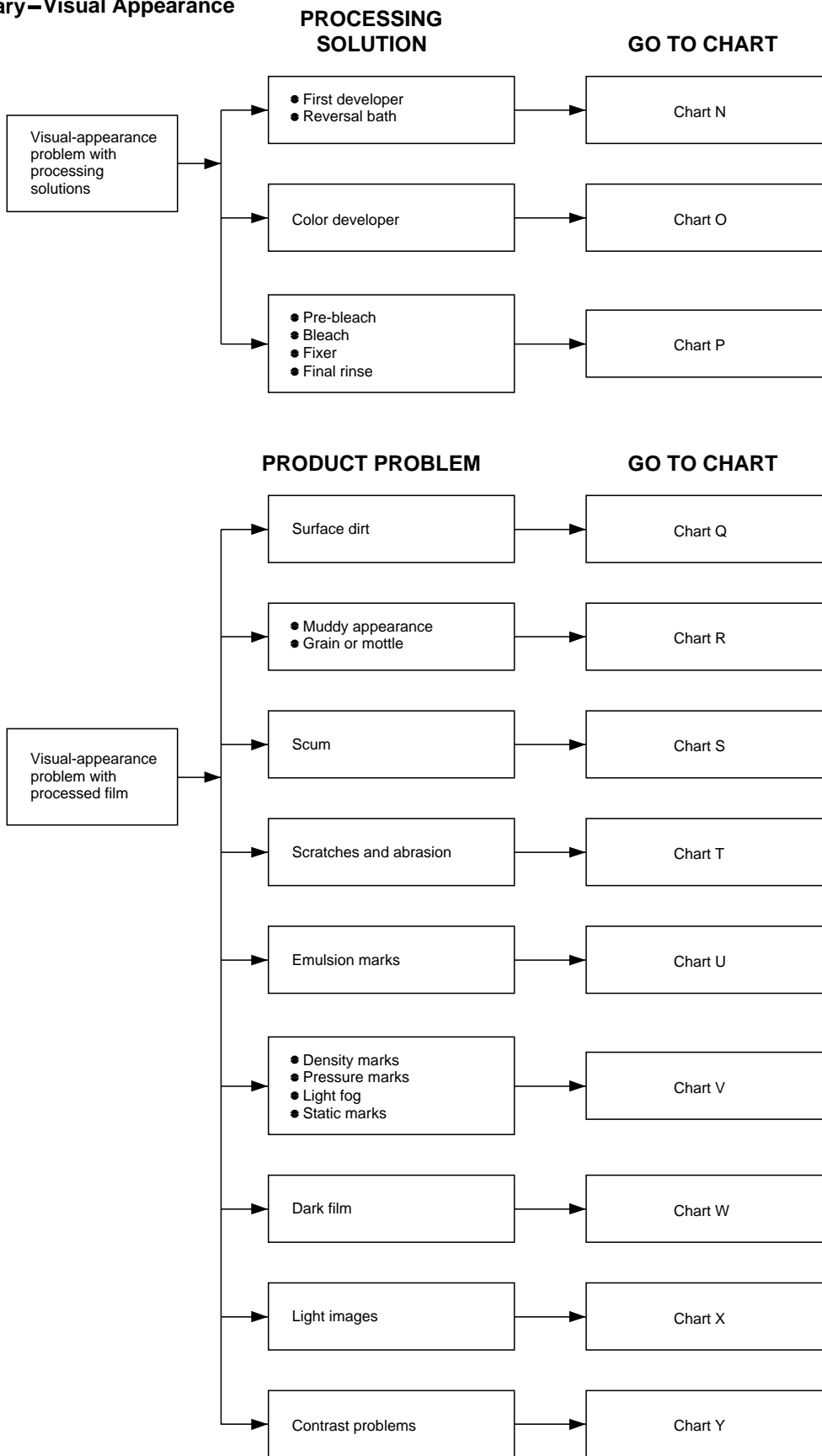
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Chart L
Control-Chart Plots
High D-min



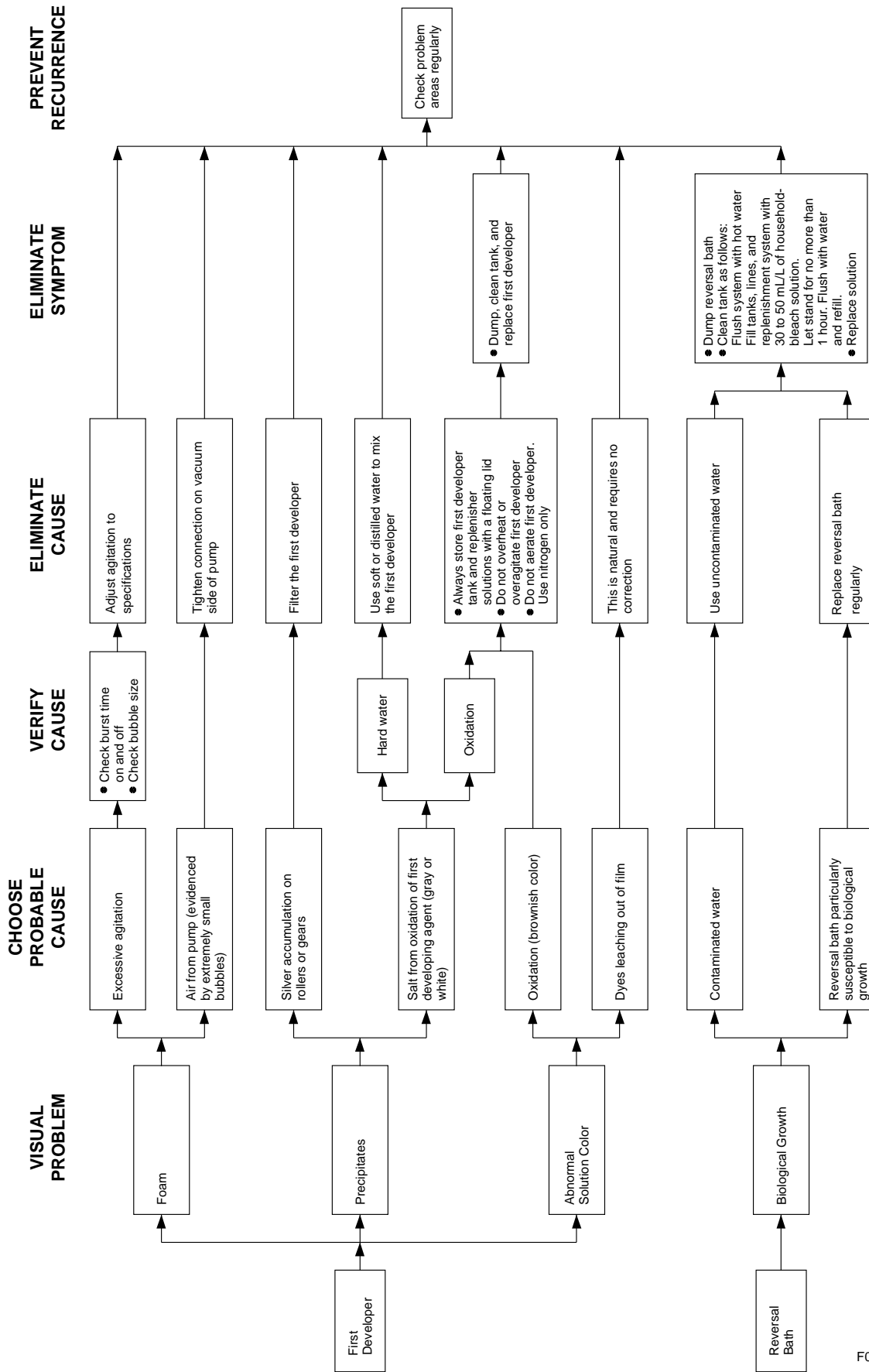
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Chart M
Summary—Visual Appearance



