

## CERAMICS! Kiln Usage, Maintenance, and Program Tracker



Woodrose Press

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**Woodrose Press**

<https://Ordinary-Dreams.com/Woodrose-Press>

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# Cone (^) Temperatures

The values and ranges are approximate, differ depending on the source consulted, and are included here for example only. If taking a course, use your instructor's preferred chart. If you're on your own and don't agree with this one, make your own :D)

Comments	Range	Cone (^) <i>Approx.</i>	°F	°C	incandescence	Heating and Cooling Events <i>(heating unless otherwise noted)</i>
Typically secondary firings for luster glazes and very low-fire overglazes	High-Fire	14	2552	1400	Brilliant White	Porcelain upper range (approx.)
		13				
		12				
		11				
		10				
		9	2372	1300	White	
		8				
	Mid-Fire	7				Earthenware upper range (approx.)
		6			Yellow-White	
		5	2192	1200		
		4				
		3				
		2			Yellow	
		1				
Low-Fire	01				^03 - ^5: silicate turning to glass, clay body is shrinking, density is increasing	
	02					
	03	2012	1100	Yellow-Orange		
	04					
	05			Orange		
	06	1832	1000			
	07					
	08					
	09			Red-Orange		
	010					
Very Low-Fire	011	1652	900		^010 - ^04: a typical bisque firing range; vitrification begins	
	012					
	013					
	014			Cherry Red		
	015					
	016	1470	800			
	017					
	018			Dull Red		
	019	1292	700			
	020					
No-Fire	021			Dark Red	660 °F (350 °C) - ^016: chemically combined water burns off	
	022	1112	600			
		1060	573	Dull Red Glow		
		932	500			
		752	400	Black		
		660	350			
		572	300			
		420	220			
		392	200			
		212	100			

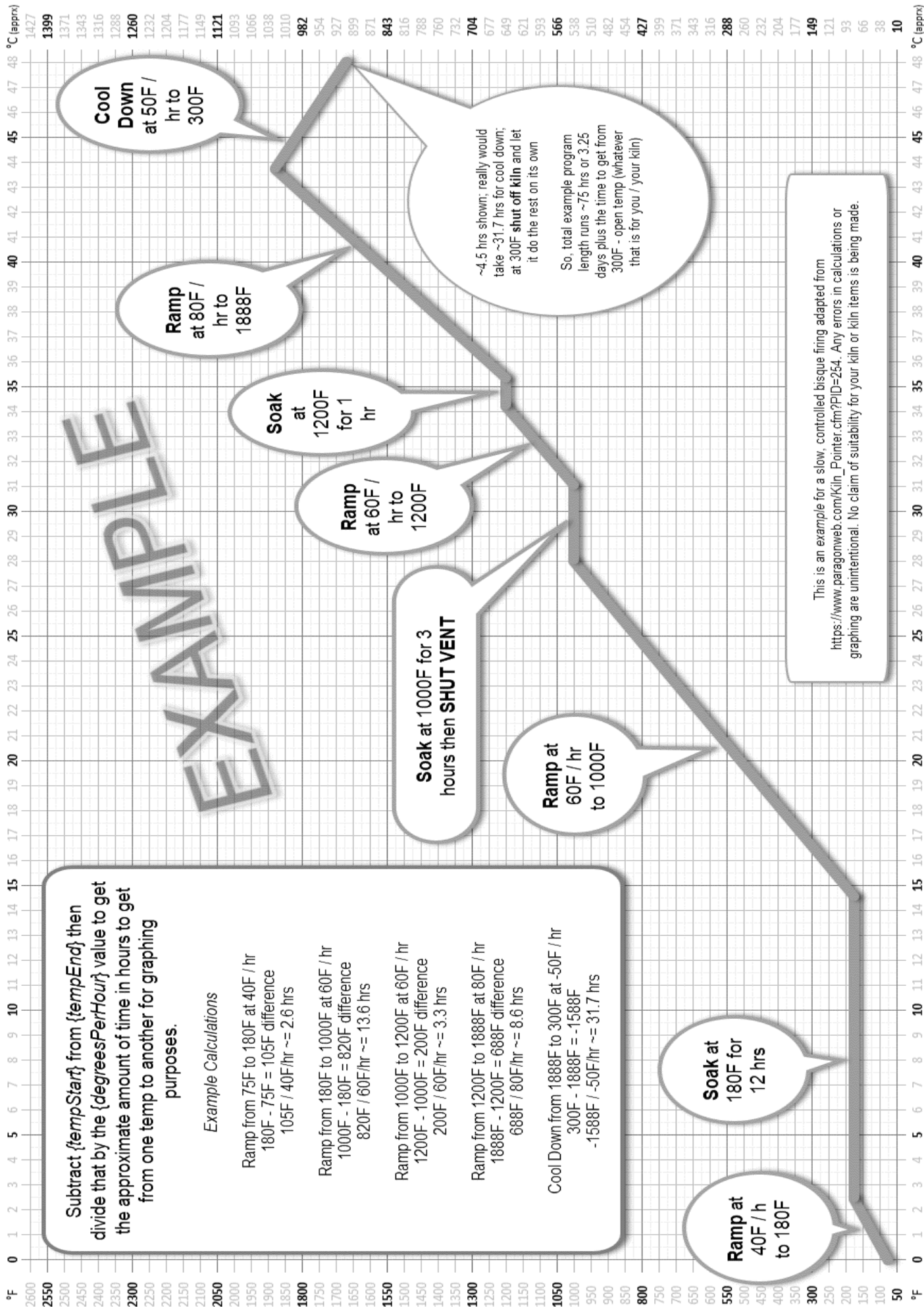
1060 °F (573 °C) quartz inversion; expansion

572 °F (300 °C) - ^016: carbonaceous, organic, and sulfuric materials burn off

420 °F (220 °C): crystobalite inversion; sudden shrinkage (occurs during cooling)

212 °F (100 °C) atmospheric water (trapped between clay particles) converts to steam

Duration in Hours



°F	2600	2550	2500	2450	2400	2350	2300	2250	2200	2150	2100	2050	2000	1950	1900	1850	1800	1750	1700	1650	1600	1550	1500	1450	1400	1350	1300	1250	1200	1150	1100	1050	1000	950	900	850	800	750	700	650	600	550	500	450	400	350	300	250	200	150	100	50
°C (approx)	1427	1399	1371	1343	1316	1288	1260	1232	1204	1177	1149	1121	1093	1066	1038	1010	982	954	927	900	871	843	816	788	760	732	704	677	649	621	593	566	538	510	482	454	427	399	371	343	316	288	260	232	204	177	149	121	93	66	38	10













































































Program #	Program Type	Run Type	Target Cone (^)	Purpose
	<input type="checkbox"/> Factory <input type="checkbox"/> User	<input type="checkbox"/> Bisque <input type="checkbox"/> Glaze <input type="checkbox"/> Refire		

Segment	Action	Temperature ( <input type="checkbox"/> °F <input type="checkbox"/> °C)			Rate (°/hr)	~Time (hrs)	~Time (hrs) Total
		<i>From</i>	<i>To</i>	<i>Difference</i>			
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Additional Notes

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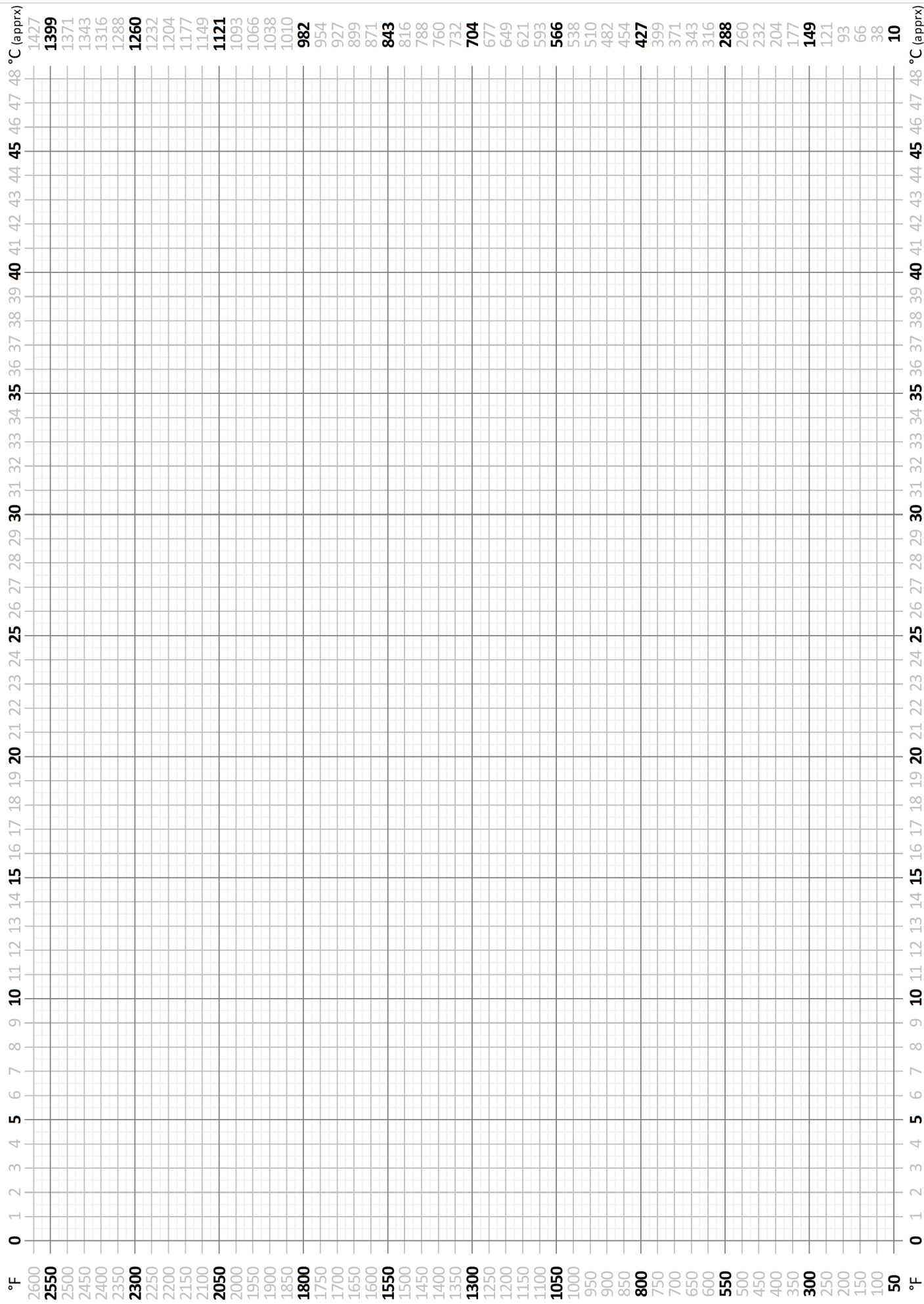
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**Additional Notes**

