FLISR Response Report

Permanent Fault detected on FLISR Feeder 1 at 2022-04-29 | 5:43:37.201 PM

Summary

Feeder: FLISR Feeder 1

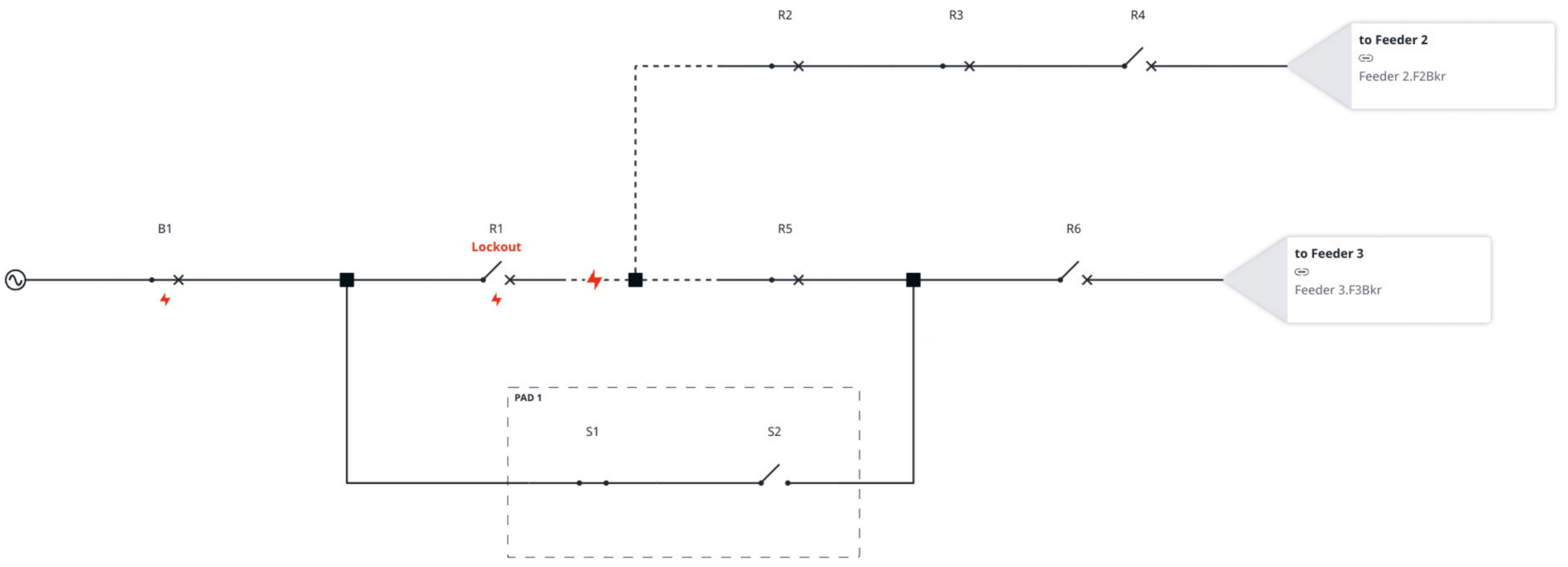**Event Start:** 2022-04-29 | 5:43:37.201 PM