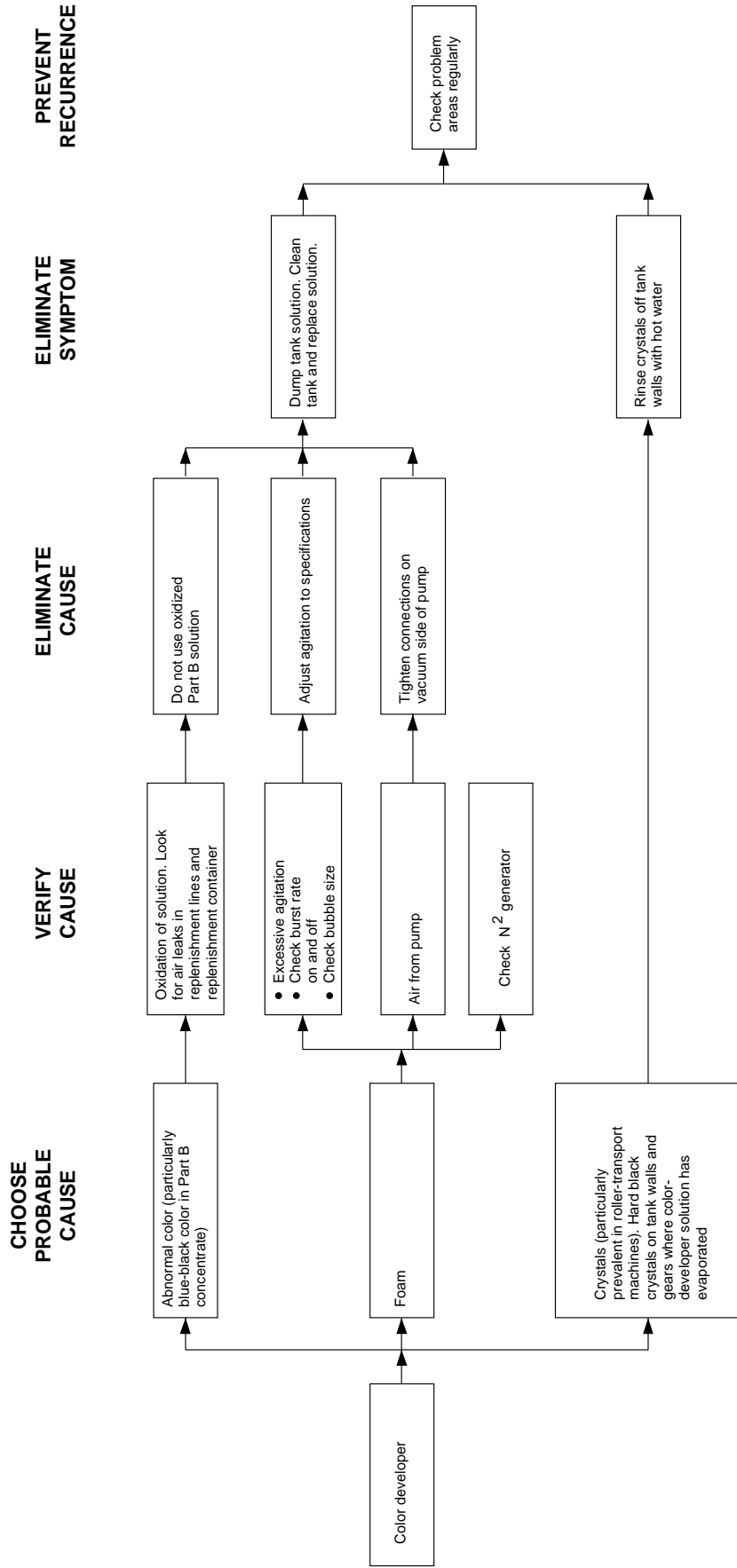
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Chart N
Visual Appearance
First Developer and Reversal Bath