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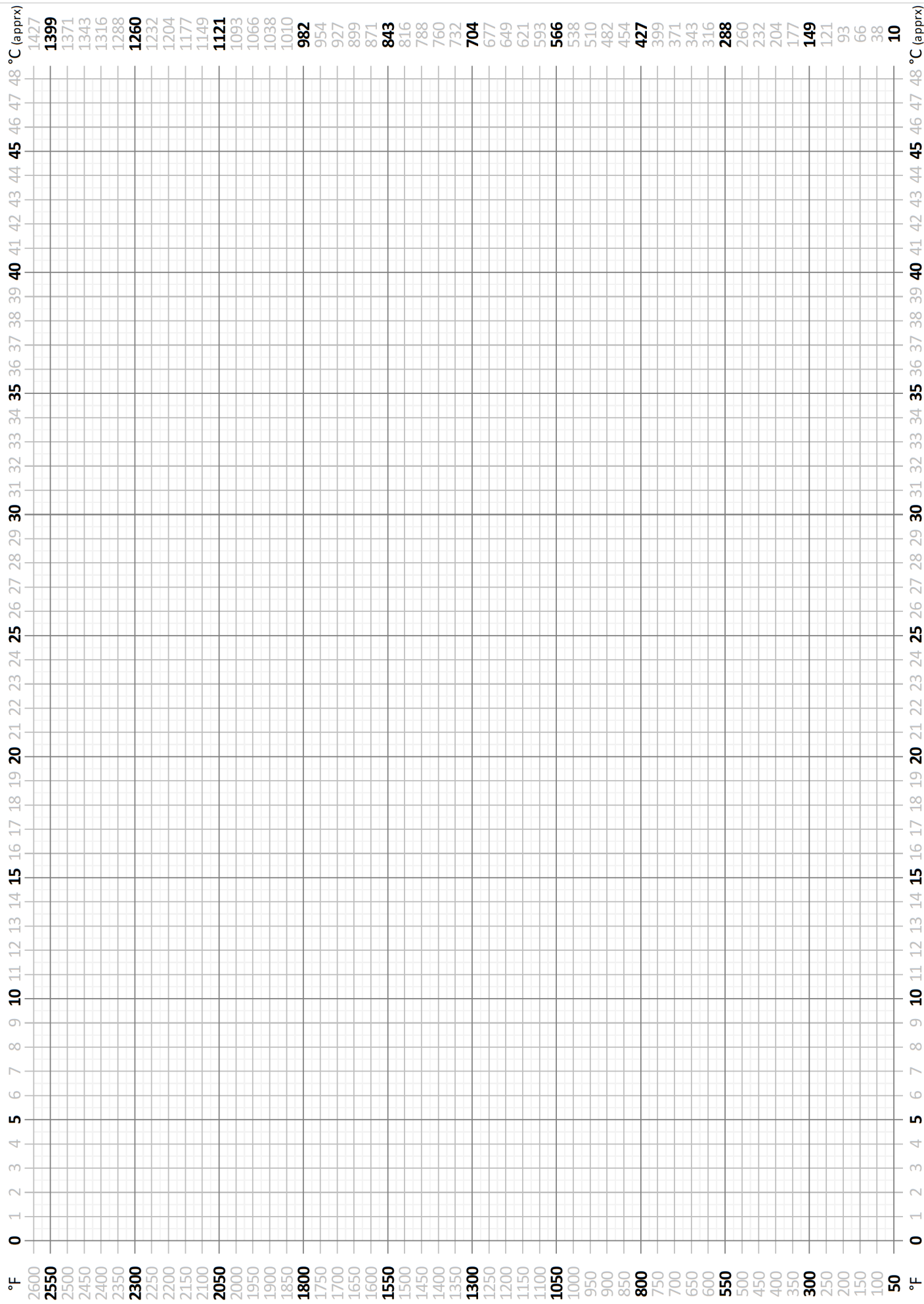


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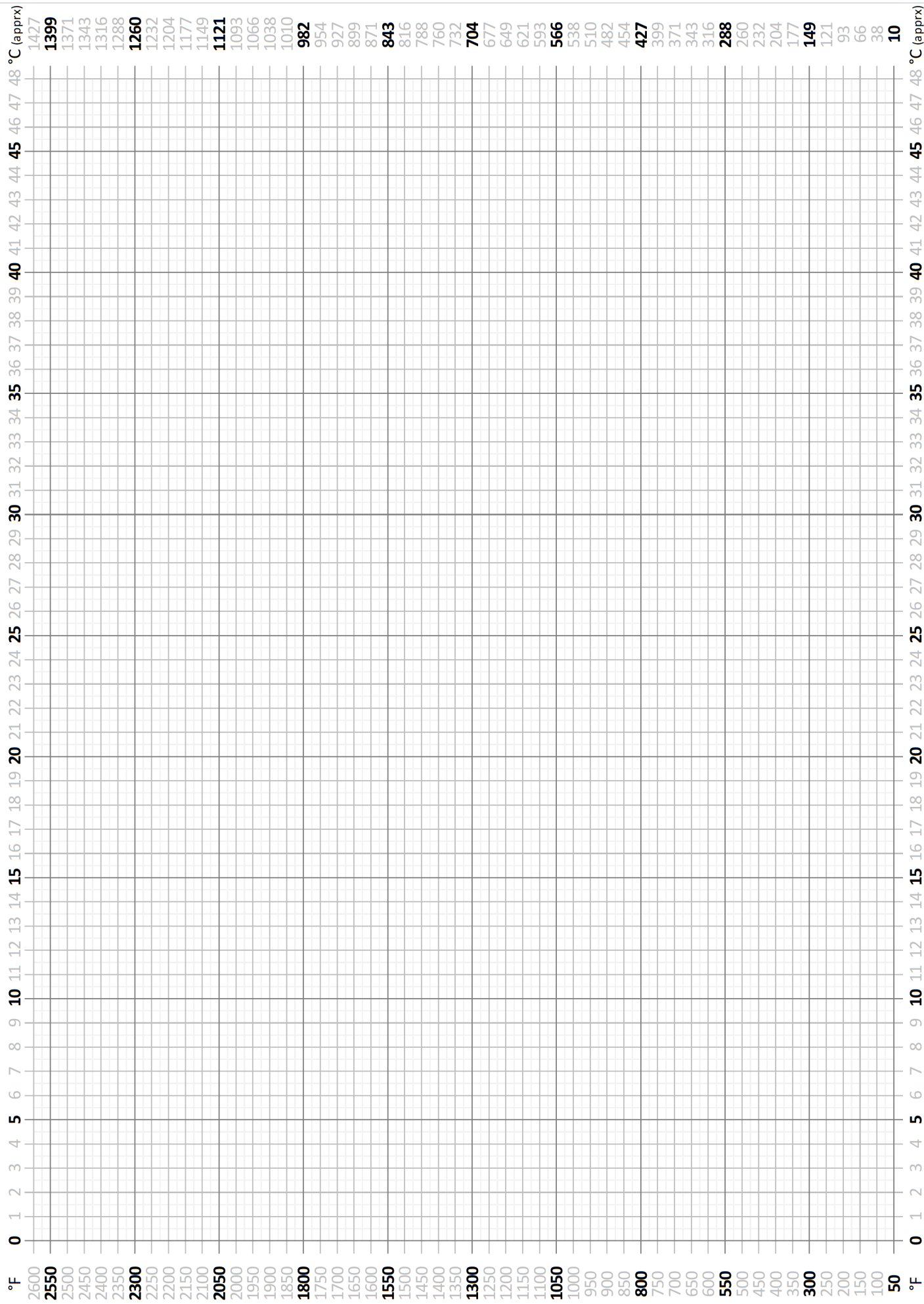
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**Additional Notes**

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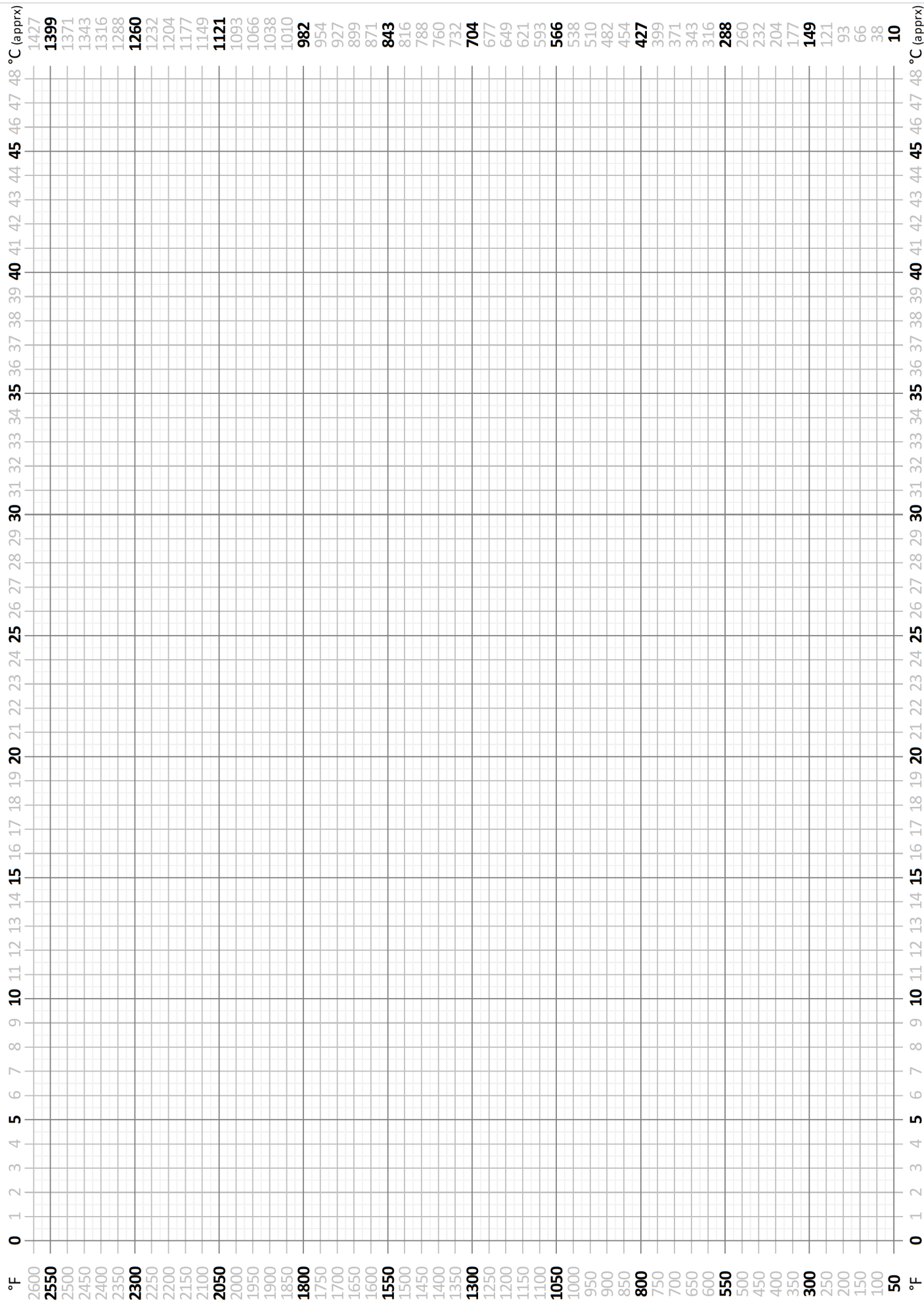
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Duration in Hours



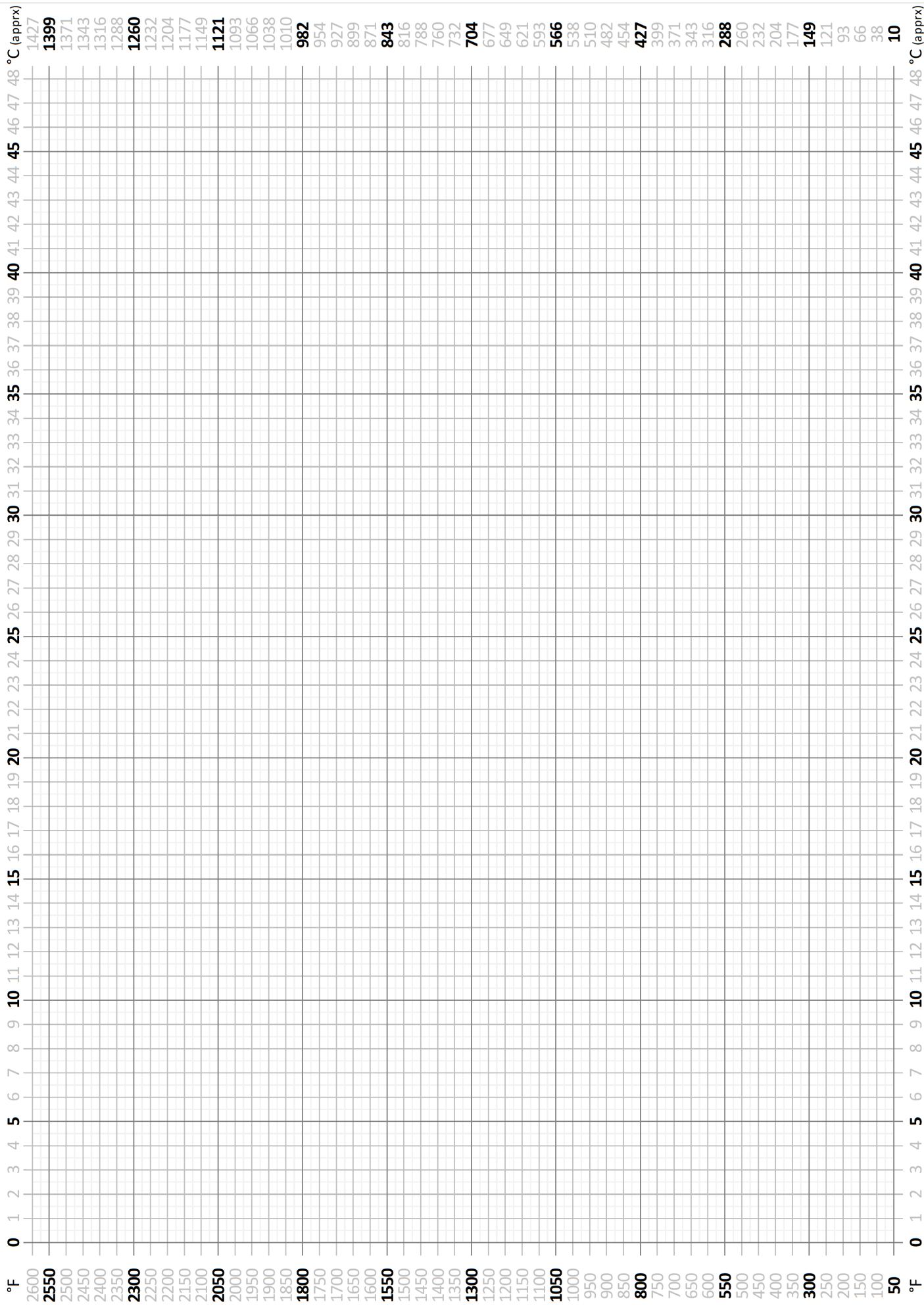
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**Additional Notes**



