

Project:
Location:
Contract:
Engineer:
Filename: GOGNI CALCULATIONS

ETAP
19.0.1C

Page: 1
Date: 10-04-2026
Revision: Base

Protective Device Settings

OCR: Relay 2 WTG

MFR: Siemens Tag #: CT Base kV If (kA)
Model: 7SJ62 Phase: 600:1,000
GND: 600:1,000

OC Level: OC1

	<u>Range</u>	<u>Setting</u>
Phase TOC IEC - Normal Inverse		
Pickup (Tap)	0,1 - 2 Sec - 1A	0.500
Time Dial		0.050
Phase INST Pickup	0,1 - 3 Sec - 1A	10.000
Time Delay	0 - 60 Sec	0.010
Ground TOC ANSI - Extremely Inverse		
Pickup (Tap)	0,05 - 4 Sec - 1A	0.050
Time Dial		0.050
Ground INST Pickup	0,001 - 1,5 Sec - 0.025A	1.500
Time Delay	0 - 60 Sec	0.010

OCR: Relay 3 WTG

MFR: Siemens Tag #: CT Base kV If (kA)
Model: 7SJ62 Phase: 600:1,000
GND: 600:1,000

OC Level: OC1

	<u>Range</u>	<u>Setting</u>
Phase TOC IEC - Normal Inverse		
Pickup (Tap)	0,1 - 2 Sec - 1A	0.800
Time Dial		0.050
Phase INST Pickup	0,1 - 3 Sec - 1A	10.000
Time Delay	0 - 60 Sec	0.010
Ground TOC ANSI - Extremely Inverse		
Pickup (Tap)	0,05 - 4 Sec - 1A	0.075
Time Dial		0.050
Ground INST Pickup	0,001 - 1,5 Sec - 0.025A	1.500
Time Delay	0 - 60 Sec	0.010

Project:
 Location:
 Contract:
 Engineer:
 Filename: GOGNI CALCULATIONS

ETAP
 19.0.1C

Page: 2
 Date: 10-04-2026
 Revision: Base

Protective Device Settings

OCR: Relay TRA

MFR: Siemens Tag #: CT Base kV If (kA)
 Model: 7SJ62 Phase: 2500:1,000
 GND: 2500:1,000

OC Level: OC1

	<u>Range</u>	<u>Setting</u>
Phase TOC IEC - Normal Inverse		
Pickup (Tap)	0,1 - 2 Sec - 1A	0.800
Time Dial		0.060
Phase INST Pickup	0,1 - 3 Sec - 1A	3.000
Time Delay	0 - 60 Sec	0.020
Ground TOC ANSI - Extremely Inverse		
Pickup (Tap)	0,05 - 4 Sec - 1A	0.050
Time Dial		0.060
Ground INST Pickup	0,001 - 1,5 Sec - 0.025A	1.000
Time Delay	0 - 60 Sec	0.020