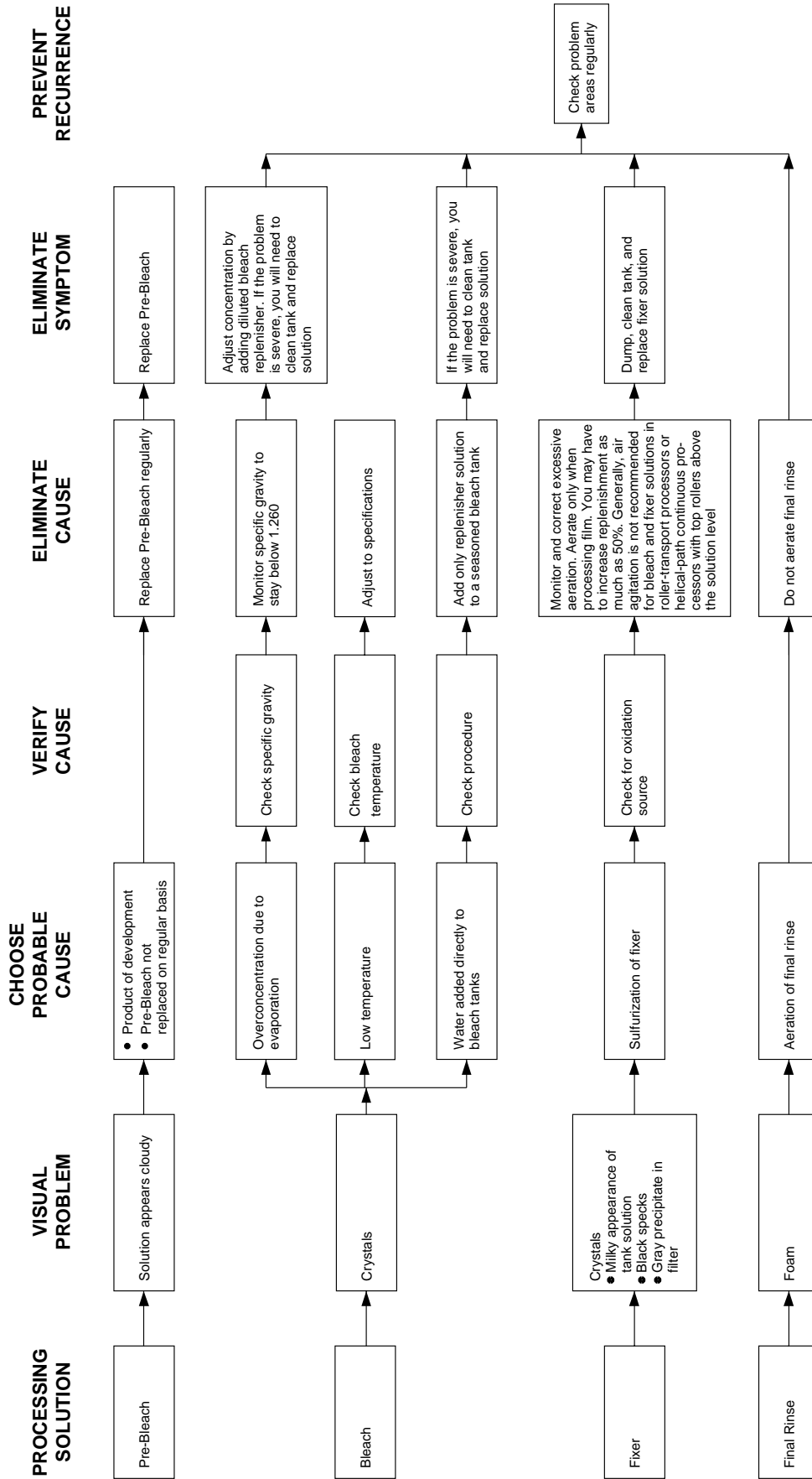
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Chart O
Visual Appearance
Color Developer



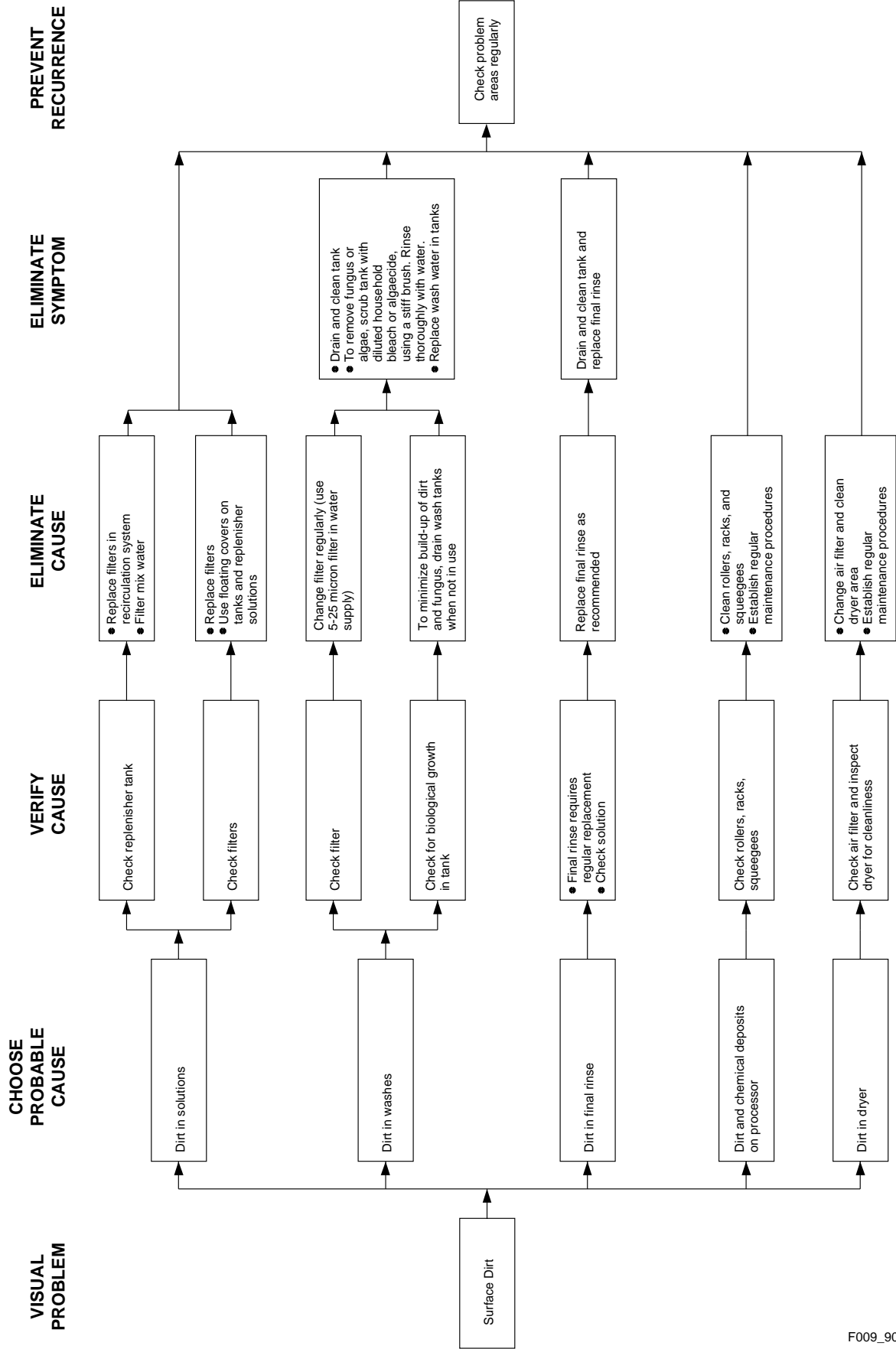
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Chart P
Visual Appearance
Pre-Bleach, Bleach, Fixer, and Final Rinse