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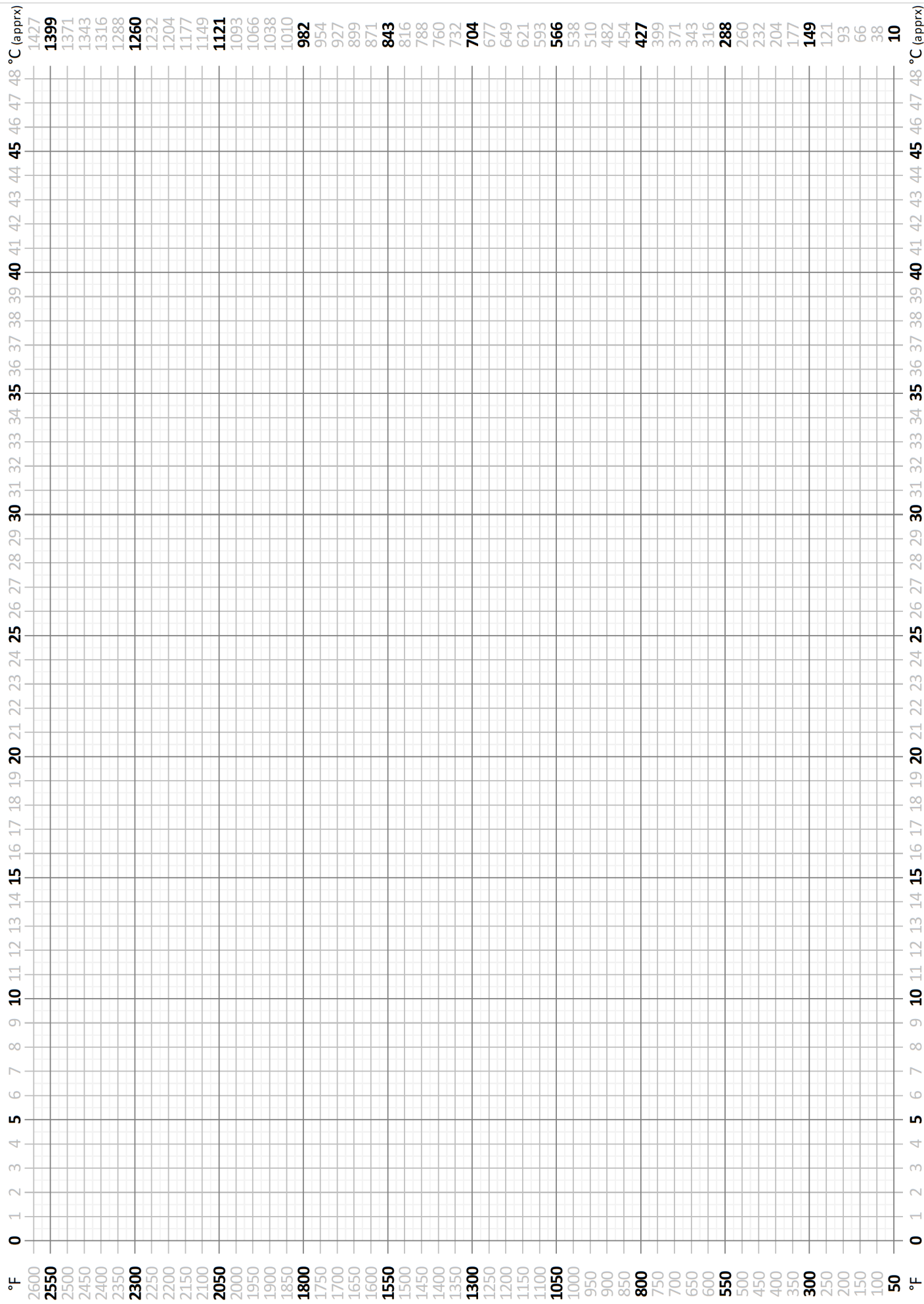


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**Additional Notes**

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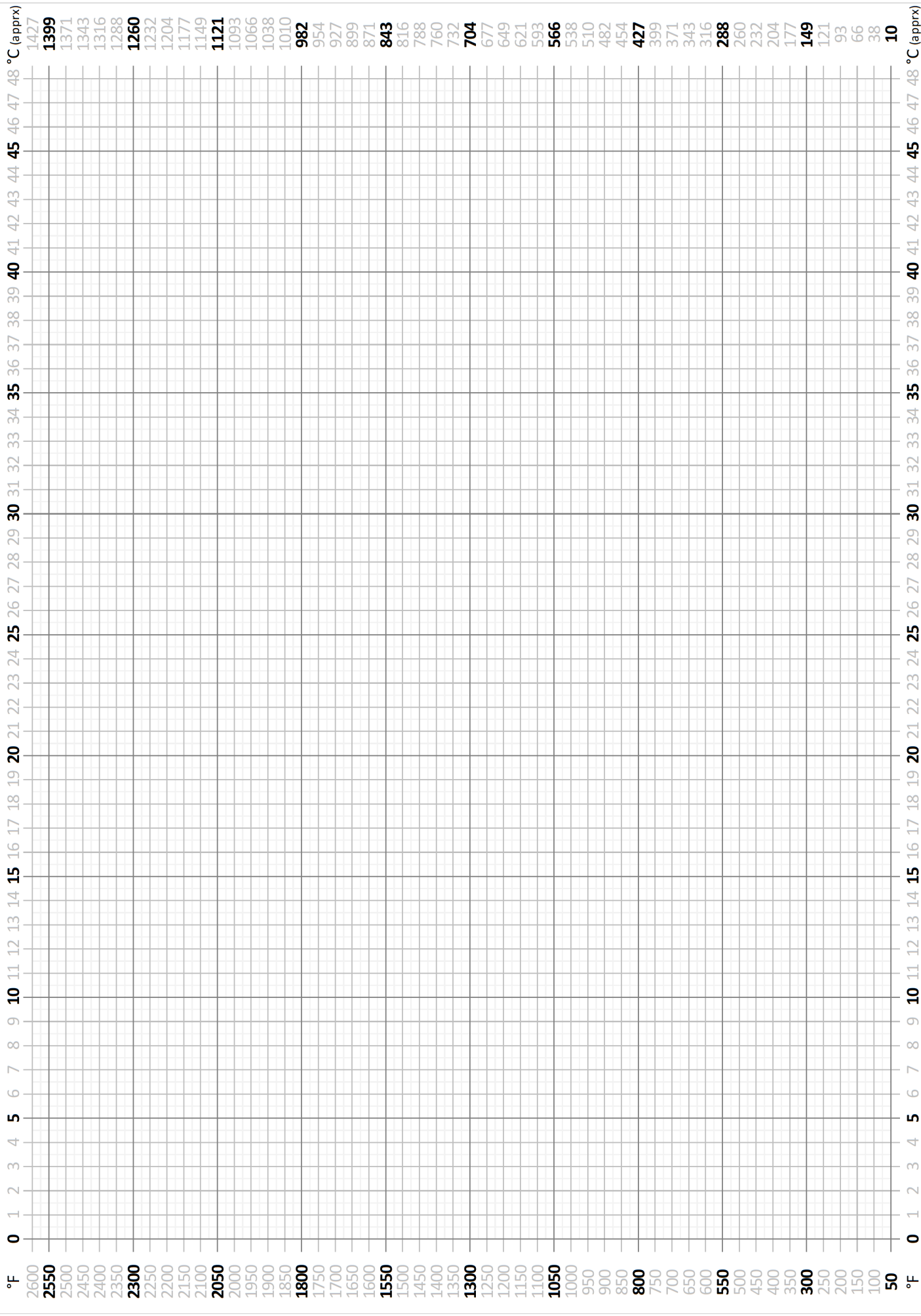


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Duration in Hours



°F

2600

**2550**

2500

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**2300**

2250

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2100

**2050**

2000

1950

1900

1850

**1800**

1750

1700

1650

1600

**1550**

1500

1450

1400

1350

**1300**

1250

1200

1150

1100

**1050**

1000

950

900

850

**800**

750

700

650

**550**

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450

400

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**300**

250

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**843**

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760

732

**704**

677

649

621

593

**566**

538

510

482

454

**427**

399

371

343

316

**288**

260

232

204

177

**149**

121

93

66

38

**10**

°C

48

47

46

45

44

43

42

41

**40**

39

38

37

36

**35**

34

33

32

31

**30**

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**25**

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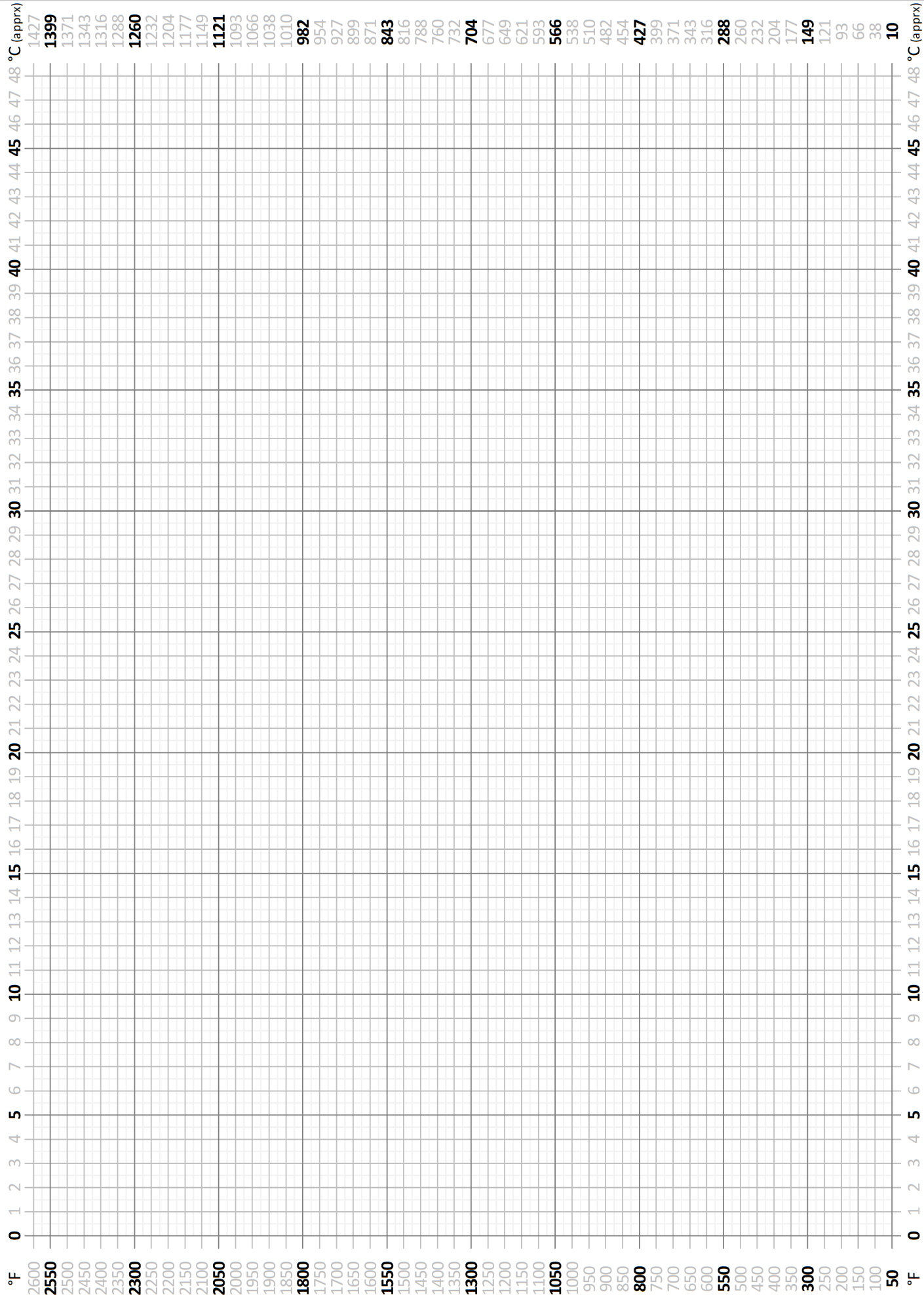
°C (apprx)

