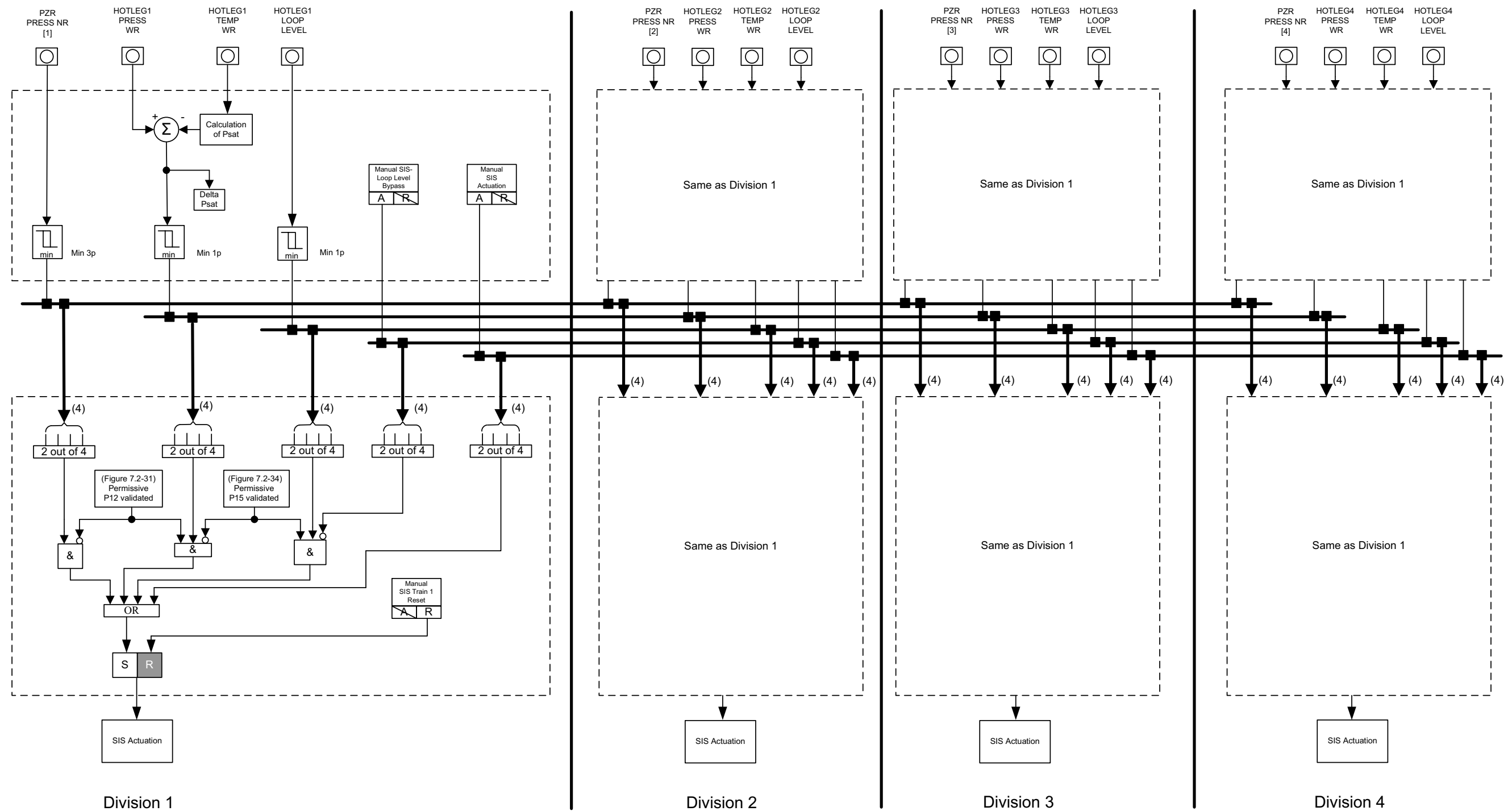
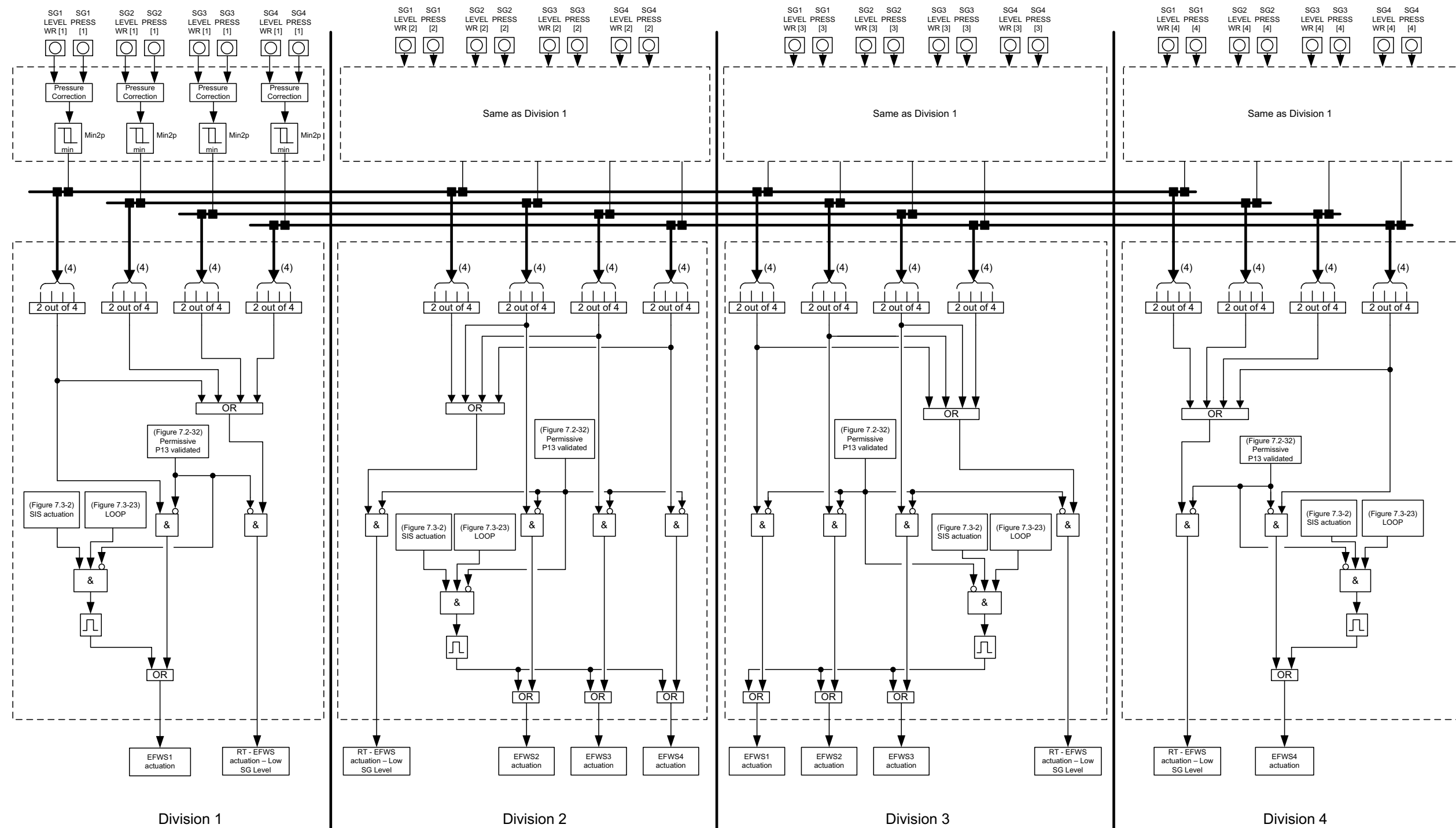


Figure 7.3-2—SIS Actuation



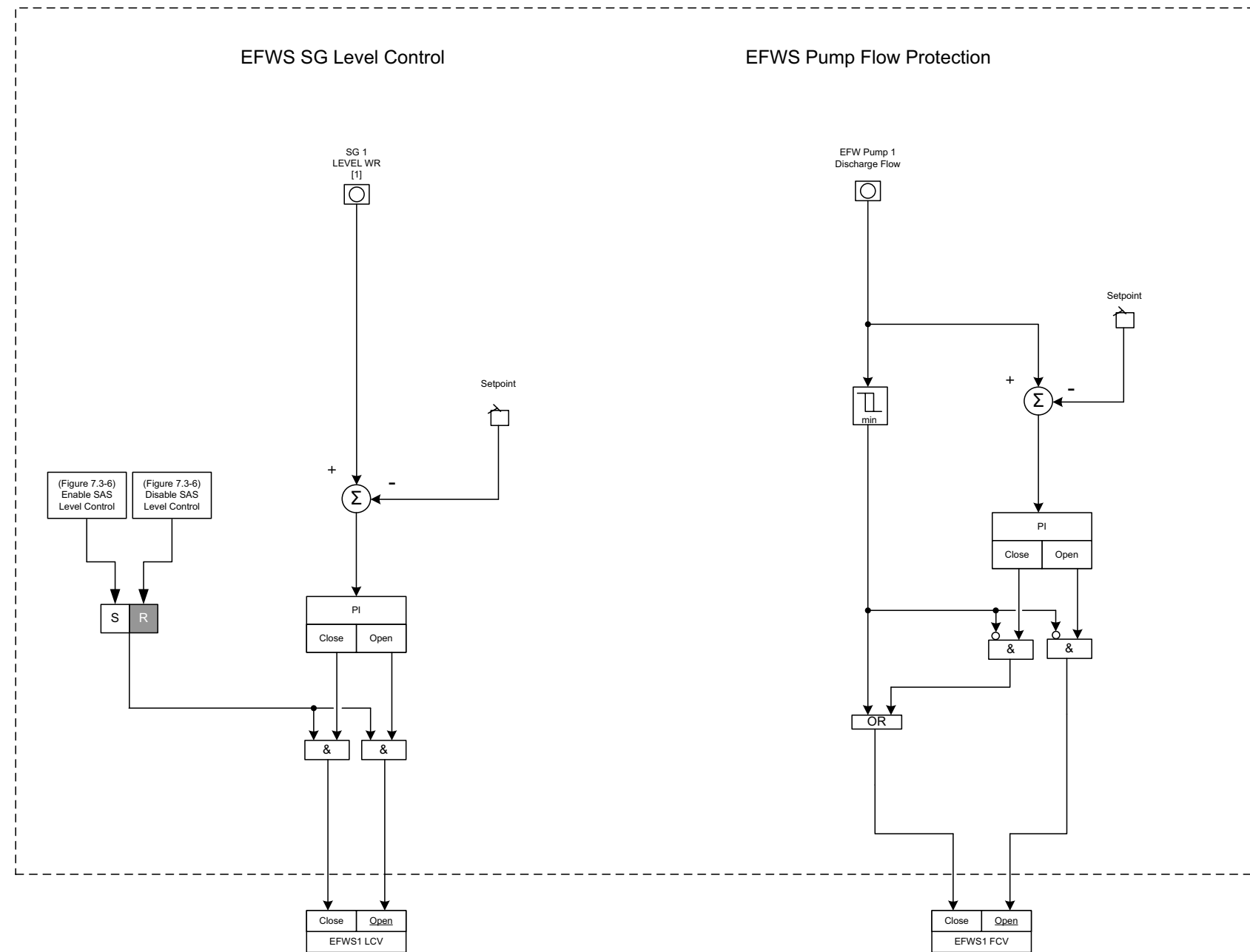
EPR3290 T2

Figure 7.3-3—EFWS Actuation



REV 003  
EPR3295 T2

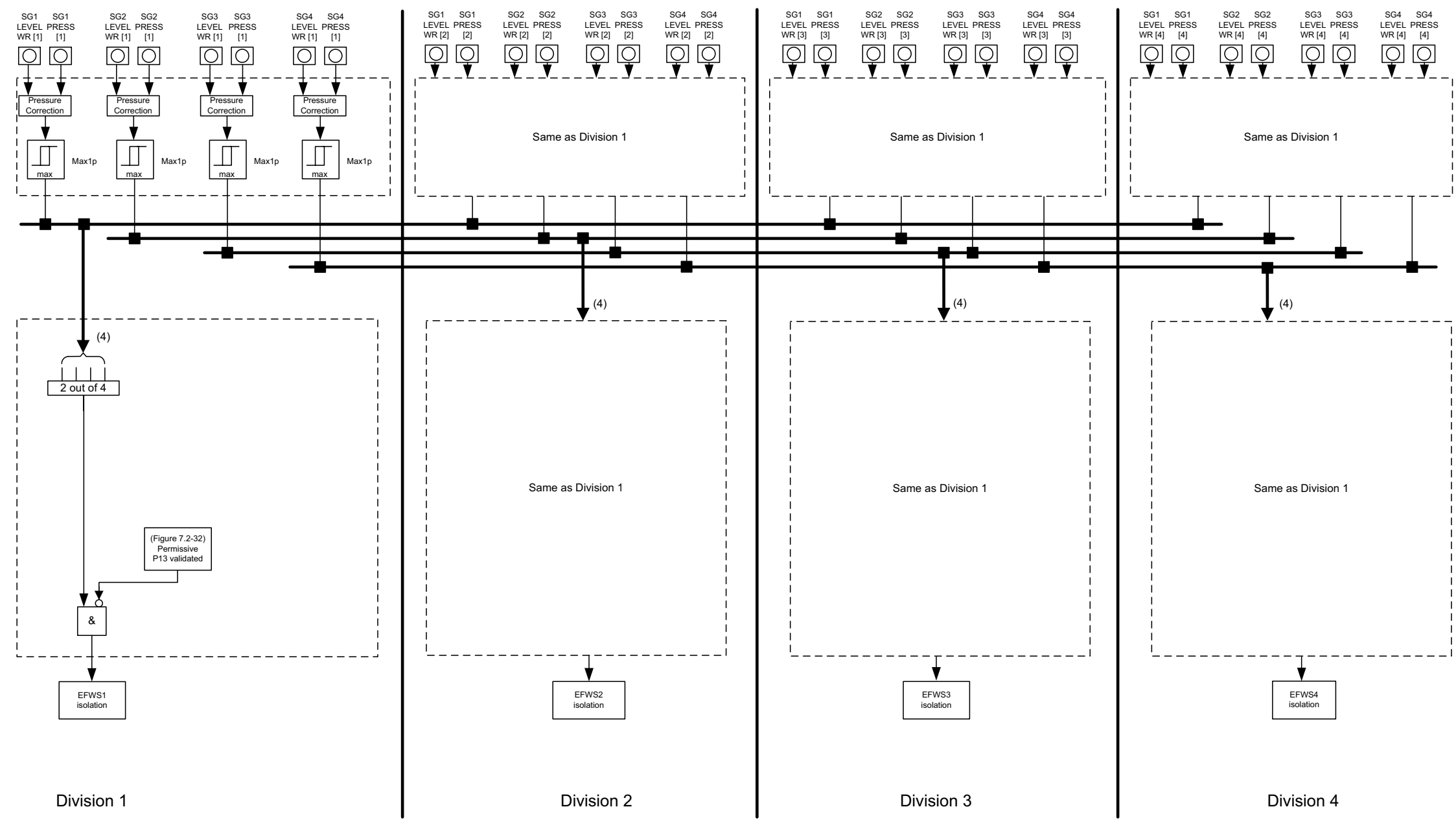
Figure 7.3-4—EFWS SG Level Control and Pump Flow Protection



Division 1  
Same for Divisions 2, 3, and 4 controlling Trains 2, 3, and 4, respectively

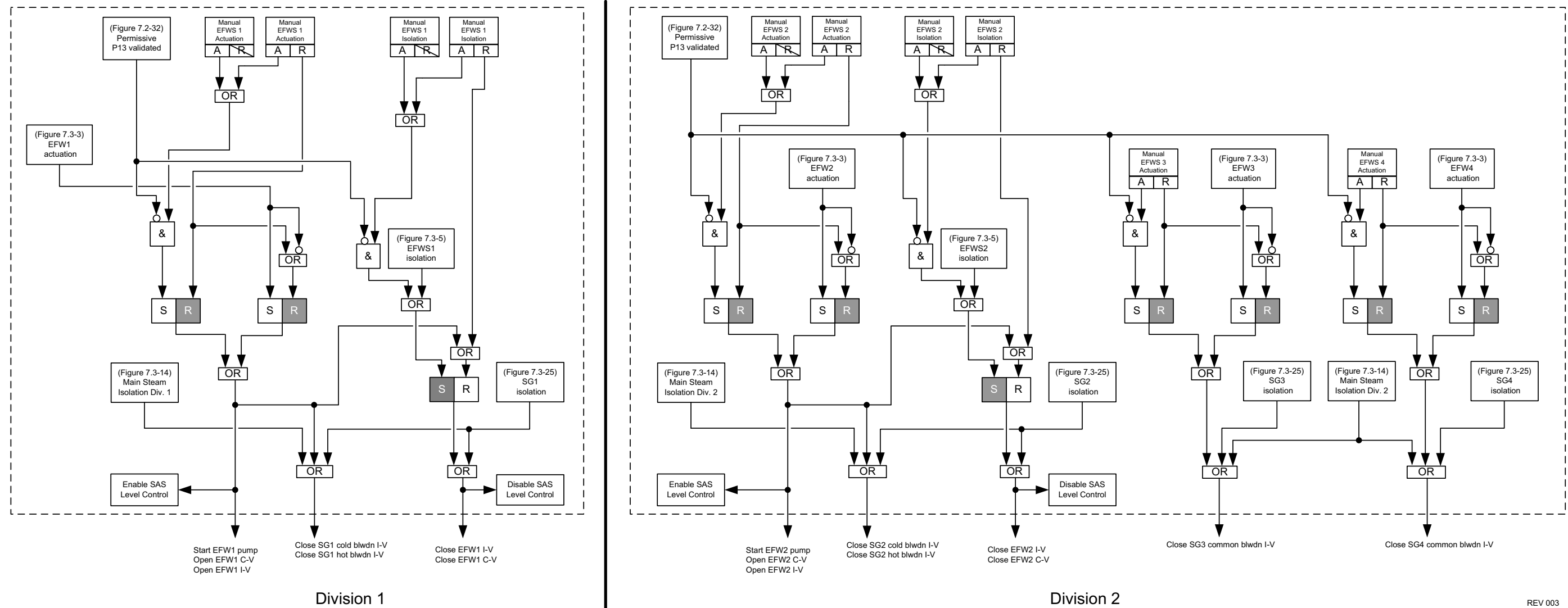
REV 004  
EPR3300 T2

Figure 7.3-5—EFWS Isolation



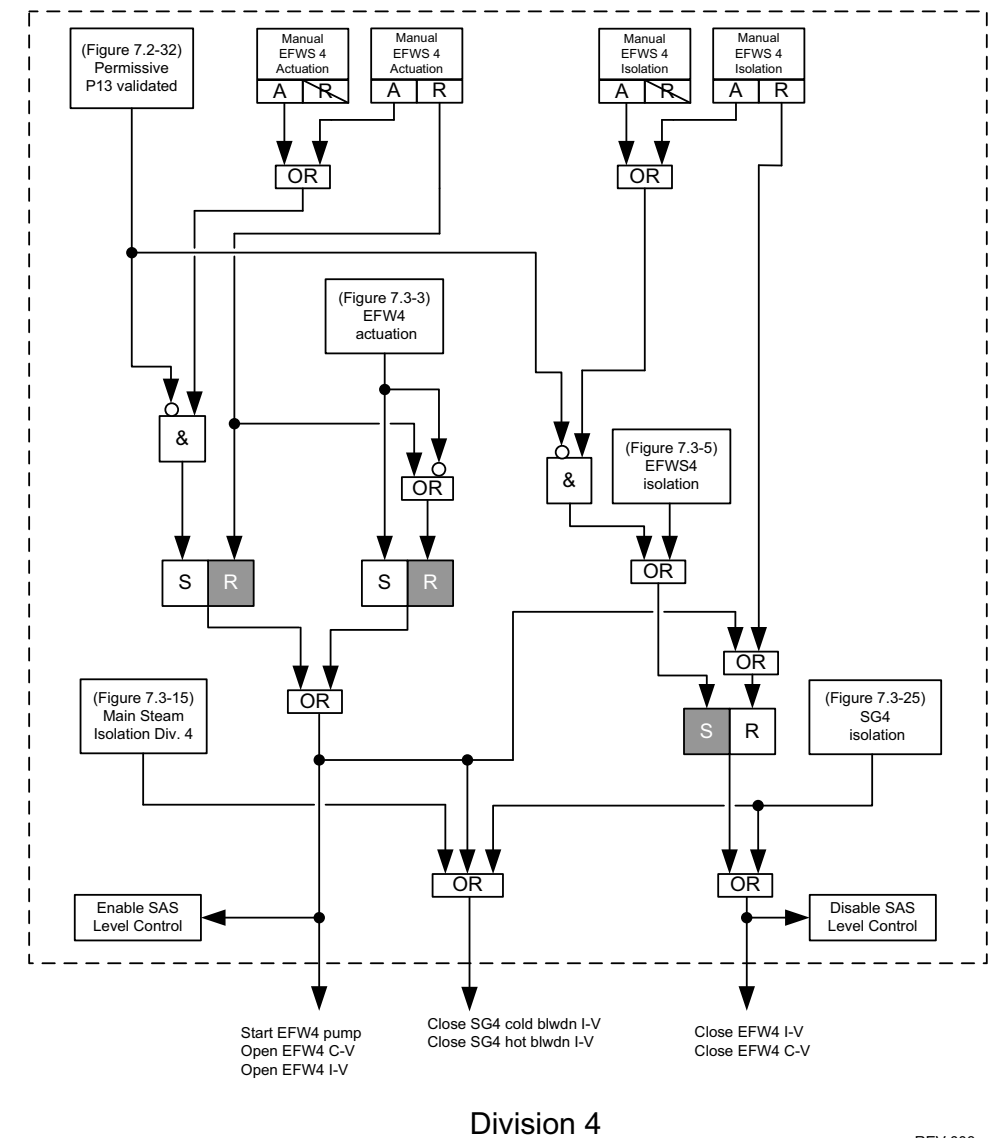
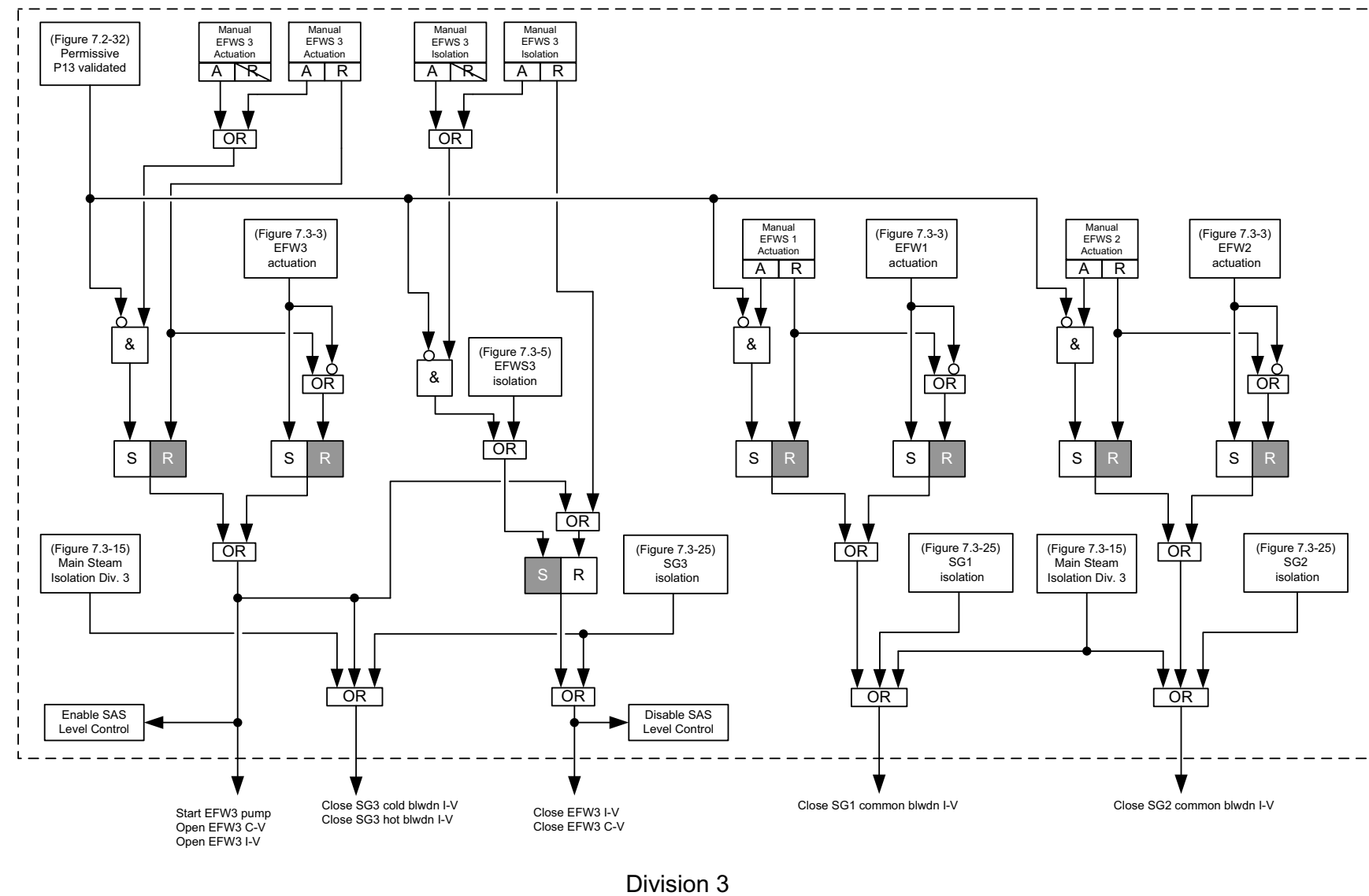
REV 003  
EPR3305 T2

Figure 7.3-6—EFWS Actuators (Div. 1&2)



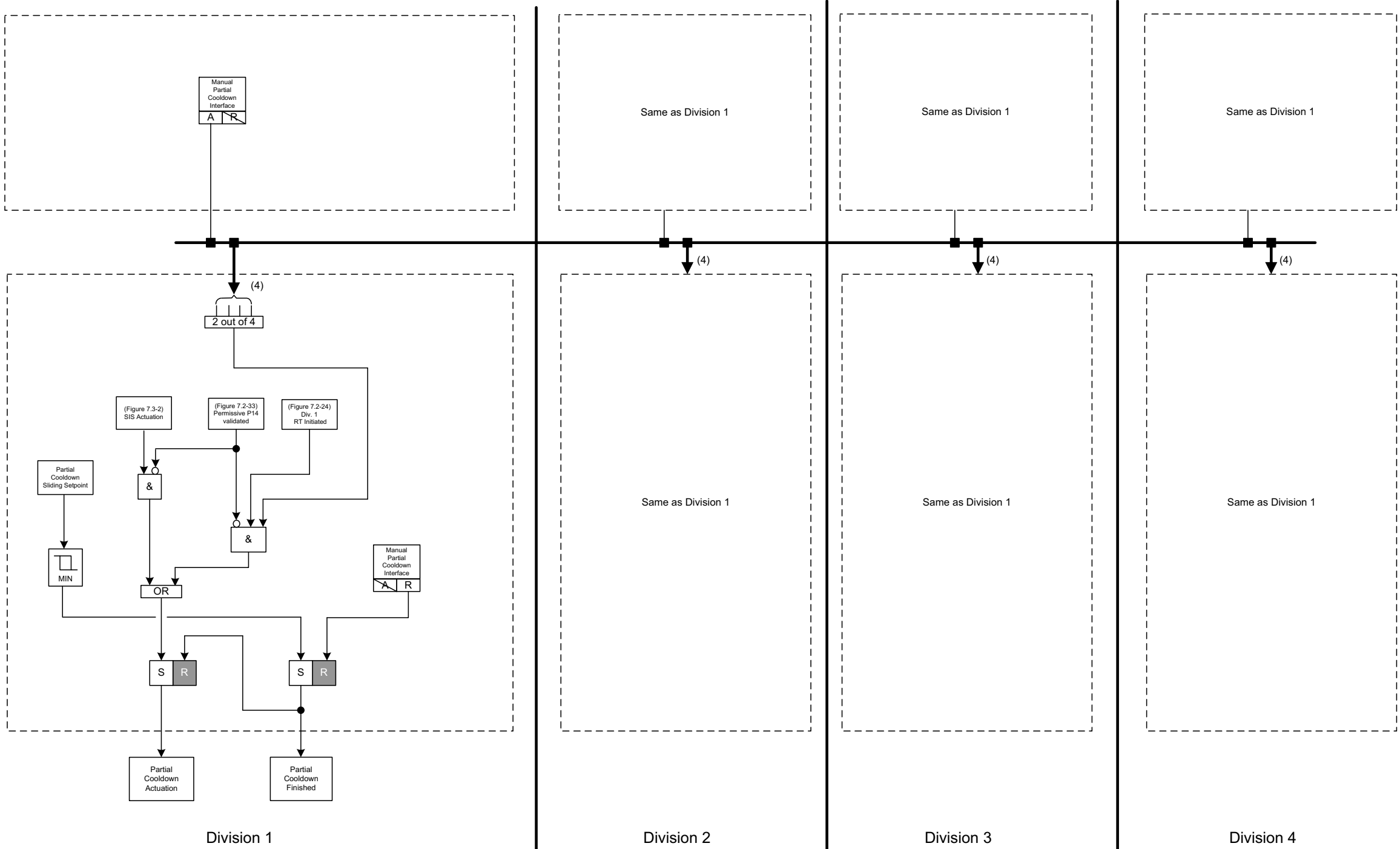
REV 003  
EPR3310 T2

Figure 7.3-7—EFWS Actuators (Div. 3&4)