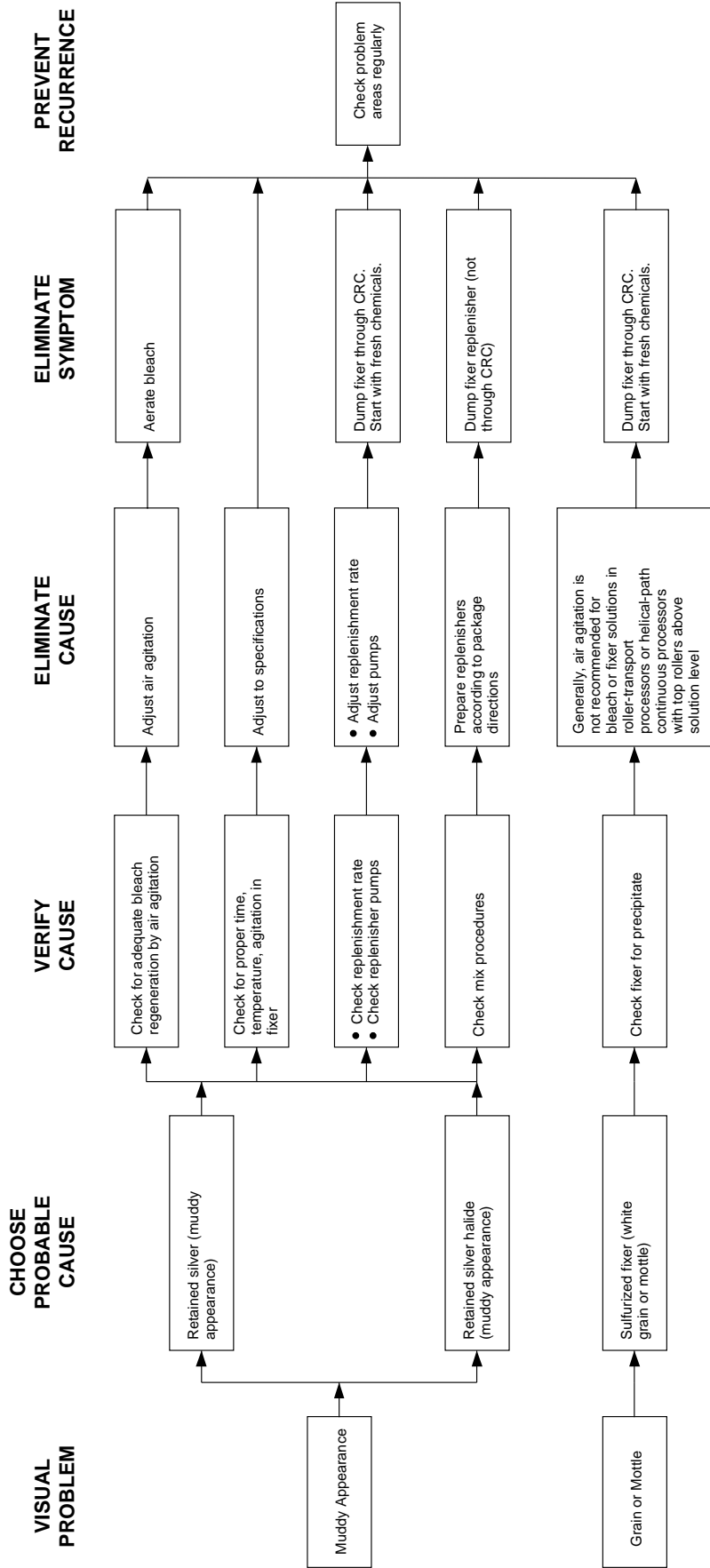
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Chart Q
Visual Appearance
Film-Surface Dirt



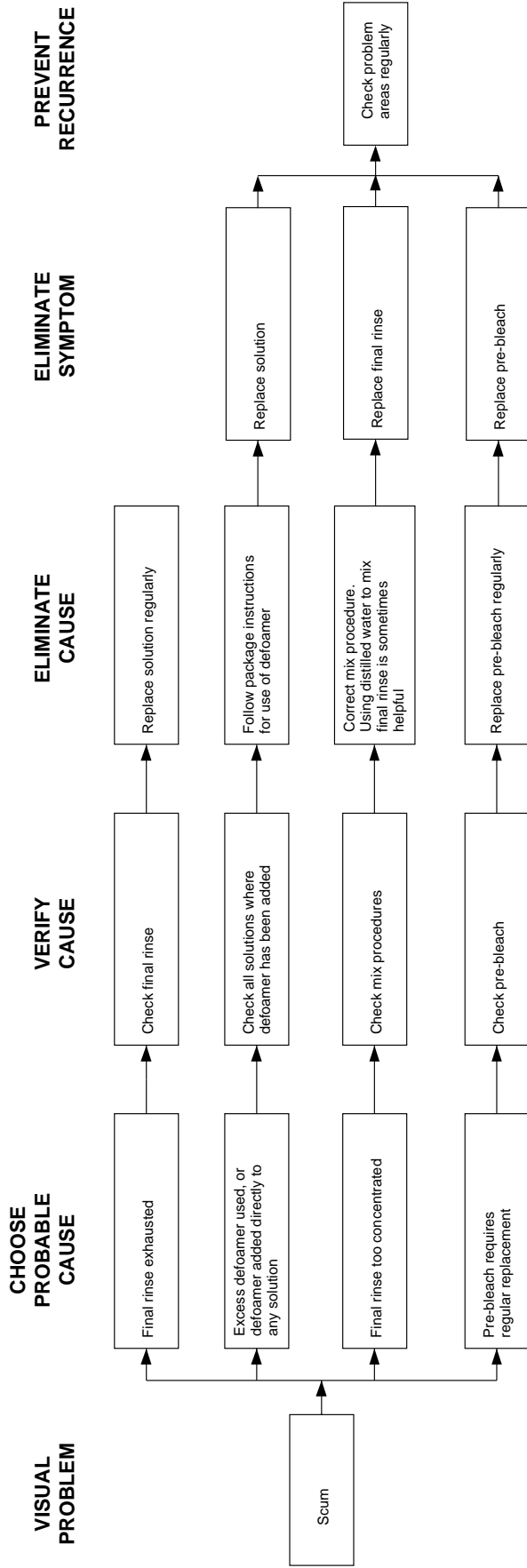
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Chart R
Visual Appearance
Film – Muddy or Grainy