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**Additional Notes**

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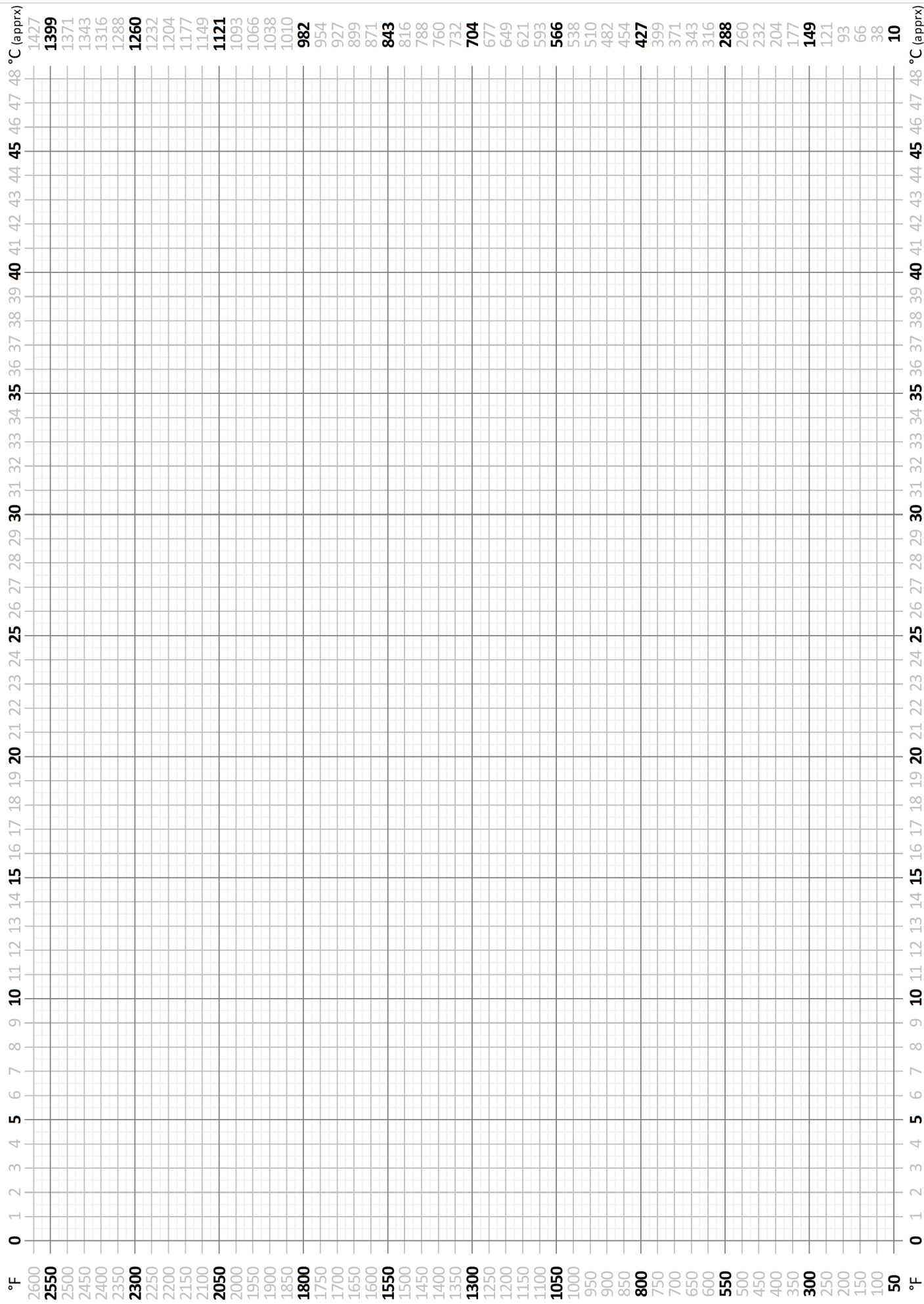
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**Additional Notes**

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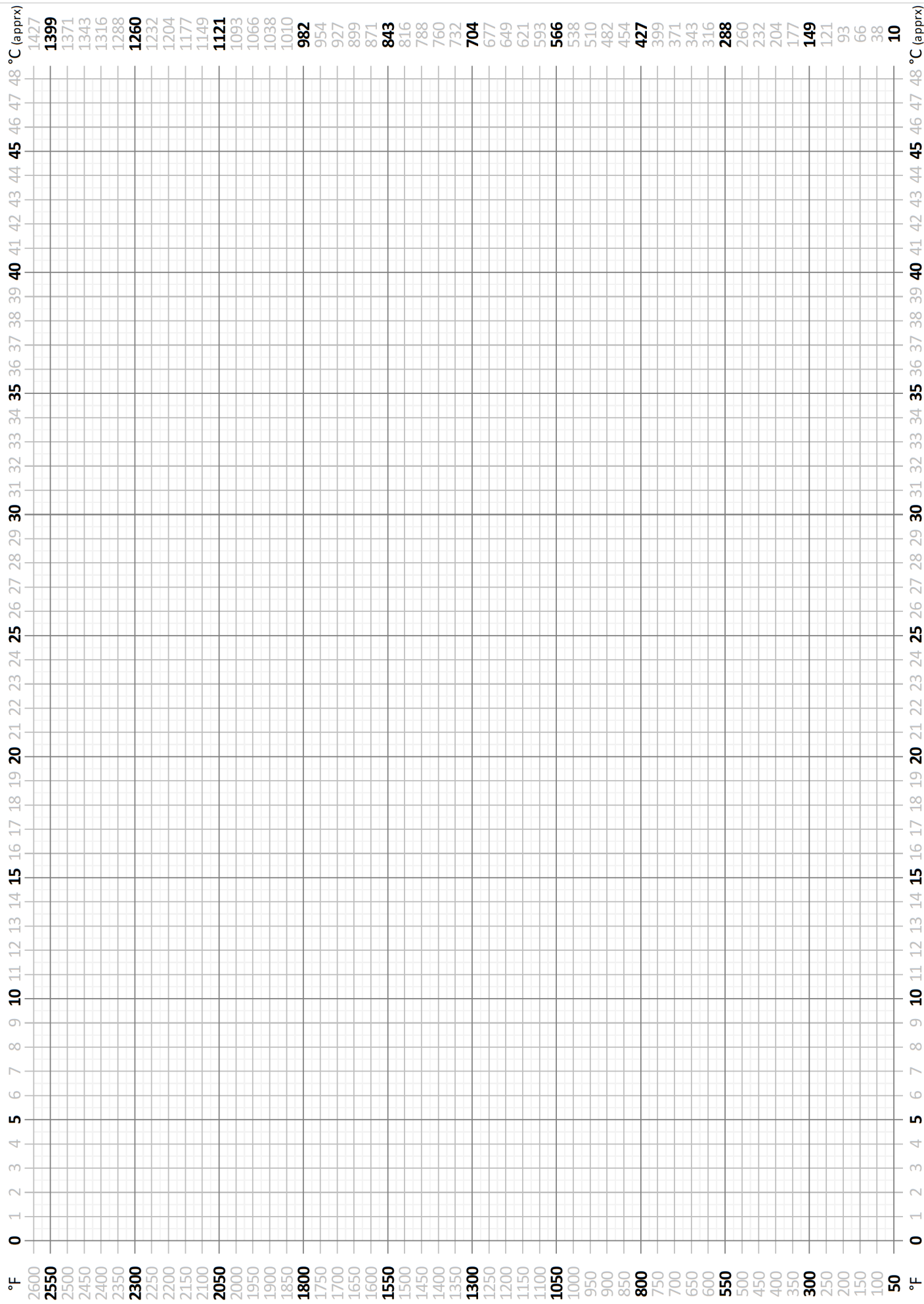