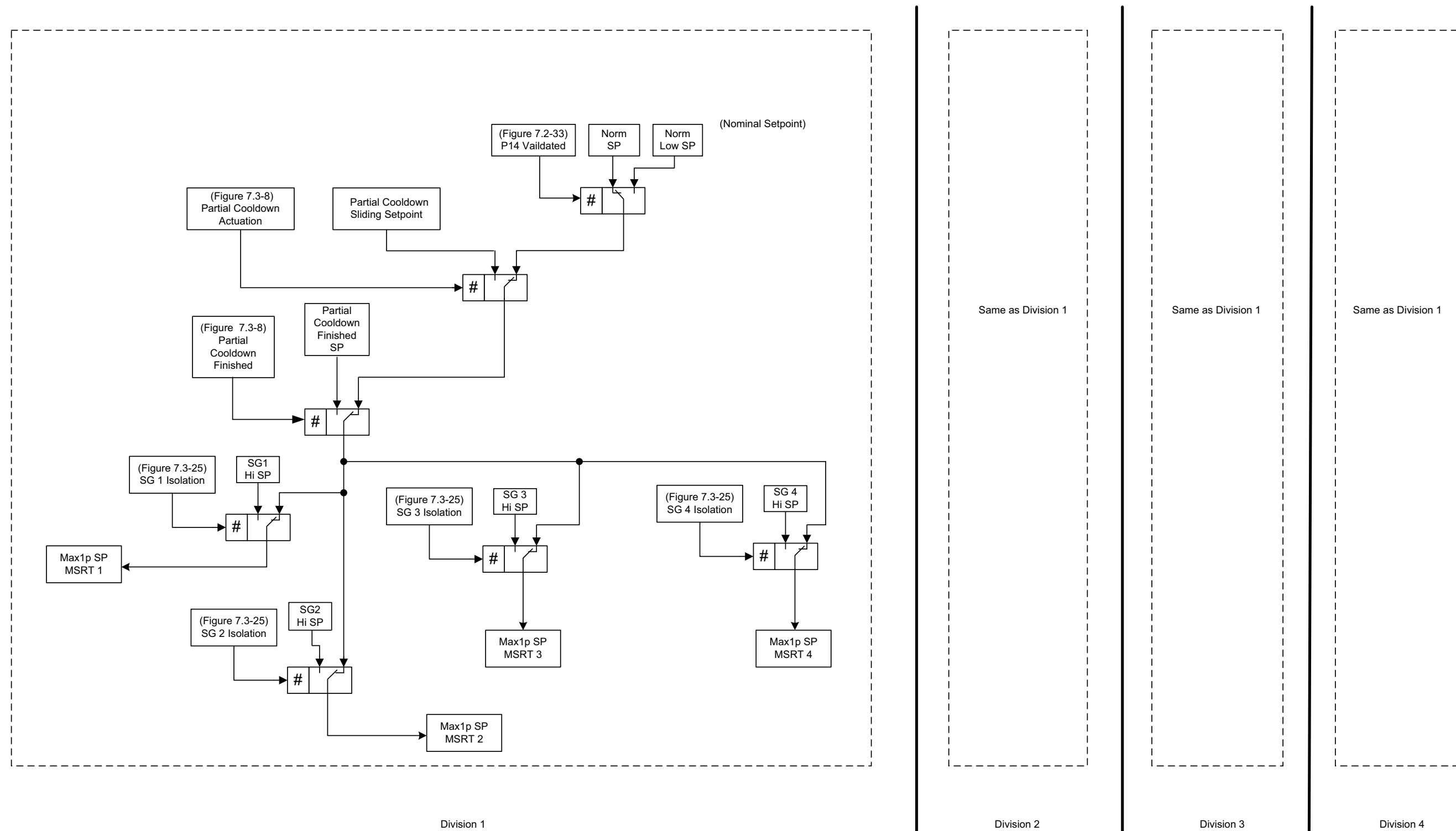
REV 003  
EPR3315 T2

Figure 7.3-8—Partial Cooldown Actuation



REV 003  
EPR3320 T2

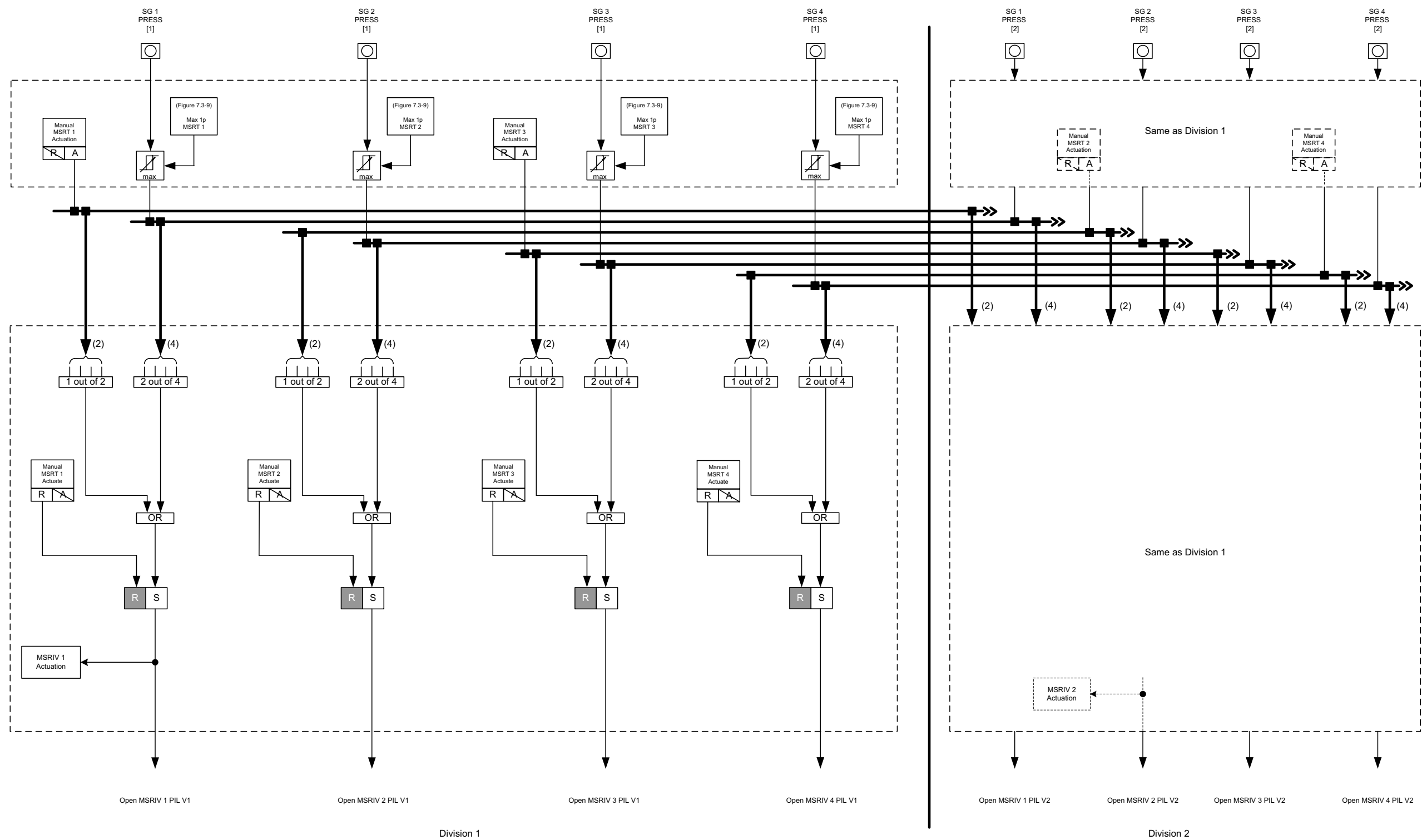
Figure 7.3-9—MSRT Setpoint Formation



REV 003  
EPR3325 T2

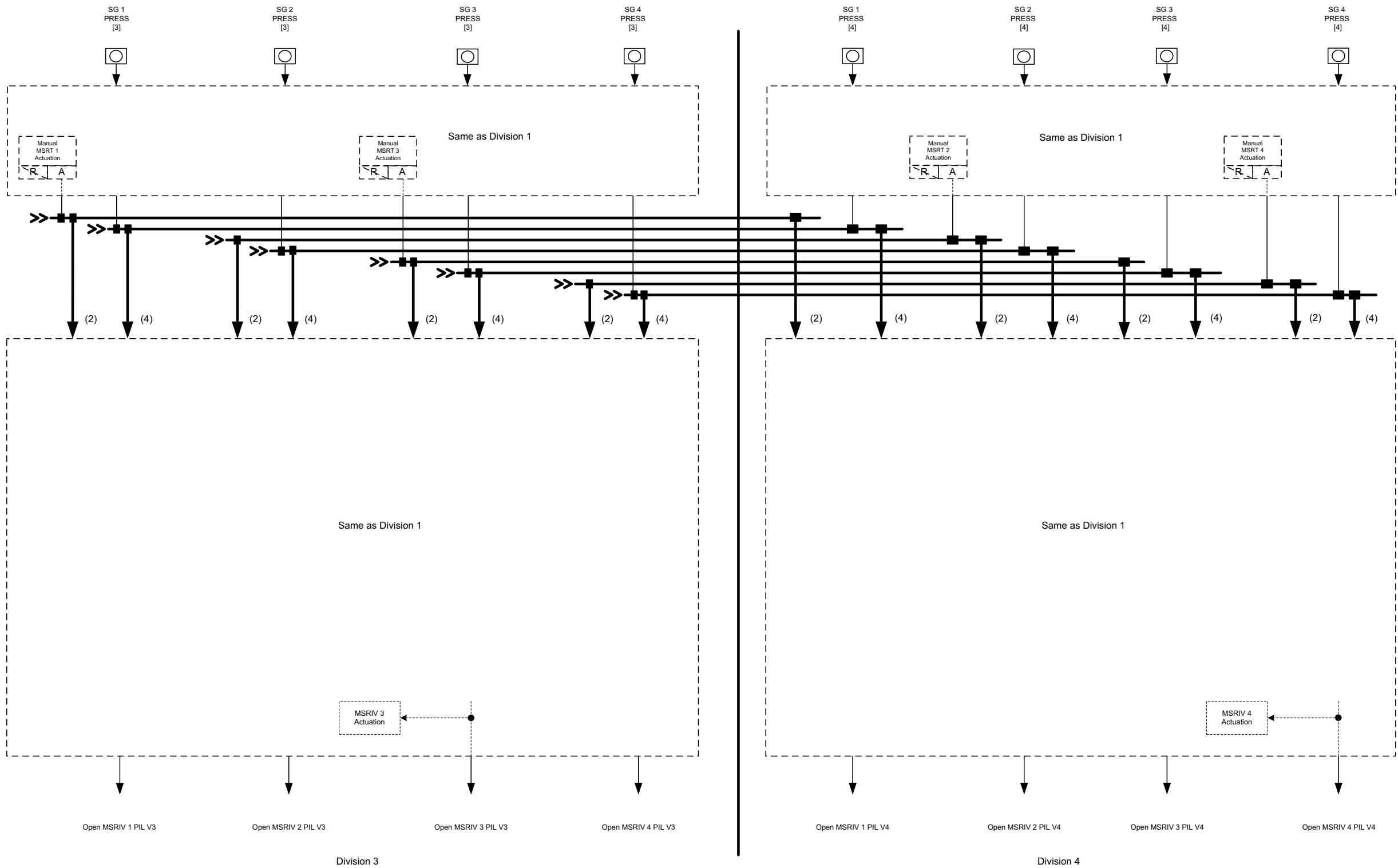


Figure 7.3-10—MSRIV Opening (Div. 1&2)



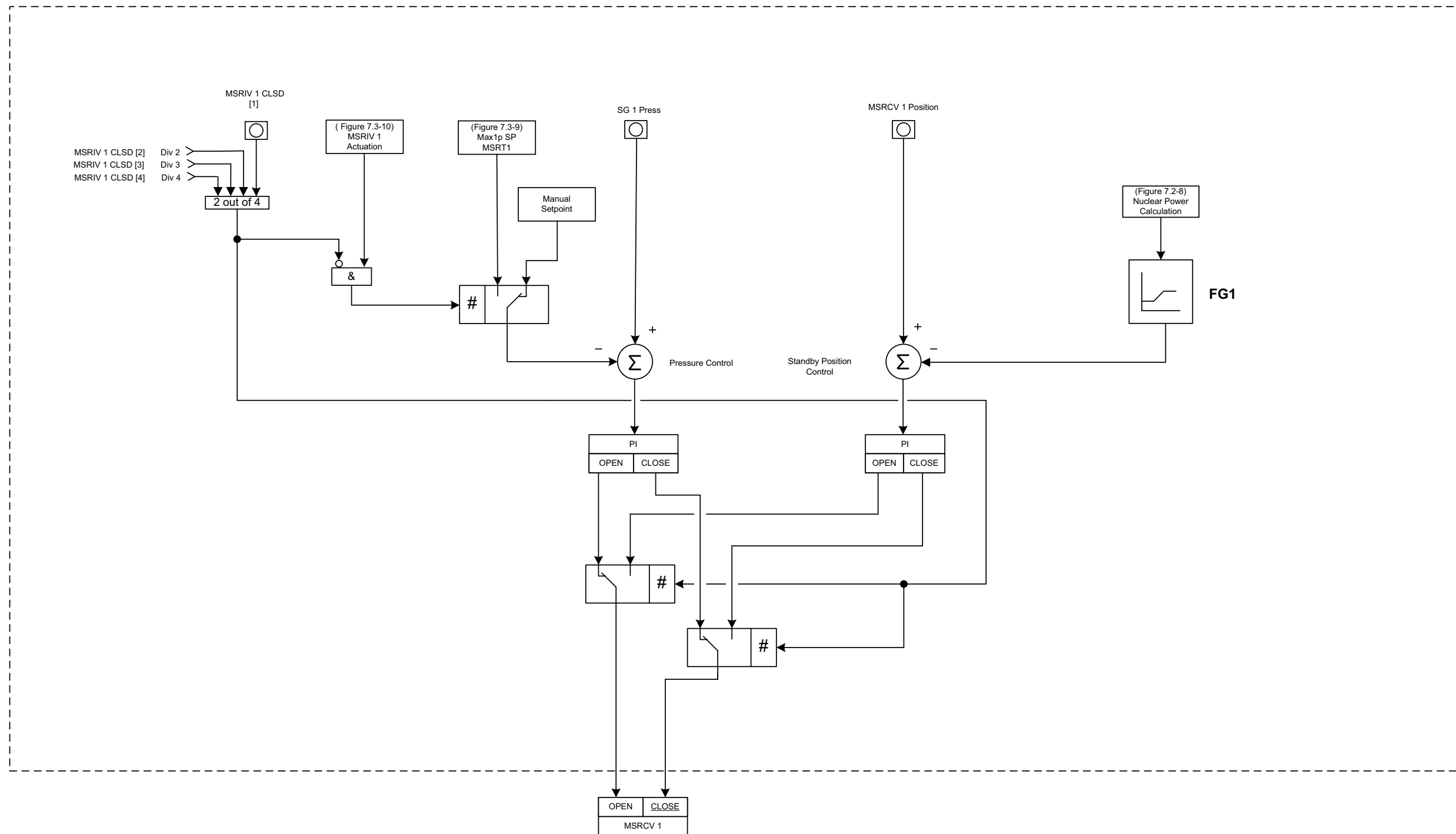
EPR3330 T2

Figure 7.3-11—MSRIV Opening (Div. 3&4)



EPR3335 T2

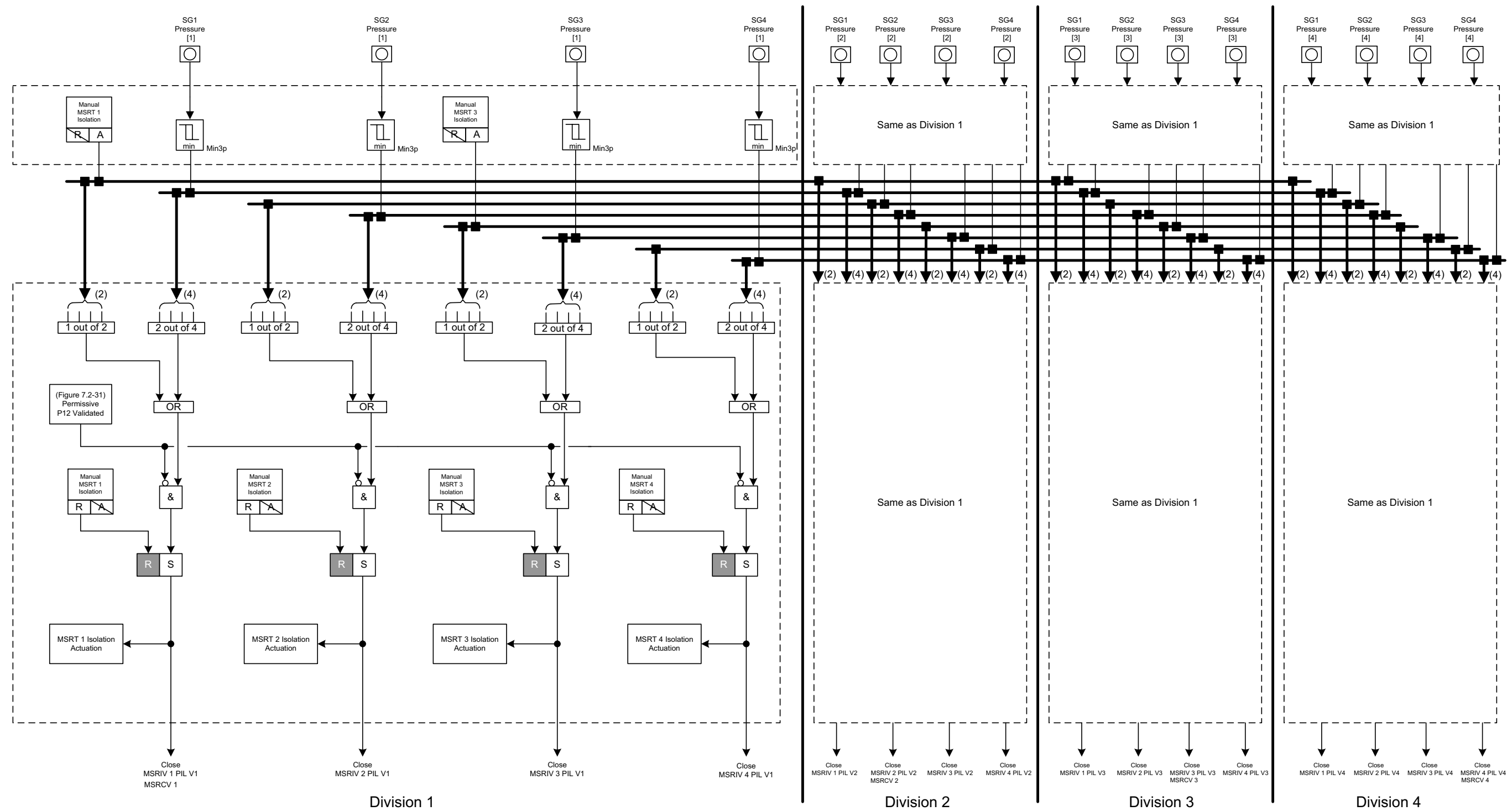
Figure 7.3-12—MSRCV Control



Division 1  
Typical for Divisions 2,3,& 4

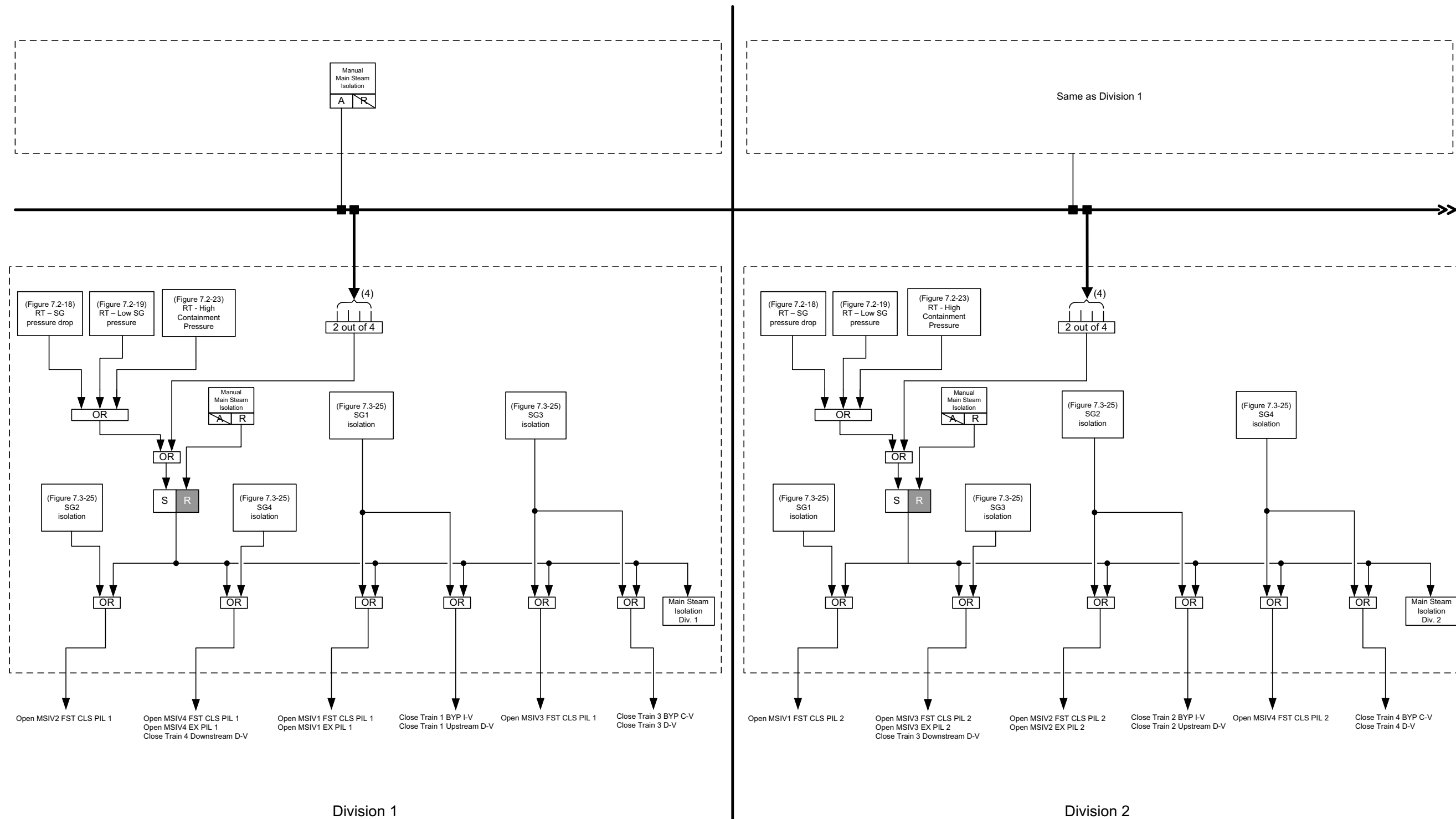
REV 004  
EPR3340 T2

Figure 7.3-13—MSRT Isolation



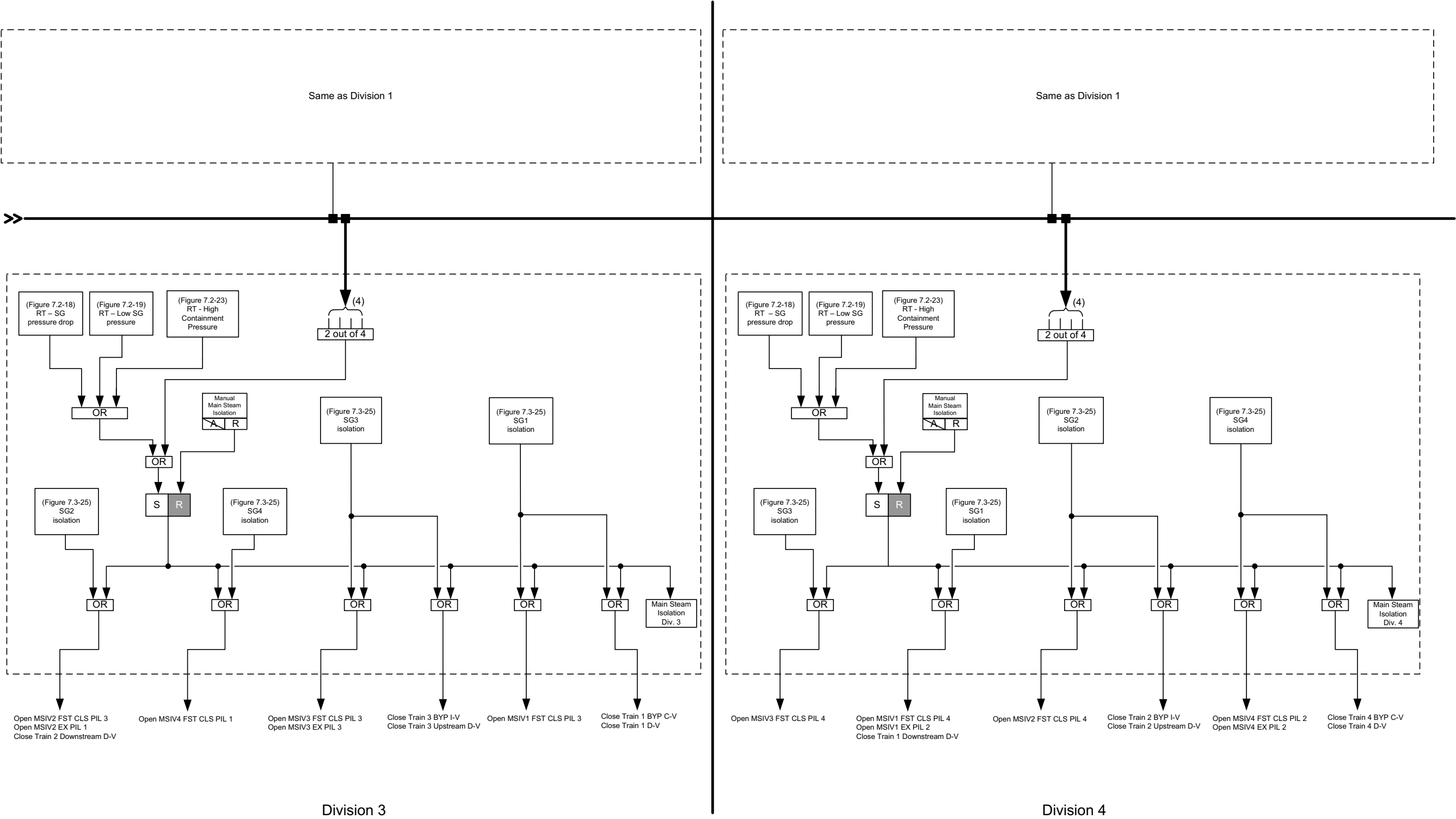
EPR3345 T2

Figure 7.3-14—Main Steam Isolation (Div. 1&2)



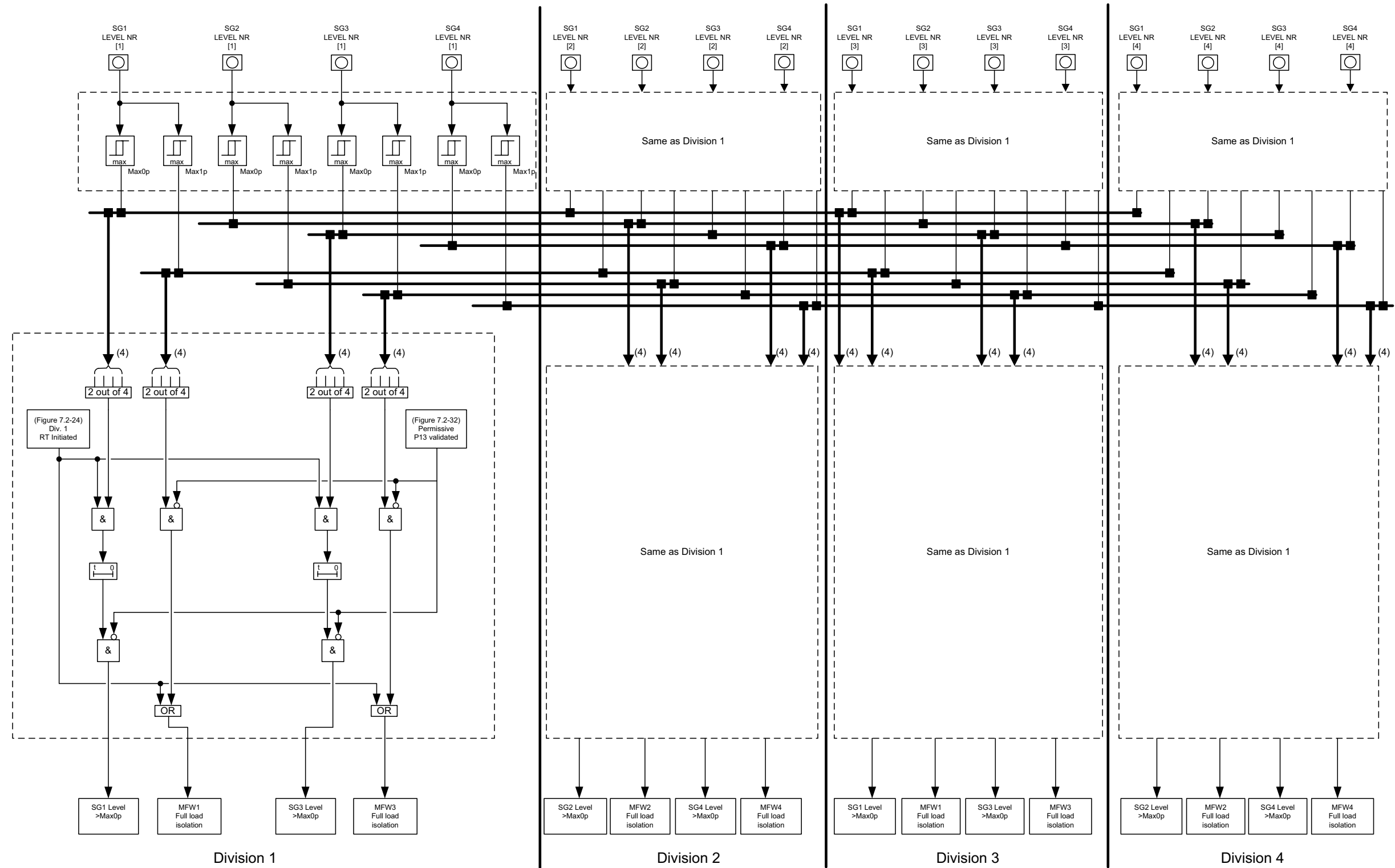
REV 003  
EPR3350 T2

Figure 7.3-15—Main Steam Isolation (Div. 3&4)