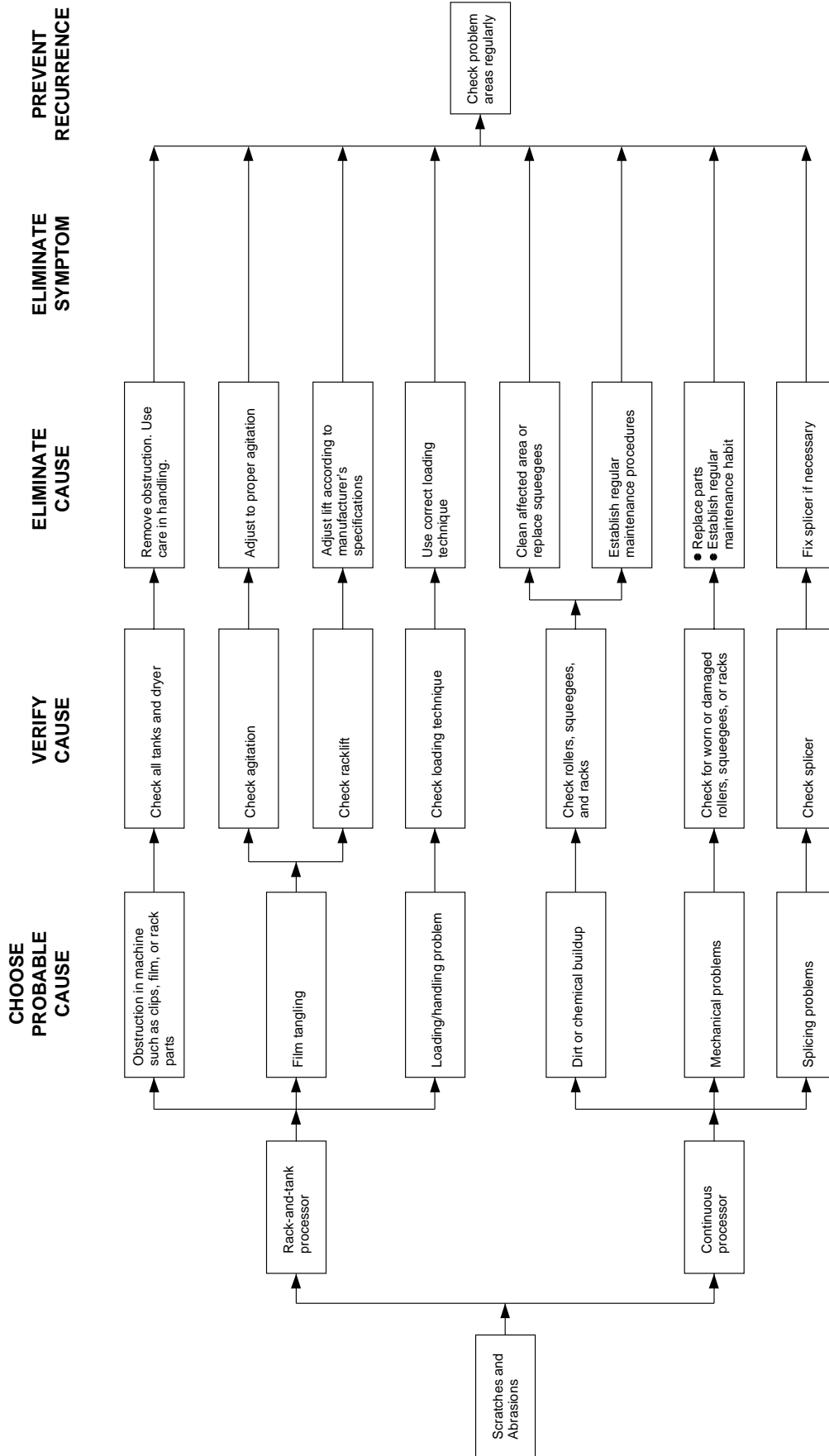
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Chart S
Visual Appearance
Film — Scum