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Duration in Hours

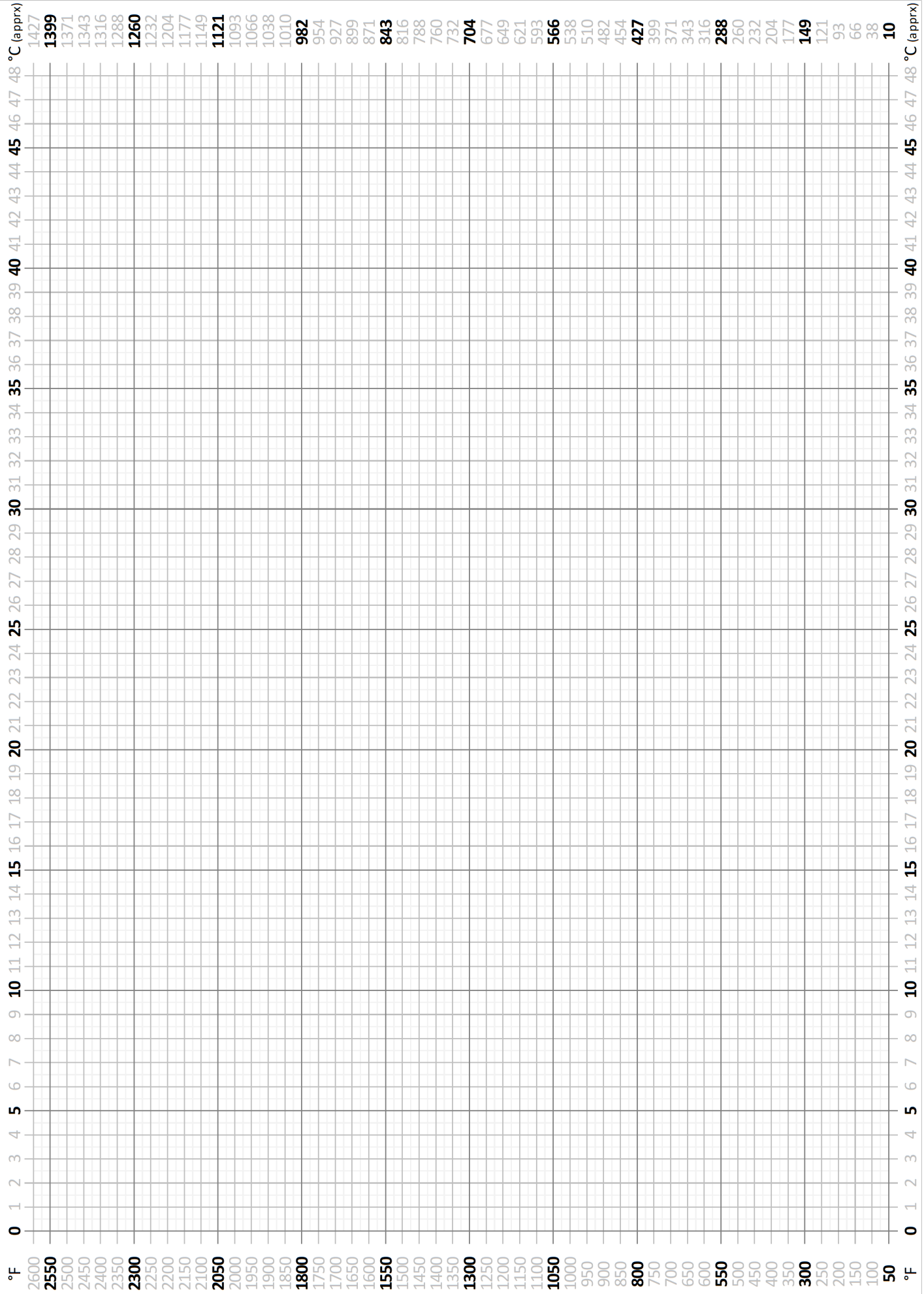


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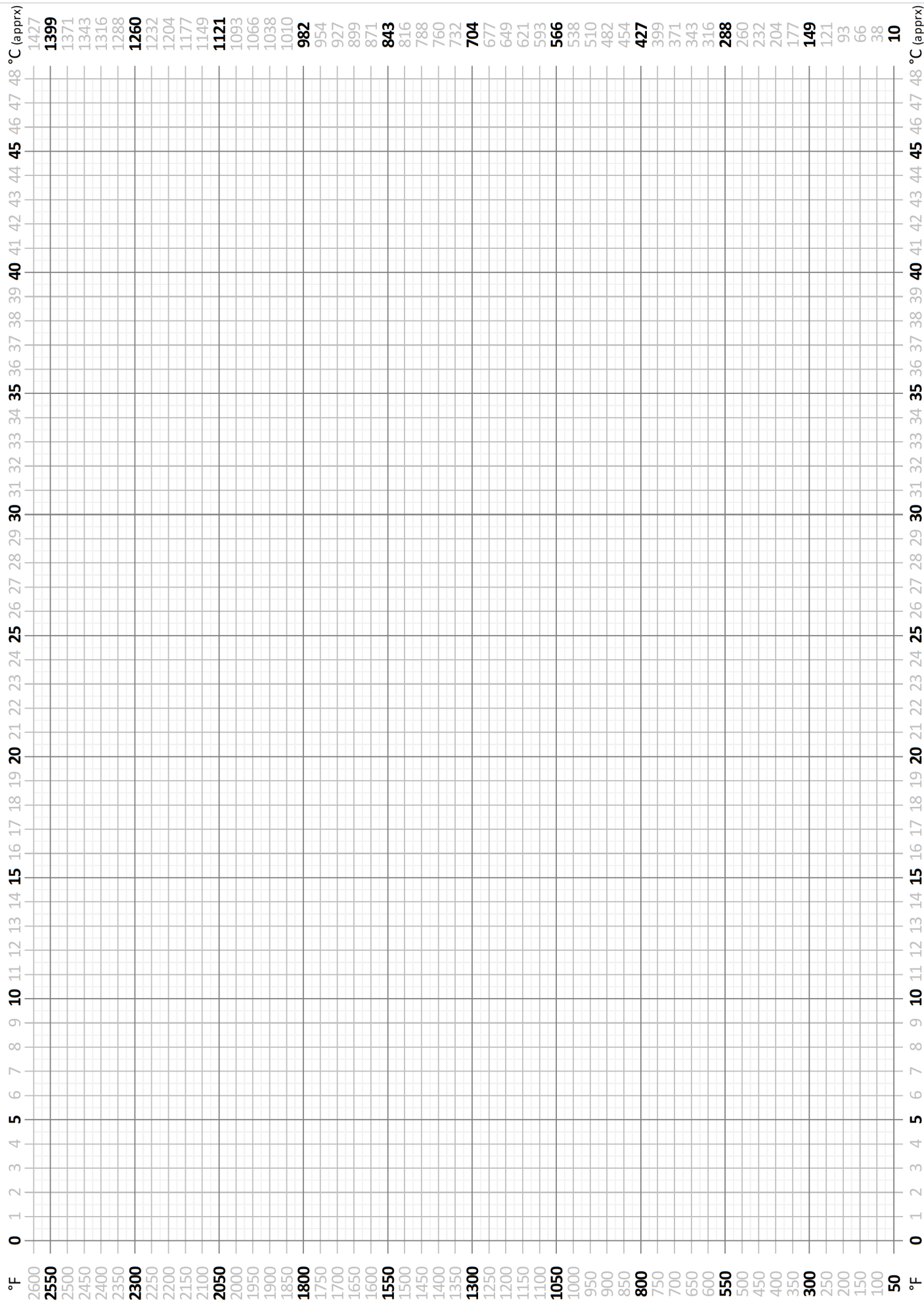


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**Additional Notes**

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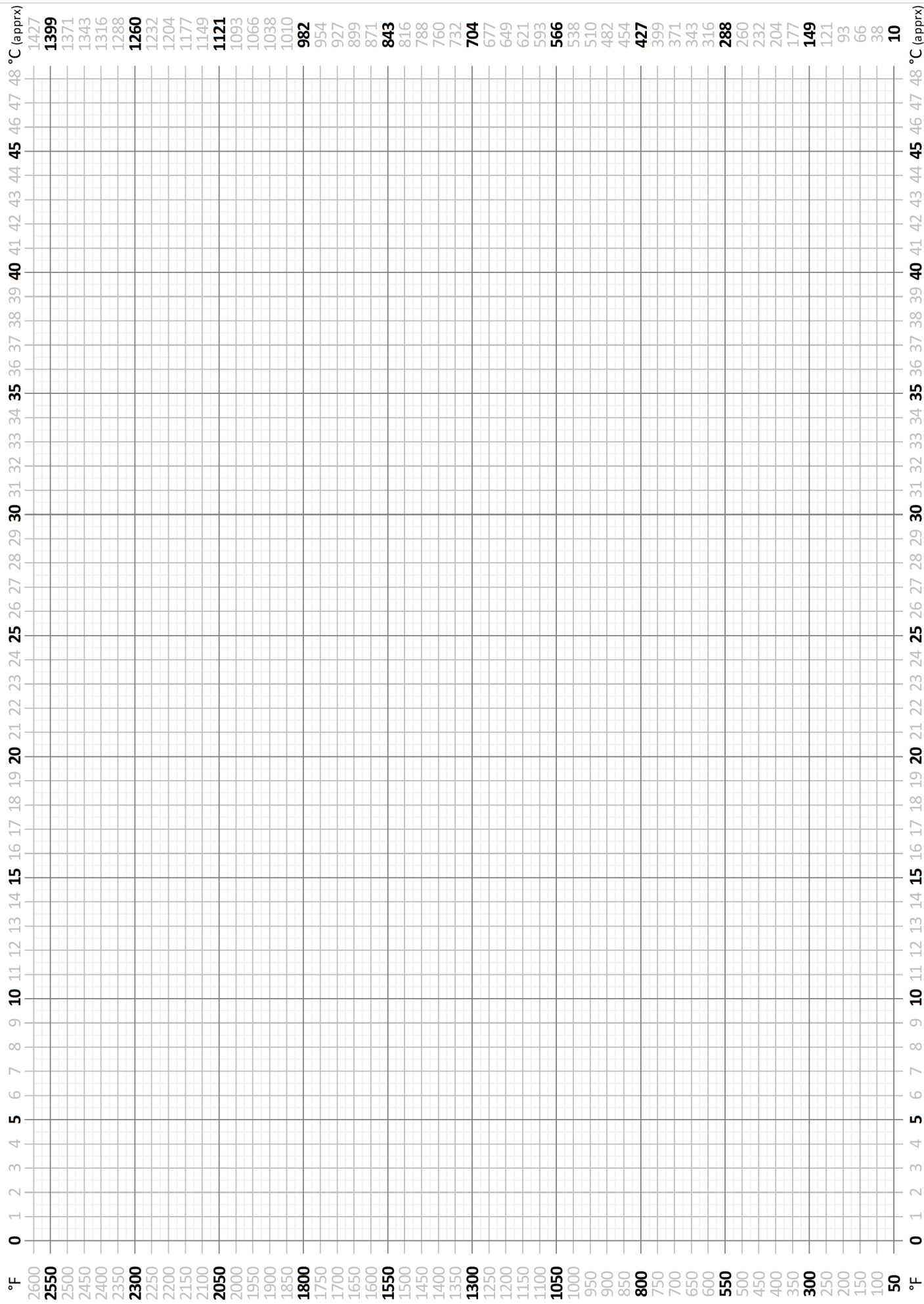
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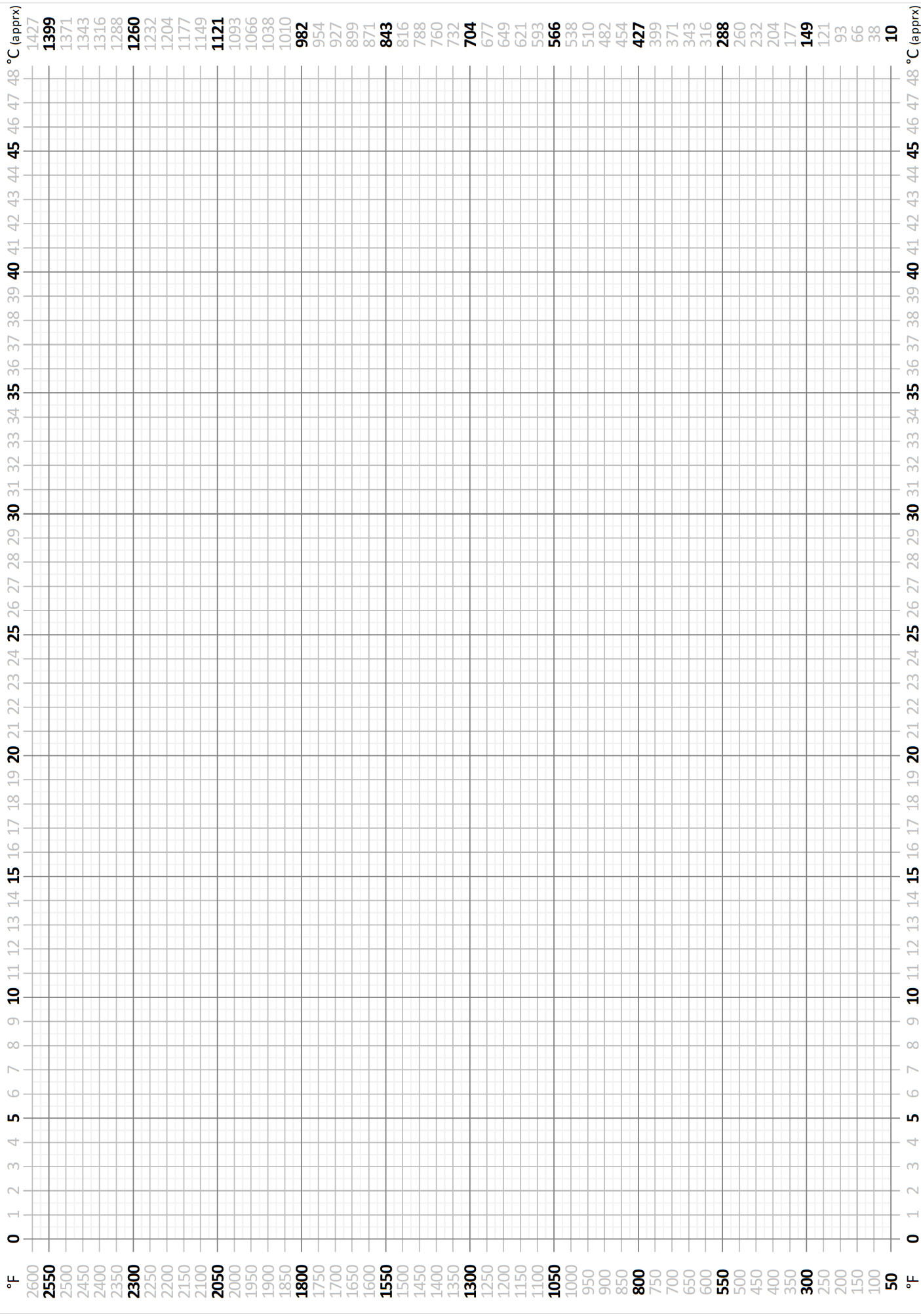


Duration in Hours





Duration in Hours



°F

2600

**2550**

2500

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2400

2350

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2100

**2050**

2000

1950

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**1800**

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1700

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**1550**

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649

621

593

**566**

538

510

482

454

**427**

399

371

343

316

**288**

260

232

204

177

**149**

121

93

66

38

**10**

°C (apprx)