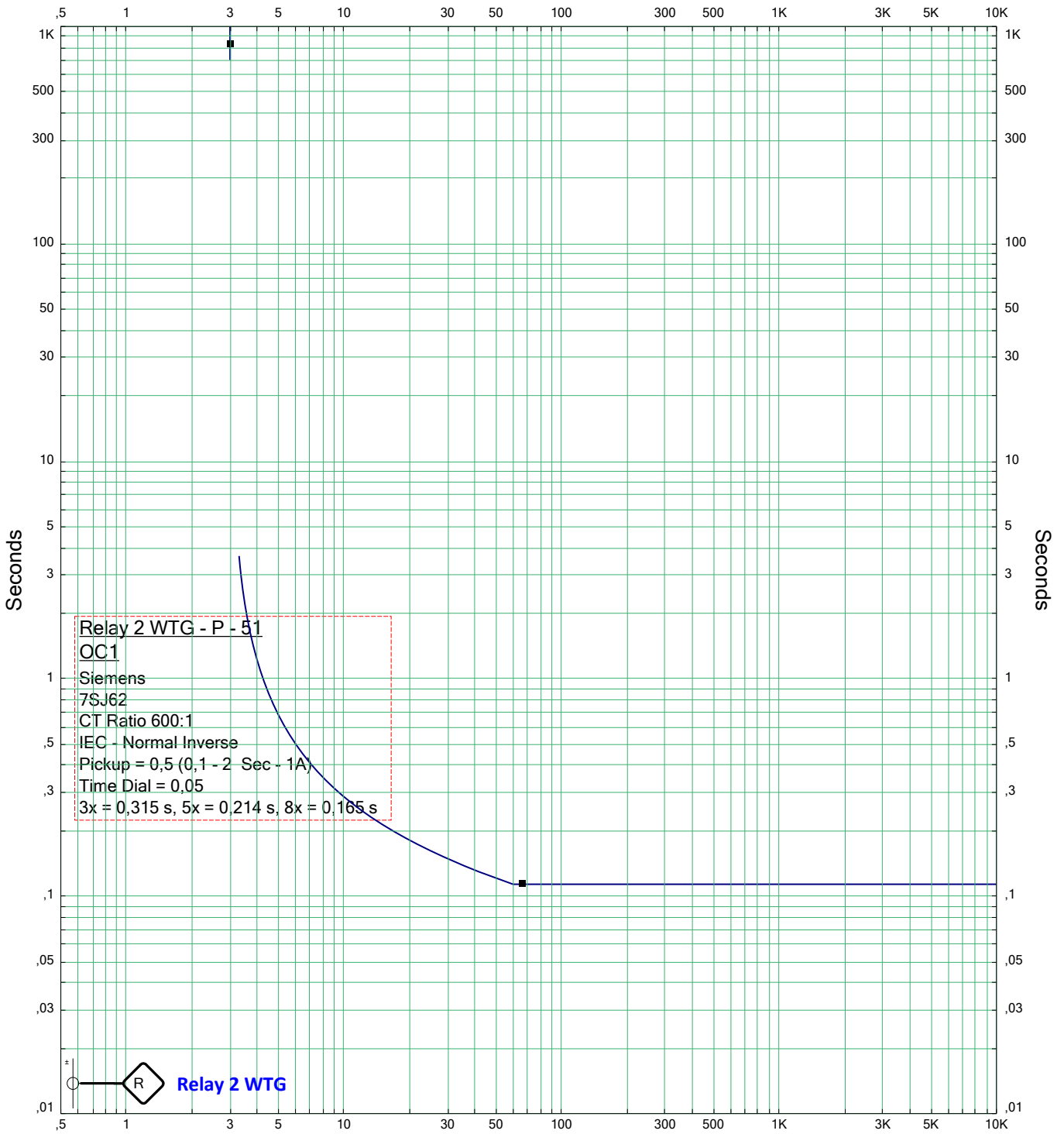
OCR: Relay TRB

MFR: Siemens Tag #: CT Base kV If (kA)
 Model: 7SJ62 Phase: 2500:1,000
 GND: 2500:1,000

OC Level: OC1

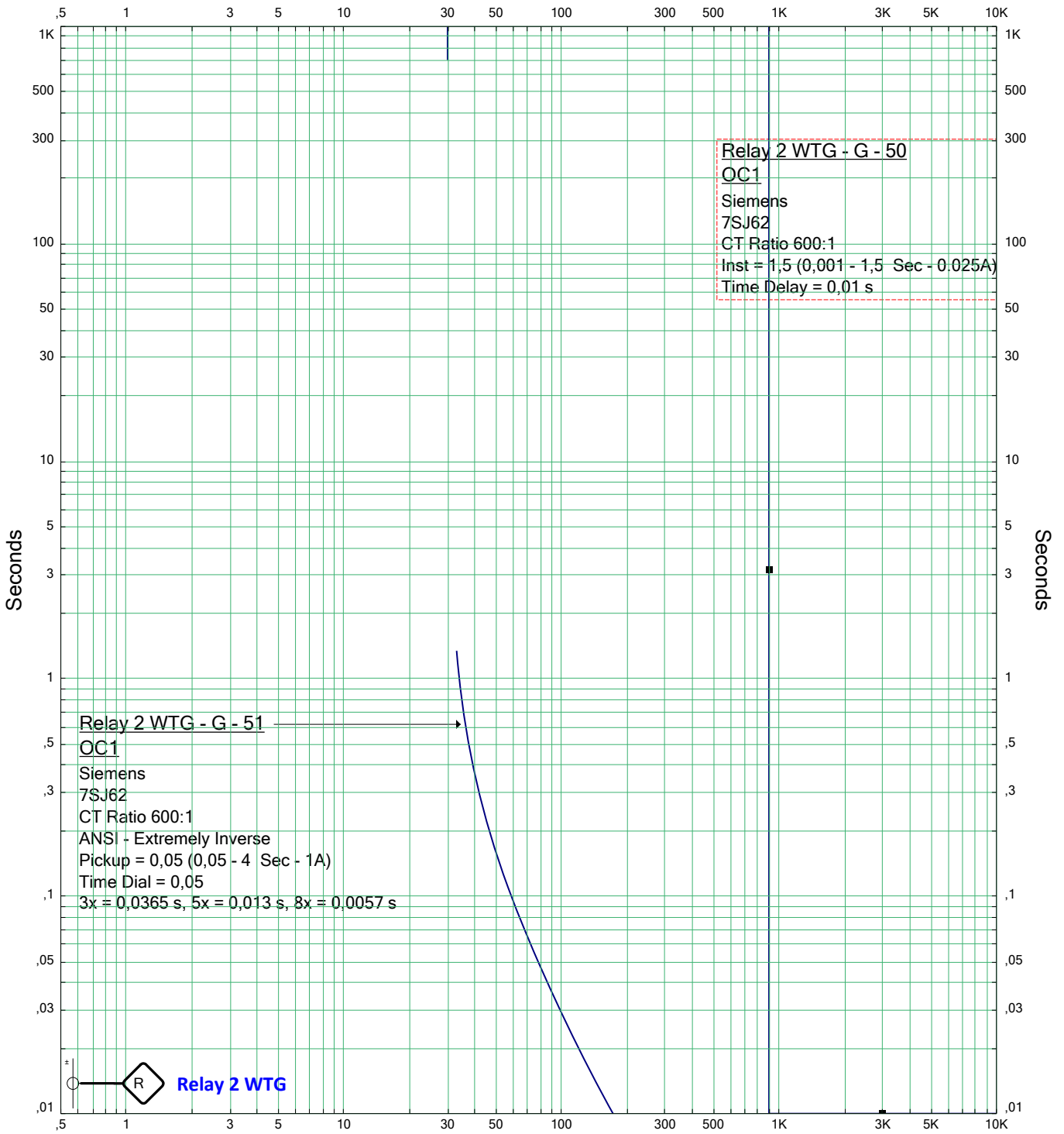
	<u>Range</u>	<u>Setting</u>
Phase TOC IEC - Normal Inverse		
Pickup (Tap)	0,1 - 2 Sec - 1A	0.800
Time Dial		0.060
Phase INST Pickup	0,1 - 3 Sec - 1A	3.000
Time Delay	0 - 60 Sec	0.020
Ground TOC ANSI - Extremely Inverse		
Pickup (Tap)	0,05 - 4 Sec - 1A	0.050
Time Dial		0.060
Ground INST Pickup	0,001 - 1,5 Sec - 0.025A	1.000
Time Delay	0 - 60 Sec	0.020