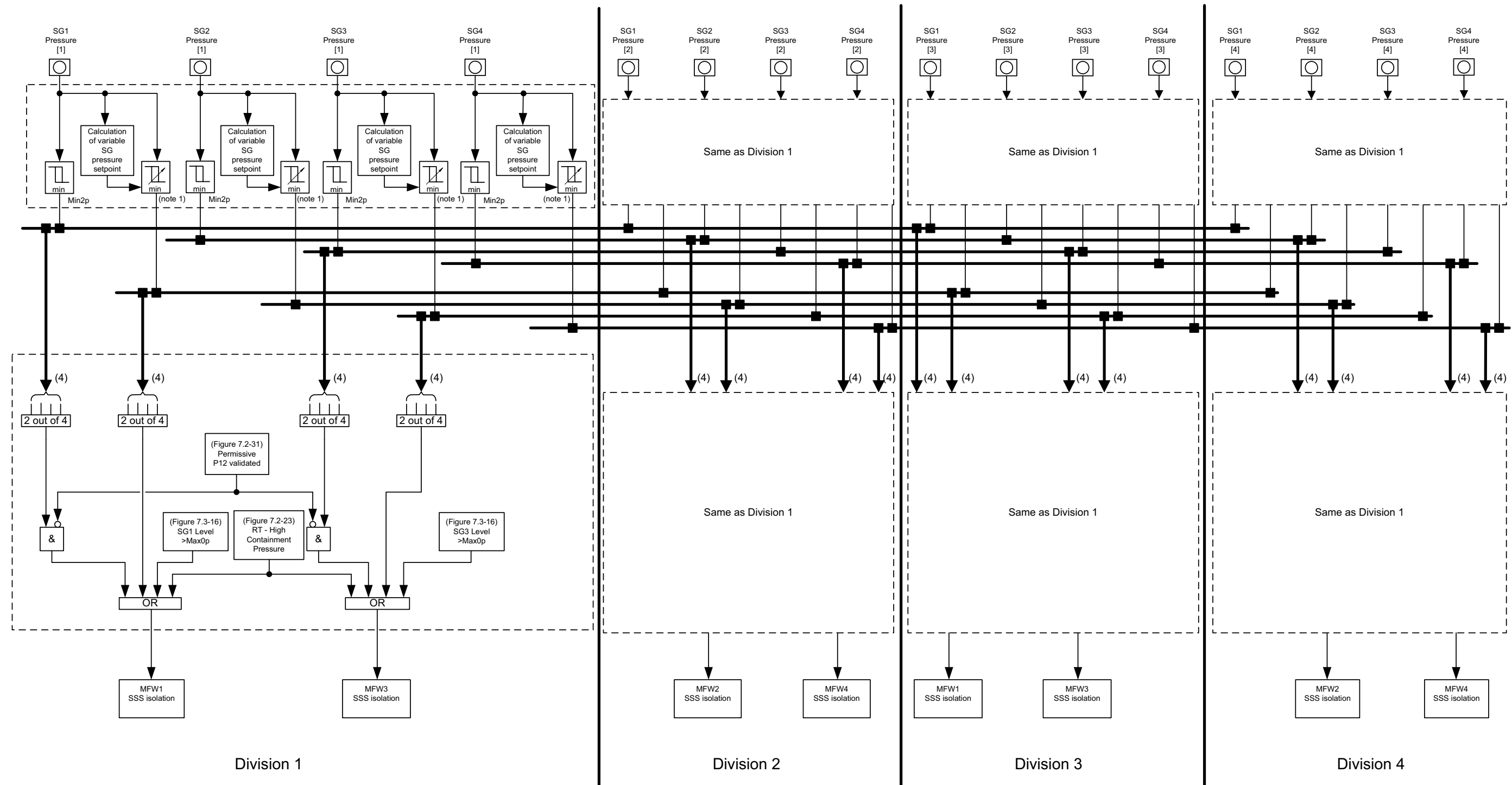
REV 003  
EPR3355 T2

Figure 7.3-16—MFWS Isolation - Full Load



REV 003  
EPR3360 T2

Figure 7.3-17—MFWS Isolation - SSS

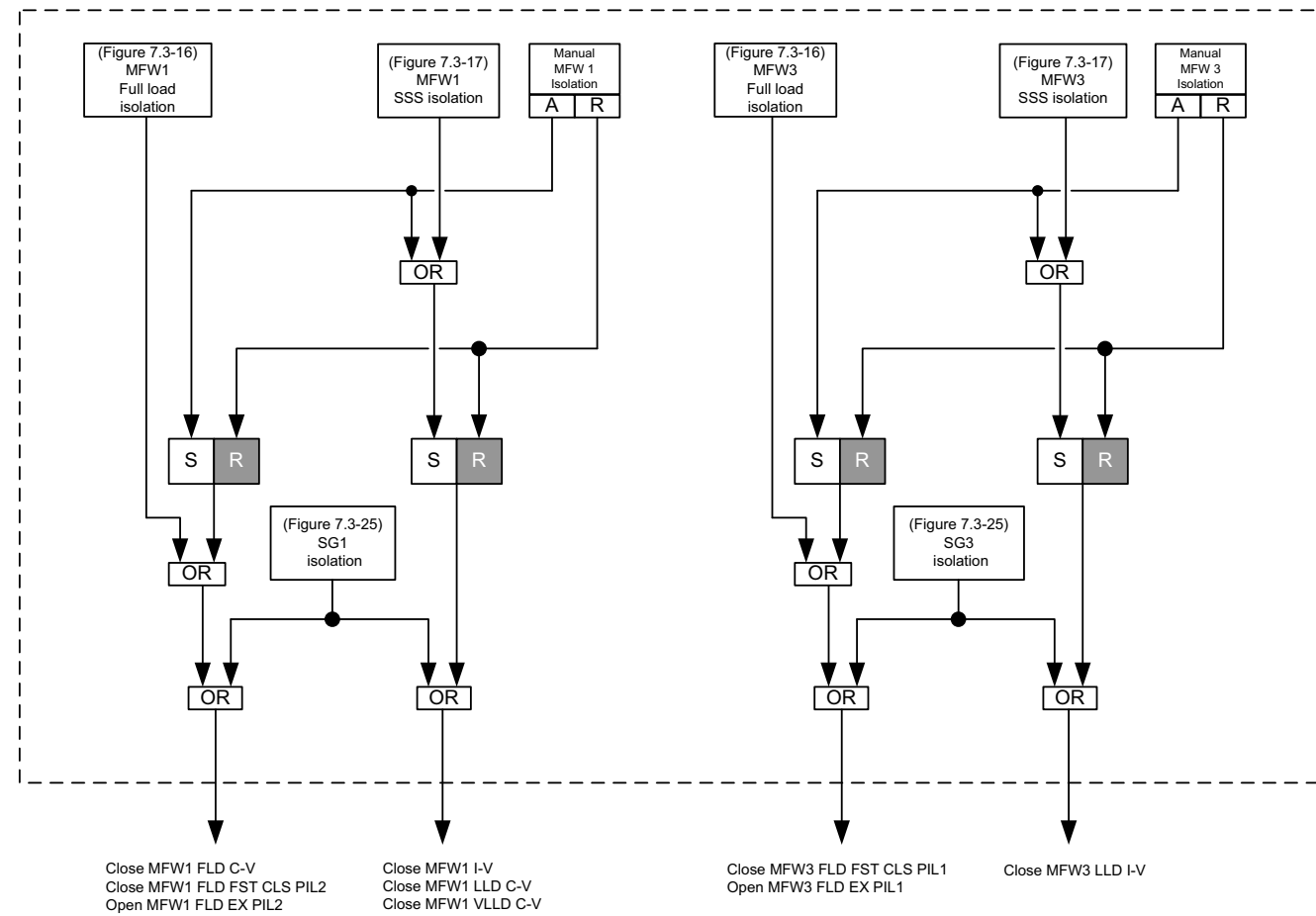


Note 1: The condition to be detected is a SG pressure drop > Max 2p. This is implemented with a variable "Min" setpoint that decreases in a rate-limited manner.

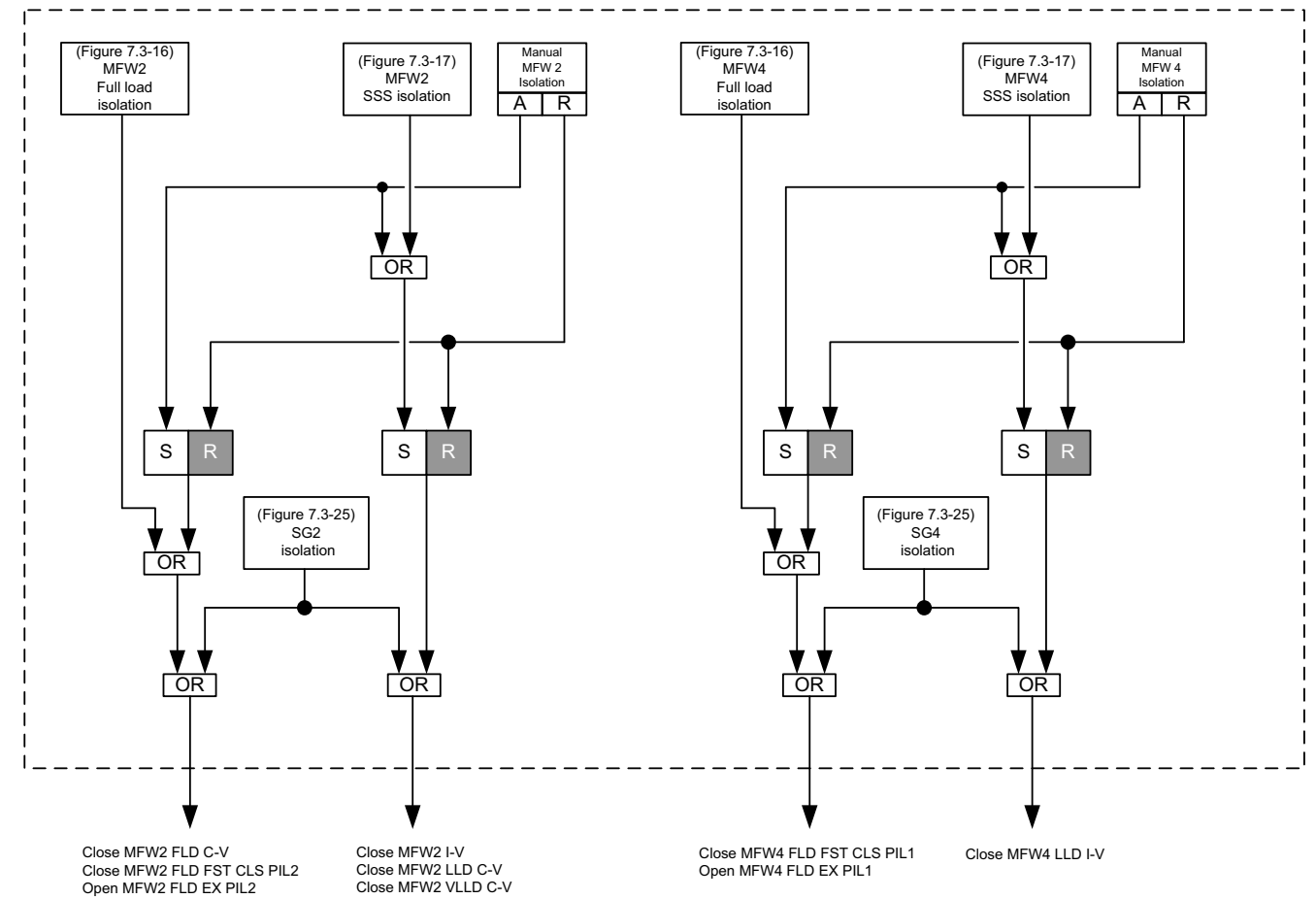
REV 003  
EPR3365 T2



Figure 7.3-18—MFW Actuators (Div. 1&2)



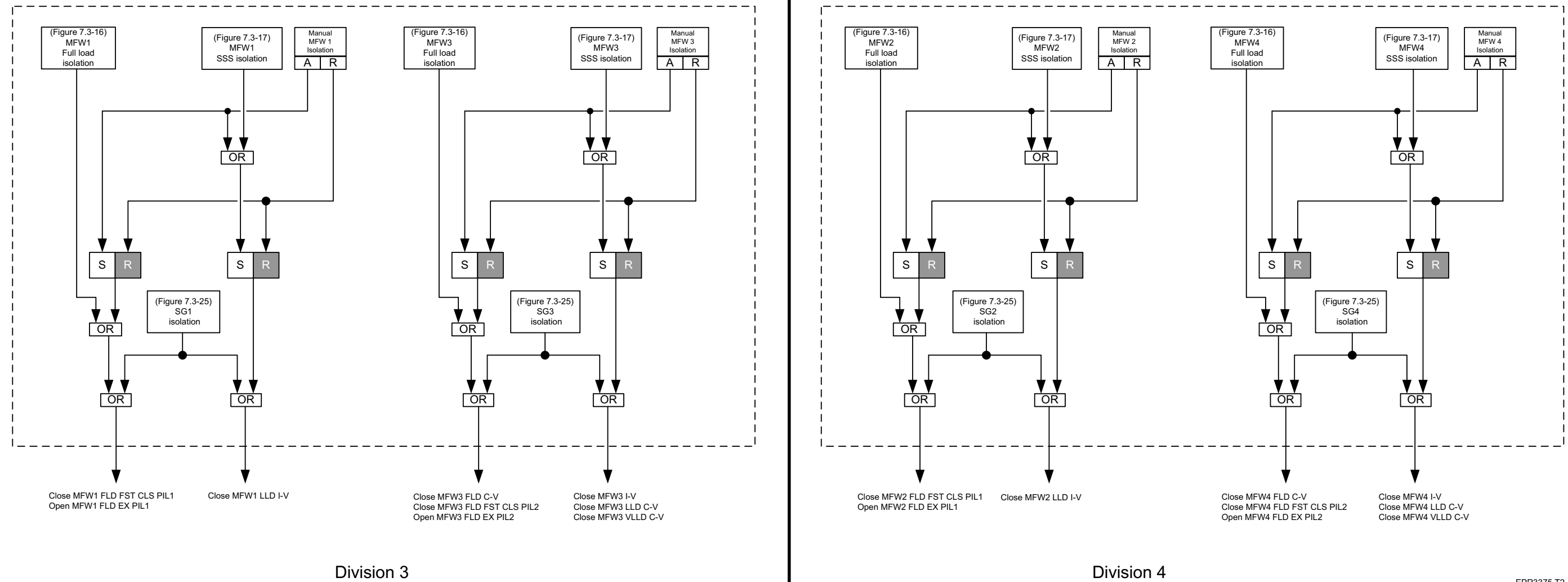
Division 1



Division 2

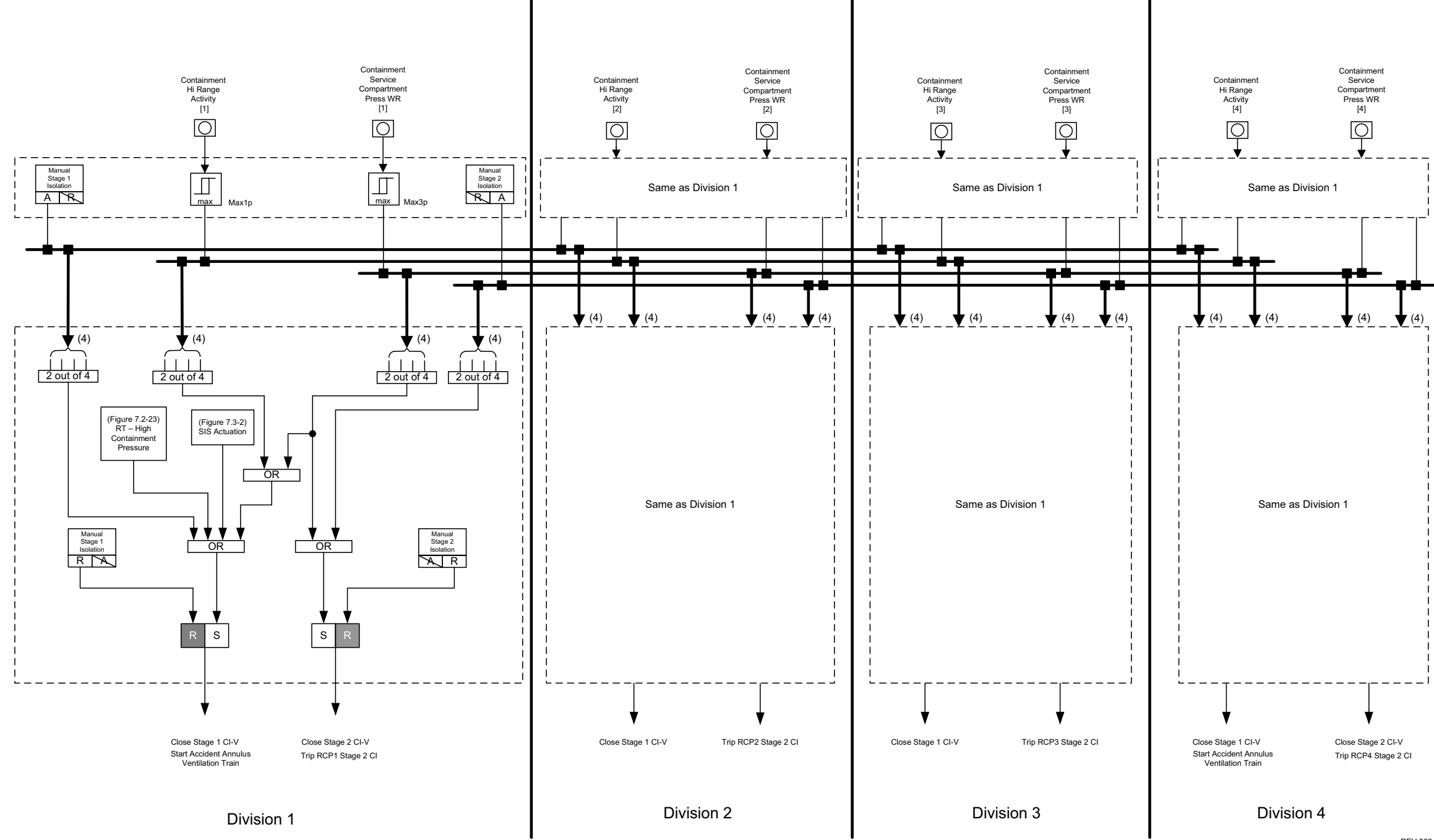
EPR3370 T2

Figure 7.3-19—MFW Actuators (Div. 3&4)