Event End: 2022-04-29 | 5:43:46.115 PM
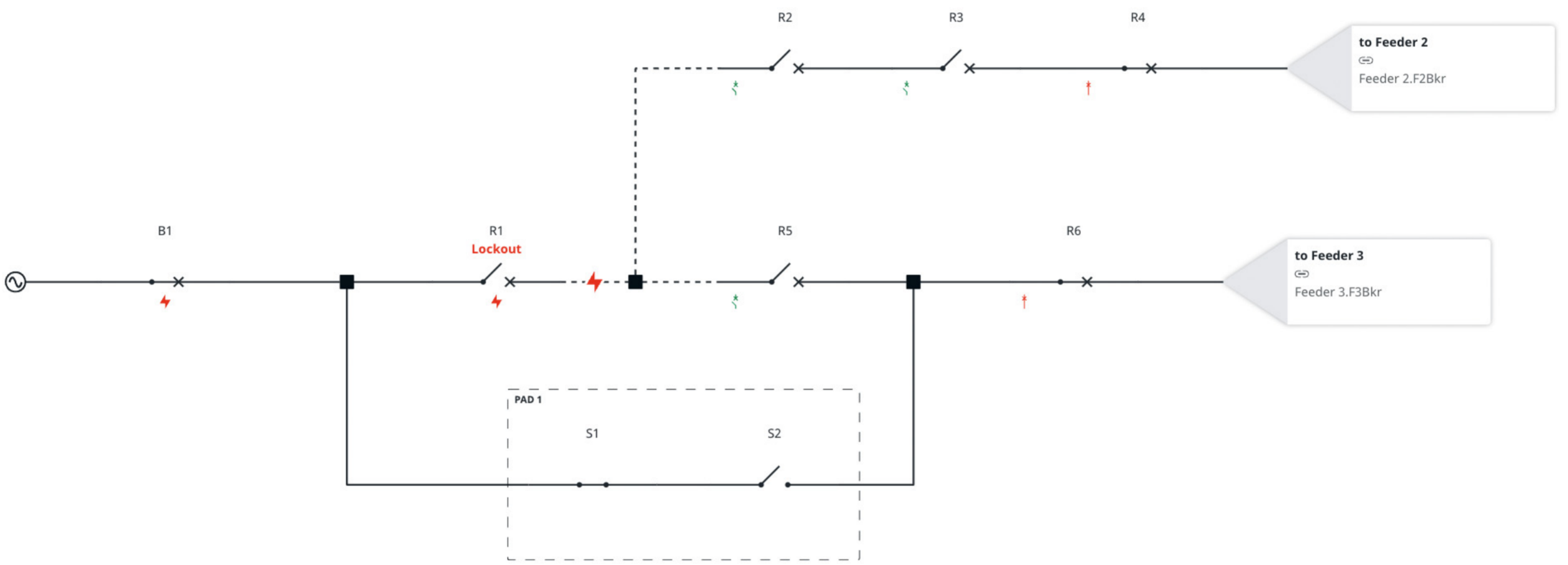
Event Type: Fault

Lockout Time (From Device): 2022-04-29 | 5:43:37.091 PM

Duration: 8.914 seconds

Feeder State Before Restoration

Feeder State After Restoration

Device Details

Device	Previous Load (A/B/C)	Status Before Restoration	Status After Restoration
B1	115/115/115 amps	Closed	Closed
R1	80/80/80 amps	Open	Open
R2	20/20/20 amps	Closed	Open
R3	10/10/10 amps	Closed	Open
R4	0/0/0 amps	Open	Closed
R5	30/30/30 amps	Closed	Open
R6	0/0/0 amps	Open	Closed
S1	10/10/10 amps	Closed	Closed
S2	0/0/0 amps	Open	Open

Post-Event Loading

Initial Load Lost: 80 amps

Fault Zone Load Lost: 30 amps

Restored Load: 40 amps

Unrestored Load: 10 amps

Isolation Plan

Control Commands (Executed in Parallel)

Open S2	Device was already open
Open R2	Completed at 5:43:43.189 PM
Open R5	Completed at 5:43:43.205 PM
Open R1	Device was already open
Open R3	Completed at 5:43:43.126 PM

Restoration Plan

Control Sequence 1

Close B1	Device was already closed
Close S1	Device was already closed

Control Sequence 2

Send close request to to Feeder 3	Completed at 5:43:43.210 PM
Close R6	Completed at 5:43:46.111 PM

Control Sequence 3

Send close request to to Feeder 2	Completed at 5:43:43.210 PM
Close R4	Completed at 5:43:46.113 PM

Optimization Order

1. Minimize unrestored load

2. Minimize switching operations

3. Maximize margin

Diagnostics

⚠ The zone bounded by [R3, R2] could not be restored. The neighbor(s) [to Feeder 2] did not have enough margin to restore this zone.