Amps X 100 Bus4 (Nom. kV=34,5, Plot Ref. kV=34,5)



	Star5	
		Date: 10-04-2026 SN: Rev: Base Fault: Phase

Amps Bus4 (Nom. kV=34,5, Plot Ref. kV=34,5)

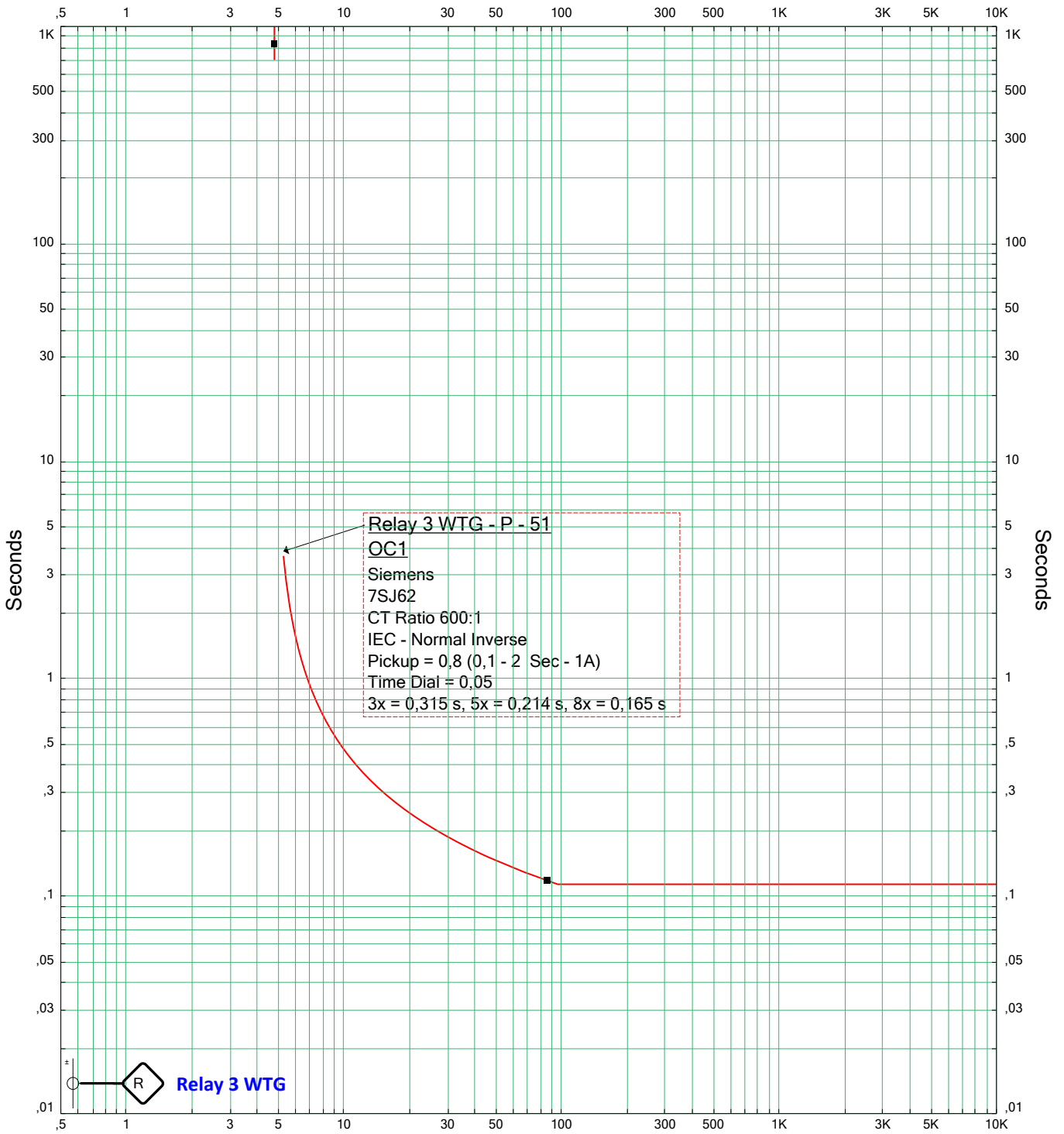


Amps Bus4 (Nom. kV=34,5, Plot Ref. kV=34,5)

ETAP Star 19.0.1C

	Star5	
		Date: 10-04-2026 SN: Rev: Base Fault: Ground

Amps X 100 Bus4 (Nom. kV=34,5, Plot Ref. kV=34,5)