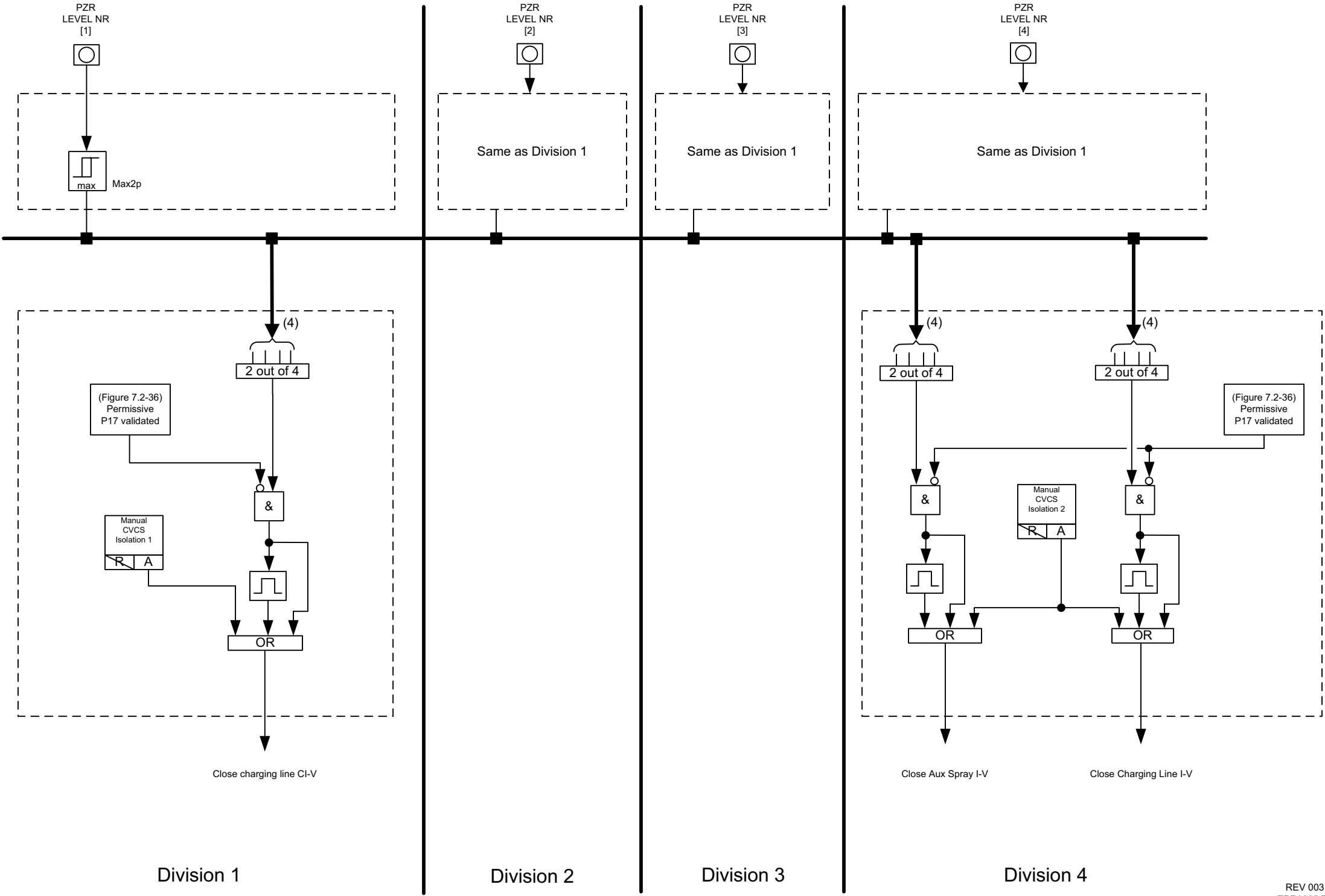
EPR3375 T2

Figure 7.3-20—Containment Isolation



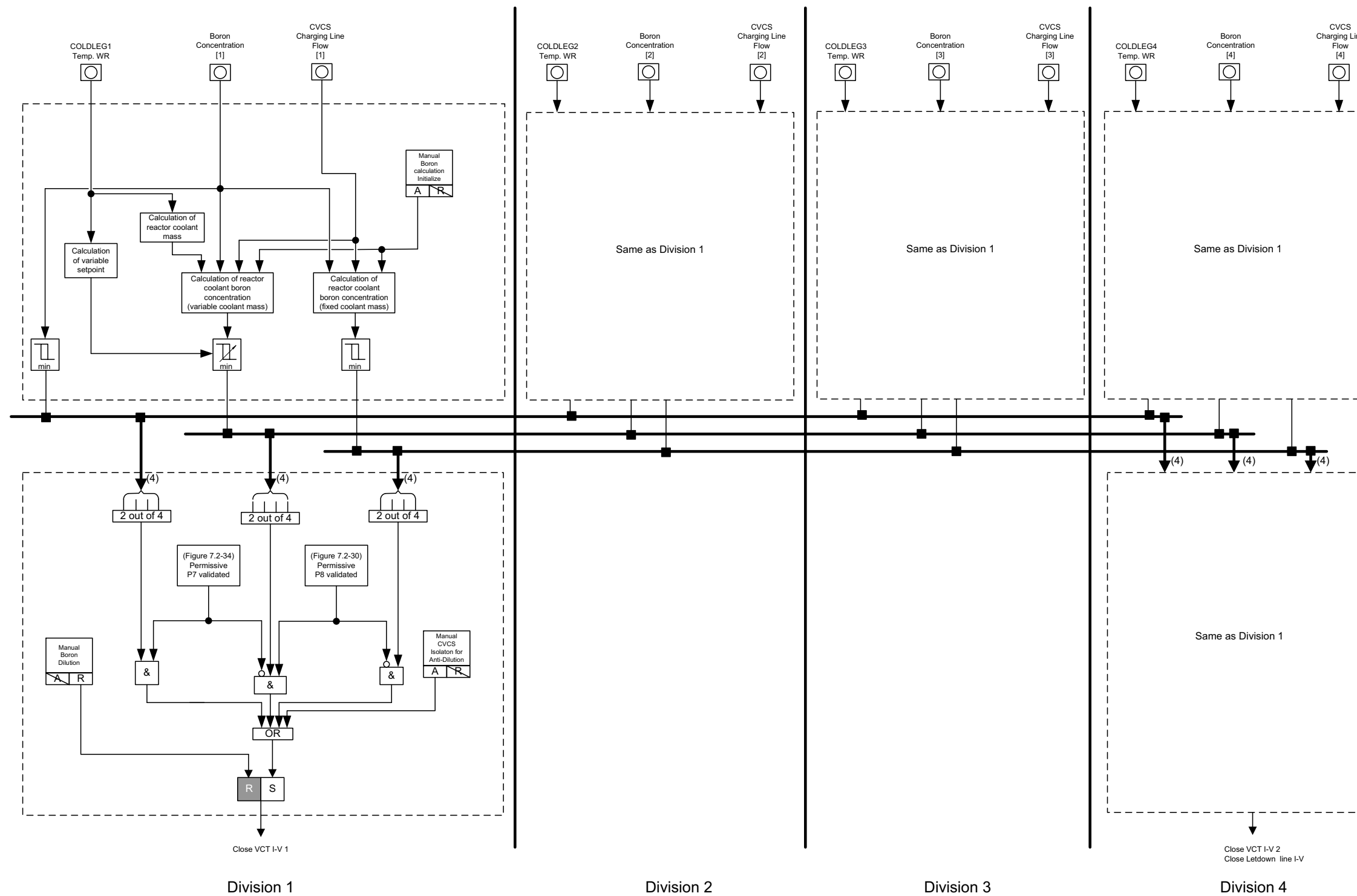
REV 003  
EPR3380 T2

Figure 7.3-21—CVCS Charging Isolation



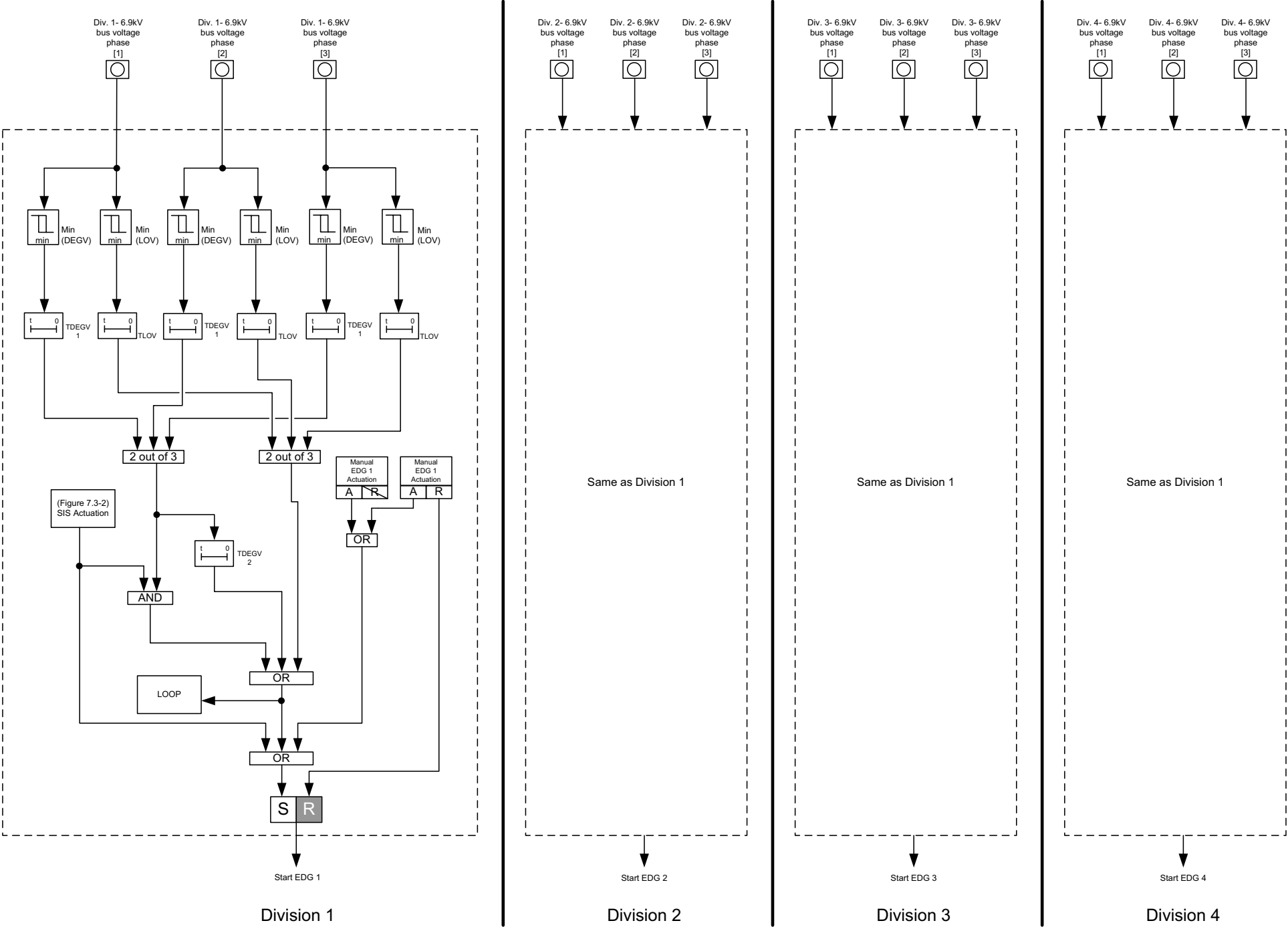
REV 003  
EPR3385 T2

Figure 7.3-22—CVCS Isolation for Anti-Dilution



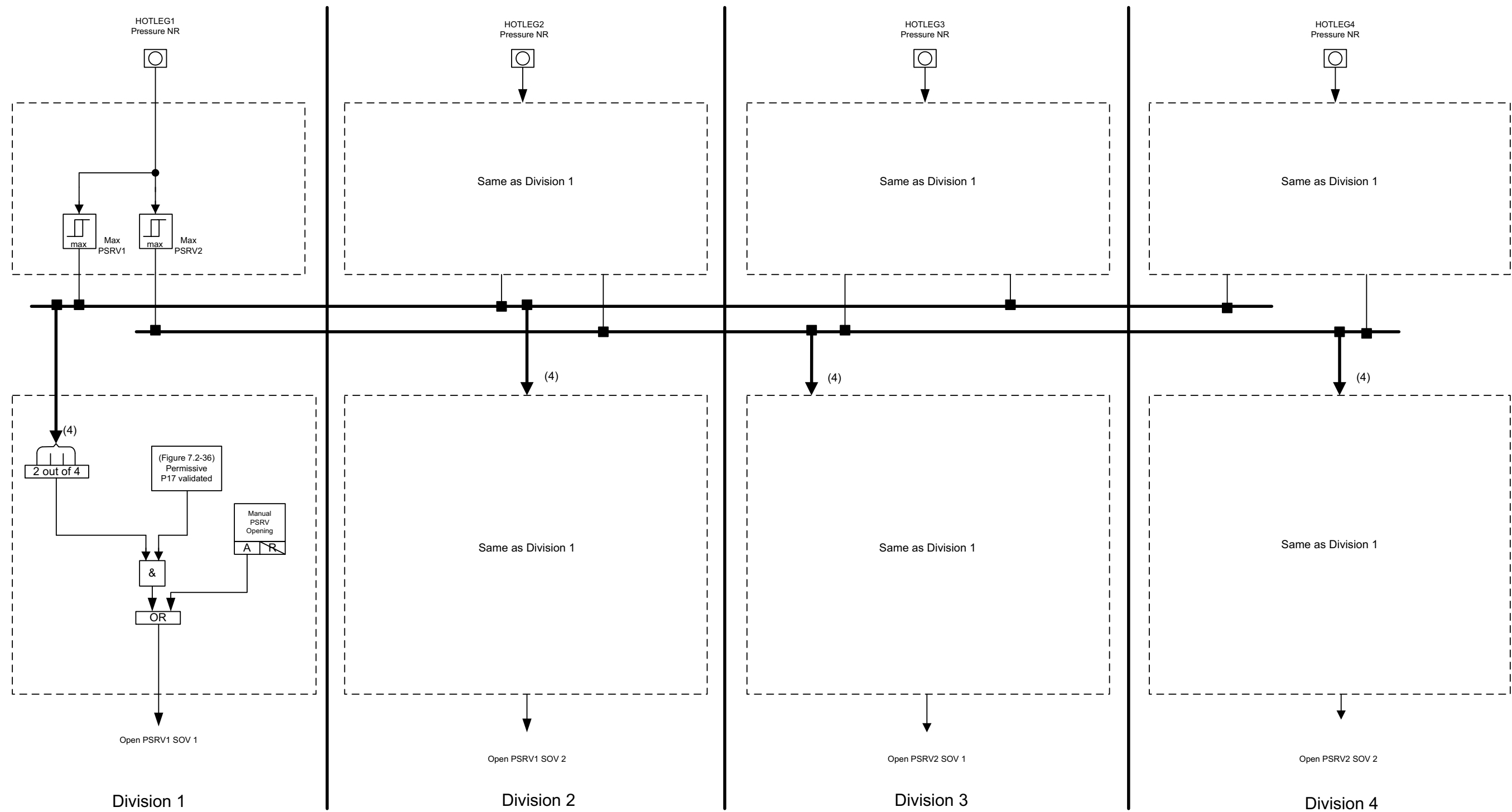
REV 003  
EPR3390 T2

Figure 7.3-23—EDG Actuation



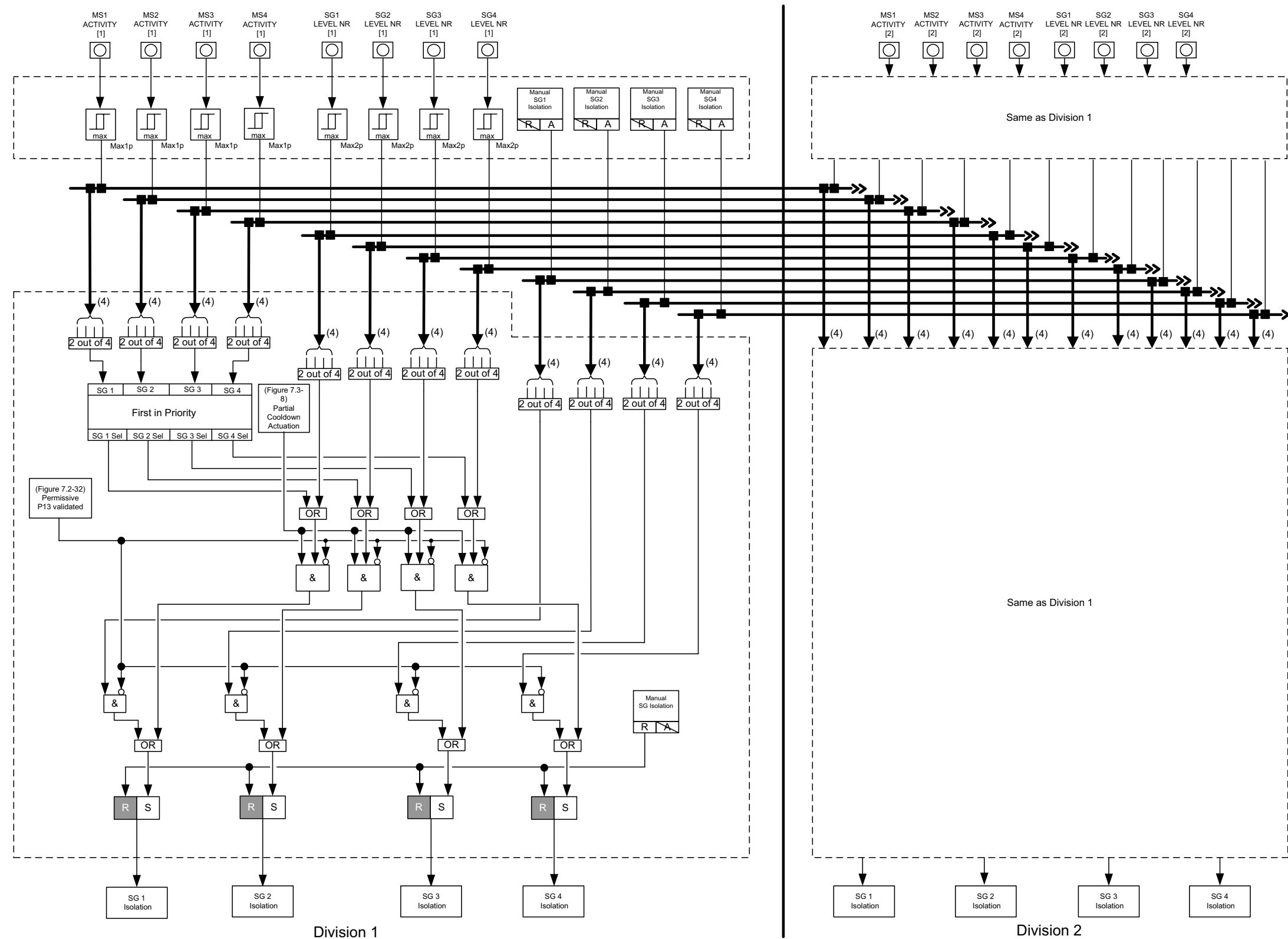
REV 003  
EPR3395 T2

Figure 7.3-24—PSRV Opening (Brittle Fracture Protection)



REV 002  
EPR3400 T2

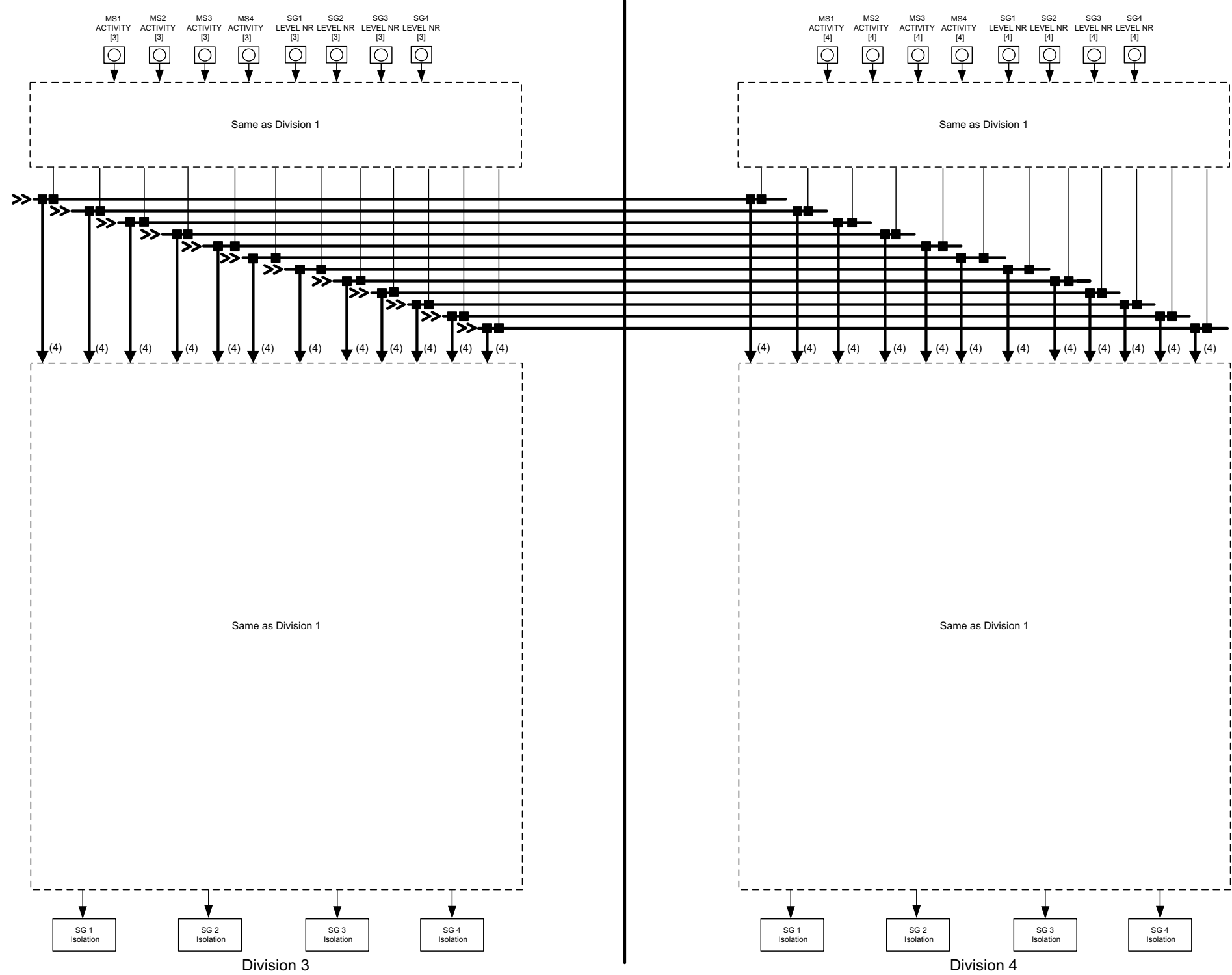
Figure 7.3-25—SG Isolation (Div. 1&2)



EPR3405 T2

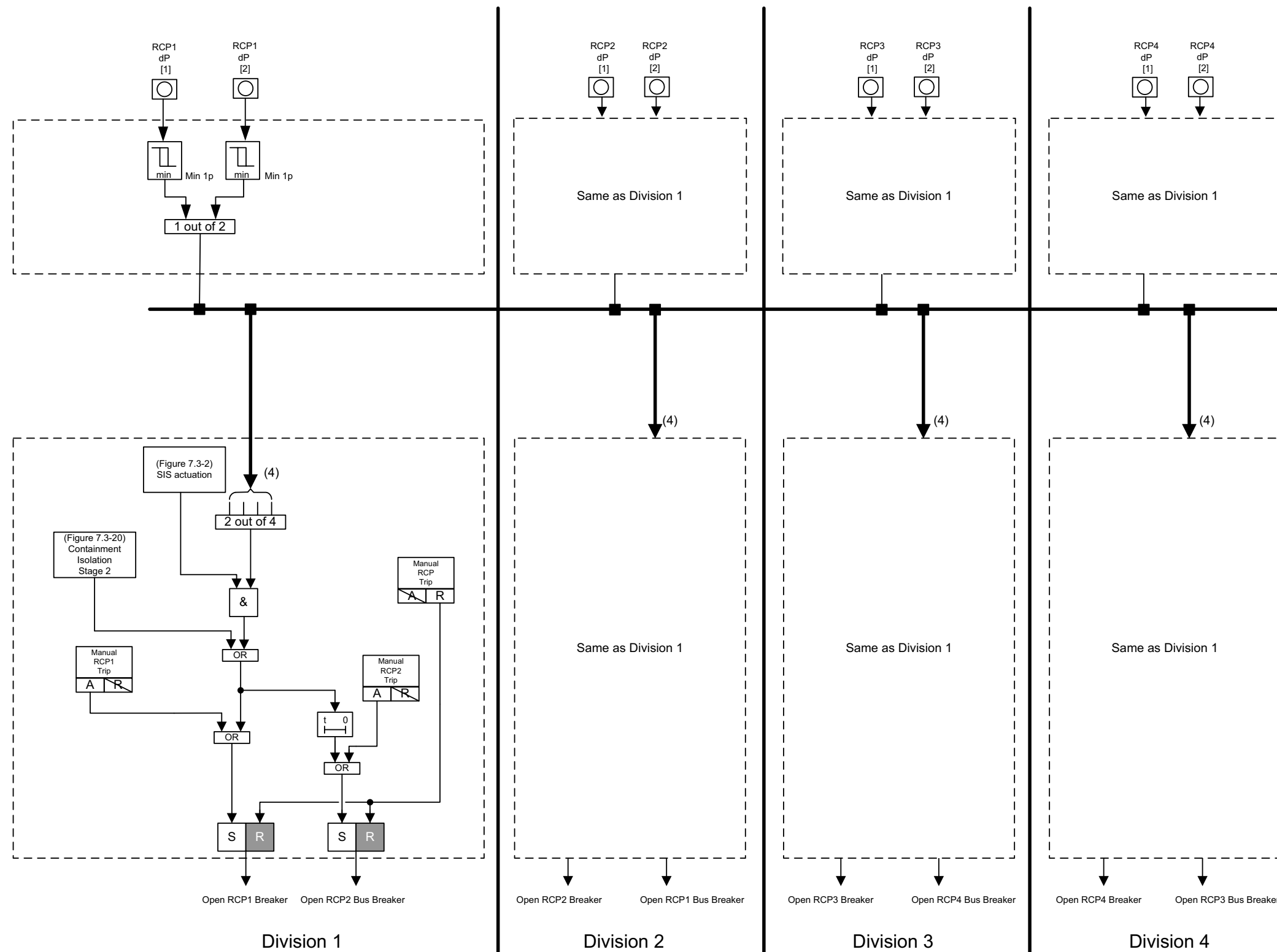


Figure 7.3-26—SG Isolation (Div. 3&4)



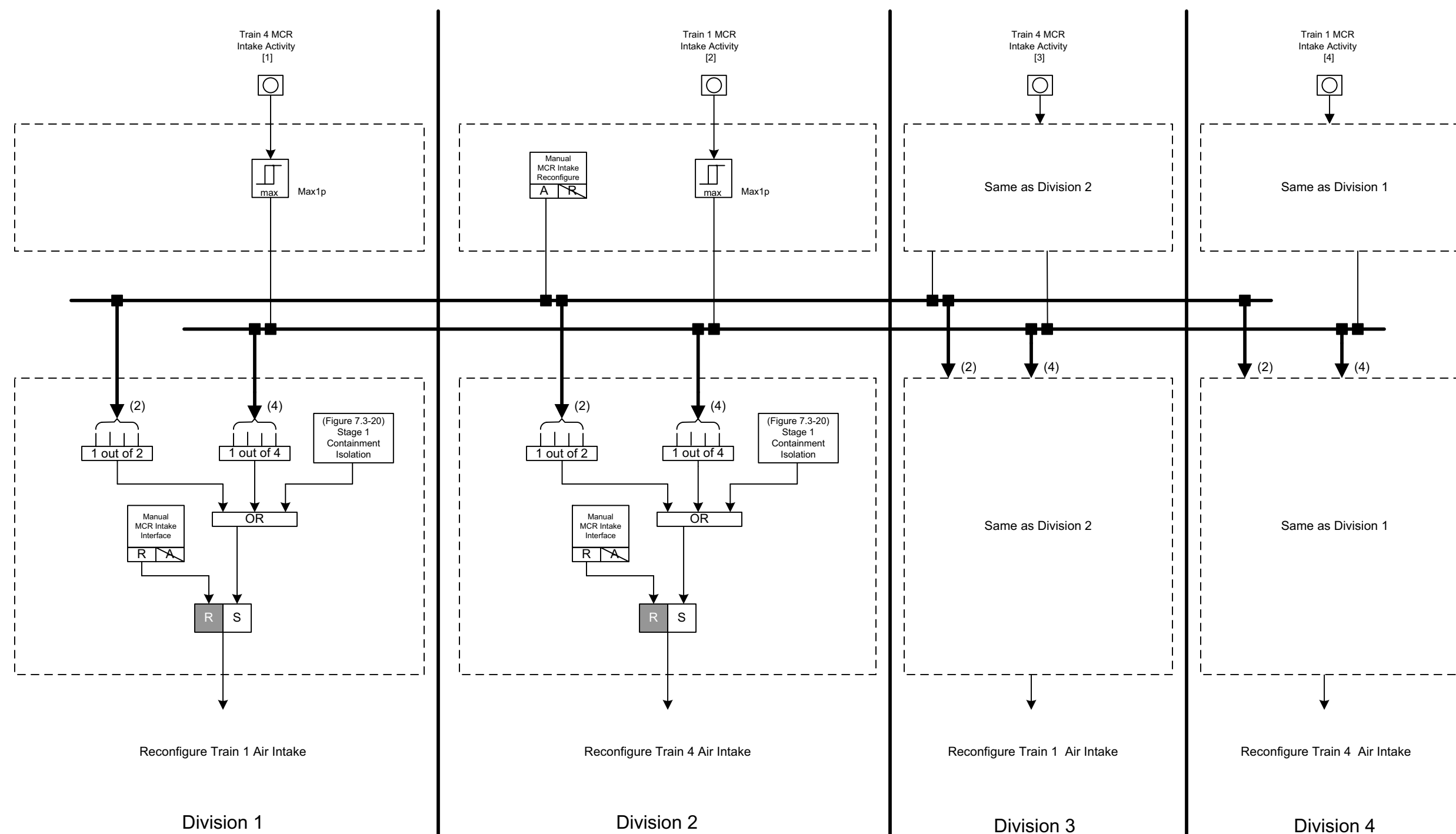
EPR3410 T2

Figure 7.3-27—RCP Trip



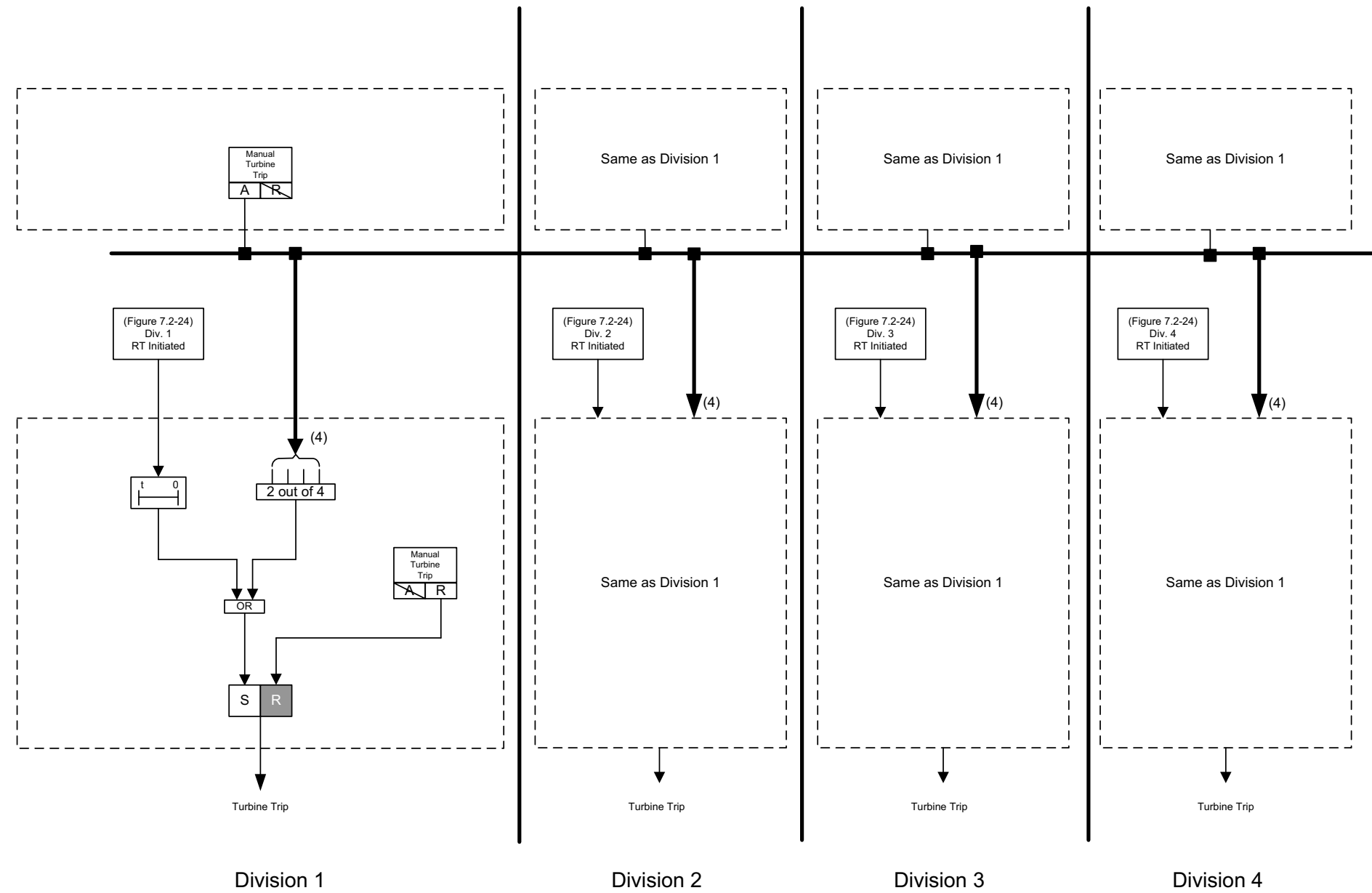
REV 002  
EPR3415 T2

Figure 7.3-28—MCR Air Conditioning System Isolation and Filtering



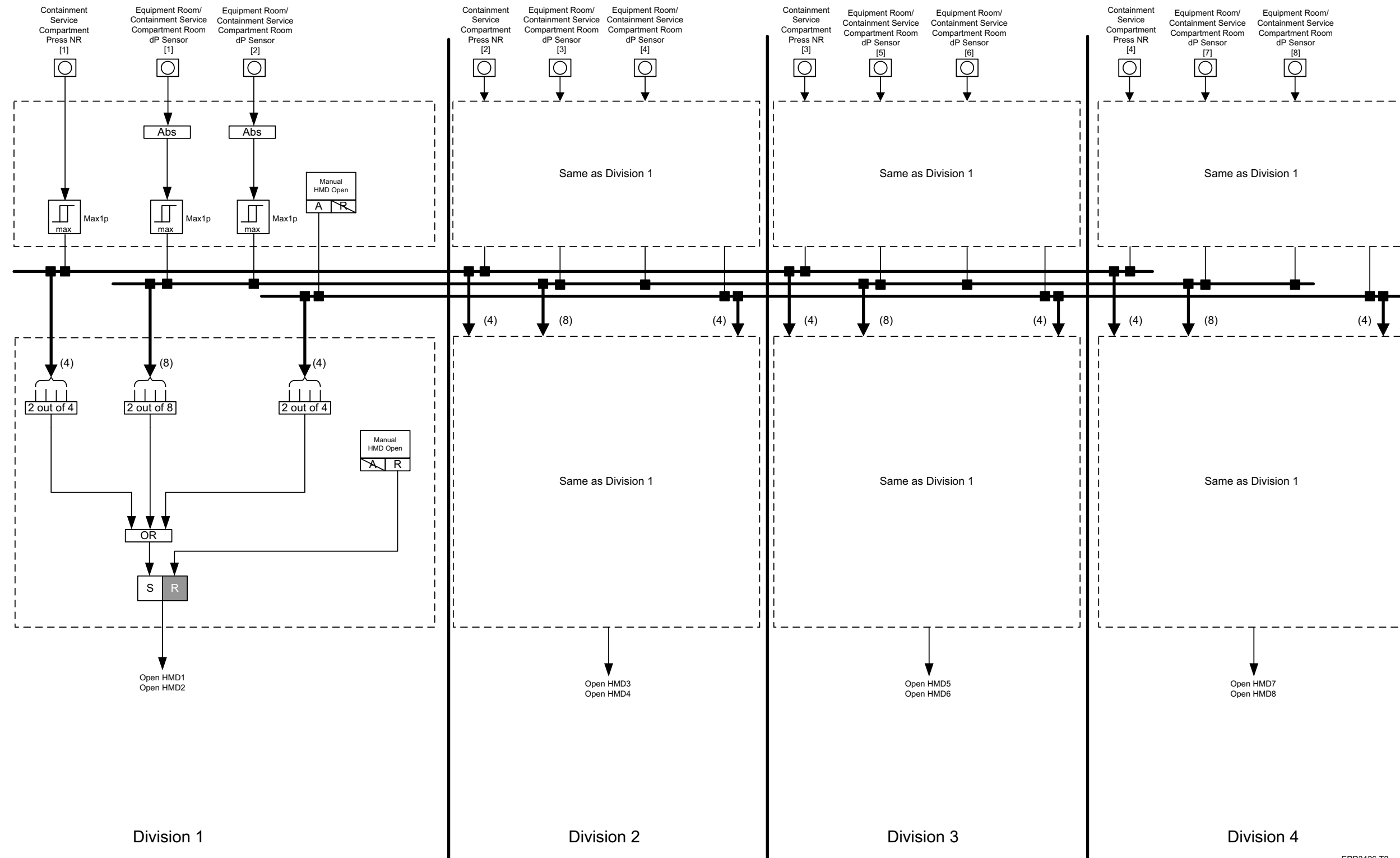
REV 003  
EPR3420 T2

Figure 7.3-29—Turbine Trip on Reactor Trip Initiation



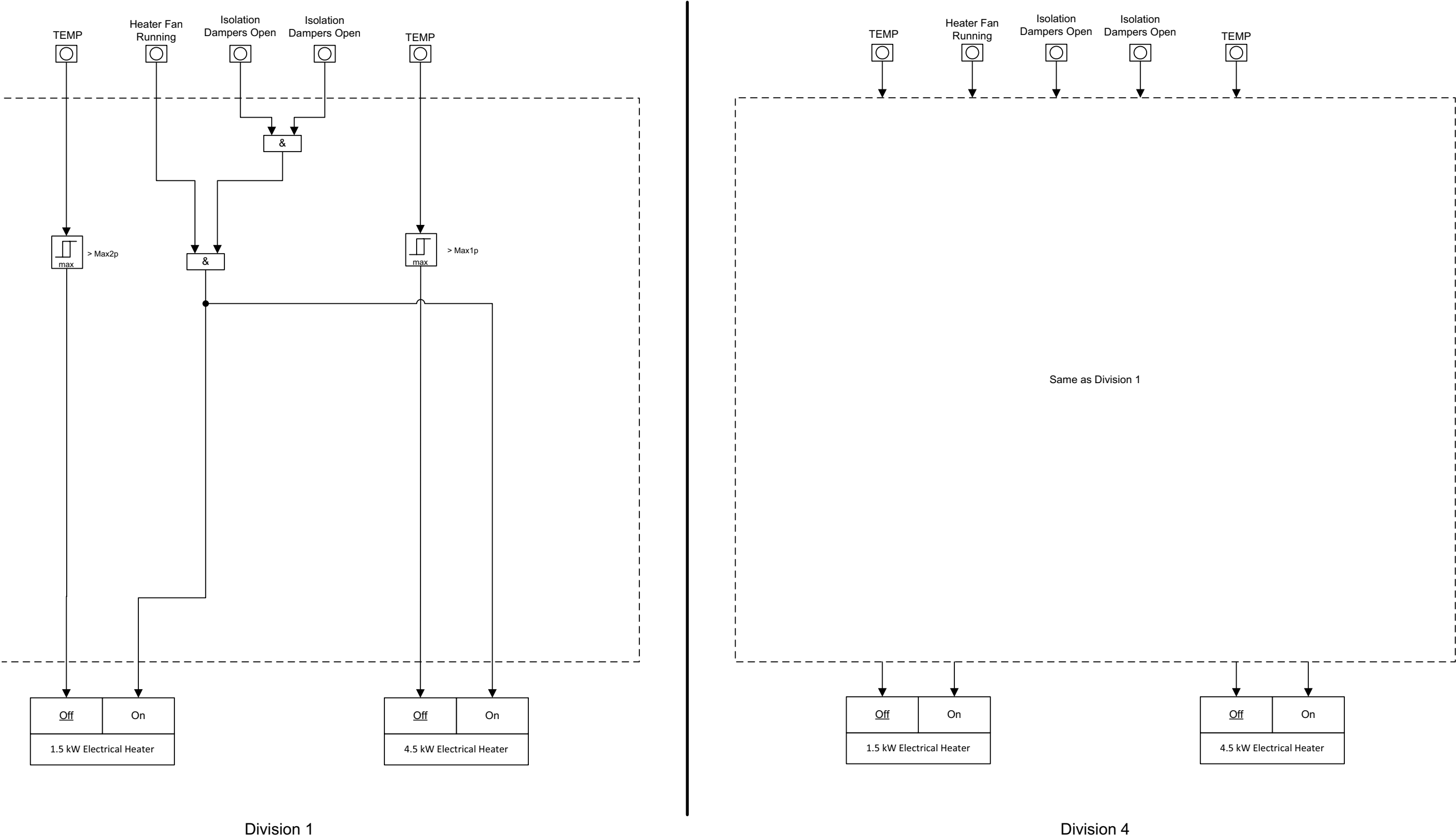
REV 003  
EPR3425 T2

Figure 7.3-30—Hydrogen Mixing Dampers Opening.