F009_9026EC

Chart T
Visual Appearance
Film—Scratches



F009_9027EC

Chart U
Visual Appearance
Film—Emulsion Marks

PREVENT
RECURRENCE

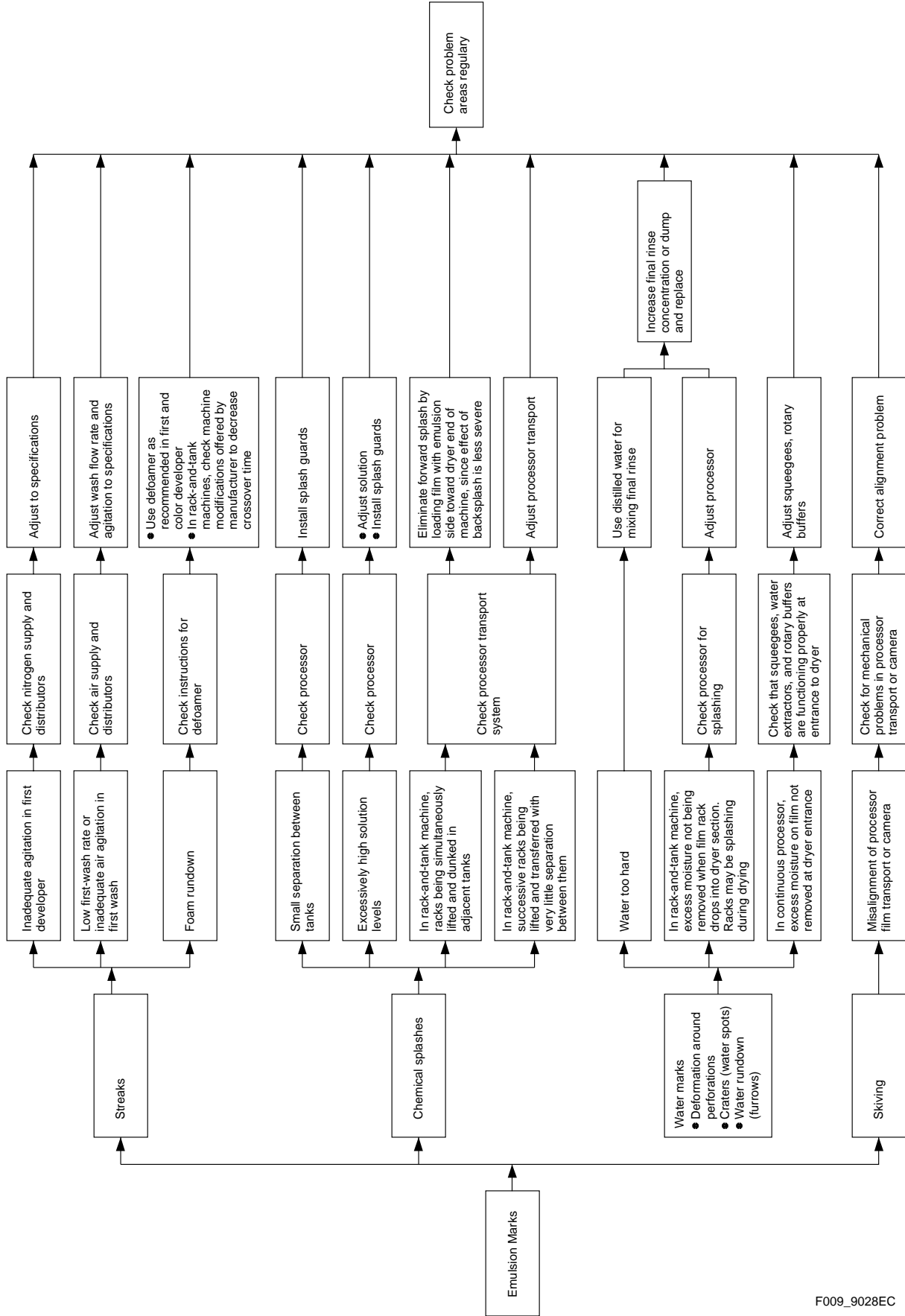
ELIMINATE
SYMPTOM

ELIMINATE
CAUSE

VERIFY
CAUSE

