

Watch Movement Specification and Drawing

CALENDAR

Cal. VX42E

Movement Size

11 1/2'''

Casing Diameter

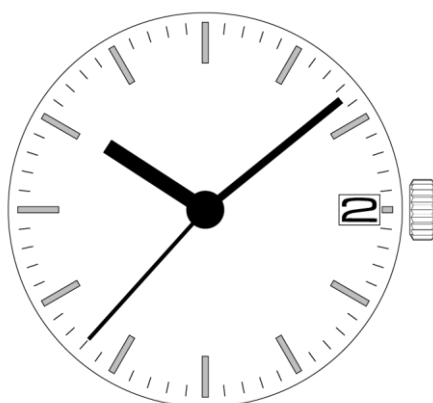
Ø 25.6mm

Height

2.62mm

Battery Life

3 years

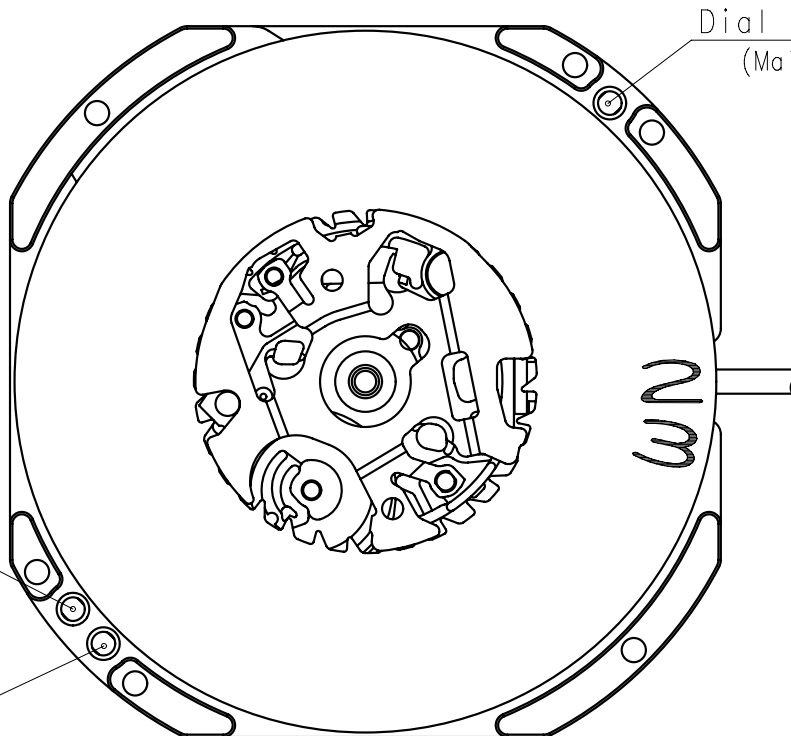
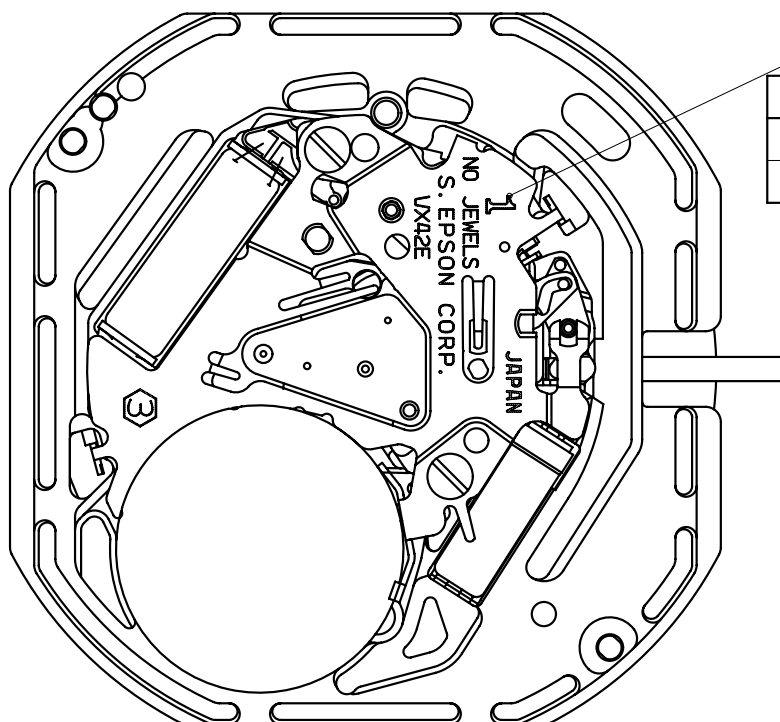