EPR3426 T2

Figure 7.3-31—AVS Accident Filtration Train Heater Control



EPR3476 T2

Figure 7.3-32—AVS Accident Train Switchover

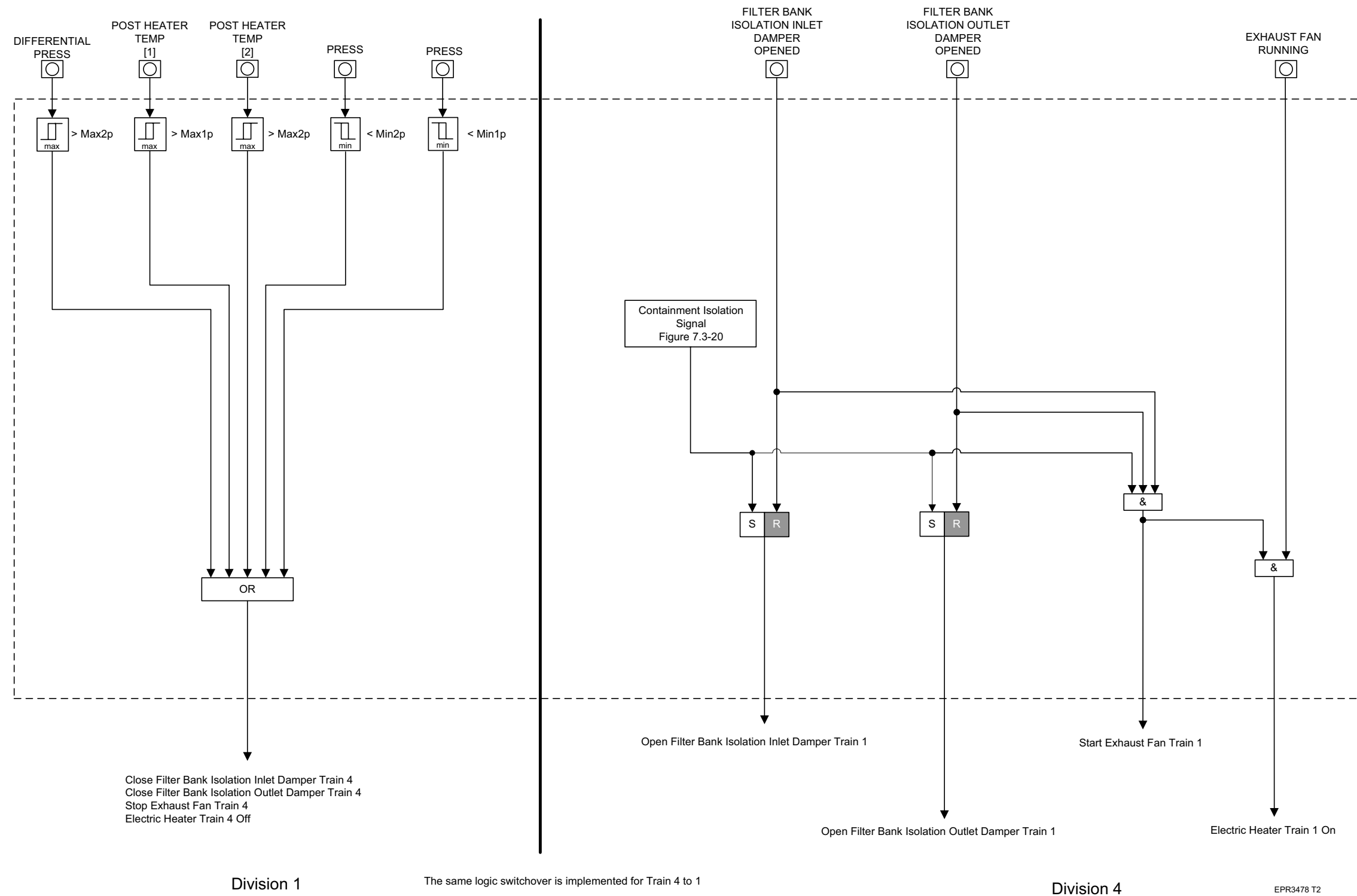
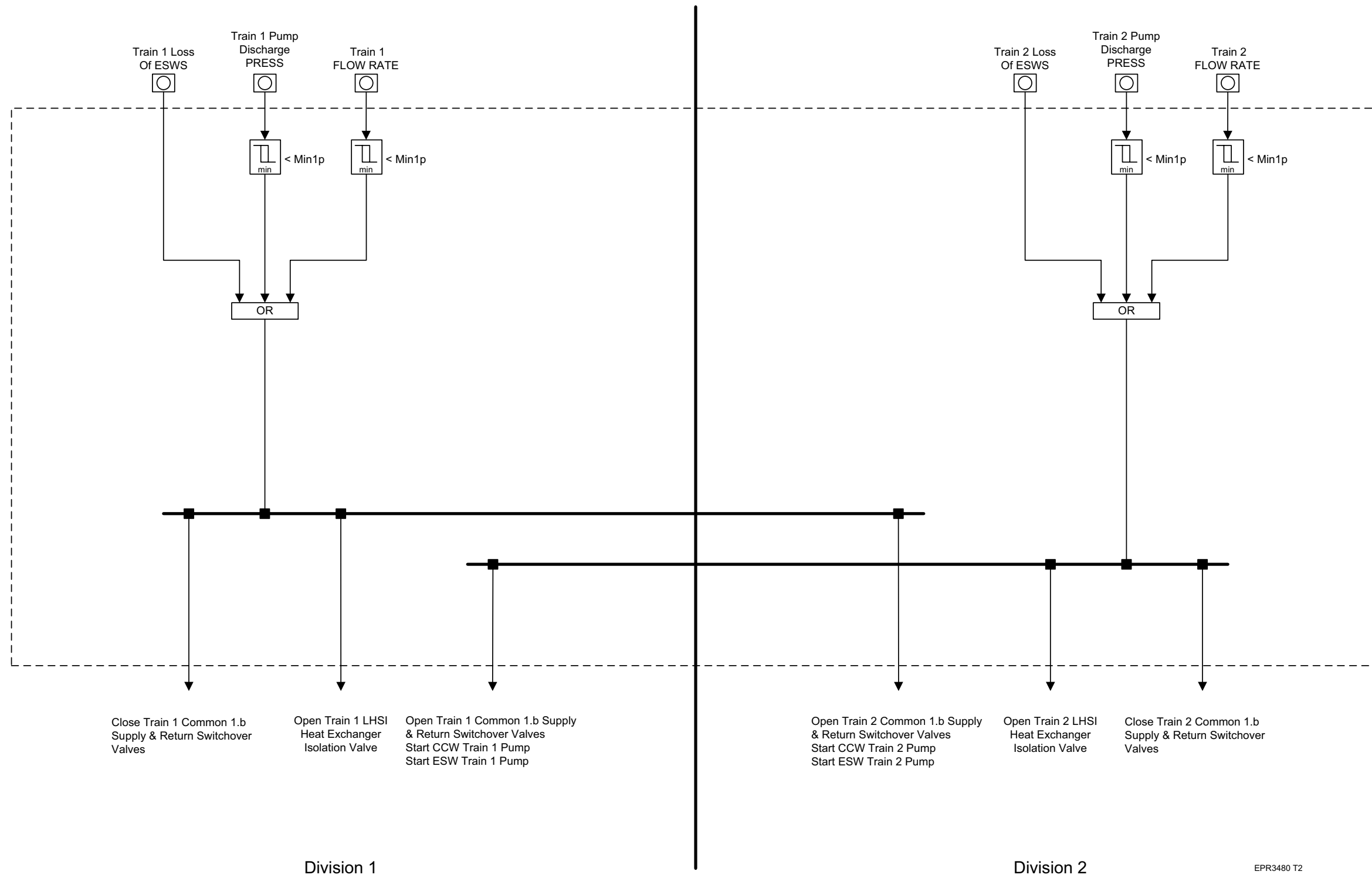


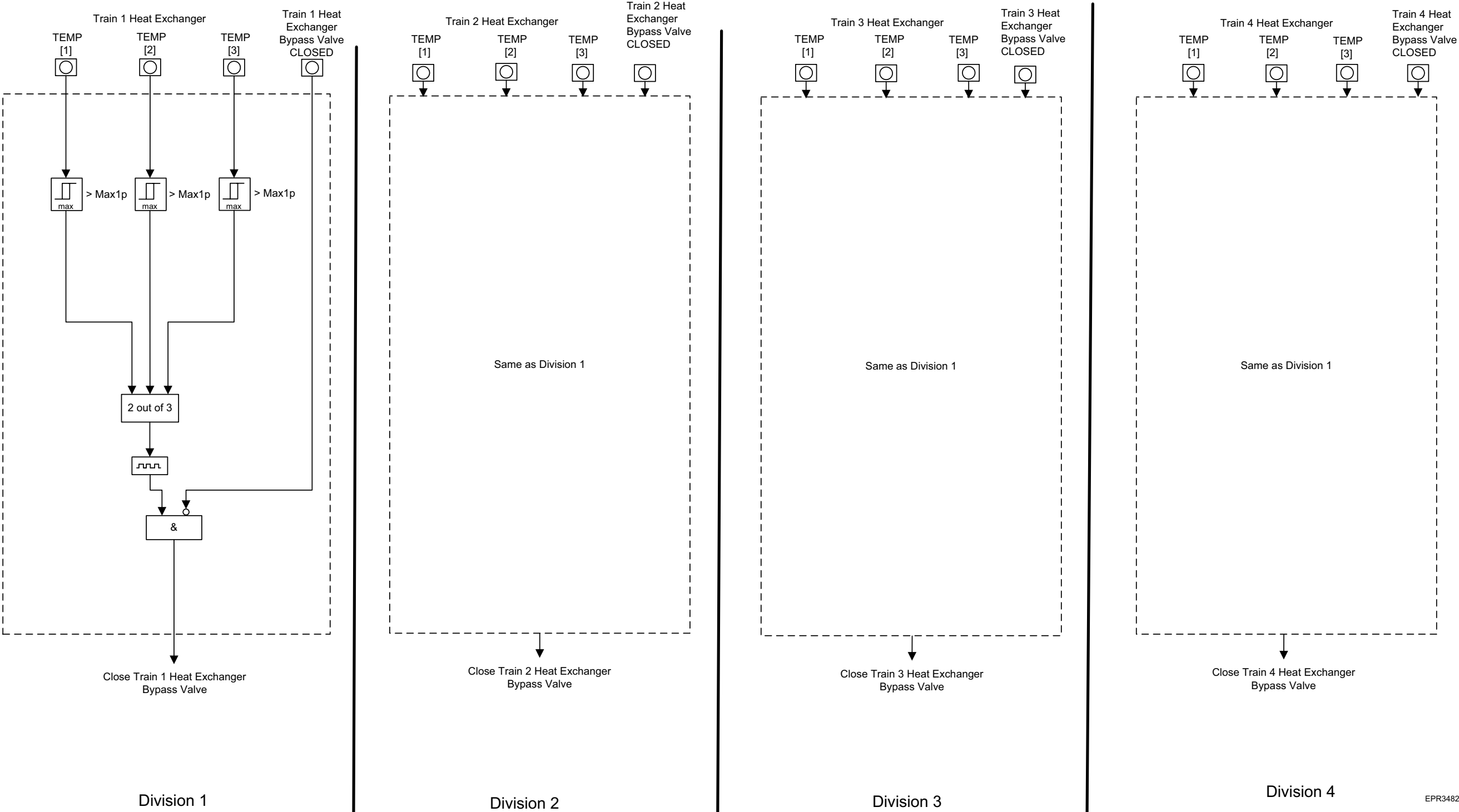
Figure 7.3-33—CCWS Common 1.b Automatic Backup Switchover of Train 1 to Train 2 and Train 2 to 1



EPR3480 T2

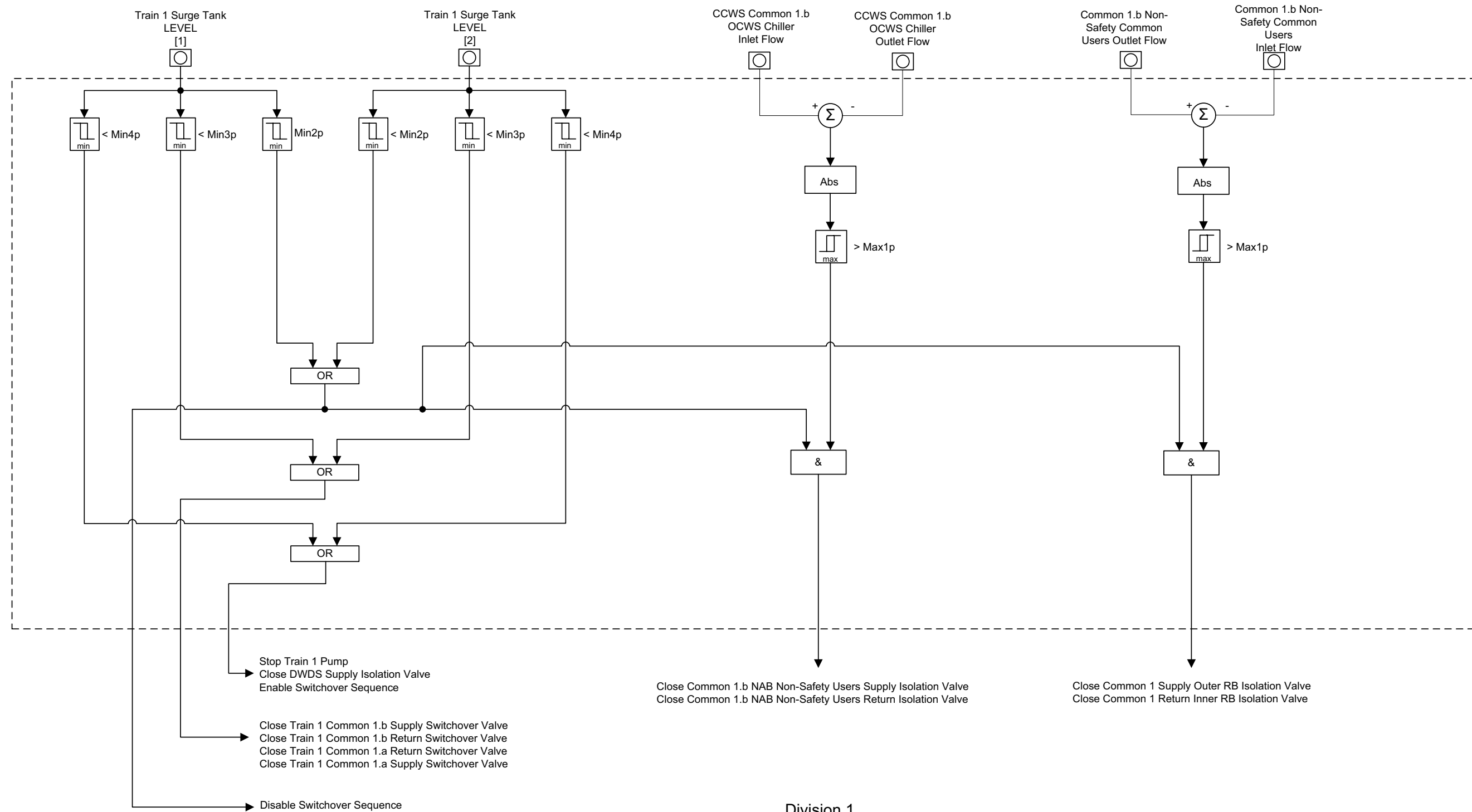


Figure 7.3-34—CCWS Emergency Temperature Control



EPR3482 T2

Figure 7.3-35—CCWS Emergency Leak Detection

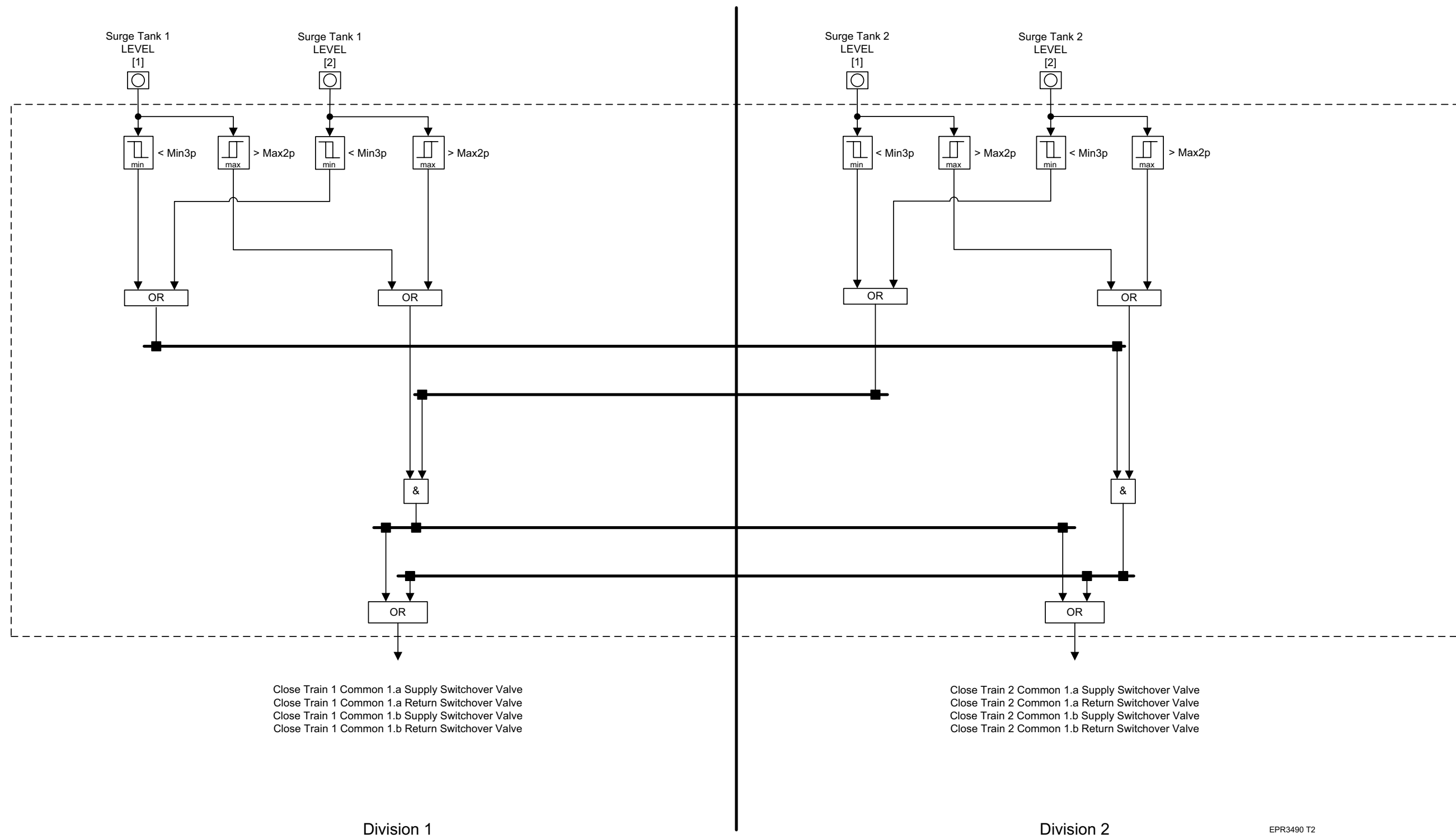


Division 1

The same logic is implemented for Divisions 2,3,& 4

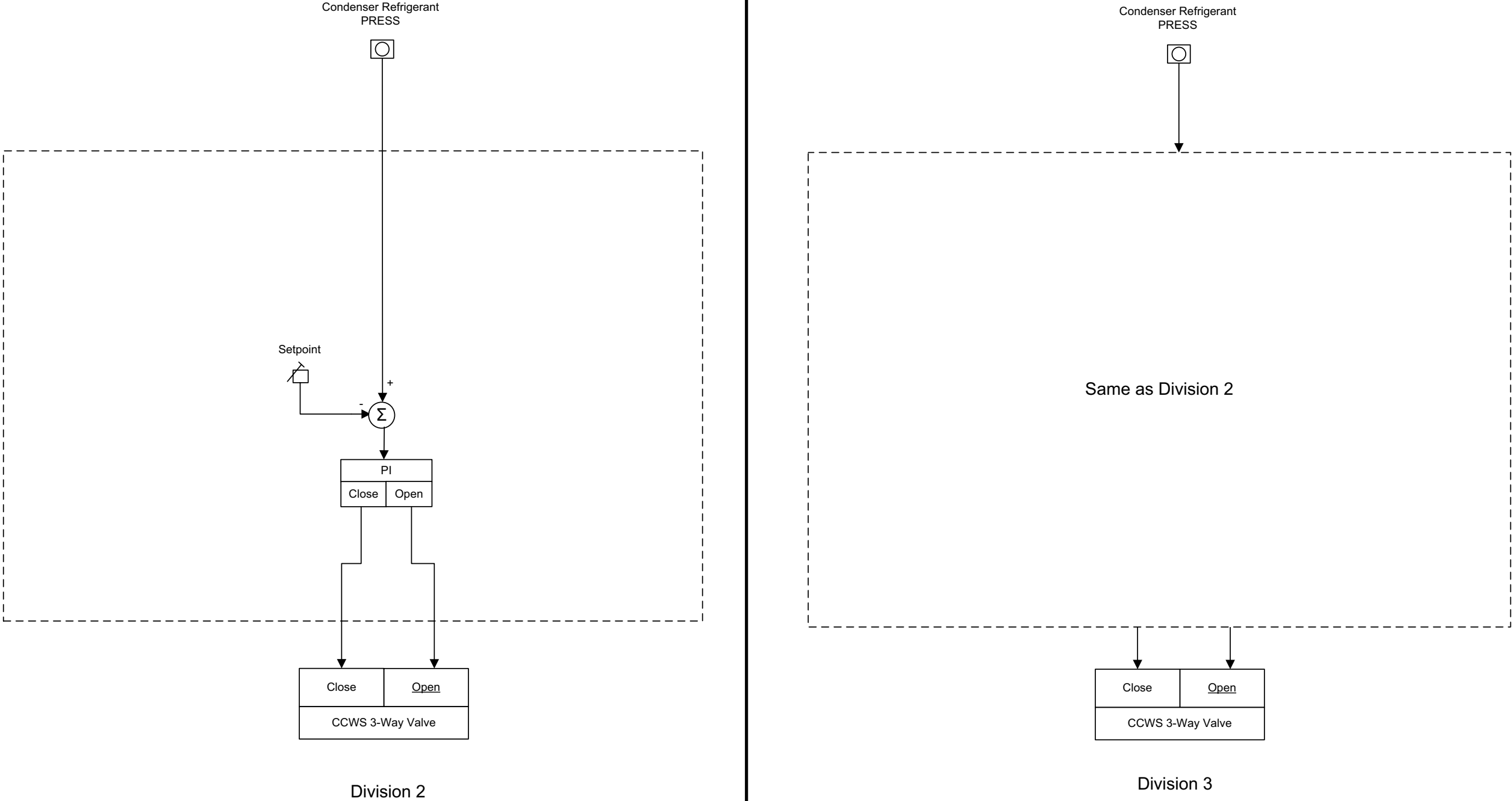
EPR3484 T2

Figure 7.3-36—CCWS Emergency Leak Detection - Switchover Valves Leakage or Failure



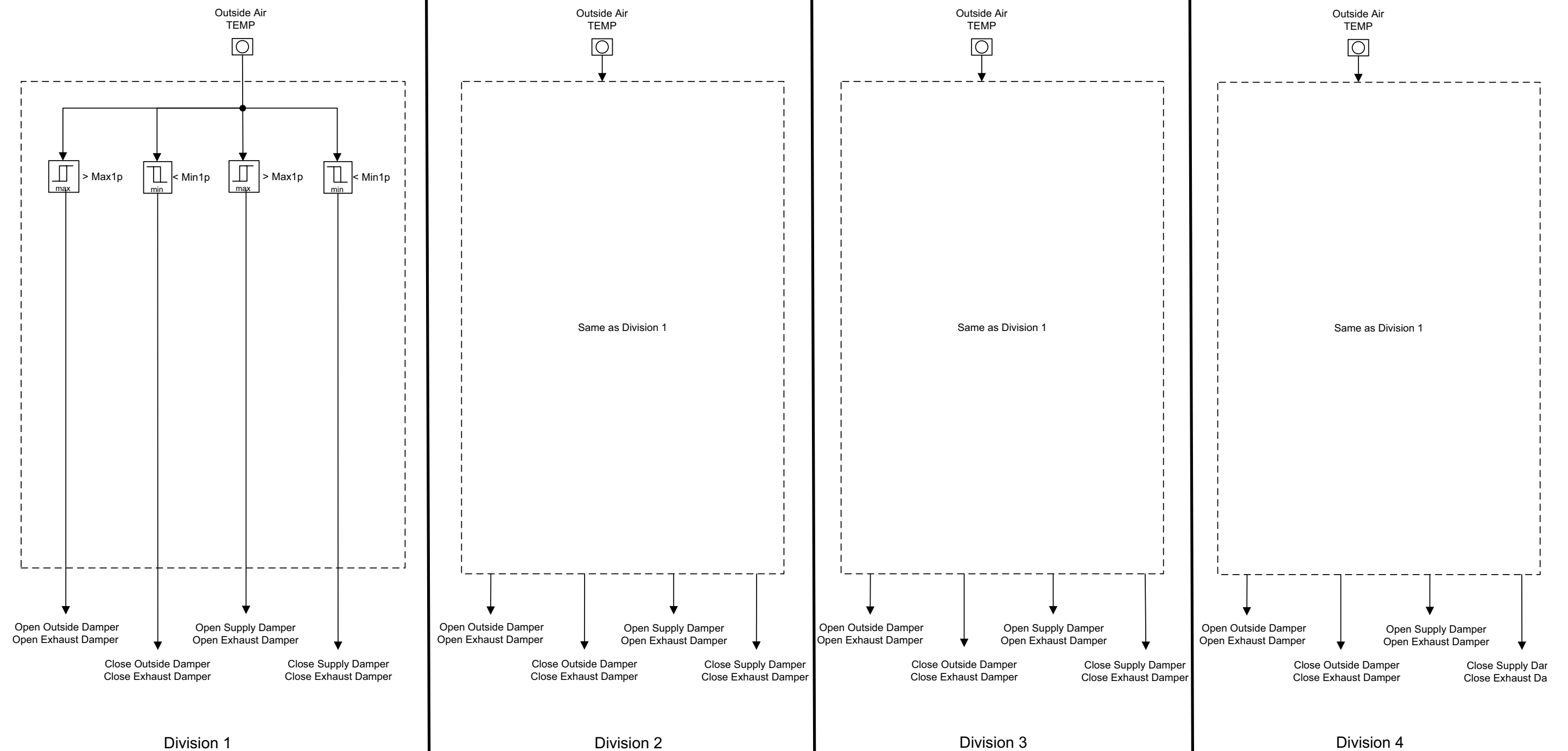
The same logic is implemented for Division 3 & 4