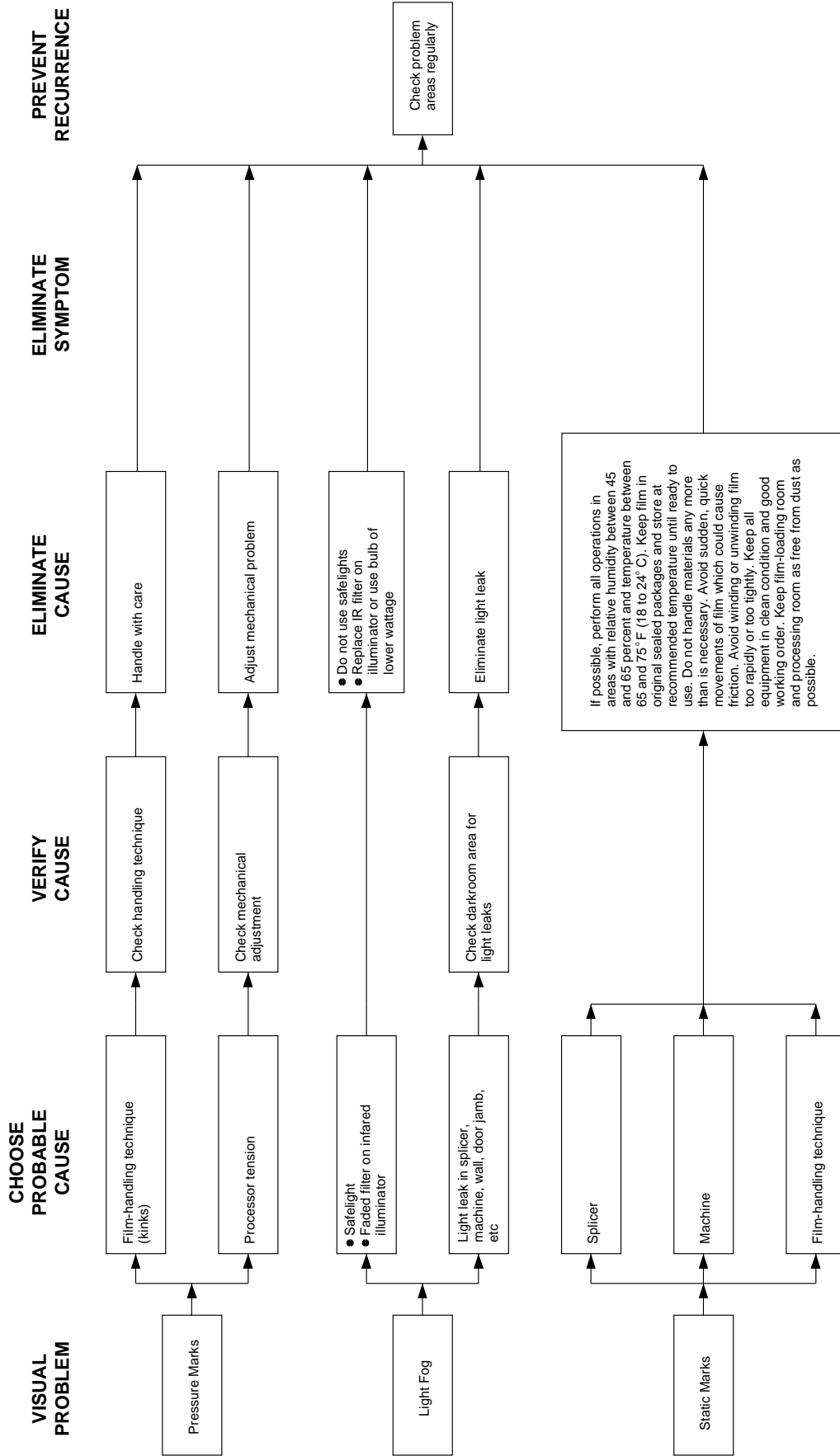
CHOOSE
PROBABLE
CAUSE

VISUAL
PROBLEM



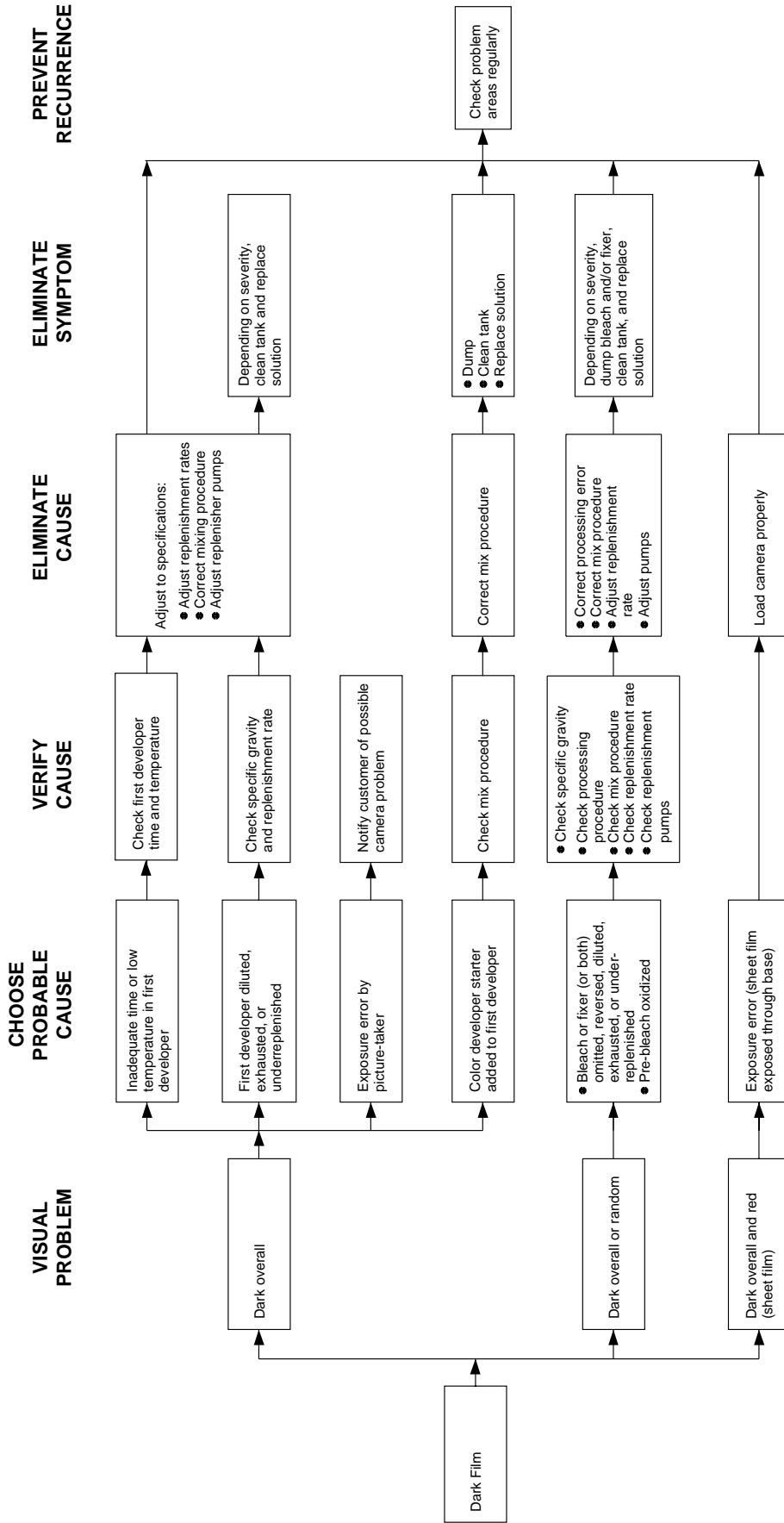
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Chart V
Visual Appearance
Film – Density Marks