Date: 4/Aug./'23

Cal. VX42E

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Dial-02	02	6-02
Dial-03	01	6-03
Dial-04	01	6-04
Dial-06	01	6-06
Dial-08	01	6-08
Dial-09	01	6-09
Dial-10	01	6-10
Dial-11	01	6-11
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Dial-15	02	6-15
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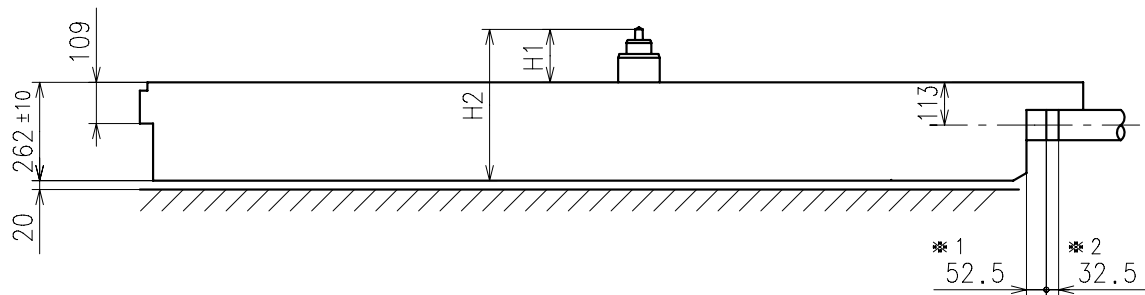
Cal.	VX42E	Specifications	Date : 18/Sep./'20
			Rev. : 04
Analog Quartz 11 1/2" Slim Movement / Three hands(H/M/S) with Calendar			
1. MOVEMENT DIMENSIONS			
Outside diameter	φ 26.40mm × 23.50mm(3-9H) × 23.50mm(12-6H)		
Casing diameter	φ 25.60mm × 21.90mm(3-9H) × 23.50mm(12-6H)		
Total height	2.62mm (including battery)		
2. TIME STANDARD			
Type of quartz oscillator	Tuning fork		
Frequency of quartz oscillator	32,768 Hz		
Accuracy	±20 seconds per month (on wrist)		
Operating temperature range	-5°C to +50°C		
Regulation device	Nil (Pre-adjusted)		
3. INDICATOR / FUNCTIONS			
3 Hands	Hour / Minute / Second		
Calendar	Instant setting device for date calendar		
Reset switch			
Setting mechanism	Crown at normal position	: Free	
	Crown pulled out 1st click	: Instant date change	
	Crown pulled out 2nd click	: Time setting / Reset	
4. FEATURES			
Jewels	0 Jewels		
Anti-magnetism	Over 1600A/m (Direct current magnetic field)		
Maximum unbalance of hands	Hour hand	: 0.5 μ N・m	
	Minute hand	: 0.6 μ N・m	
	Second hand	: 0.07 μ N・m	
5. BATTERY			
Type / Size	Silver oxide battery / φ 9.5mm × t 2.0mm		
Recommended battery	SR920SW (Maxell, Murata, Seizaiken)		
Nominal voltage	1.55 V		
Battery life	Approx. 3 years		
Driving current consumption	Approx. 1.6 μ A		
Operation stopping voltage	1.1 V		
6. SEPARATED PARTS (Parts code)			
Hand setting stem	0351177 or 0351578		
Battery	SR920SW		
7. TEST OF ACCURACY			
Equipment to be used	SEIKO quartz tester QT-99, Greiner quartz timer-C , Witschi Q-tester 4000		
Duration of measurement	10 seconds		
Microphone to be used	Electromagnetic detection type		
All specifications are subject to change without notice.			