Figure 7.3-37—SCWS Condenser Supply Water Flow Control



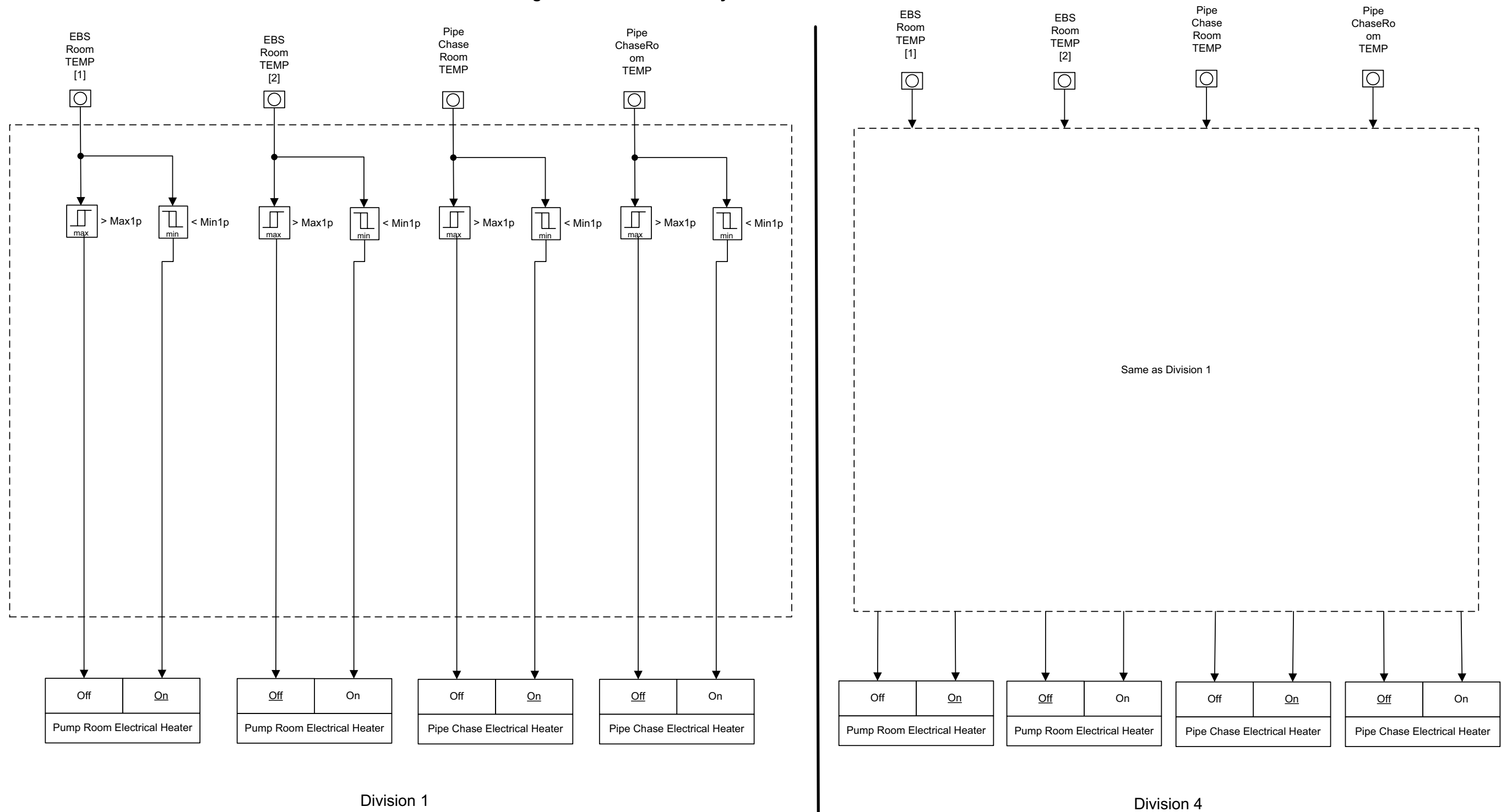
EPR3492 T2

Figure 7.3-38—ESWPBVS ESWS Pump Rooms Temperature Control



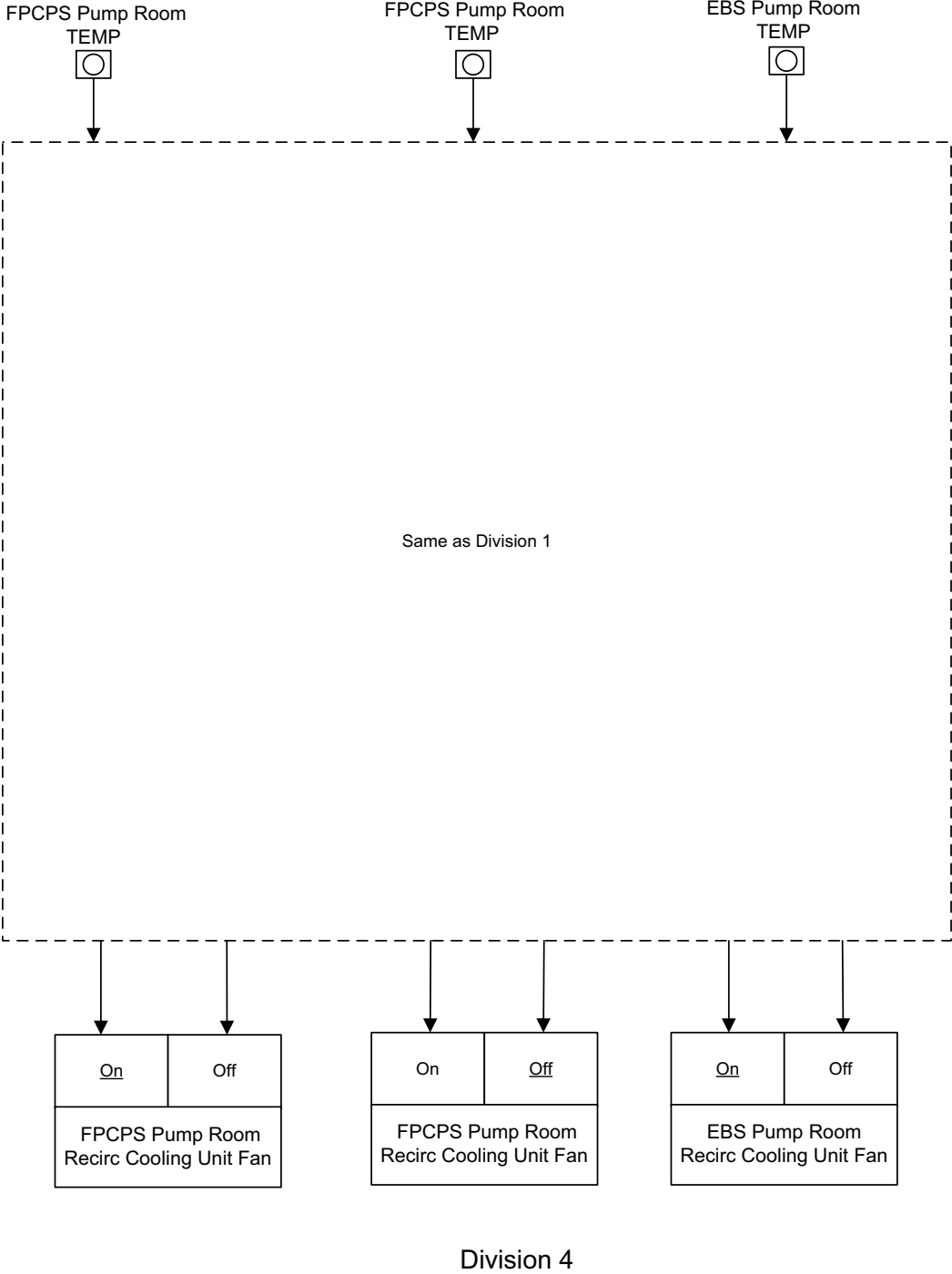
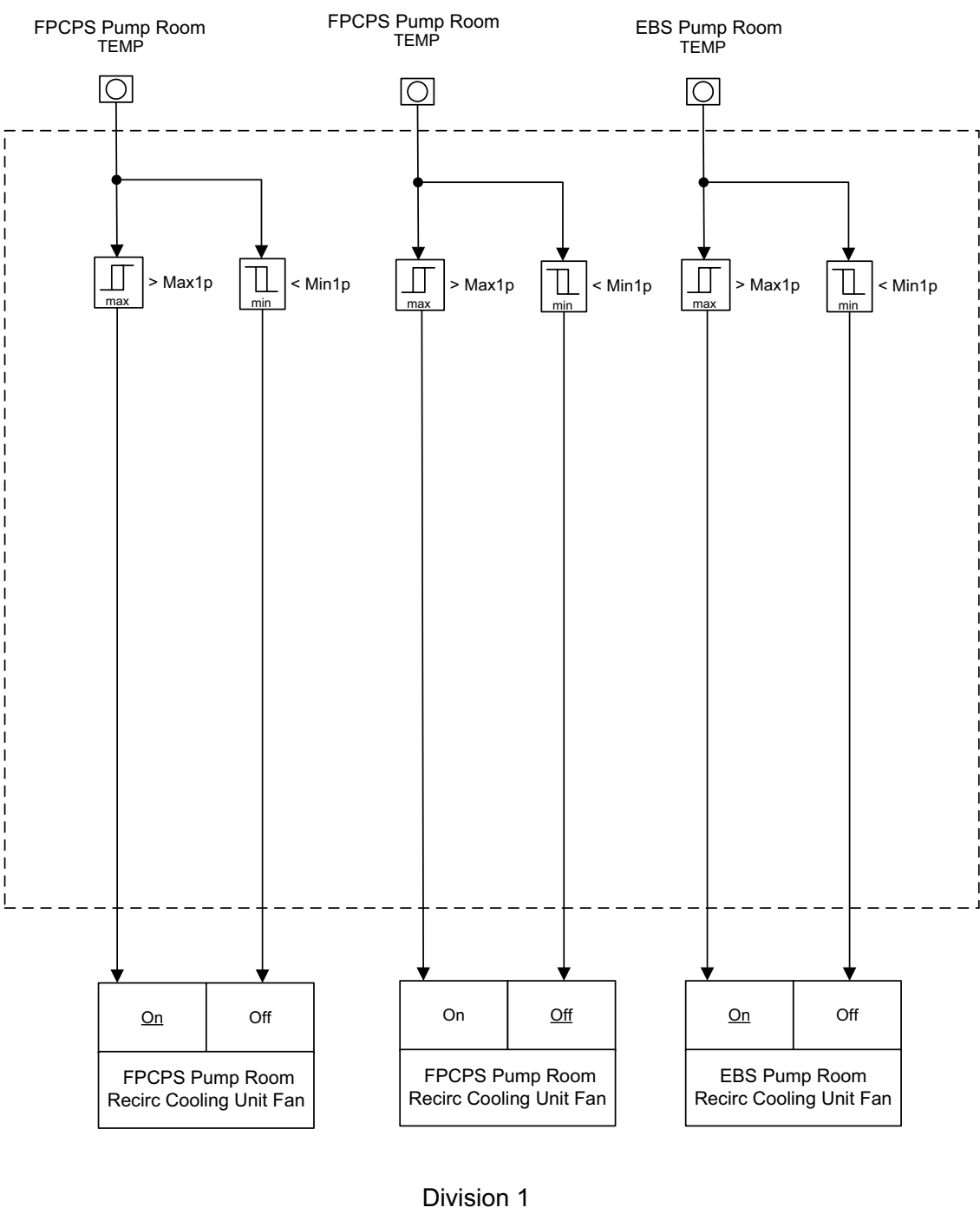
EPR3498 T2

Figure 7.3-39—FBVS Safety-Related Rooms Heater Control



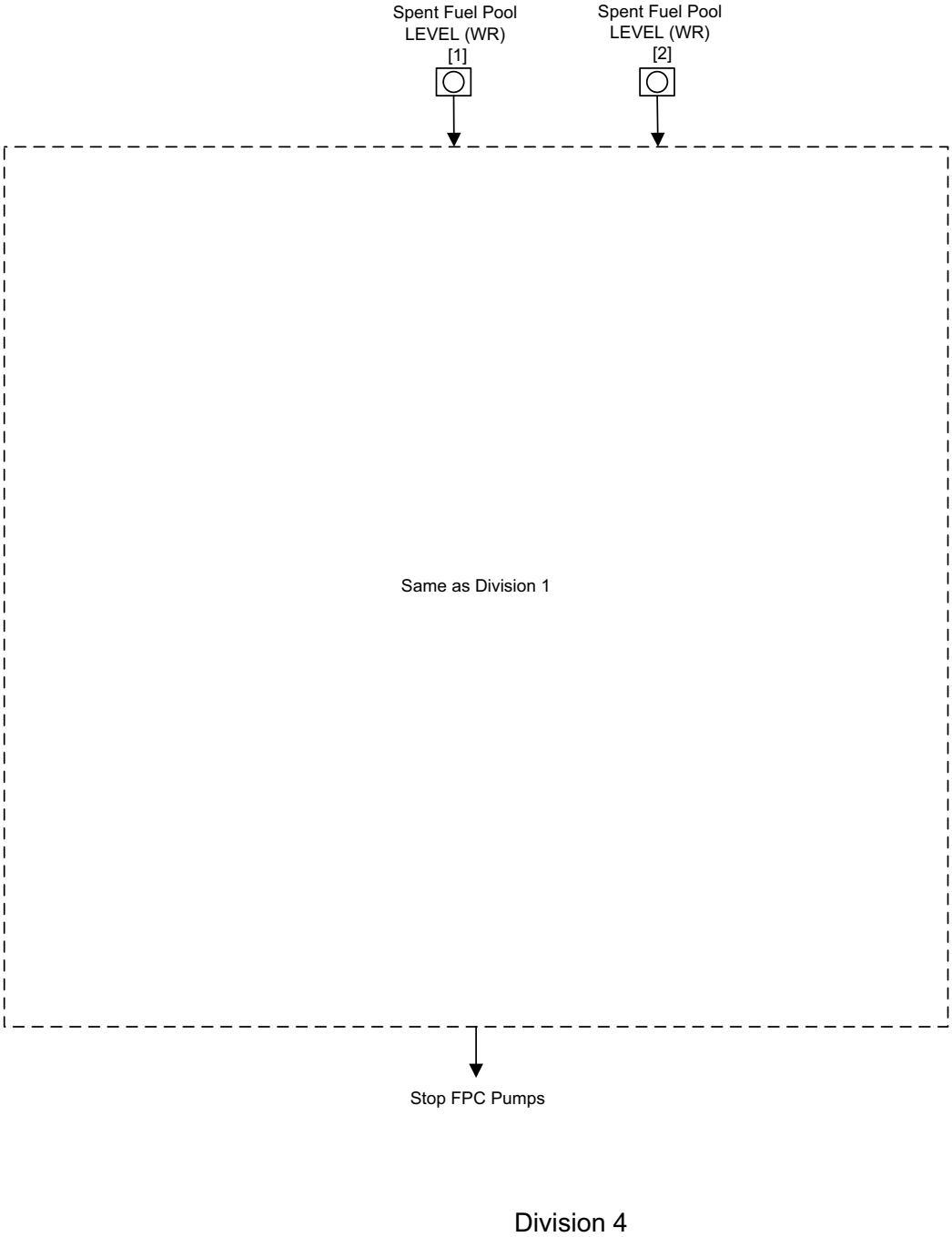
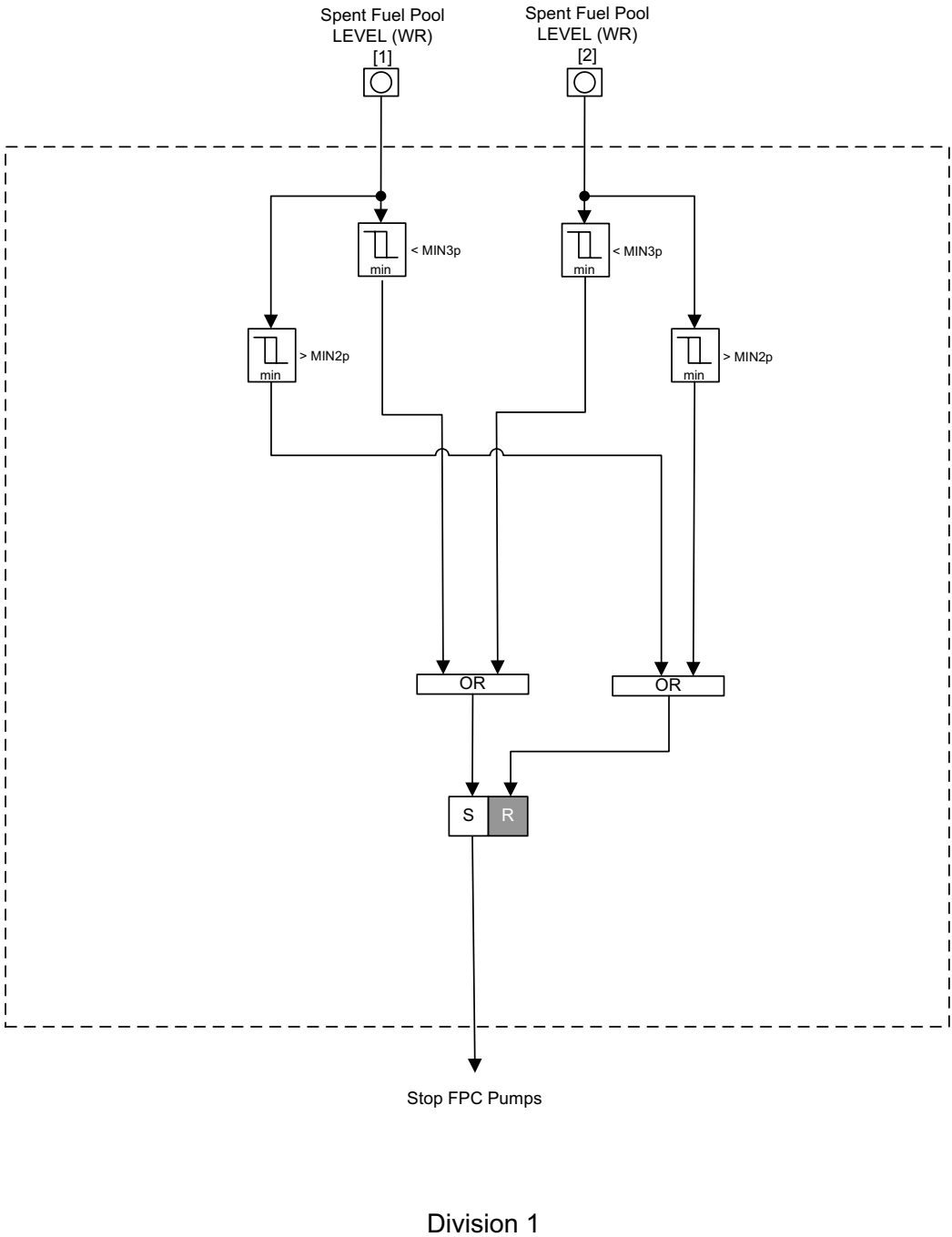
EPR3500 T2

Figure 7.3-40—FBVS EBS / FPCS Pump Rooms Heat Removal



EPR3502 T2

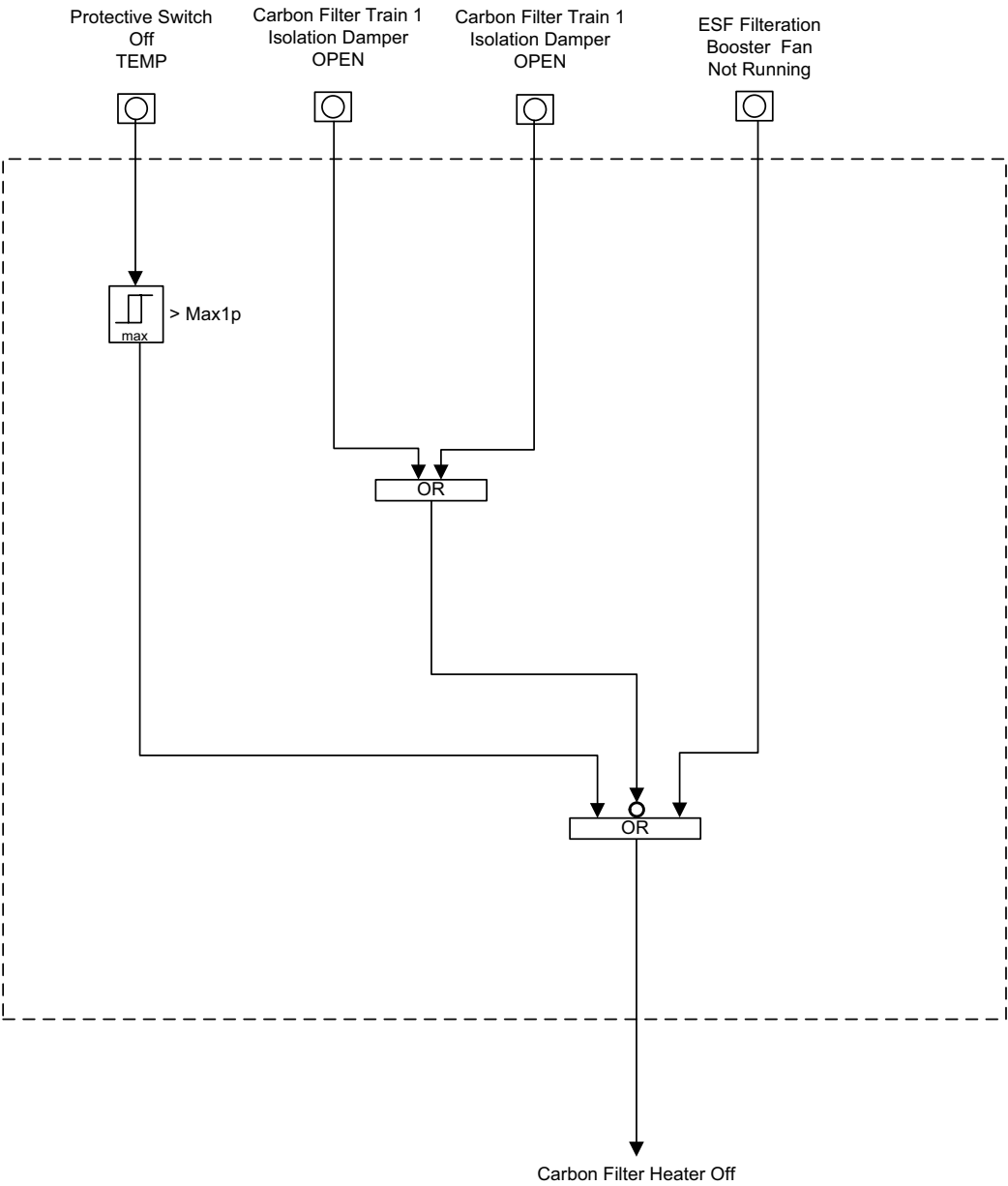
Figure 7.3-41—FPCPS Pump Trip on Low SFP Level