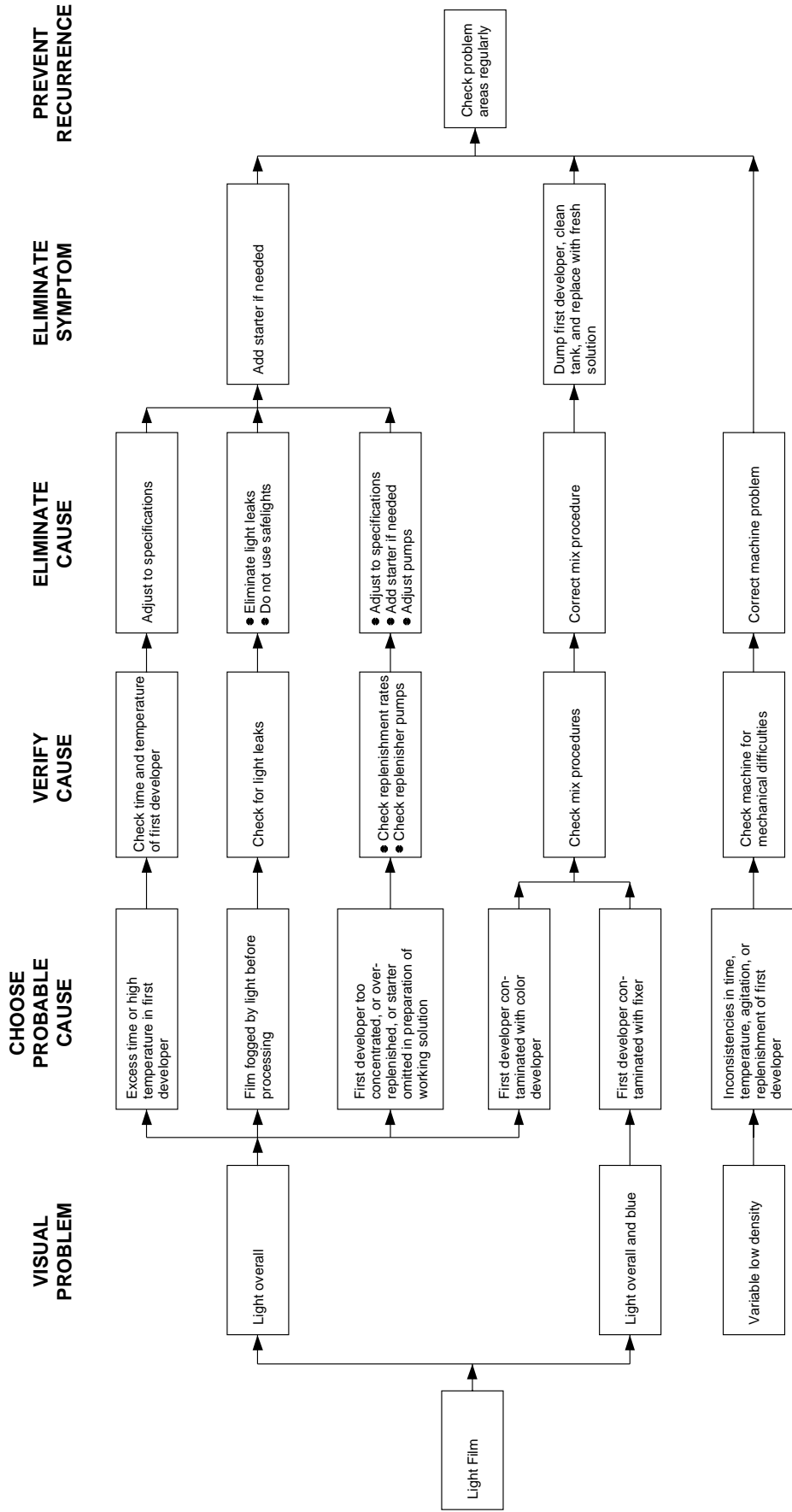
F009_9029EC

Chart W
Visual Appearance
Film—Dark Images



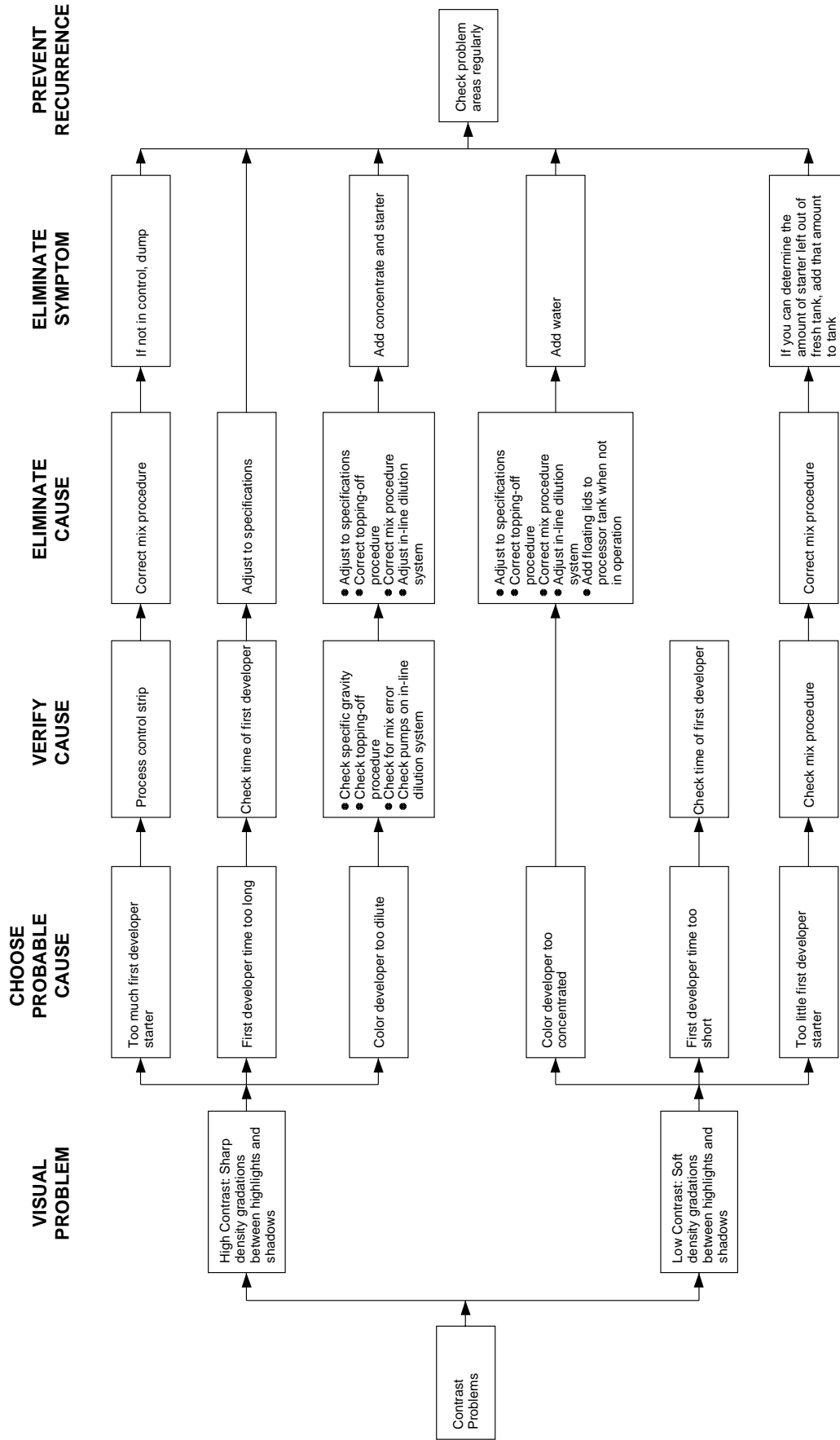
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Chart X
Visual Appearance
Film—Light Images



F009_9031EC

Chart Y
Visual Appearance
Film — High or Low Contrast



F009_9032EC