Dial leg hole B
(Main hole)

Dial leg hole C
(Sub hole)

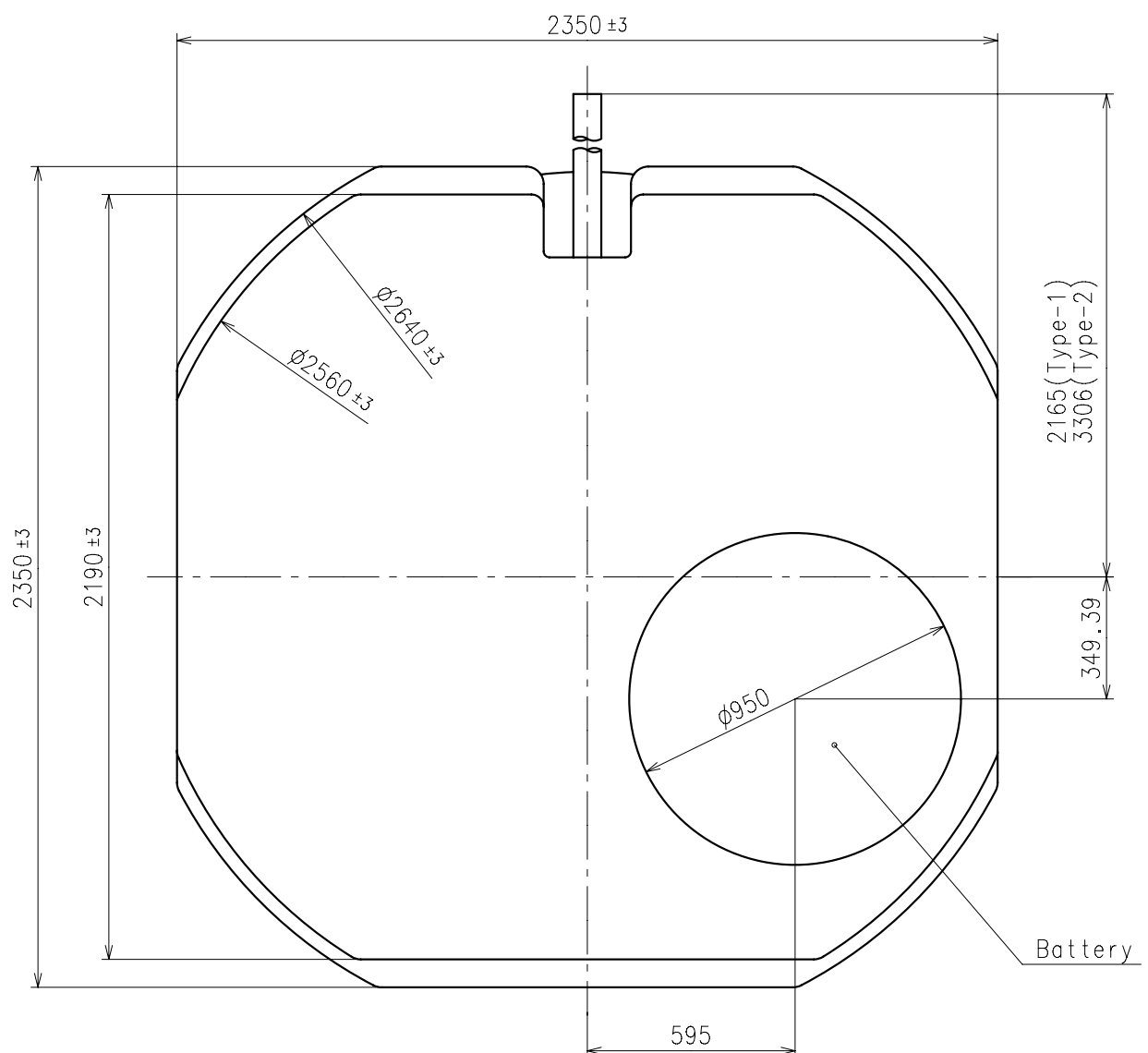
Dial leg hole A
(Main hole)



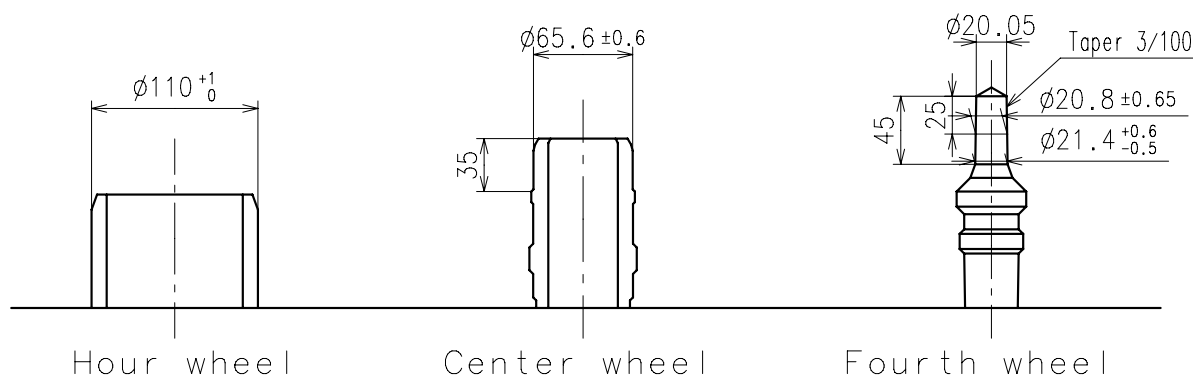
Center post		Type S (1) VX42E1*	Type M (2) VX42E2*
Maximum height from dial support	H1	140	182
Total height including movement	H2	402	444