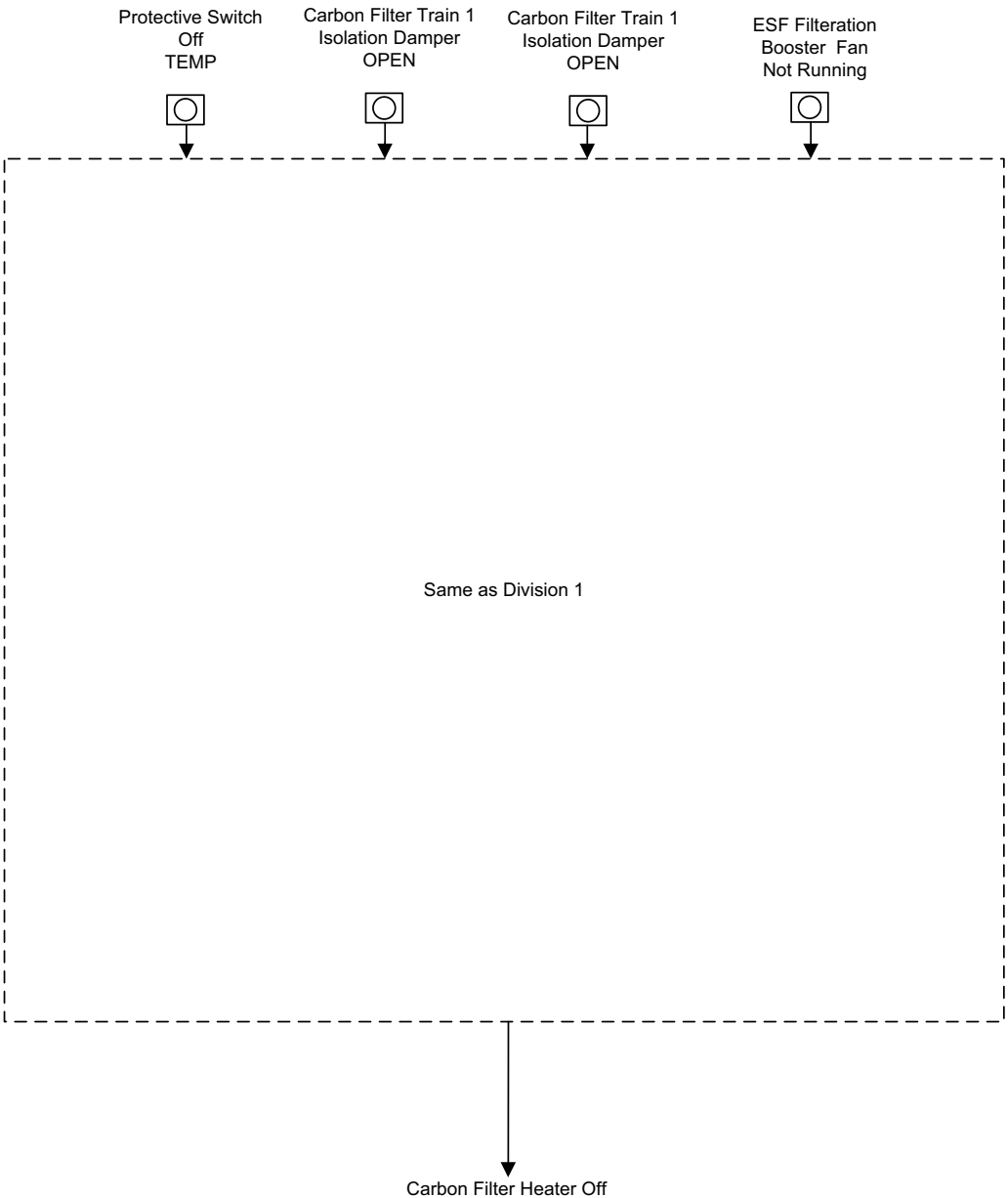
EPR3504 T2



Figure 7.3-42—CRACS Iodine Filtration Train Heater Control



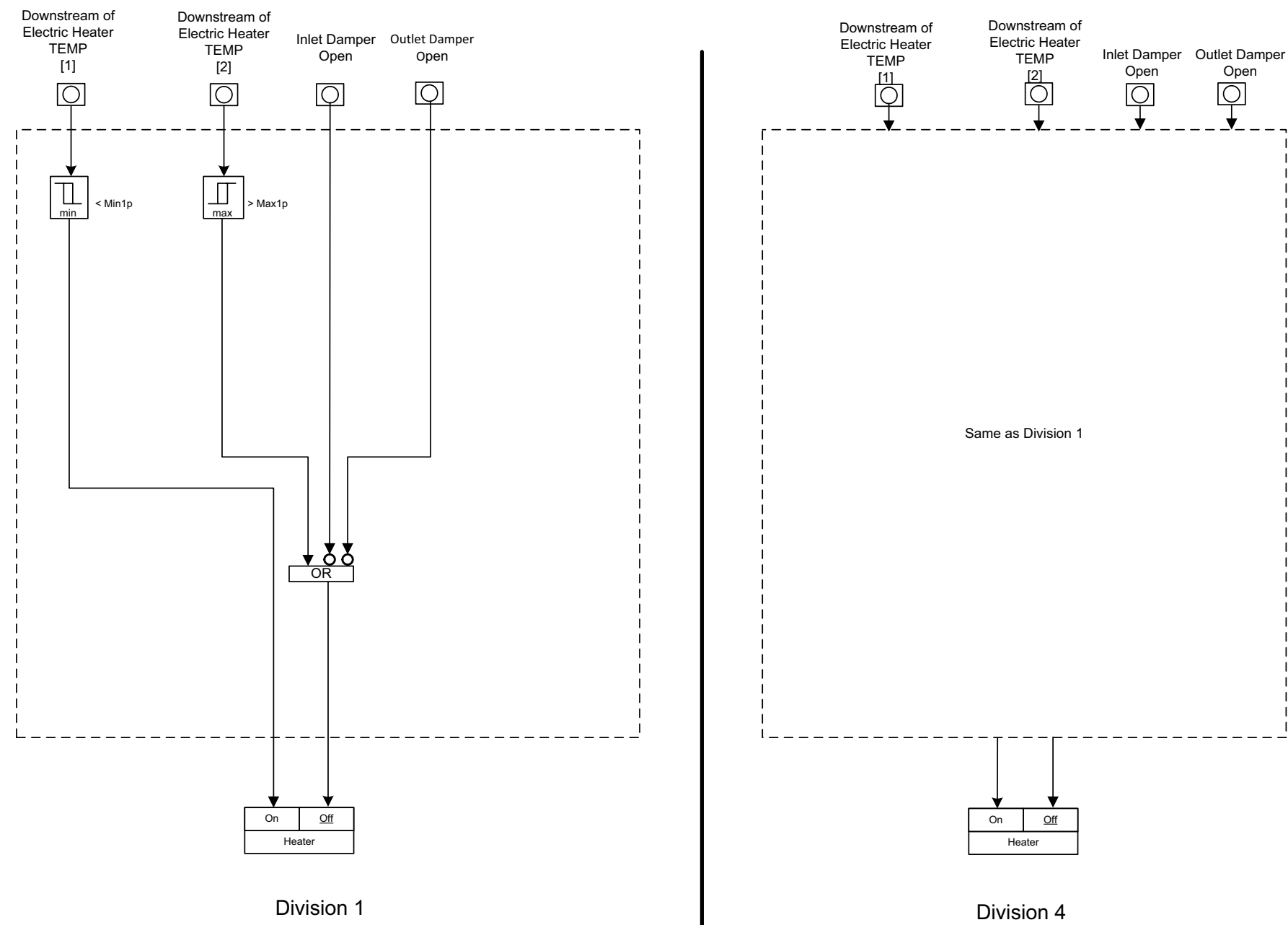
Division 1



Division 4

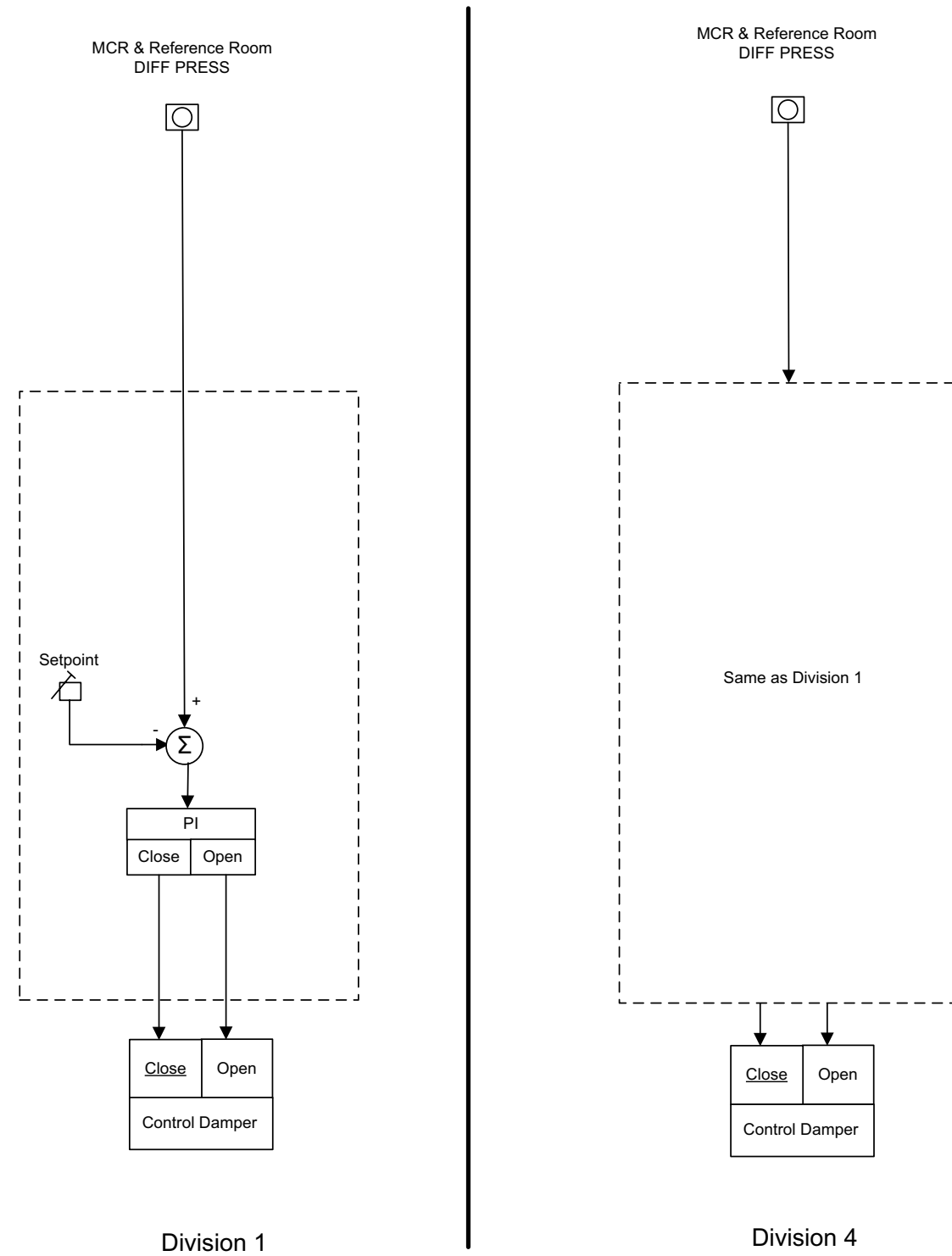
EPR3508 T2

Figure 7.3-43—CRACS Heater Control for Outside Inlet Air



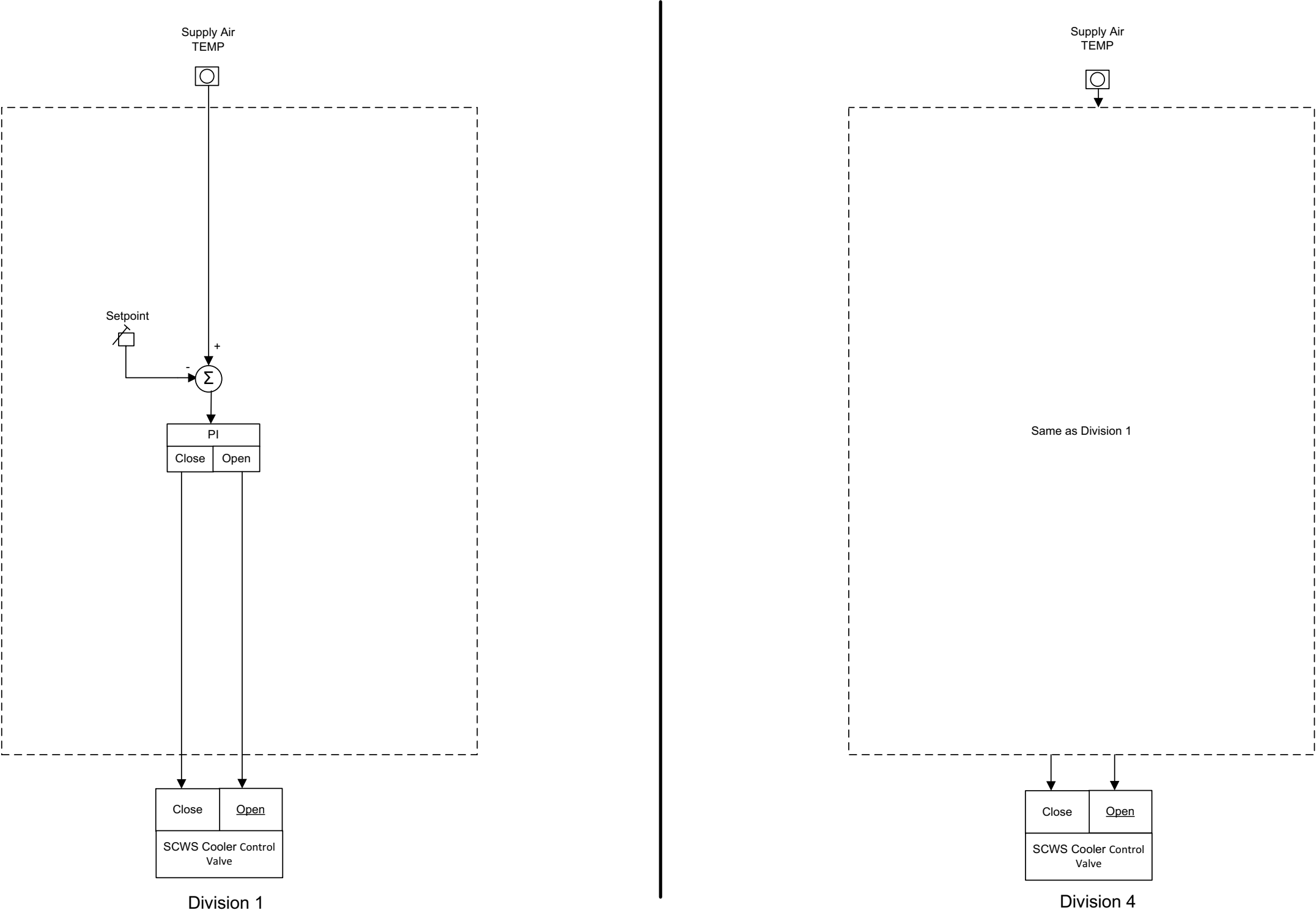
EPR3510 T2

Figure 7.3-44—CRACS Pressure Control



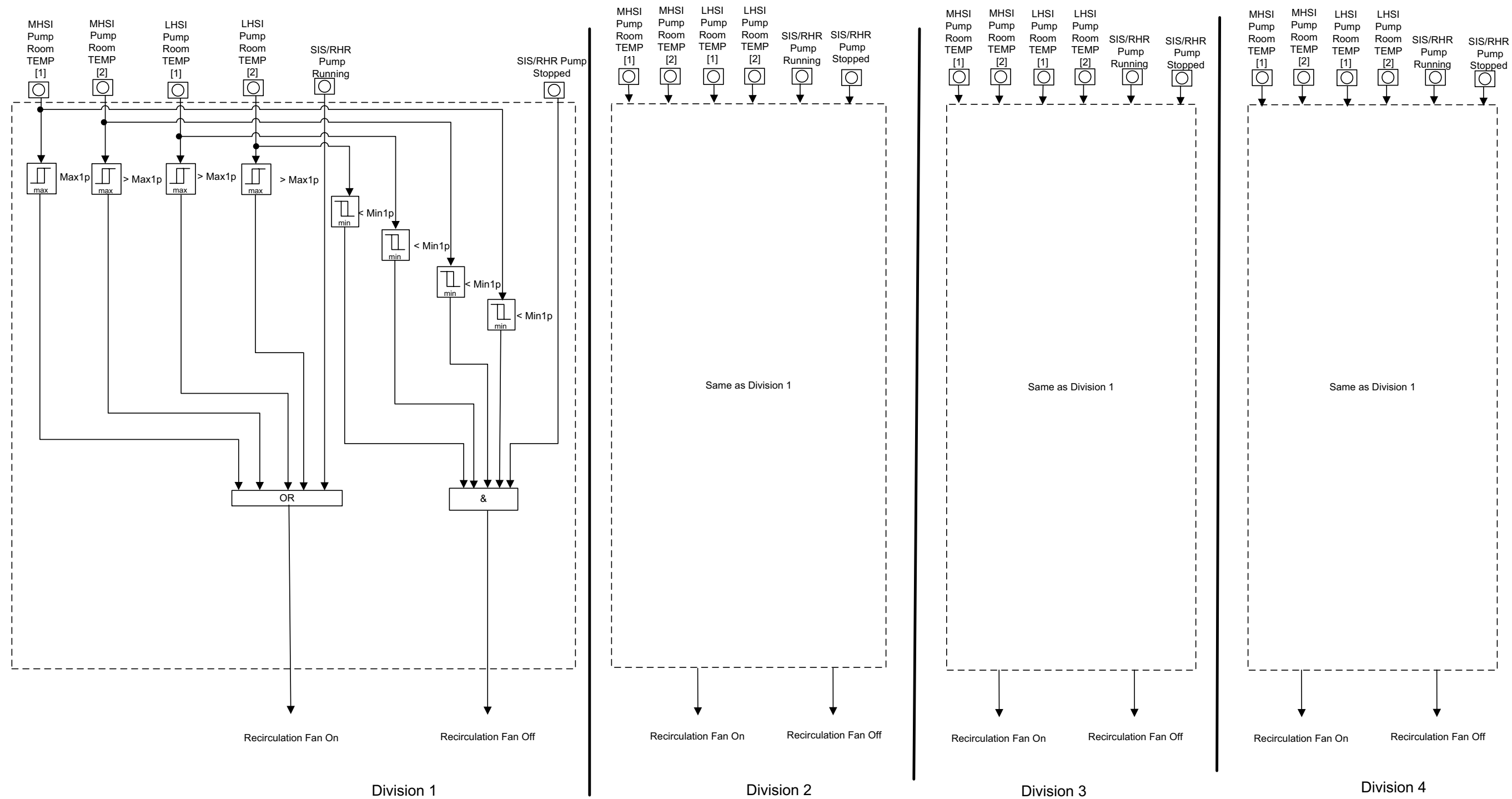
EPR3512 T2

Figure 7.3-45—CRACS Cooler Temperature Control



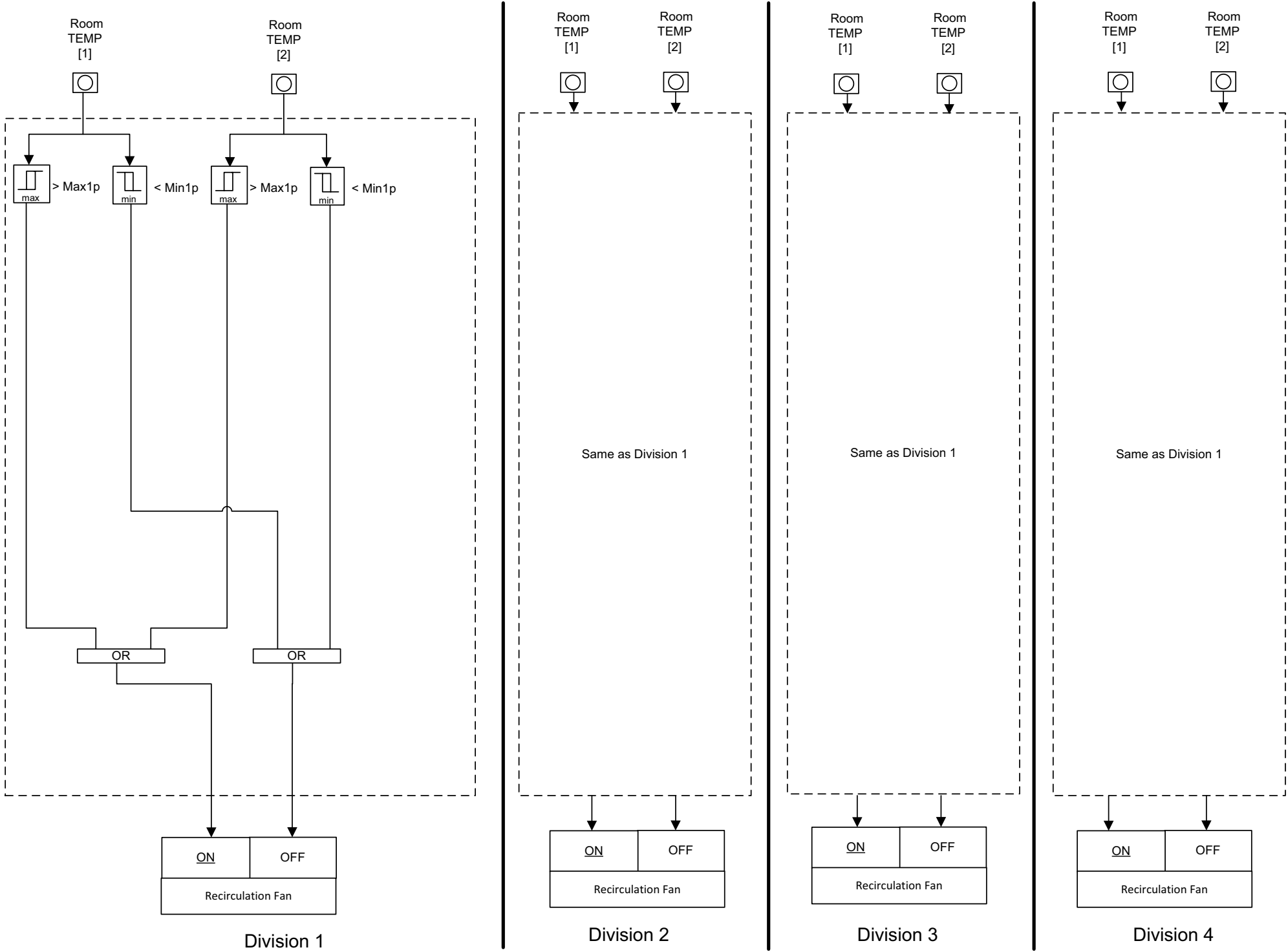
EPR3514 T2

Figure 7.3-46—SBVS SIS / RHR Pump Rooms Heat Removal



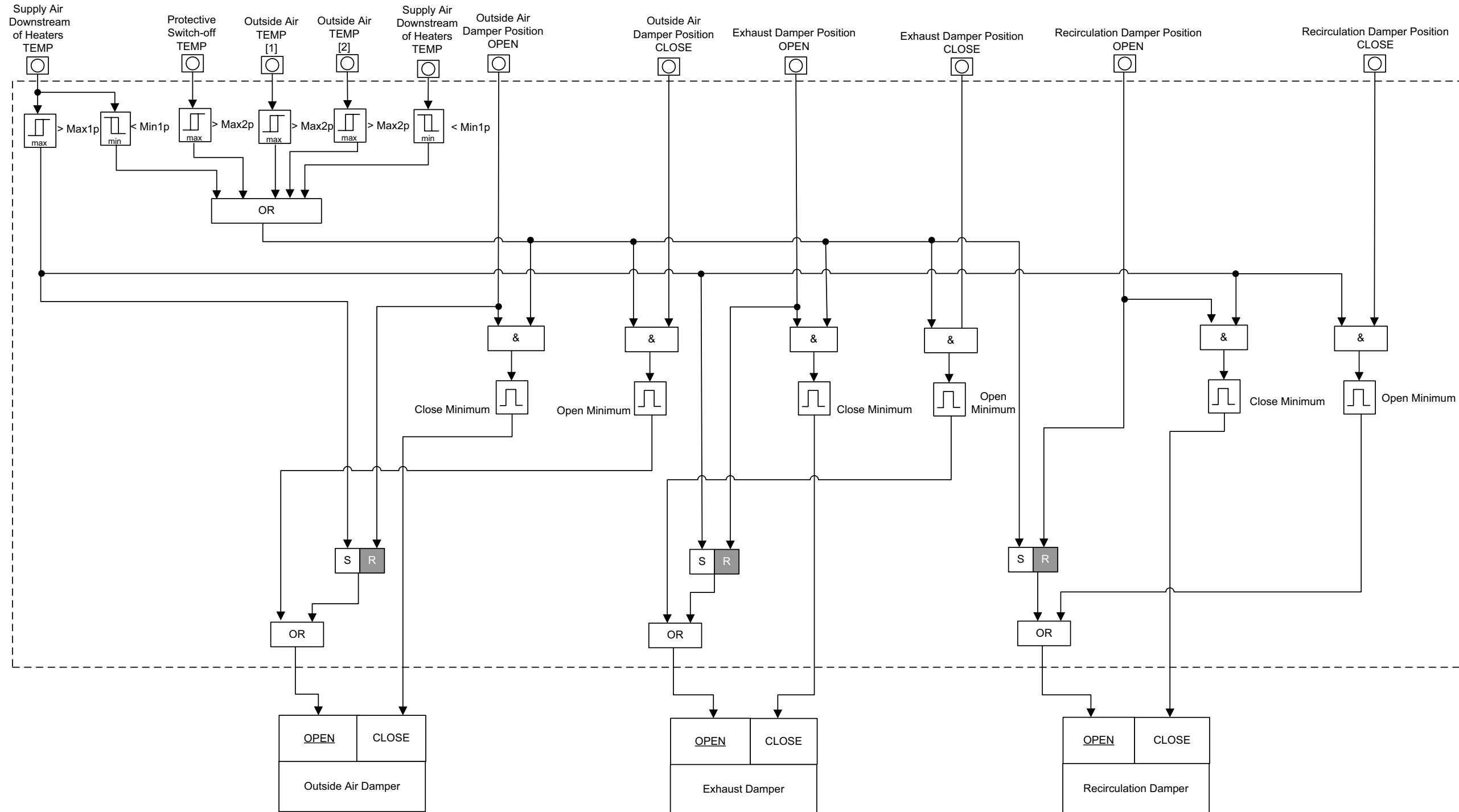
EPR3518 T2

Figure 7.3-47—SBVS CCWS / EFWS Valve Rooms Heat Removal



EPR3520 T2

Figure 7.3-48—SBVSE Supply and Recirculation-Exhaust Air Flow Control

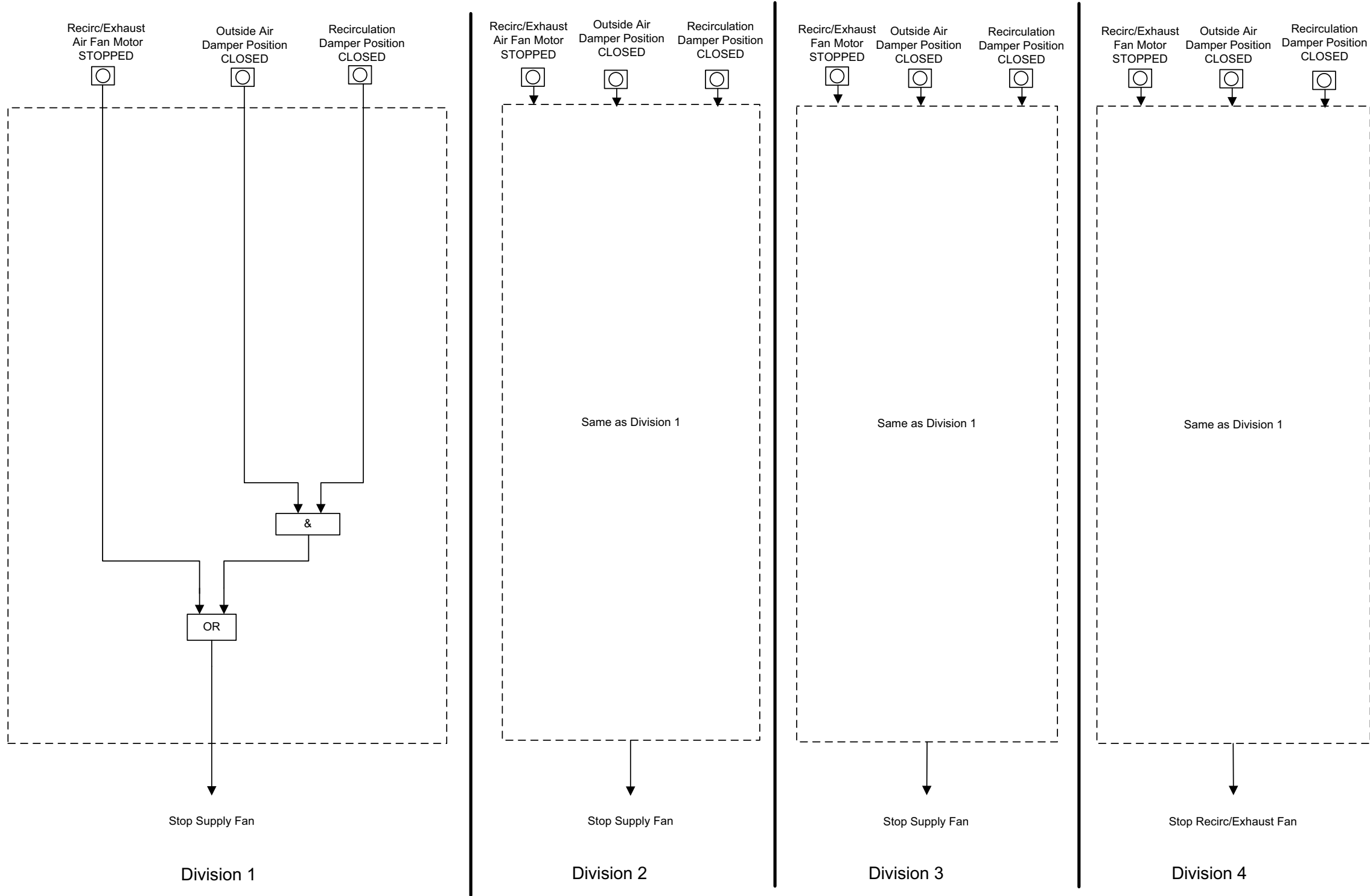


Division 1

The same logic is implemented for Divisions 2,3,& 4

EPR3522 T2

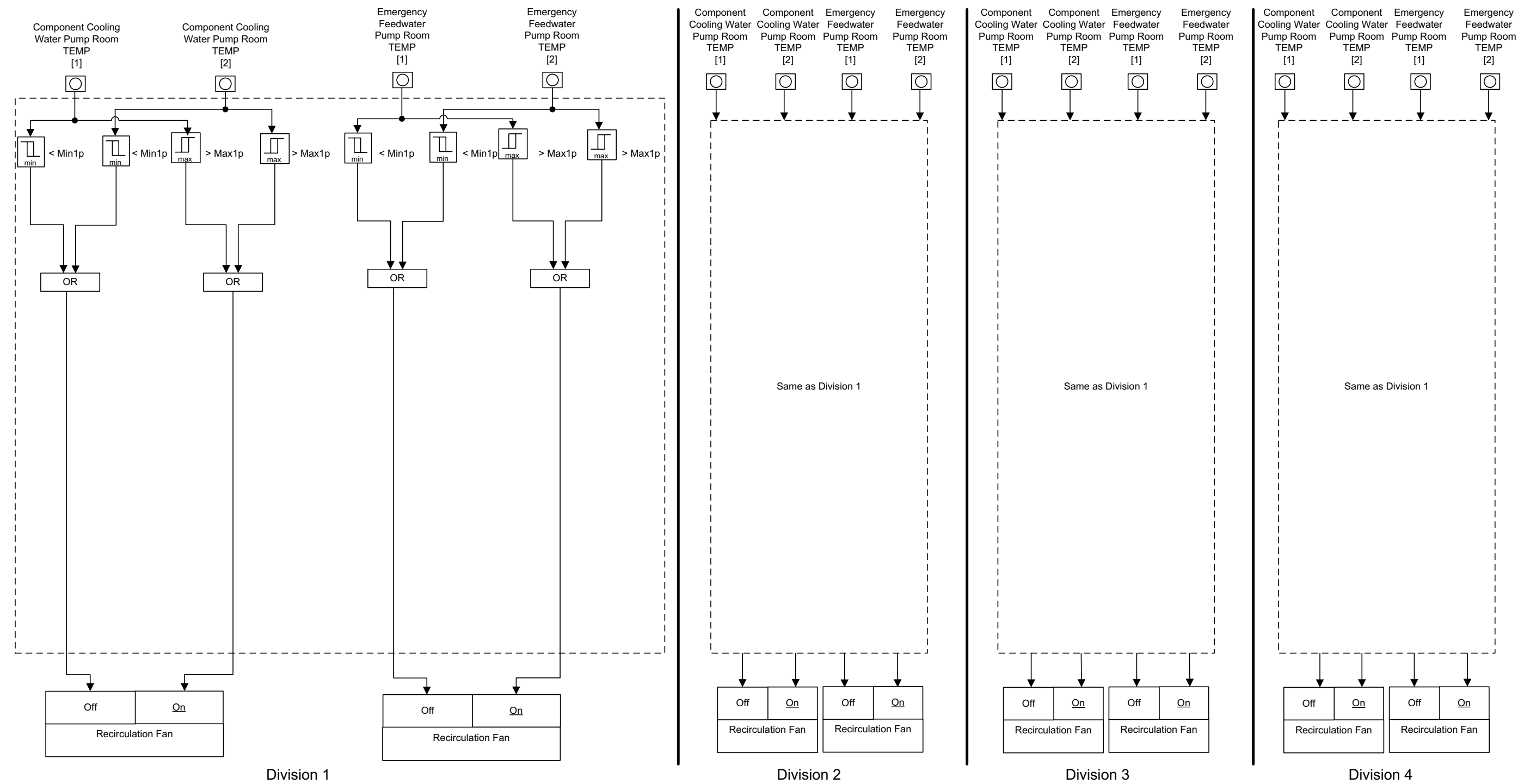
Figure 7.3-49—SBVSE Supply Fan Safe Shut-Off