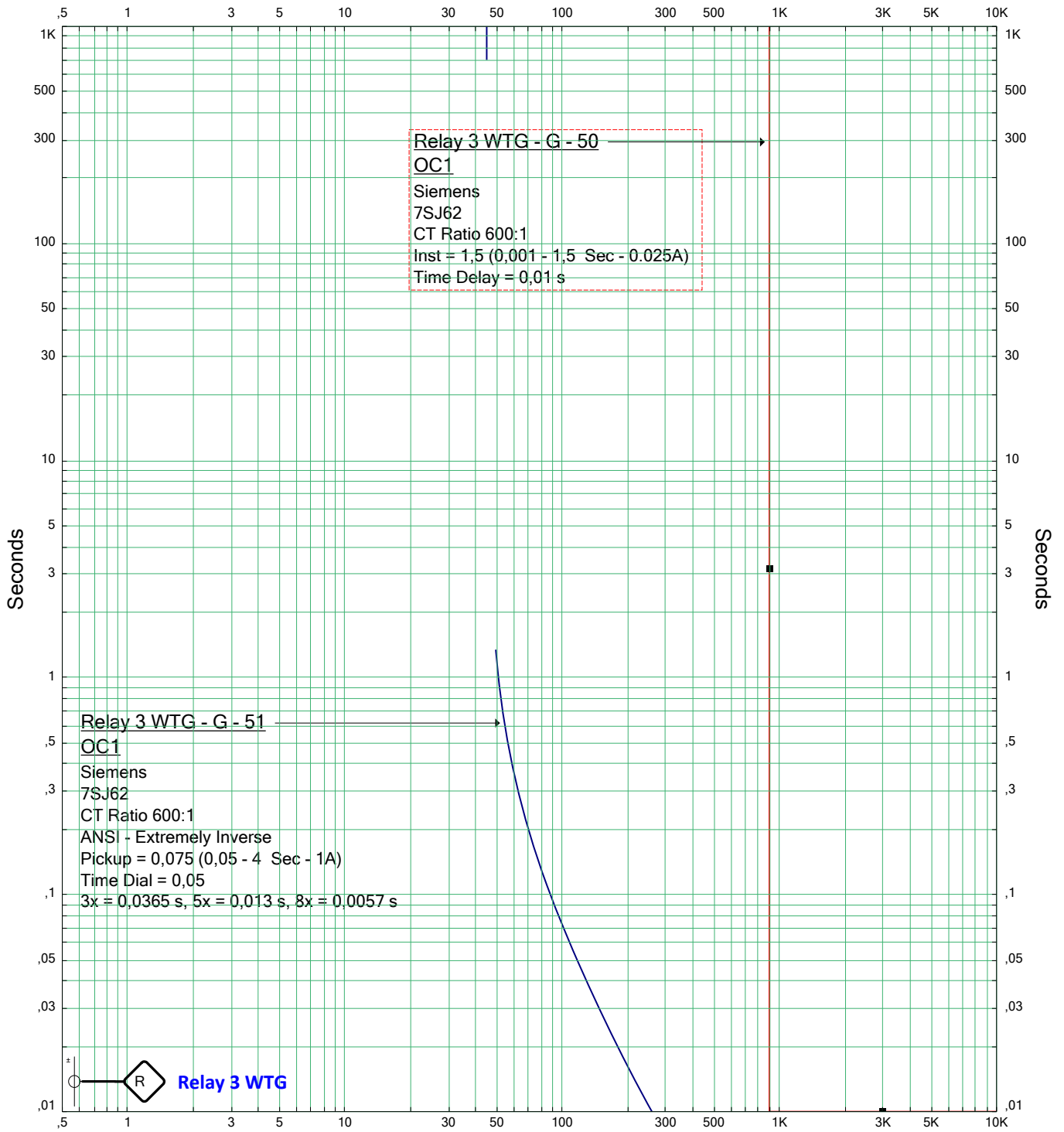


Amps X 100 Bus4 (Nom. kV=34,5, Plot Ref. kV=34,5)

ETAP Star 19.0.1C

	Star6	
		Date: 10-04-2026 SN: Rev: Base Fault: Phase

Amps Bus4 (Nom. kV=34,5, Plot Ref. kV=34,5)

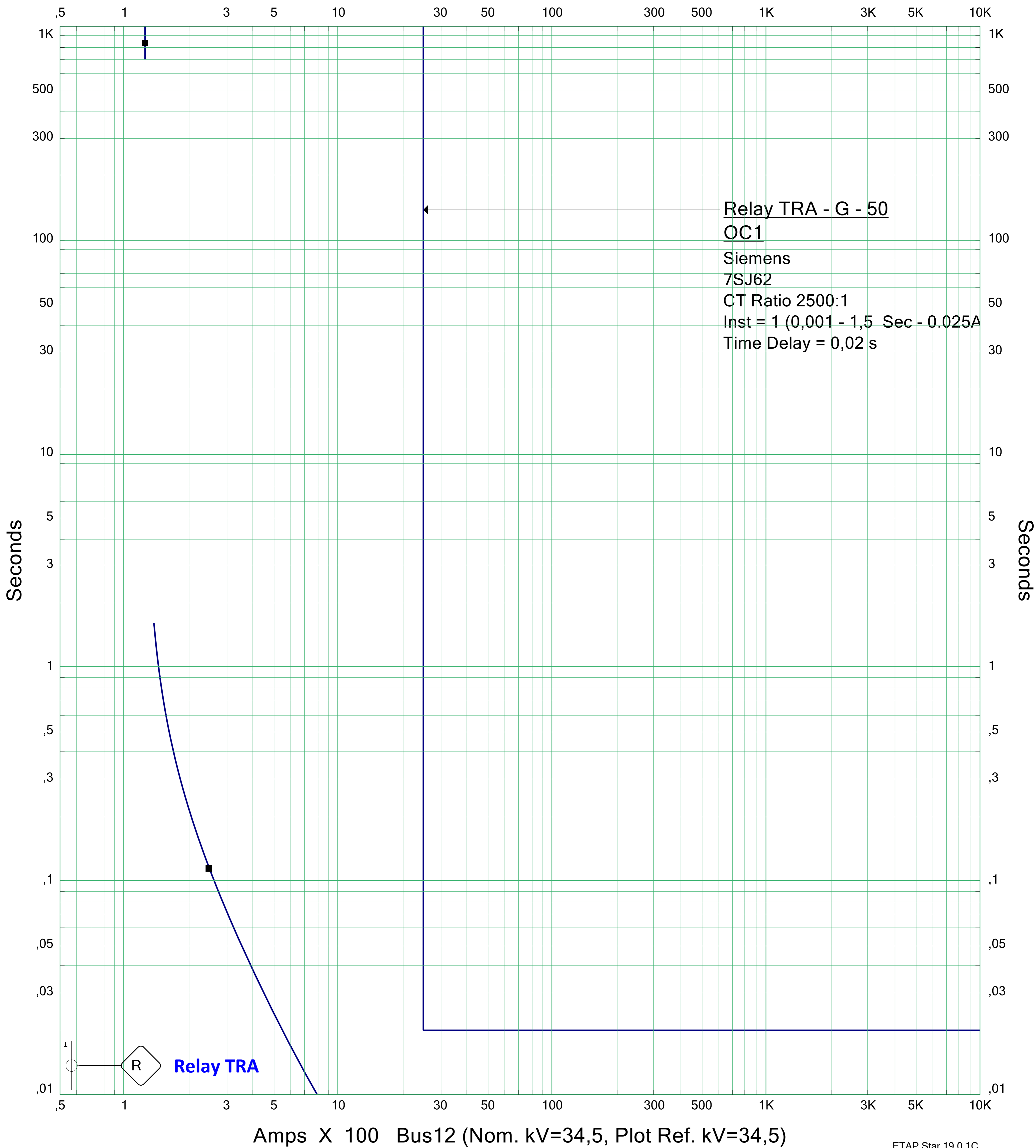


Amps Bus4 (Nom. kV=34,5, Plot Ref. kV=34,5)