*1:First pullout stroke

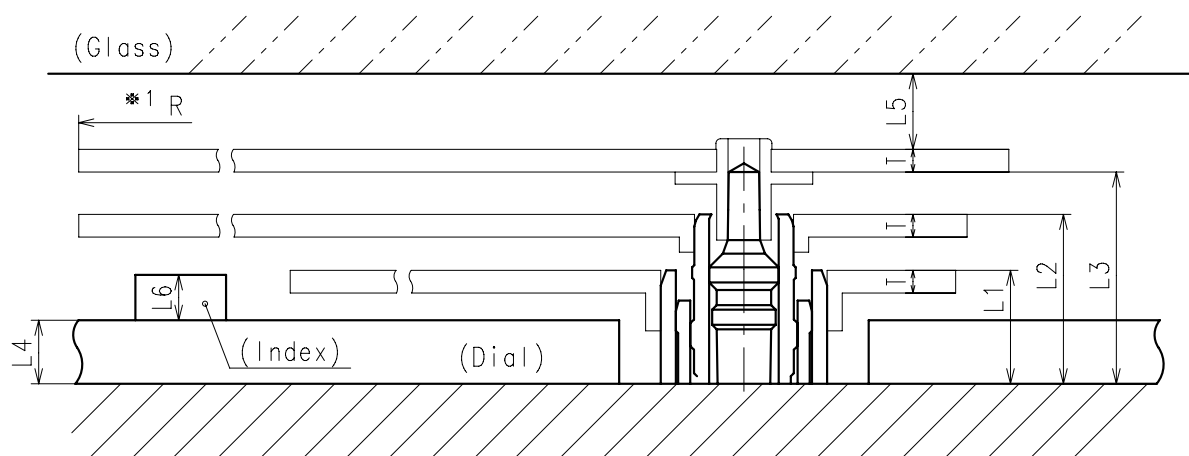
* 2: Second pullout stroke



- * Hour hand unbalance $\leq 0.5\mu\text{ N}\cdot\text{m}$ ($50\mu\text{ g}\cdot\text{m}$)
- * Minute hand unbalance $\leq 0.6\mu\text{ N}\cdot\text{m}$ ($60\mu\text{ g}\cdot\text{m}$)
- * Second hand unbalance $\leq 0.07\mu\text{ N}\cdot\text{m}$ ($7\mu\text{ g}\cdot\text{m}$)