48

47

46

45

44

43

42

41

**40**

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36

**35**

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**30**

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**25**

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**20**

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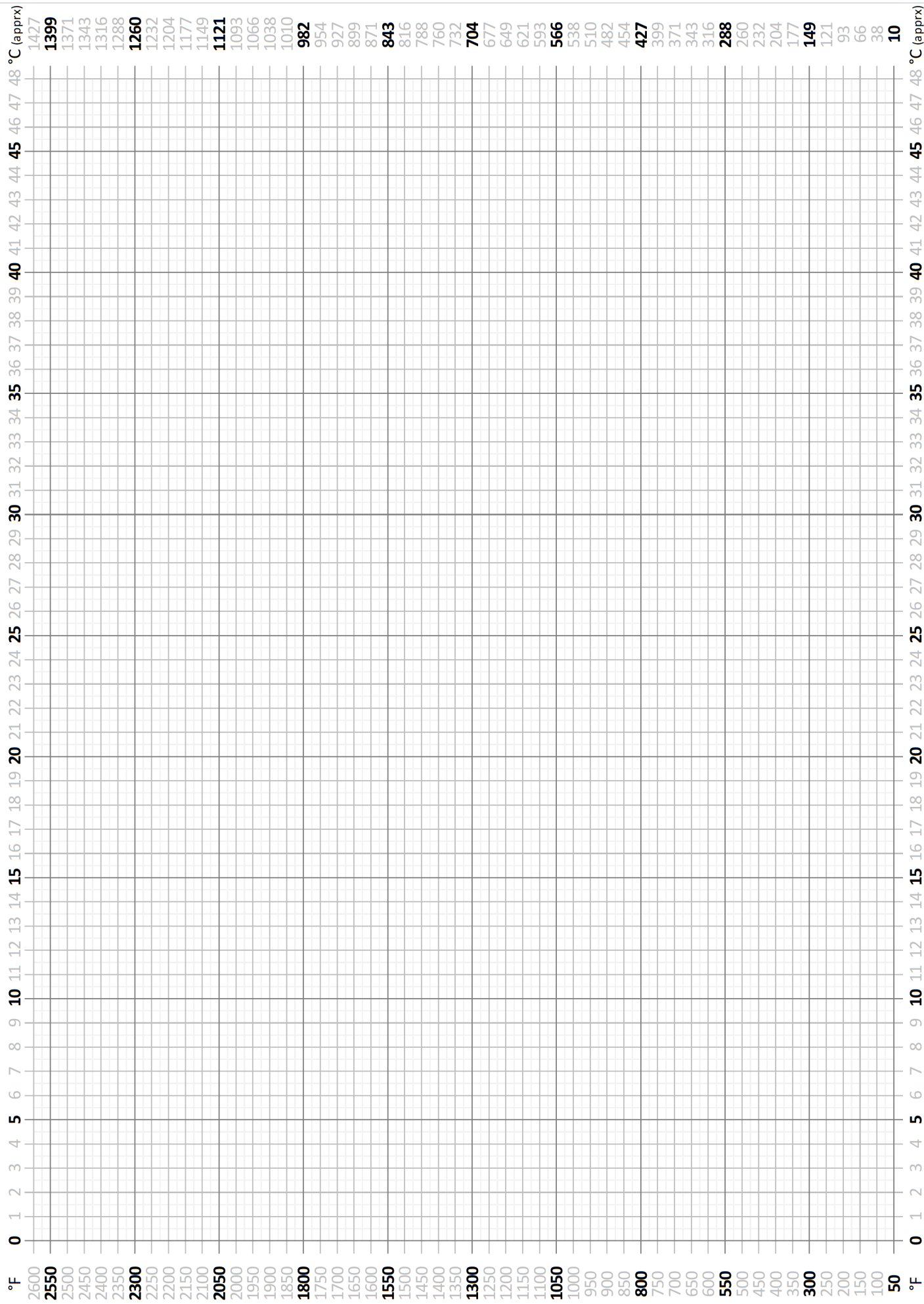
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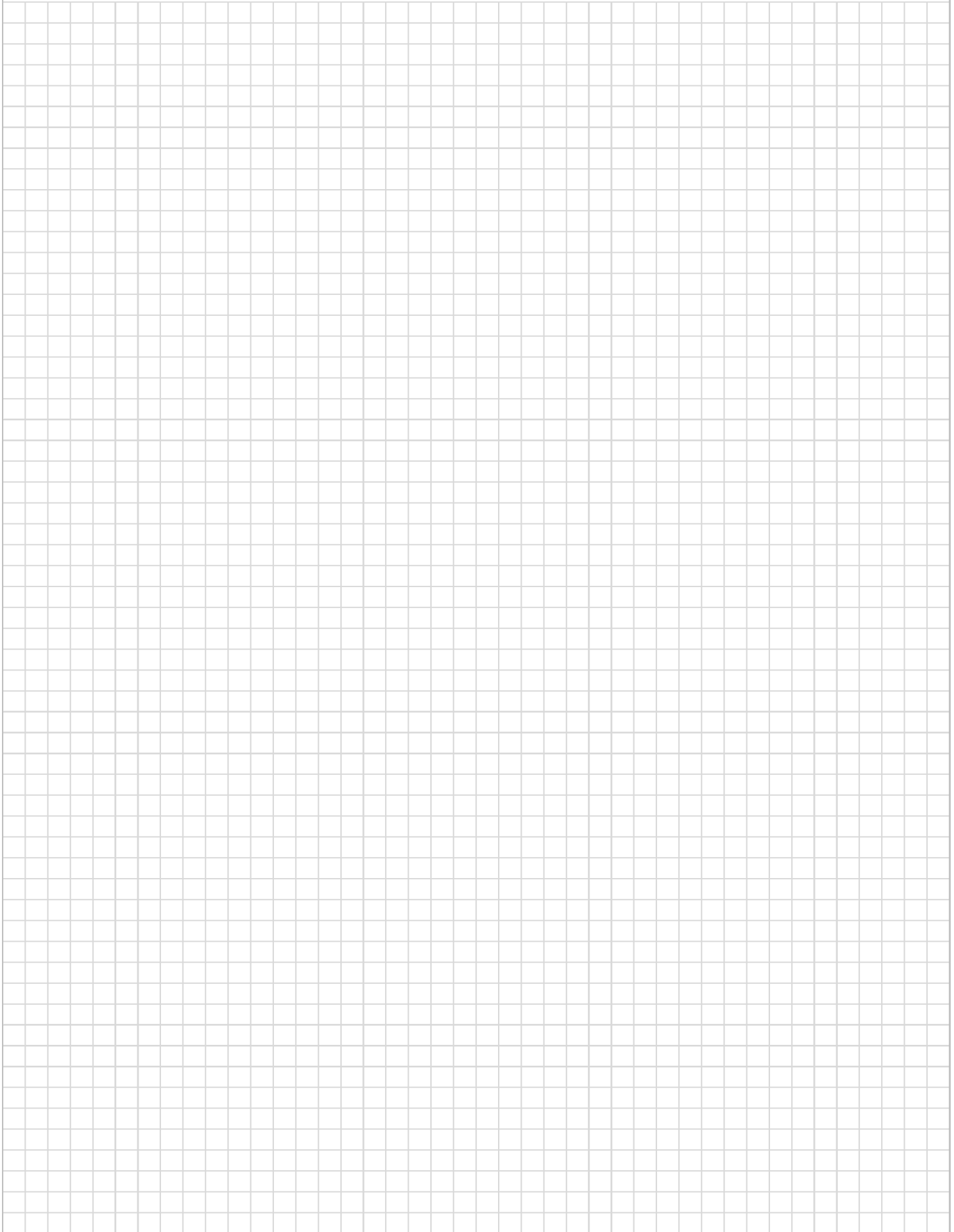
Additional Notes