ETAP Star 19.0.1C

	Star6	
		Date: 10-04-2026 SN: Rev: Base Fault: Ground

Amps X 100 Bus12 (Nom. kV=34,5, Plot Ref. kV=34,5)



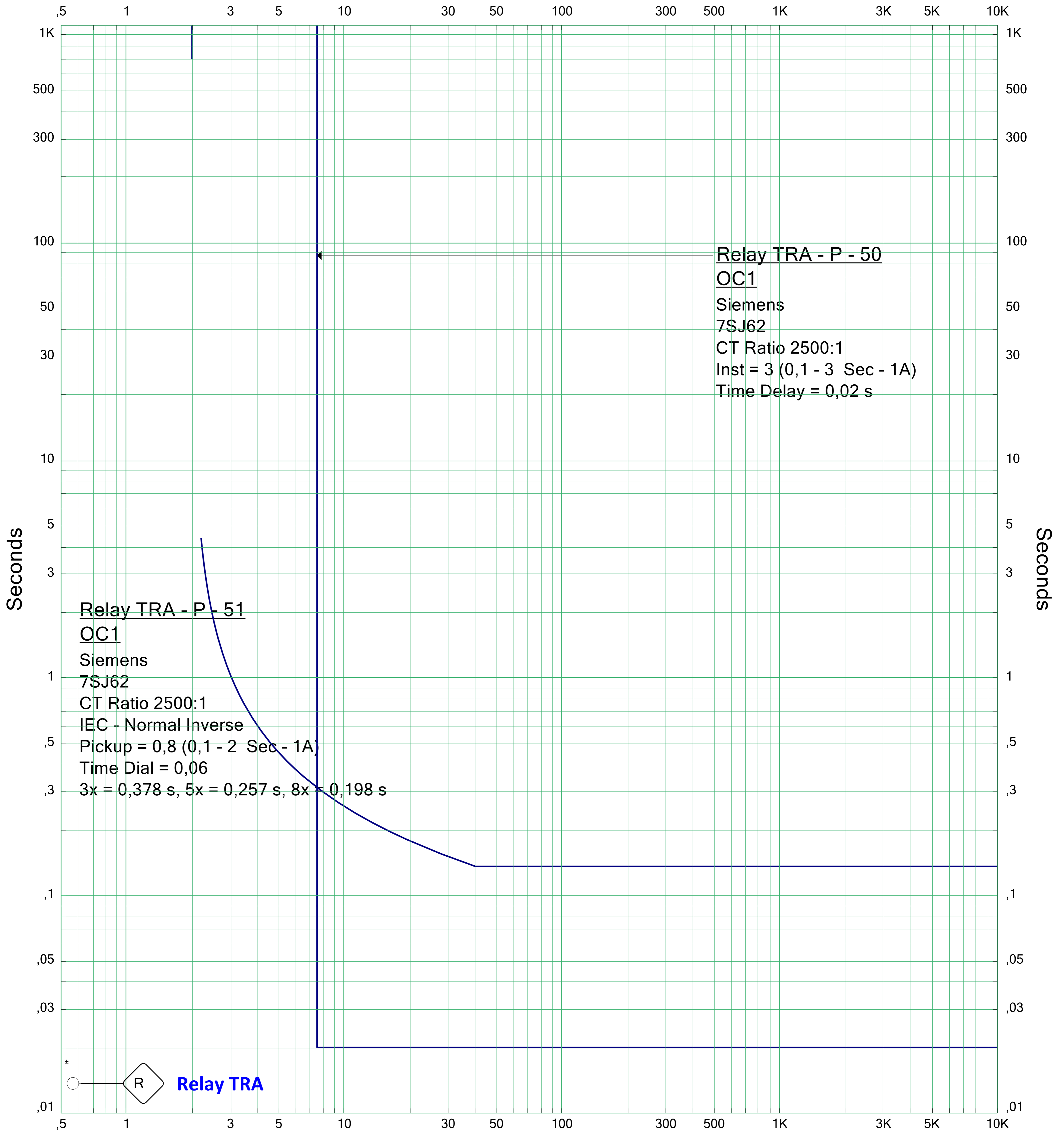
ETAP Star 19.0.1C

Star3

Project:
 Location:
 Contract:
 Engineer:
 Filename: D:

Date: 10-04-2026
 SN:
 Rev: Base Fault:
 Ground

Amps X 1000 Bus12 (Nom. kV=34,5, Plot Ref. kV=34,5)



Amps X 1000 Bus12 (Nom. kV=34,5, Plot Ref. kV=34,5)

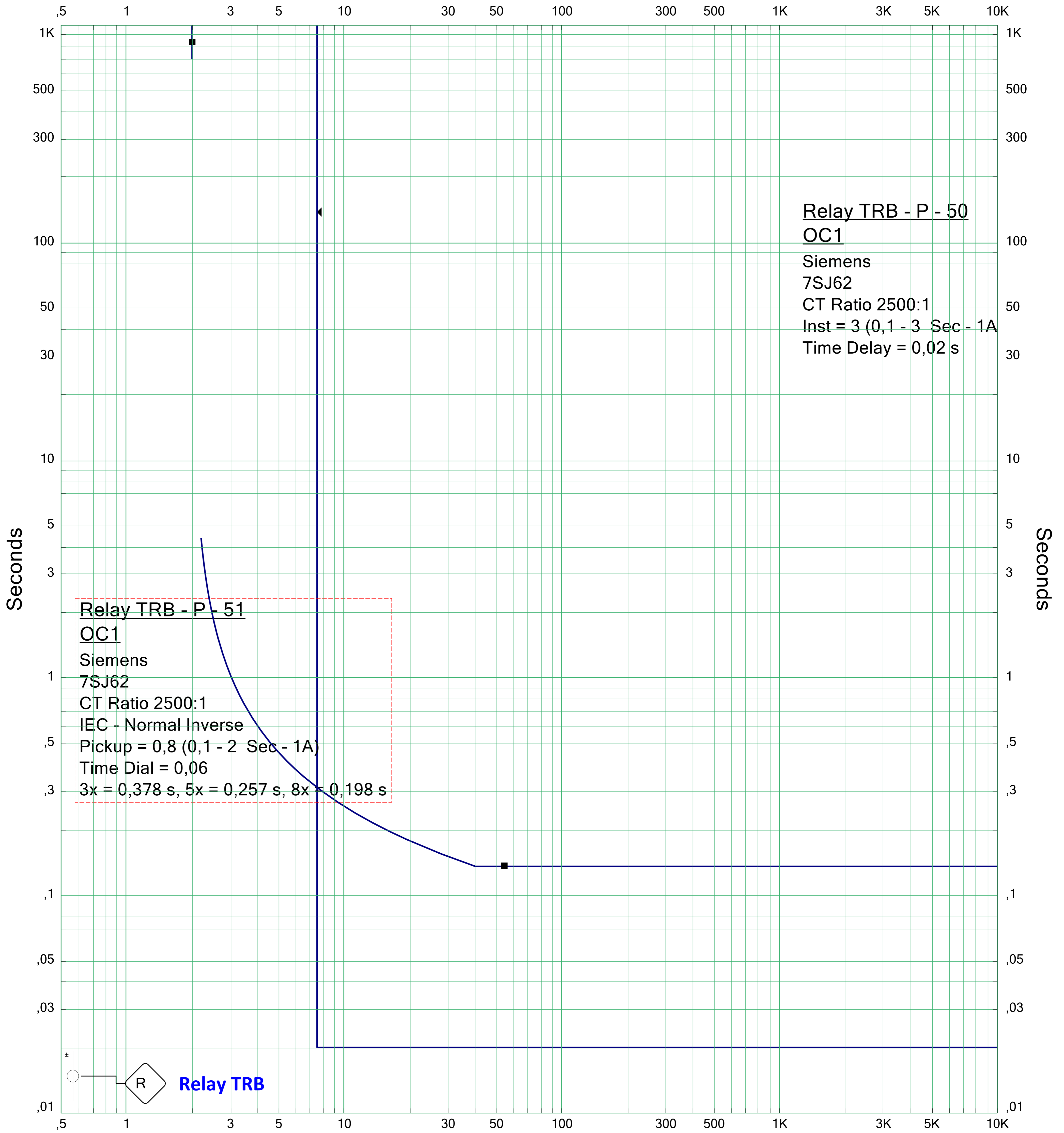
ETAP Star 19.0.1C

Star3

Project:
 Location:
 Contract:
 Engineer:
 Filename: D:

Date: 22-02-2026
 SN:
 Rev: Base
 Fault: Phase

Amps X 1000 Bus163 (Nom. kV=34,5, Plot Ref. kV=34,5)