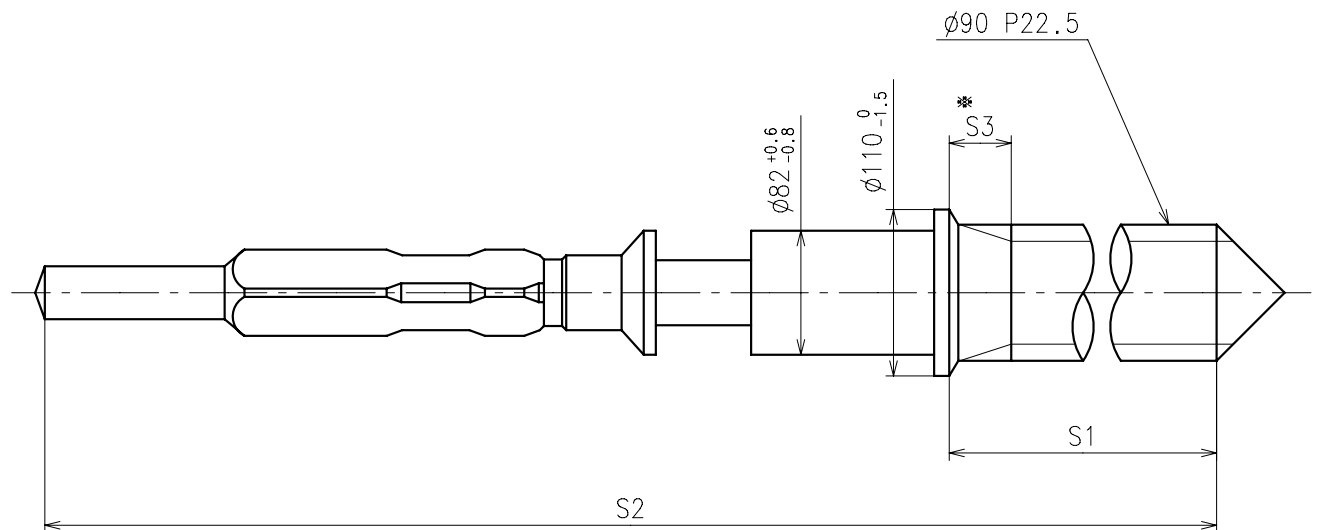


	Parts No.		
	Hour wheel	Center wheel	Fourth wheel
Type S (1) VX42E1*	0271929	0221929	0241929
Type M (2) VX42E2*	0271942	0221904	0241904



	L1	L2	L3	L4	L5	L6	T	*1 R
Type S (1) VX42E1*	75	112	140	40	MIN: 50	MAX: 30	15	MAX: 1250