Duration in Hours



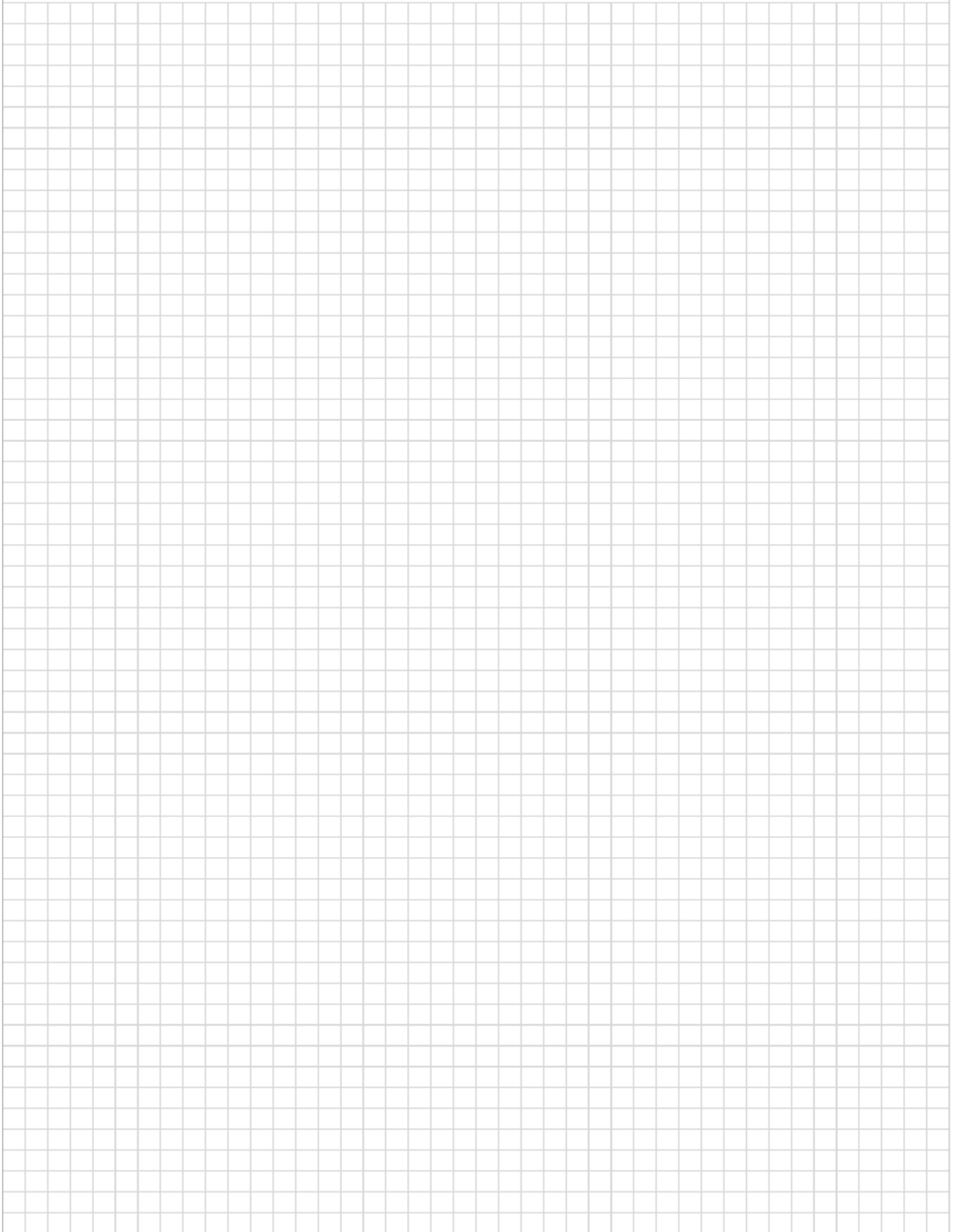


## *Notes / Sketches*



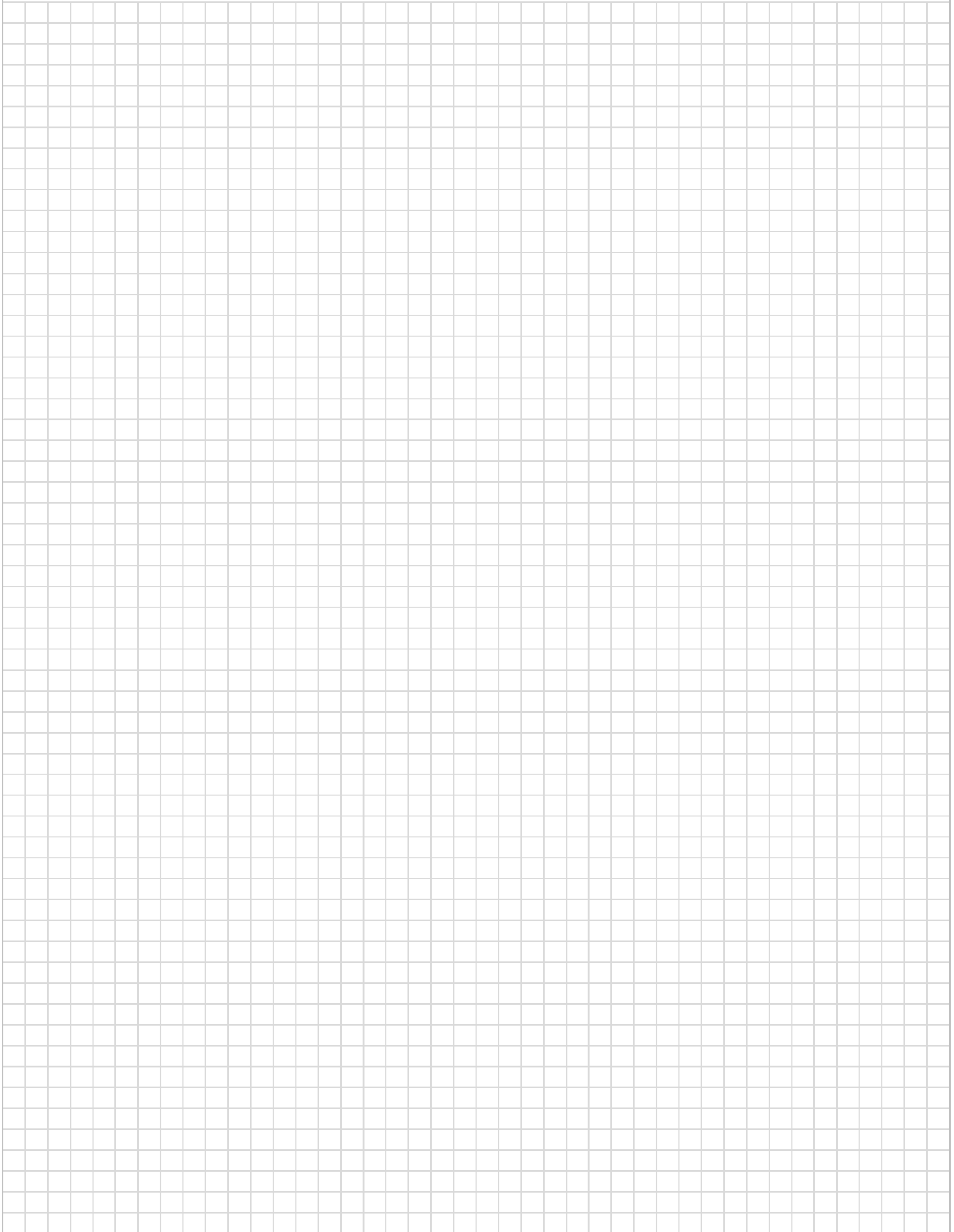


## *Notes / Sketches*





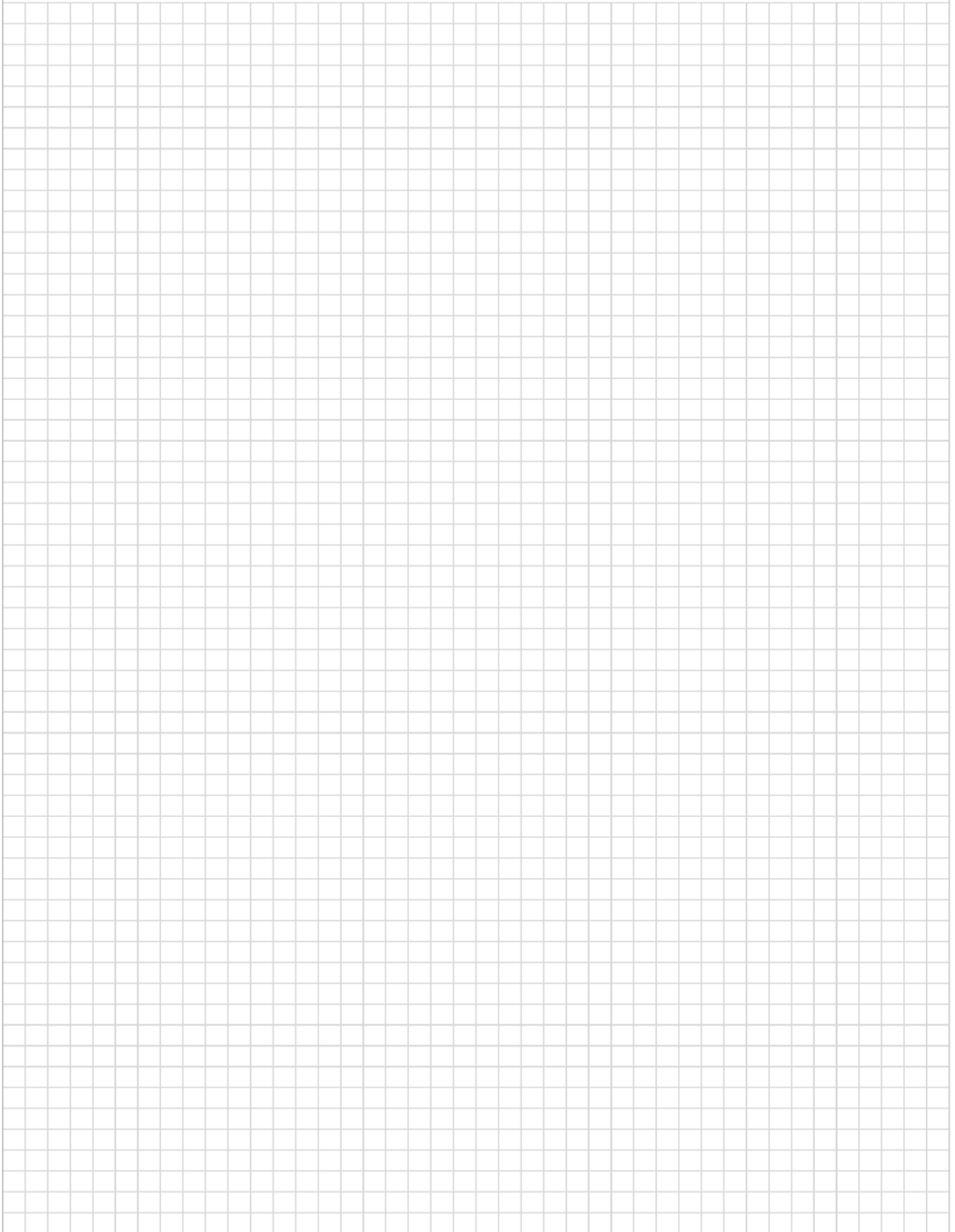
# *Notes / Sketches*





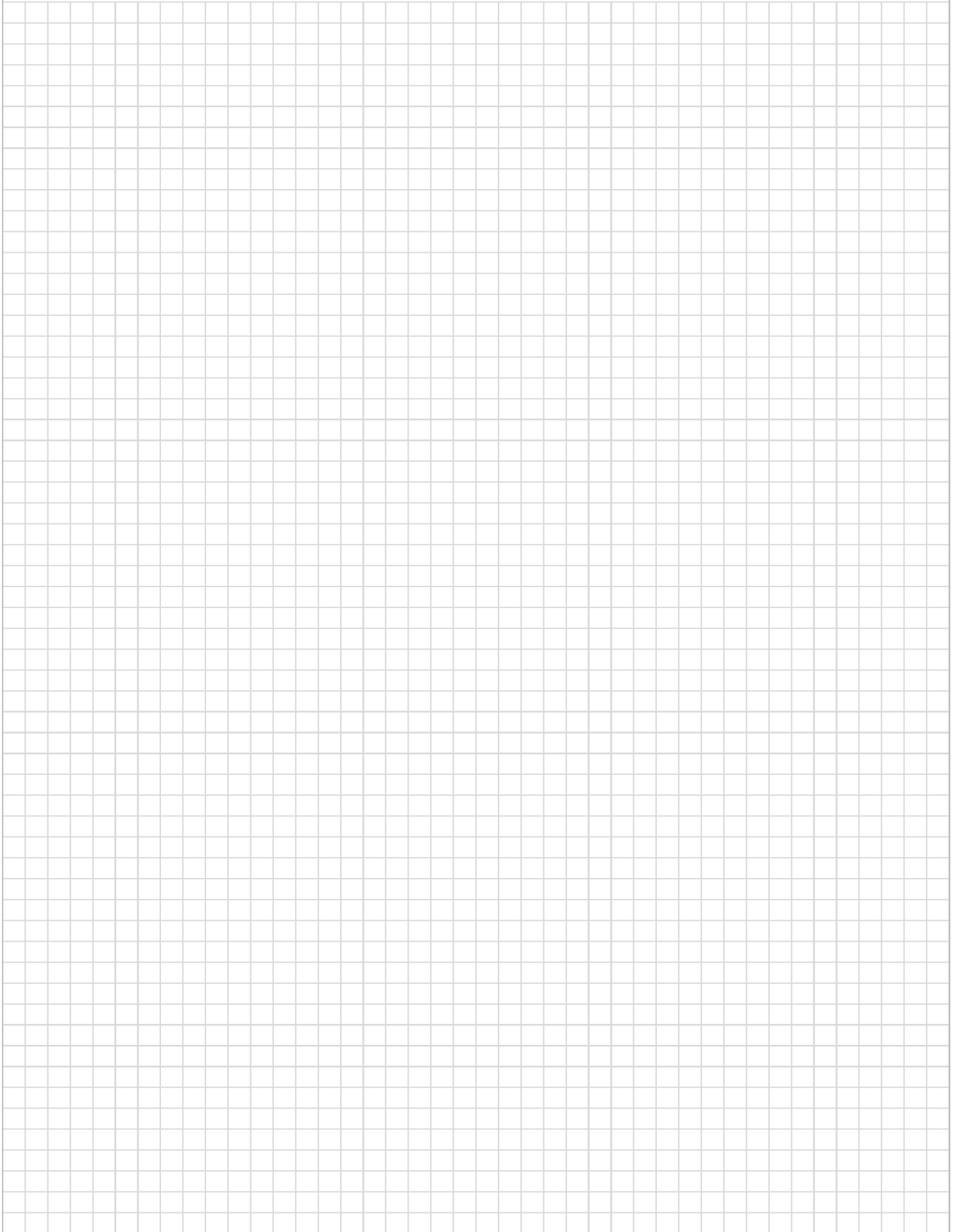


## *Notes / Sketches*



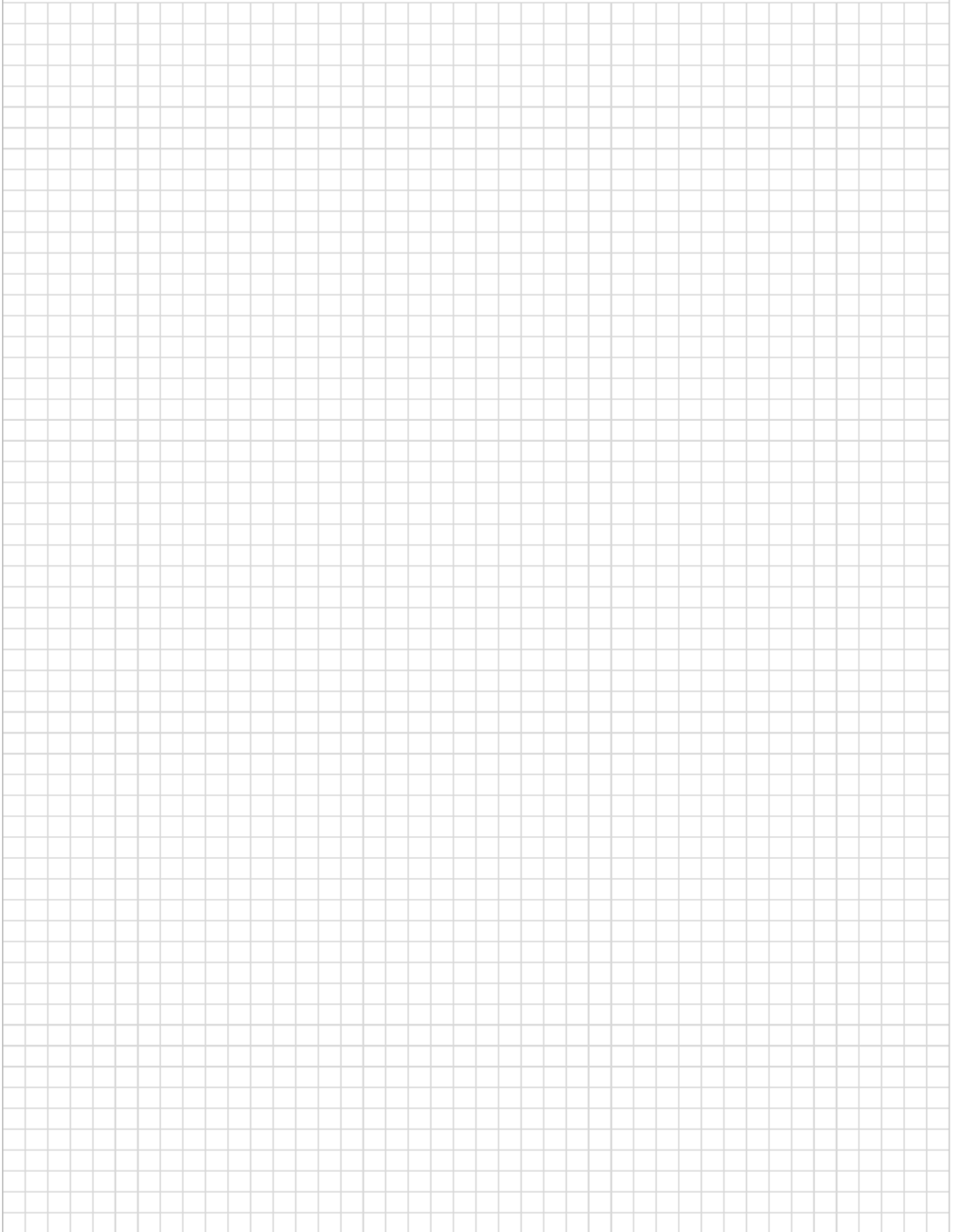


## *Notes / Sketches*





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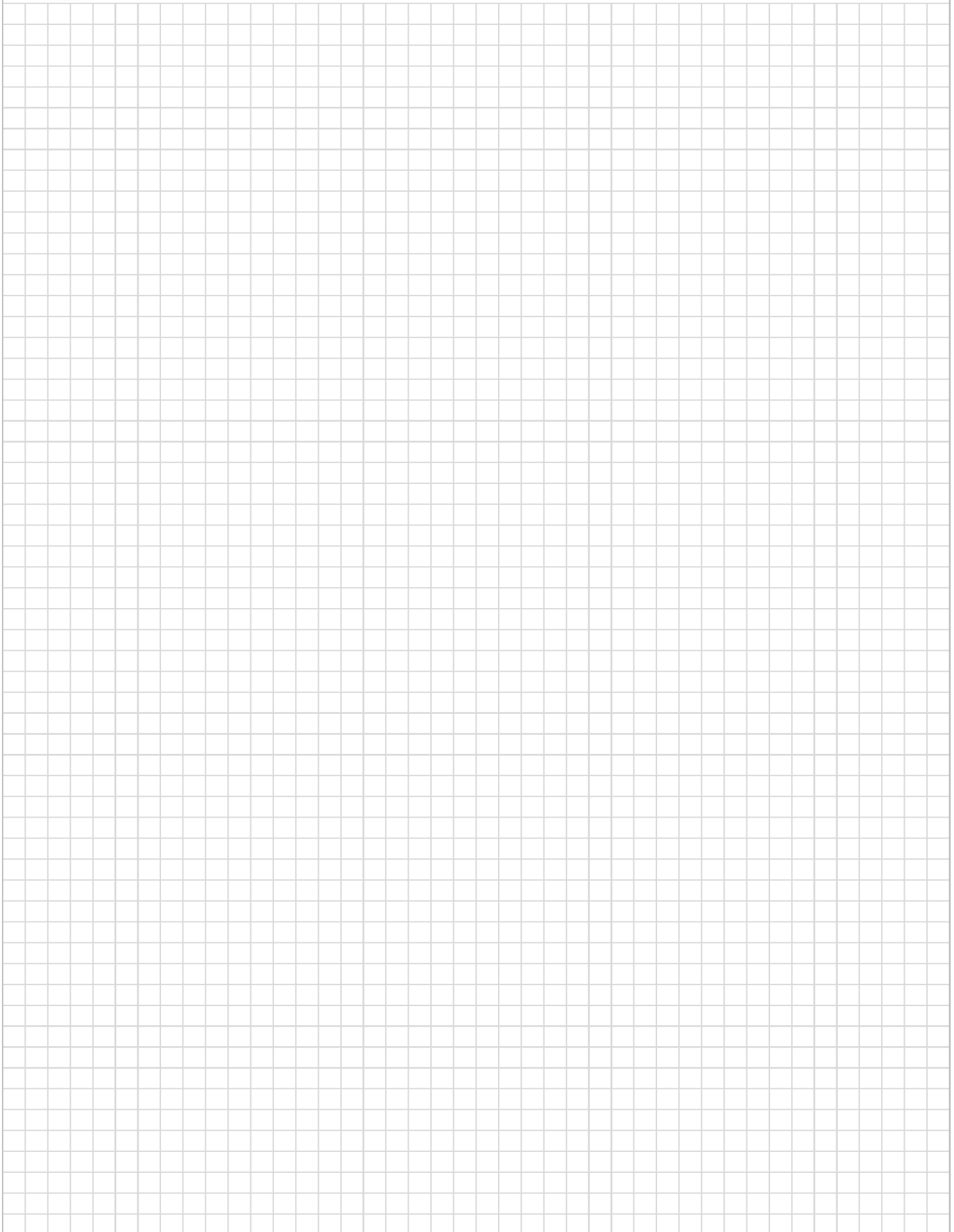






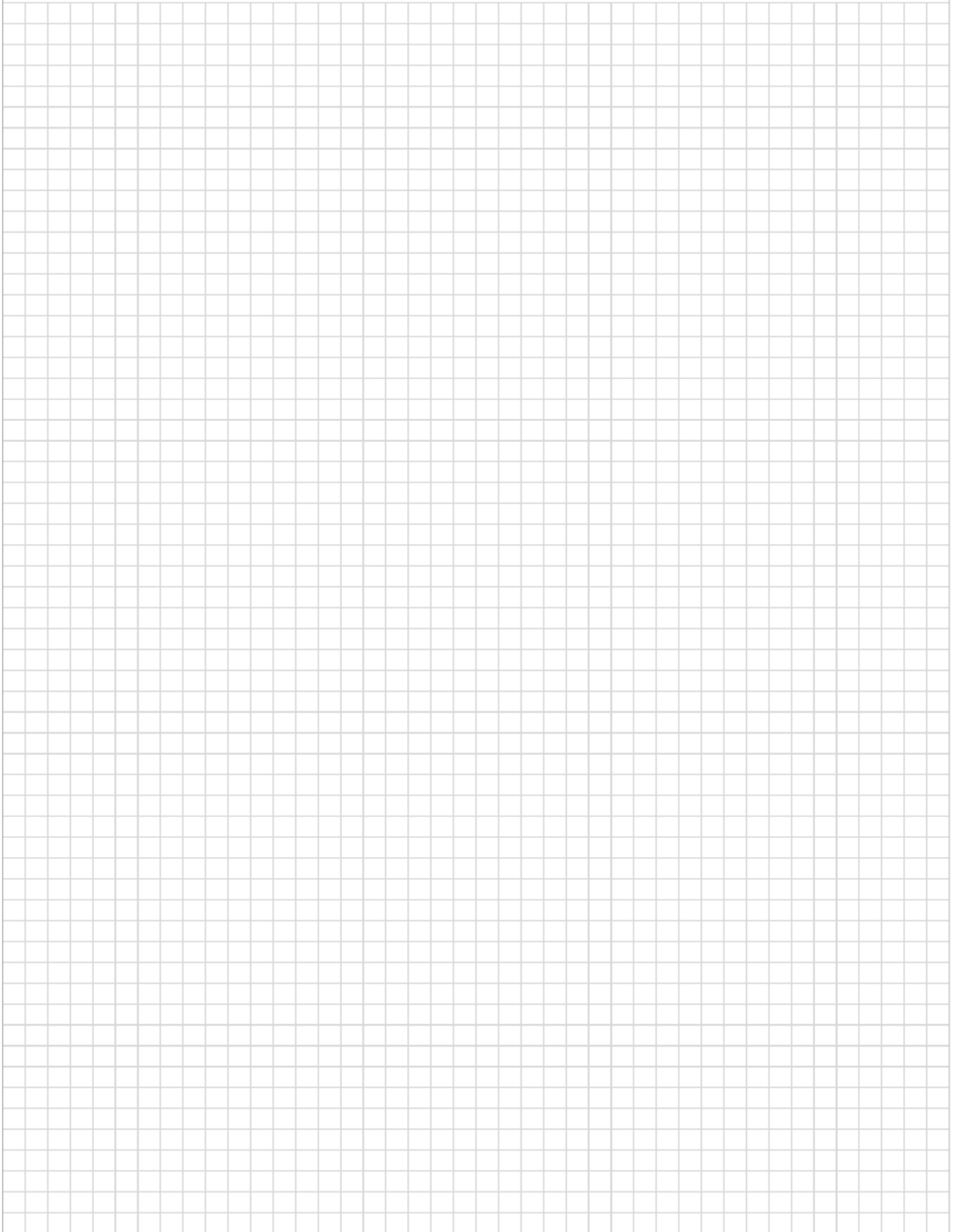


## *Notes / Sketches*





## *Notes / Sketches*



Enjoy  
Your  
Creative  
Impulses!



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## From the Author

Admittedly, I made this for "future me", for when I actually have my own kiln again to program and maintain. It's designed to integrate with the *CERAMICS! Testing and Glazing Log* and *CERAMICS! Glaze Recipe Tracker* books.

It is my hope that by making these and future trackers and logs available for purchase others might find them helpful as well, and that I might even earn some coin along the way to help support my own creative impulses. :D)