Amps X 1000 Bus163 (Nom. kV=34,5, Plot Ref. kV=34,5)

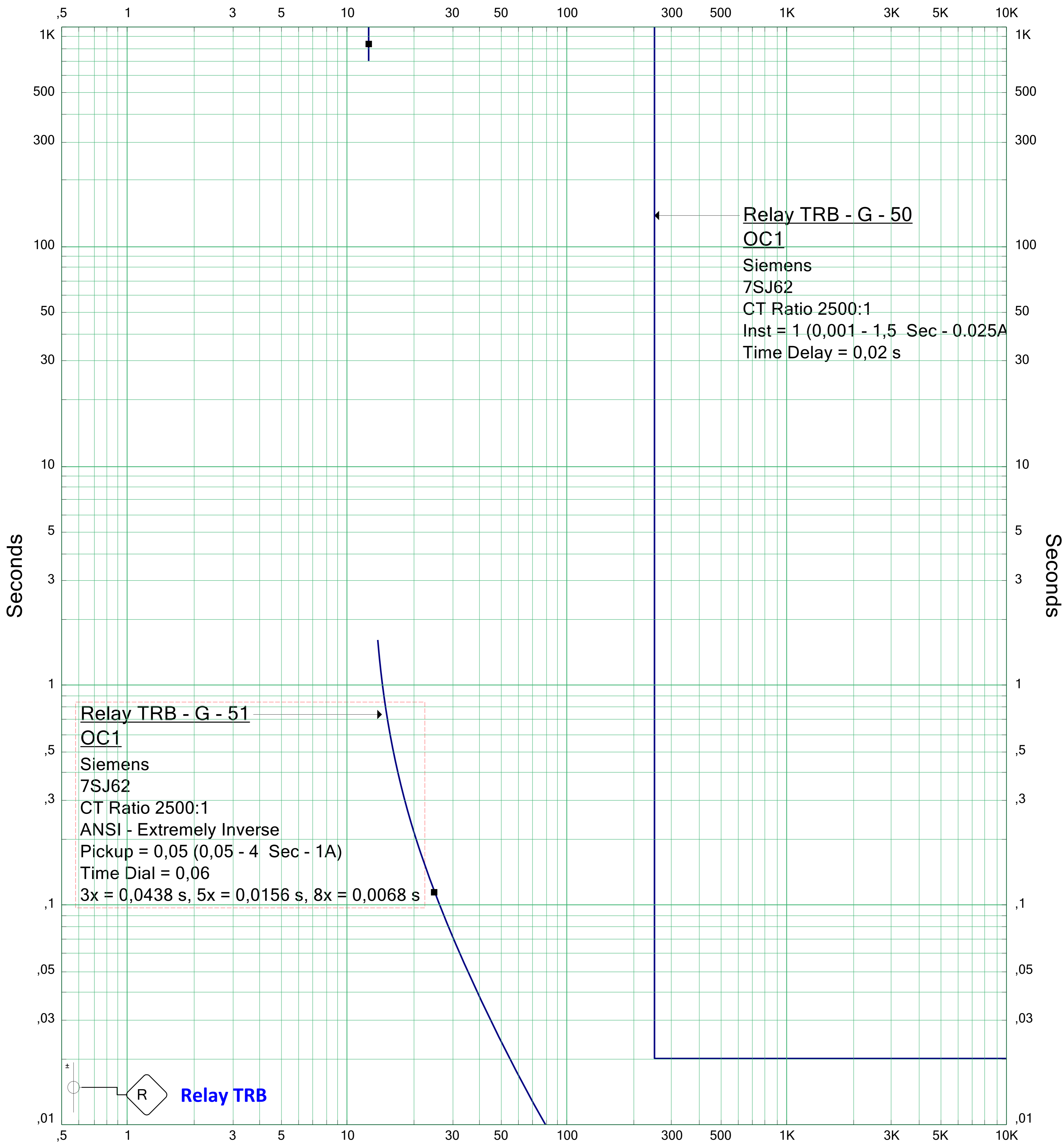
ETAP Star 19.0.1C

Star4

Project:
 Location:
 Contract:
 Engineer:
 Filename: D:

Date: 10-04-2026
 SN:
 Rev: Base Fault:
 Phase

Amps X 10 Bus163 (Nom. kV=34,5, Plot Ref. kV=34,5)



Amps X 10 Bus163 (Nom. kV=34,5, Plot Ref. kV=34,5)

ETAP Star 19.0.1C

Star4

Project:
 Location:
 Contract:
 Engineer:
 Filename: D:

Date: 10-04-2026
 SN:
 Rev: Base Fault:
 Ground