Type M (2) VX42E2*	105	154	182	40	MIN: 50	MAX: 60	15	MAX: 1250

*1: It is the size taken into consideration for hands attachment.
Please observe some standard value specified in unbalance when using long hands.

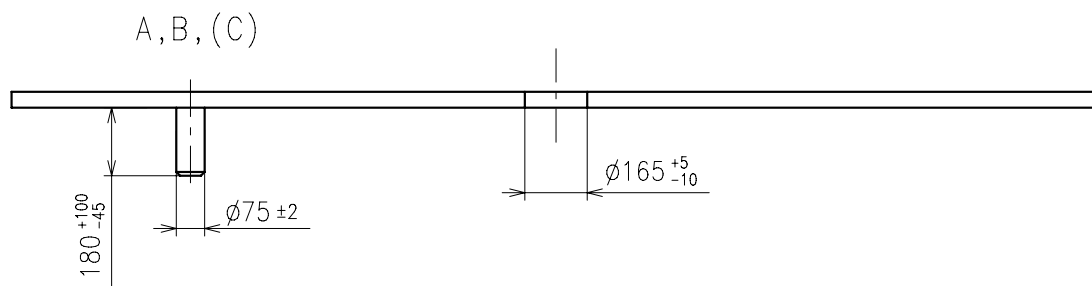
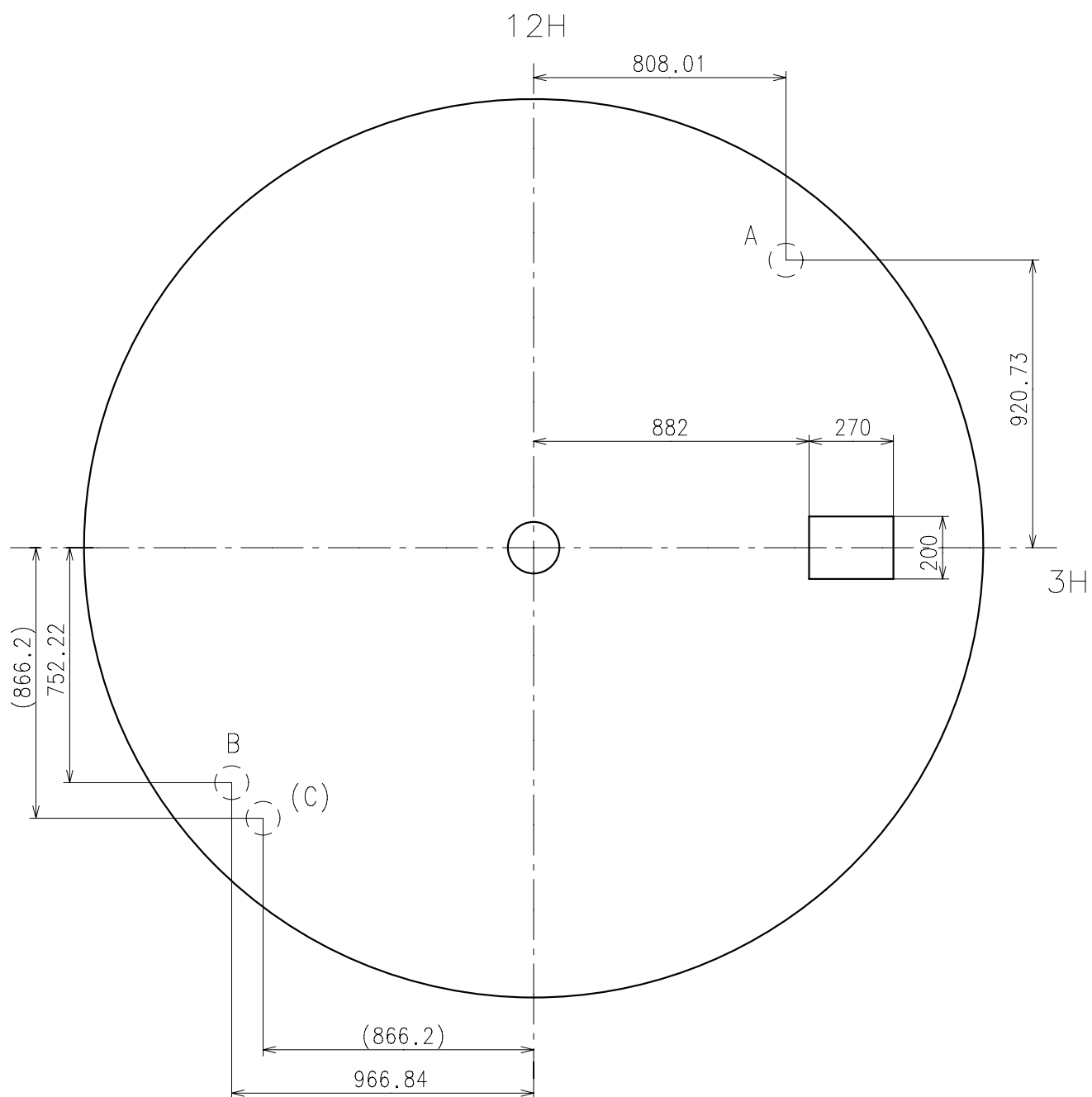