~ Pigasus.Studio

## Thank You

Thank you for your purchase, we hope you enjoy using this tracker.



**Do you like this tracker but wish your own image were on it, or there were different data rows, or it came in a larger or smaller overall size?** Woodrose Press will happily personalize a future tracker for you to purchase with no additional charge for the personalization! Please see the website for more information.

Website: <https://Ordinary-Dreams.com/Woodrose-Press>

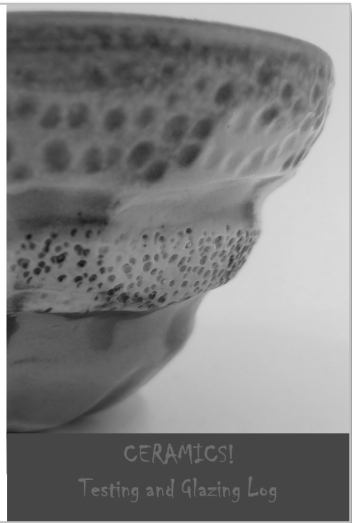
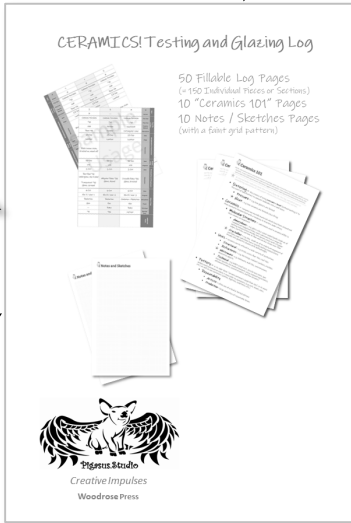
# Pigasus.Studio's CERAMICS! Series and How the Books Can Be Used Together



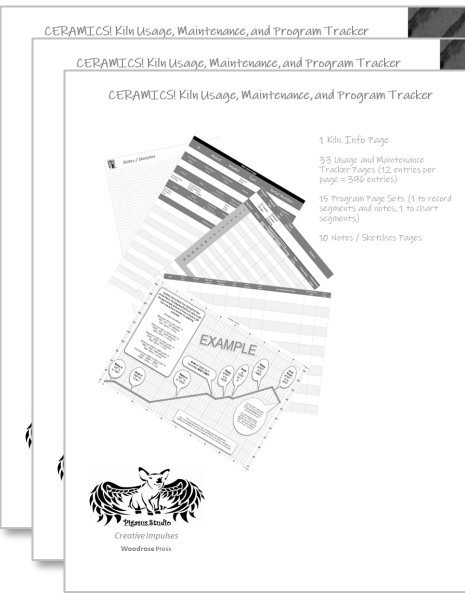
Create a glaze and track the recipe and its use here.

Cross reference glaze recipes with glazed items.

Log glazing and firing decisions here for test tiles and glazed pieces.



Cross reference firings with kilns\* and programs used.



Track kiln info, use, maintenance, and programs here.

\* Designed for 1 kiln per book; if you want to track multiple kilns you'll want multiple books.