EPR3524 T2

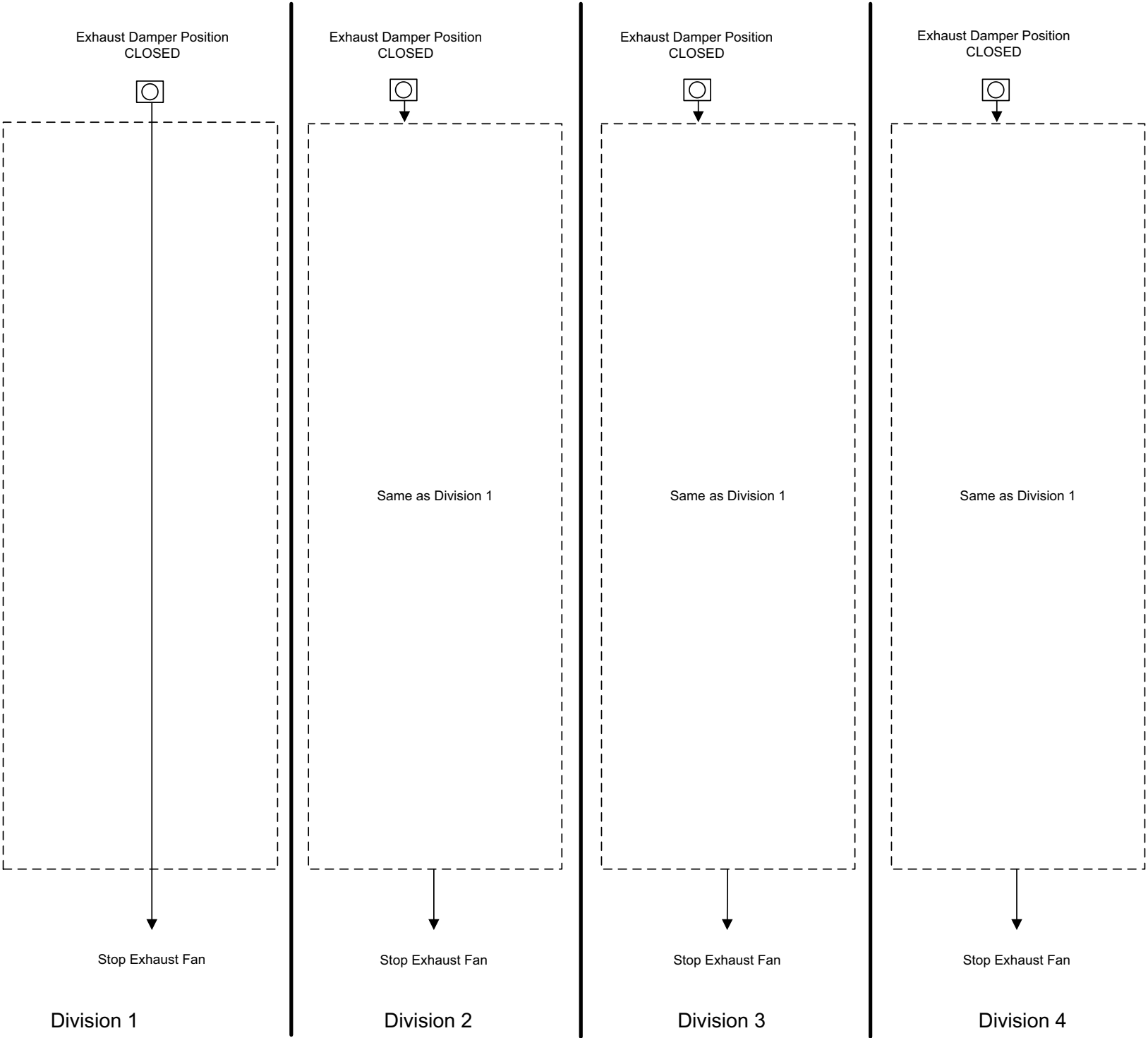


Figure 7.3-50—SBVSE Recirculation Fan Safe Shut-Off



EPR3526 T2

Figure 7.3-51—SBVSE Exhaust Fan Safe Shut-Off



EPR3528 T2

Figure 7.3-52—SBVSE Supply Air Temperature Heater Control

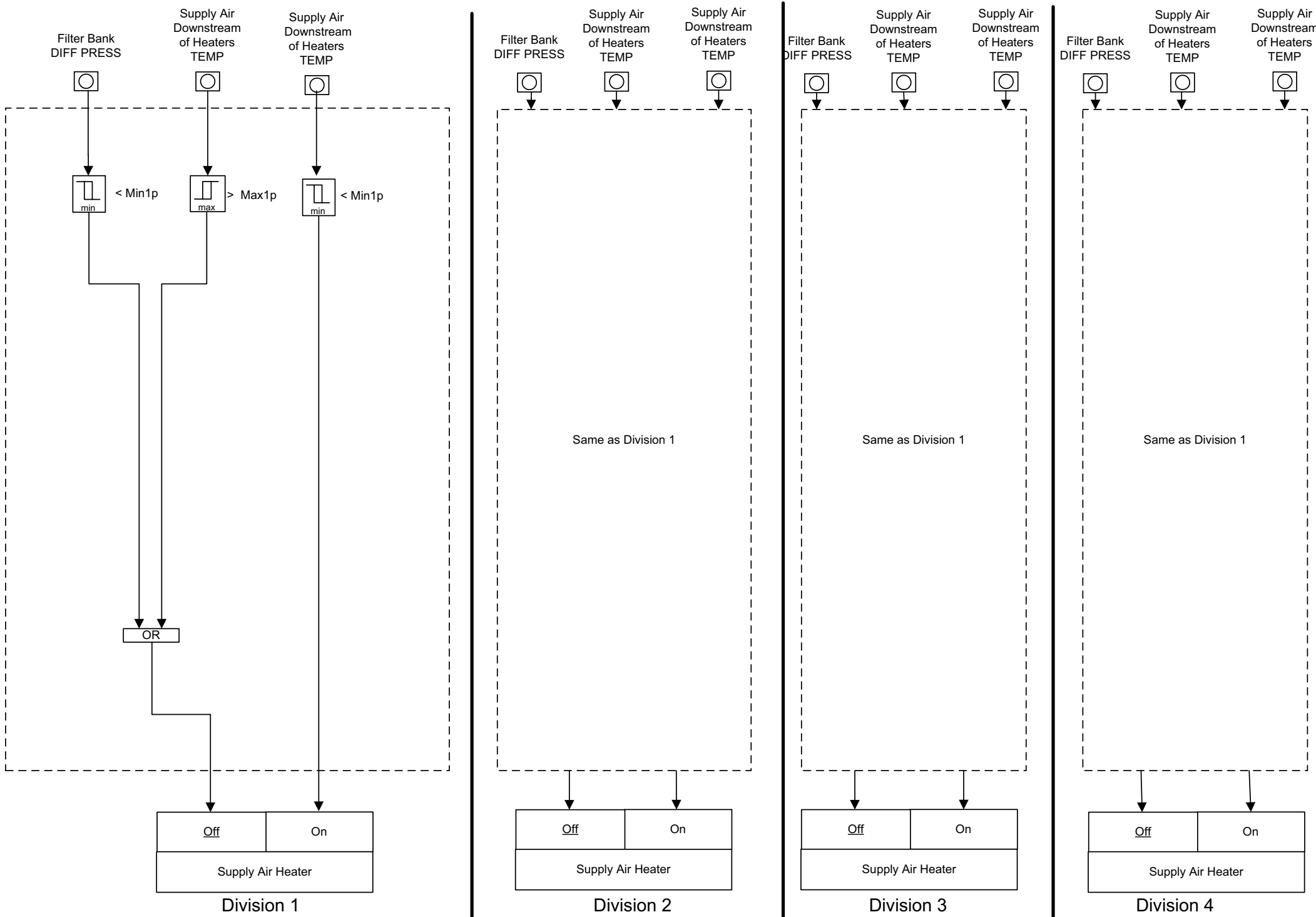
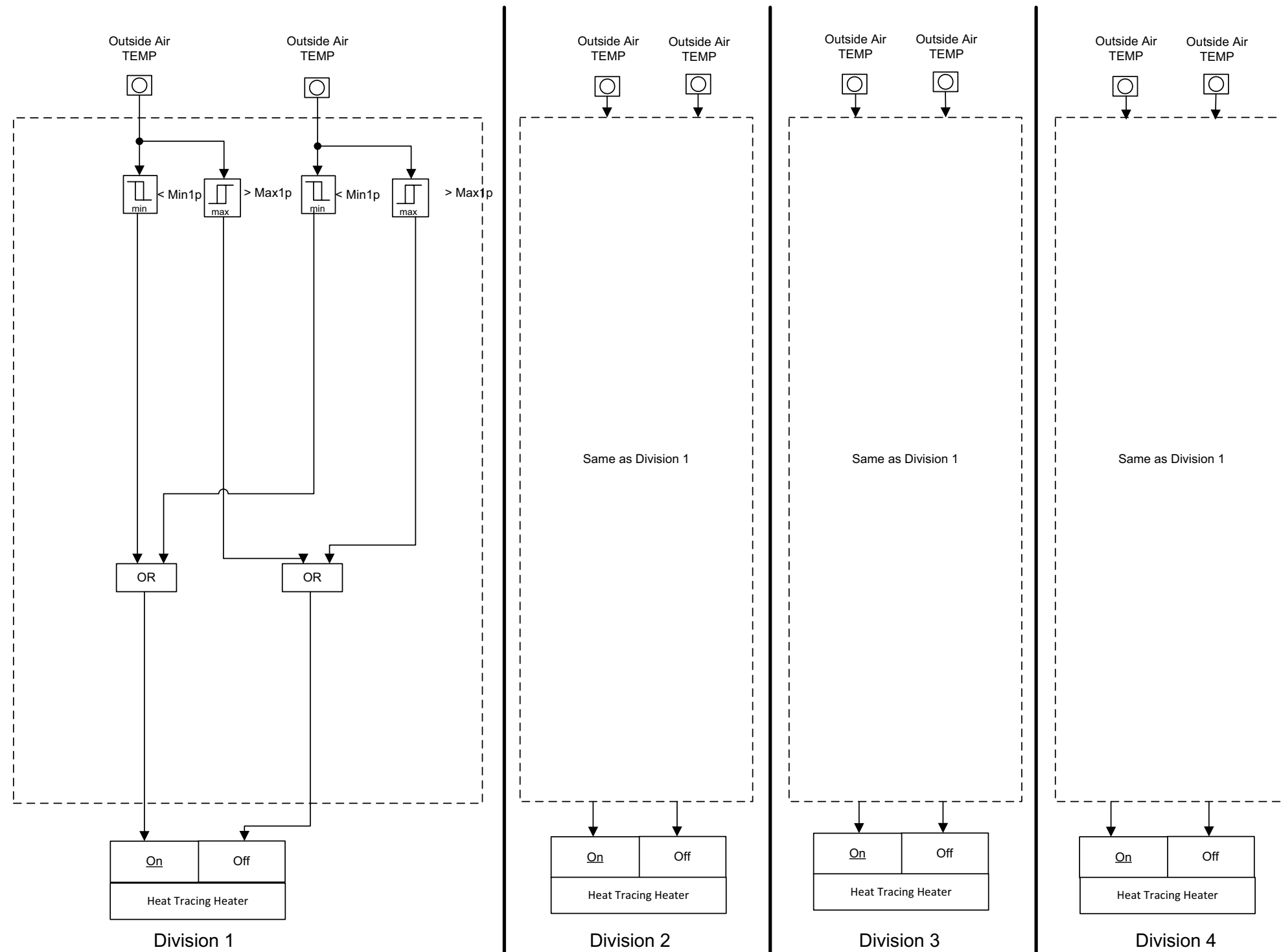
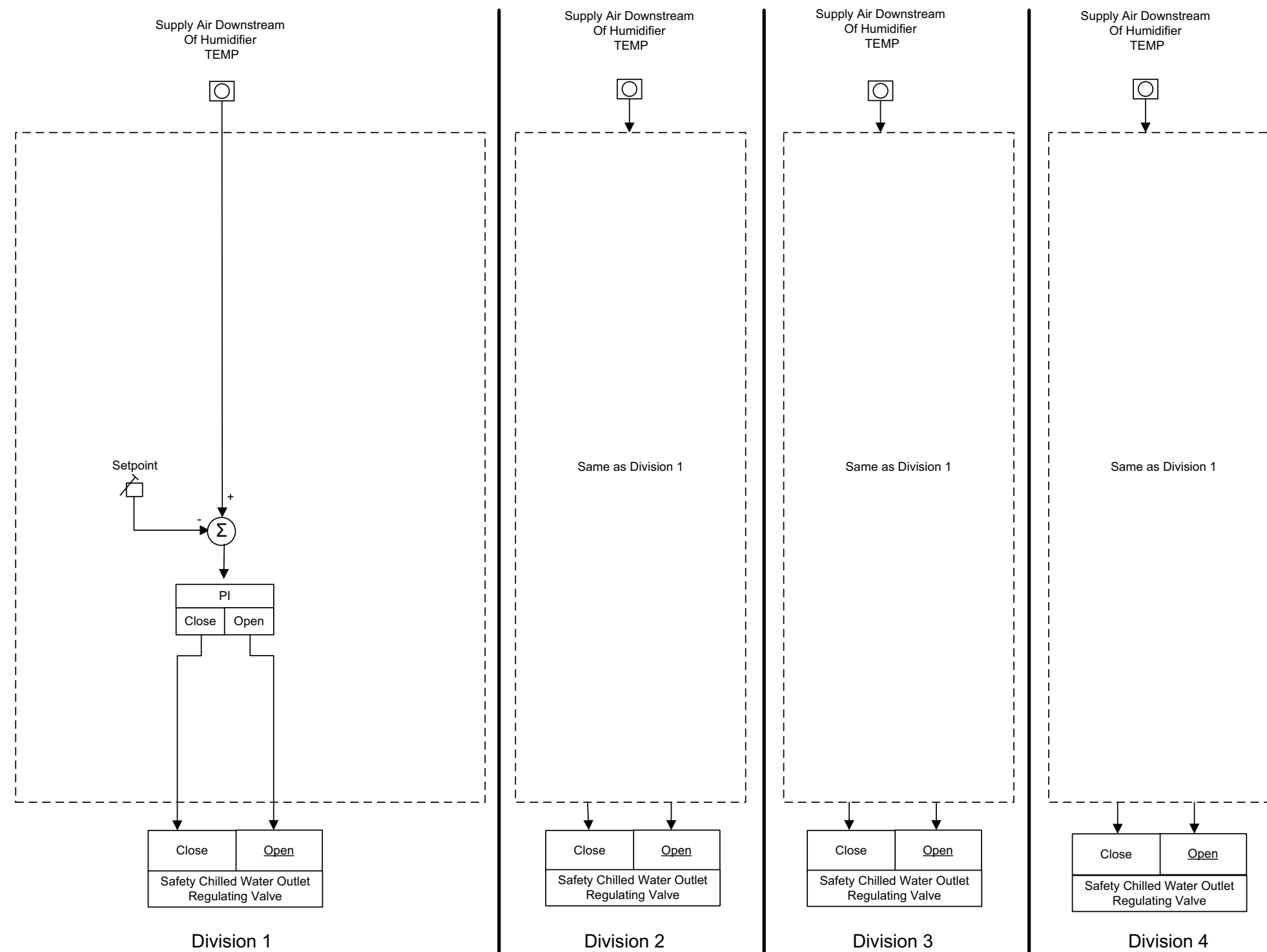


Figure 7.3-53—SBVSE Freeze Protection



EPR3532 T2

Figure 7.3-54—SBVSE Supply Air Temperature Control for Supply Air Cooling

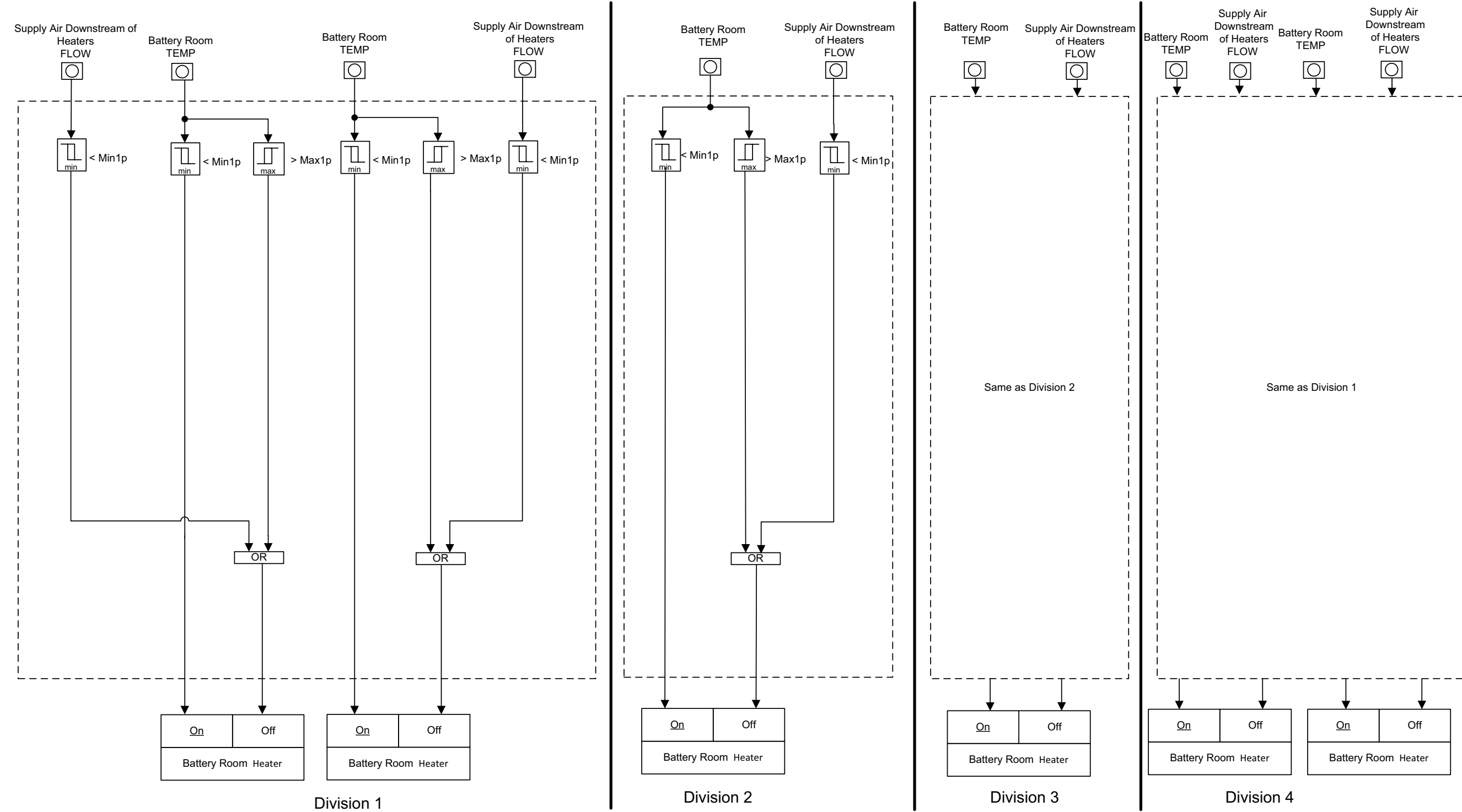


EPR3534 T2

I

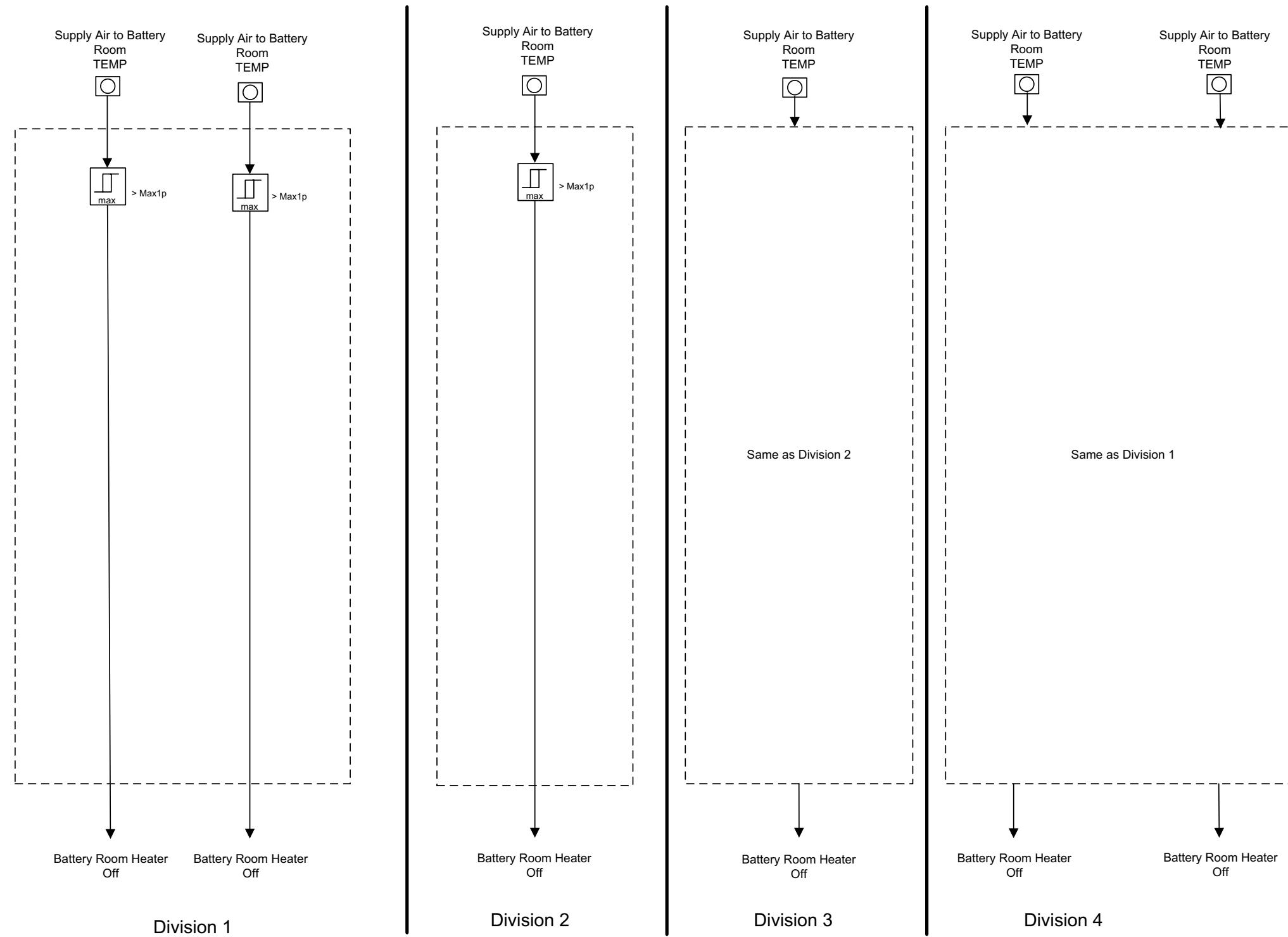
Figure 7.3-55—Deleted

Figure 7.3-56—SBVSE Battery Room Heater Control



EPR3538 T2

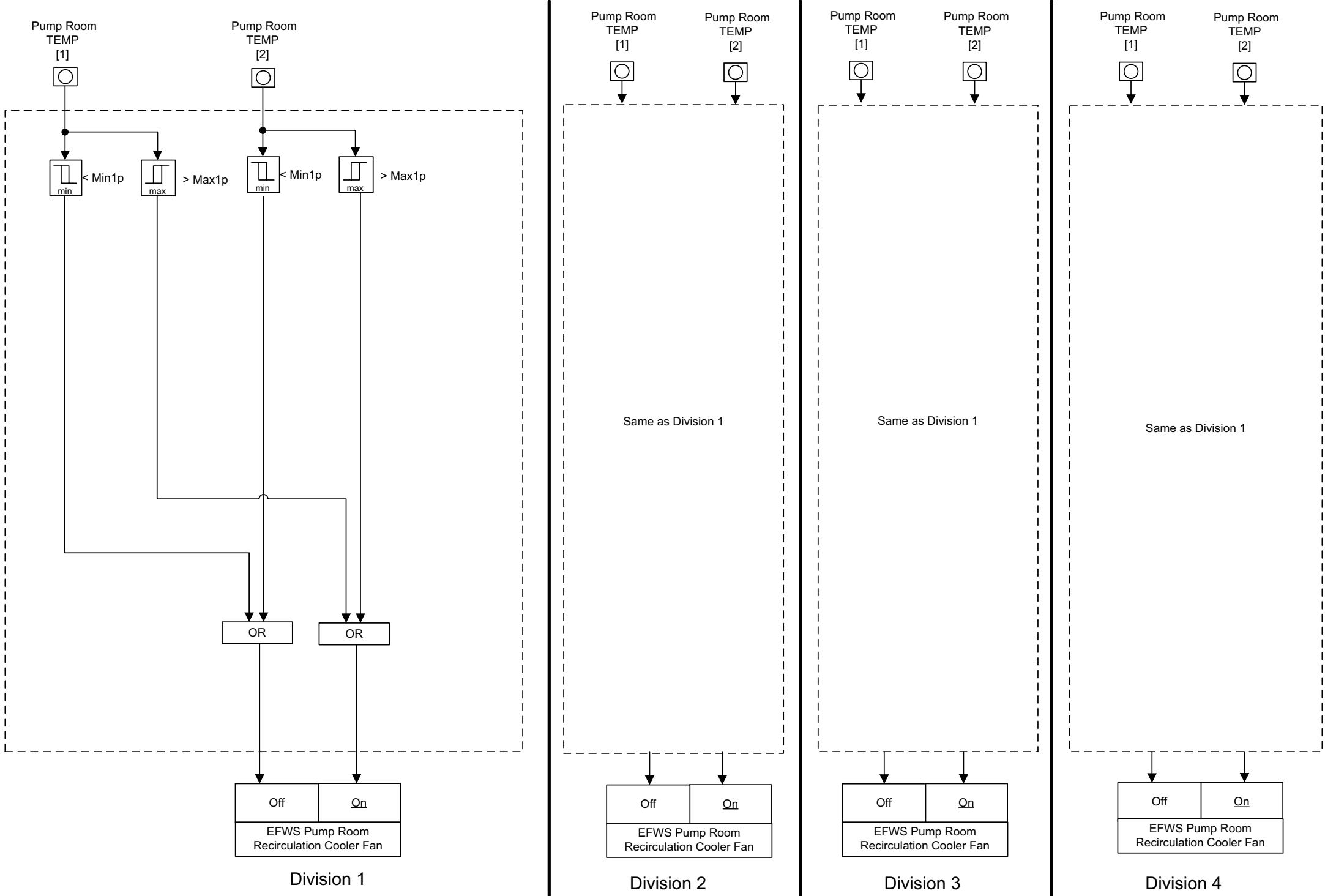
Figure 7.3-57—SBVSE Battery Room Supply Air Temperature Control



EPR3540 T2

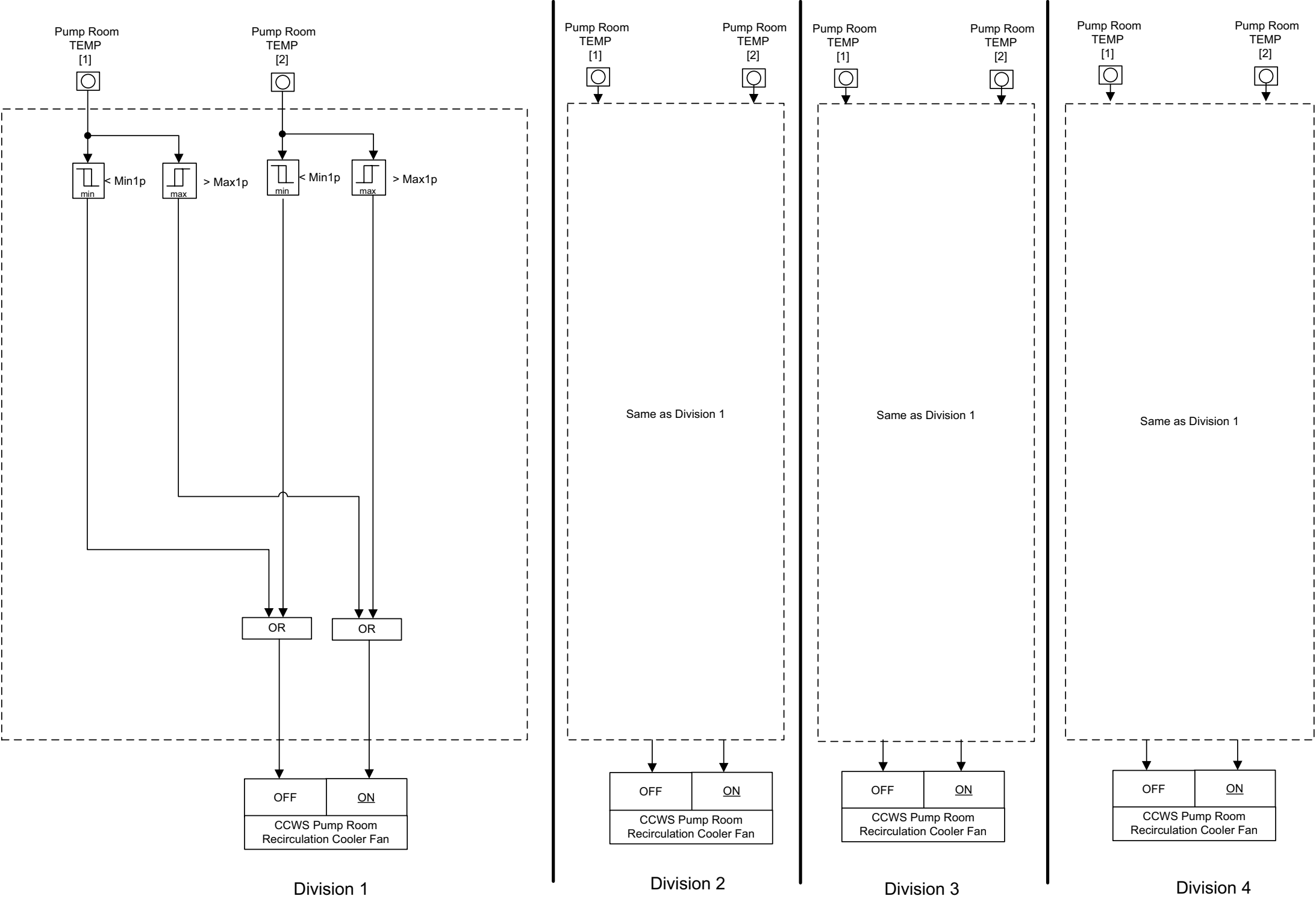


Figure 7.3-58—SBVSE EFWS Pump Room Heat Removal



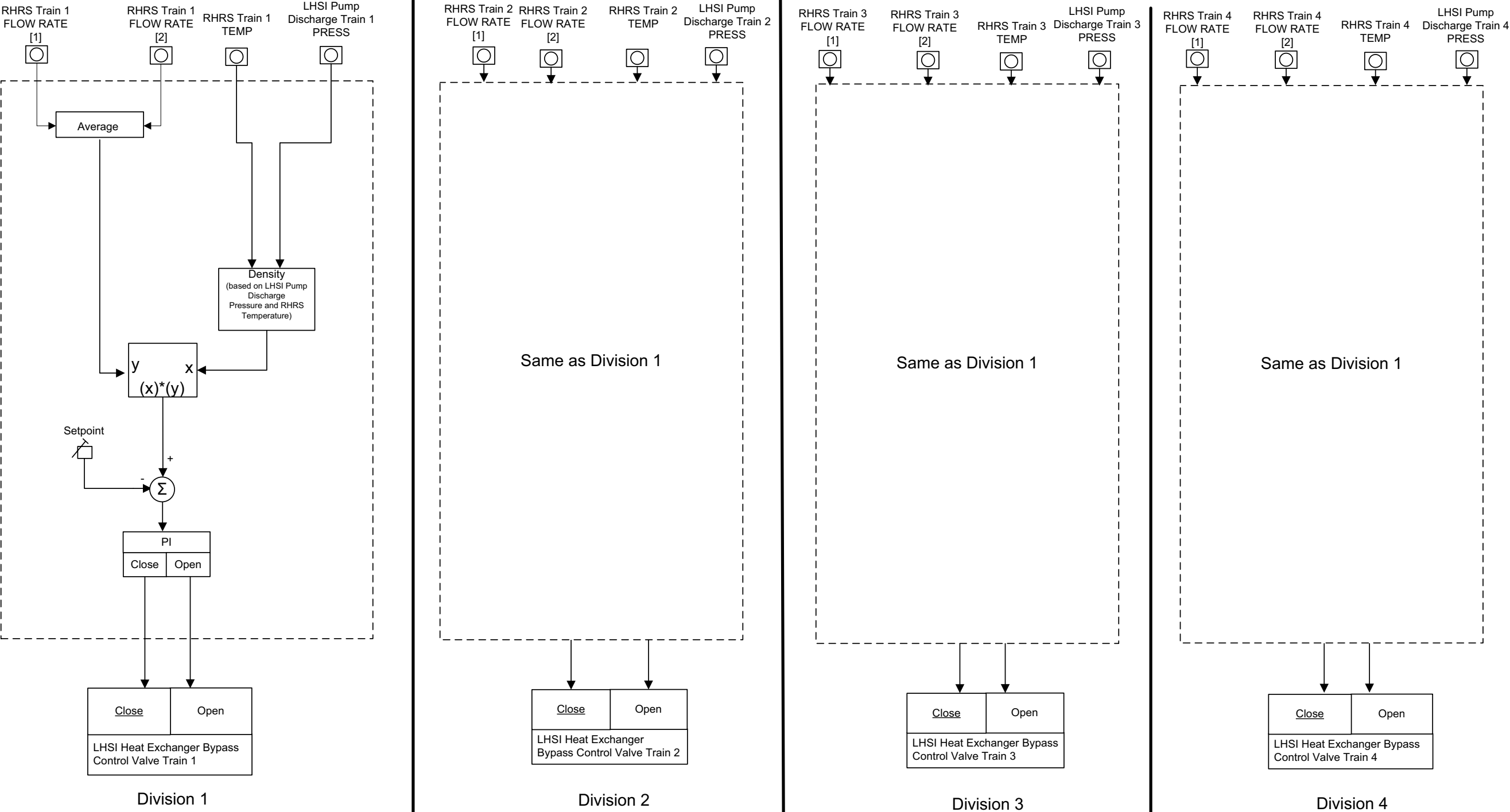
EPR3542 T2

Figure 7.3-59—SBVSE CCWS Pump Room Heat Removal



EPR3544 T2

Figure 7.3-60—SIS / RHRs Automatic RHRs Flow Rate Control

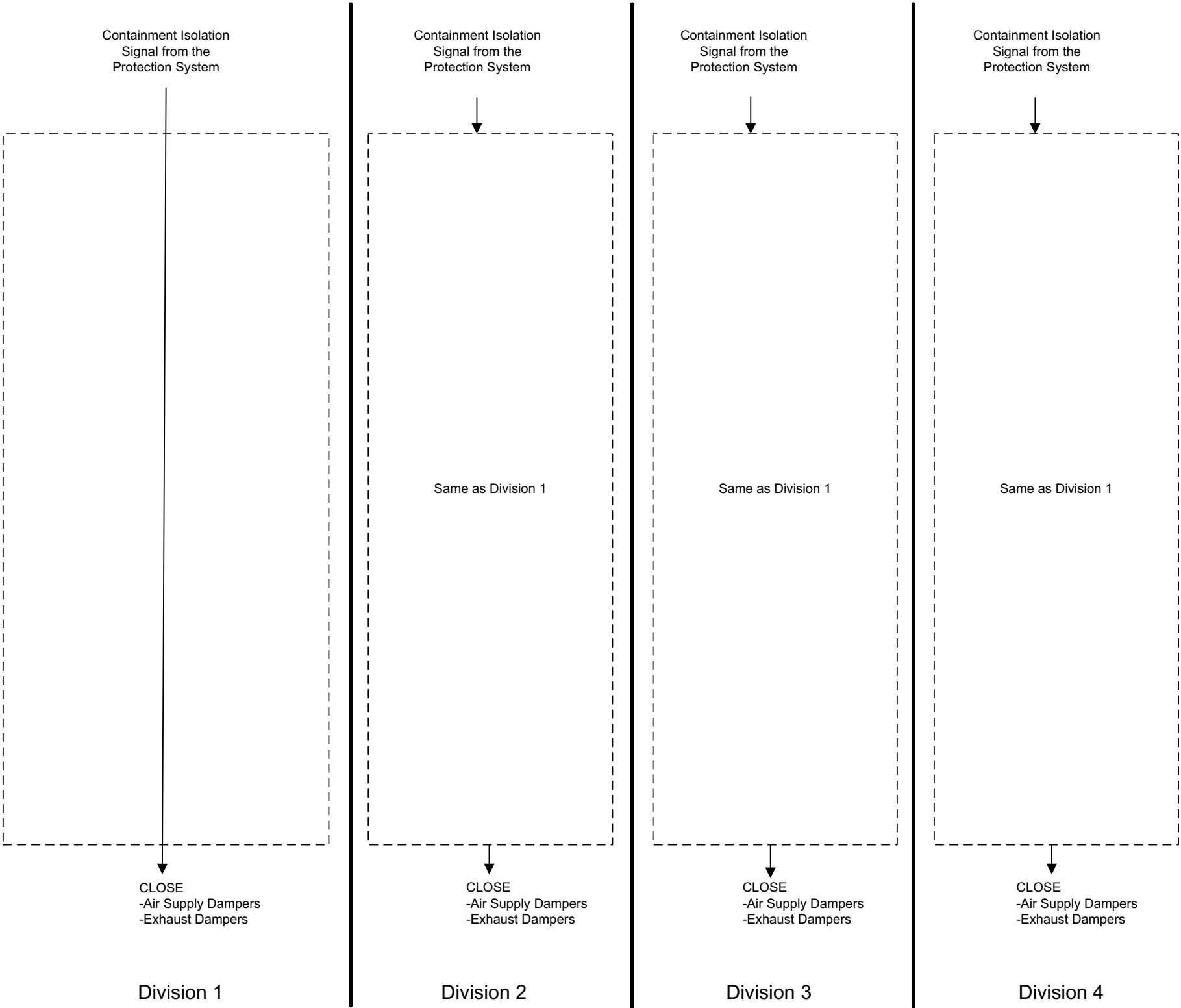


EPR3554 T2

I

Figure 7.3-61—Deleted

Figure 7.3-62—Isolation of FBVS on Containment Isolation



EPR3565 T2