※ Not threaded

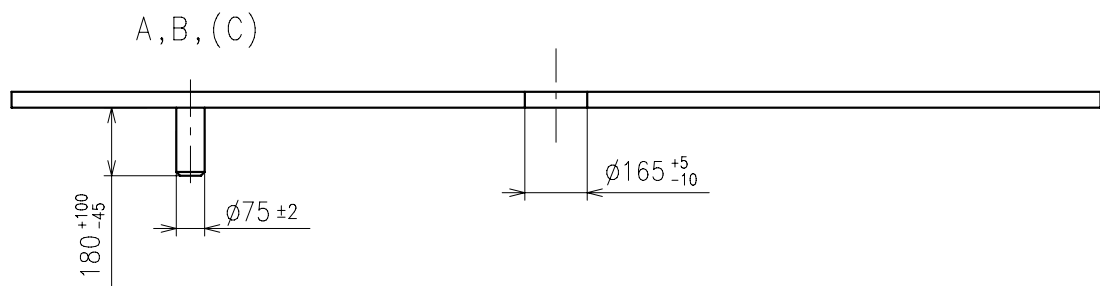
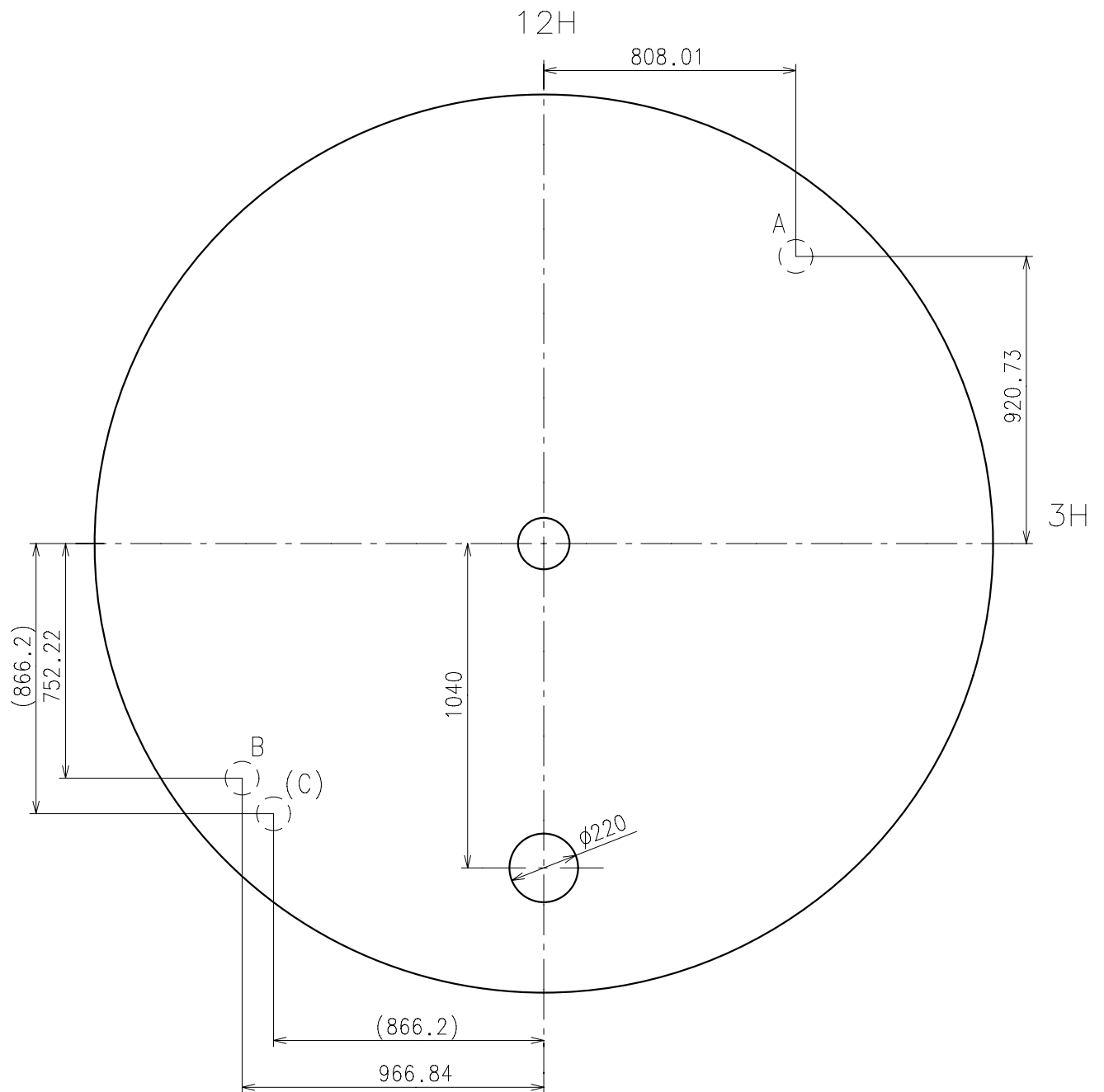
	Part No.	S1	S2	※ S3
Type-1 (Standard)	0351177	1366	1964	60
Type-2	0351578	2507	3105	650

Material : Steel

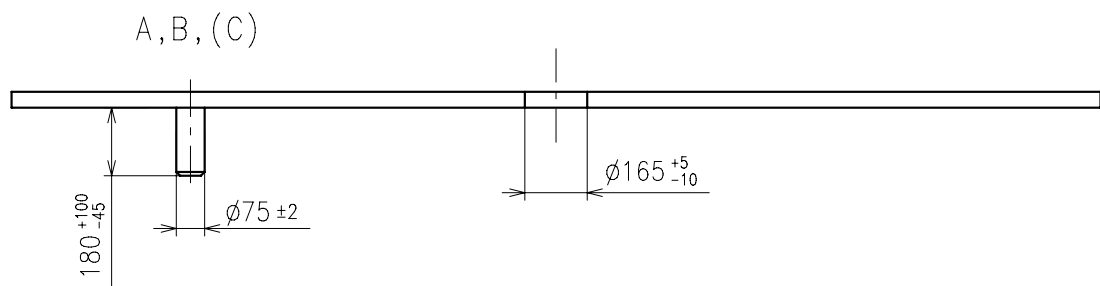
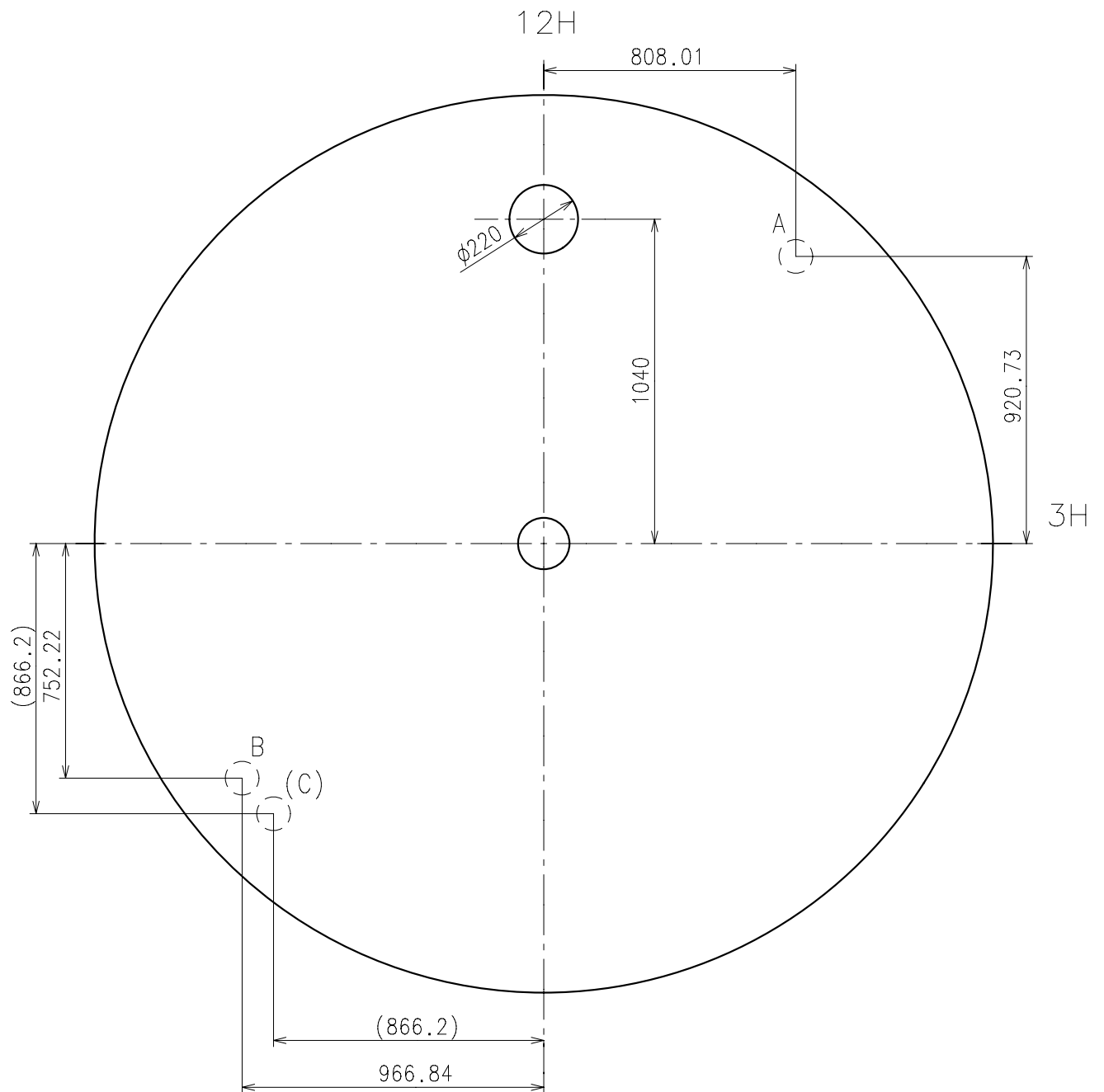
Hardness : Vickers 600±50



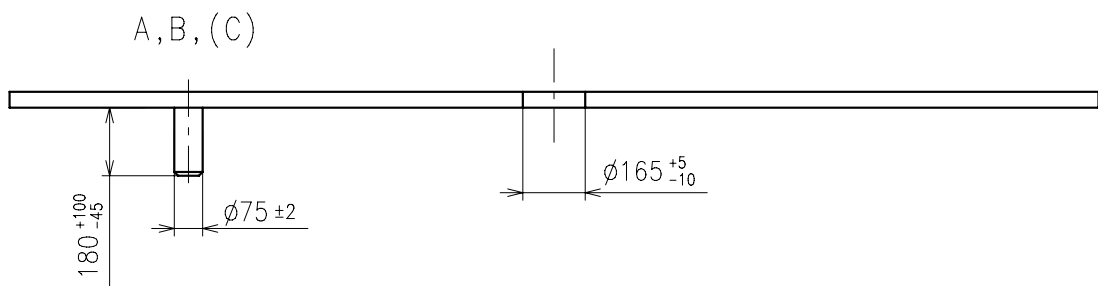
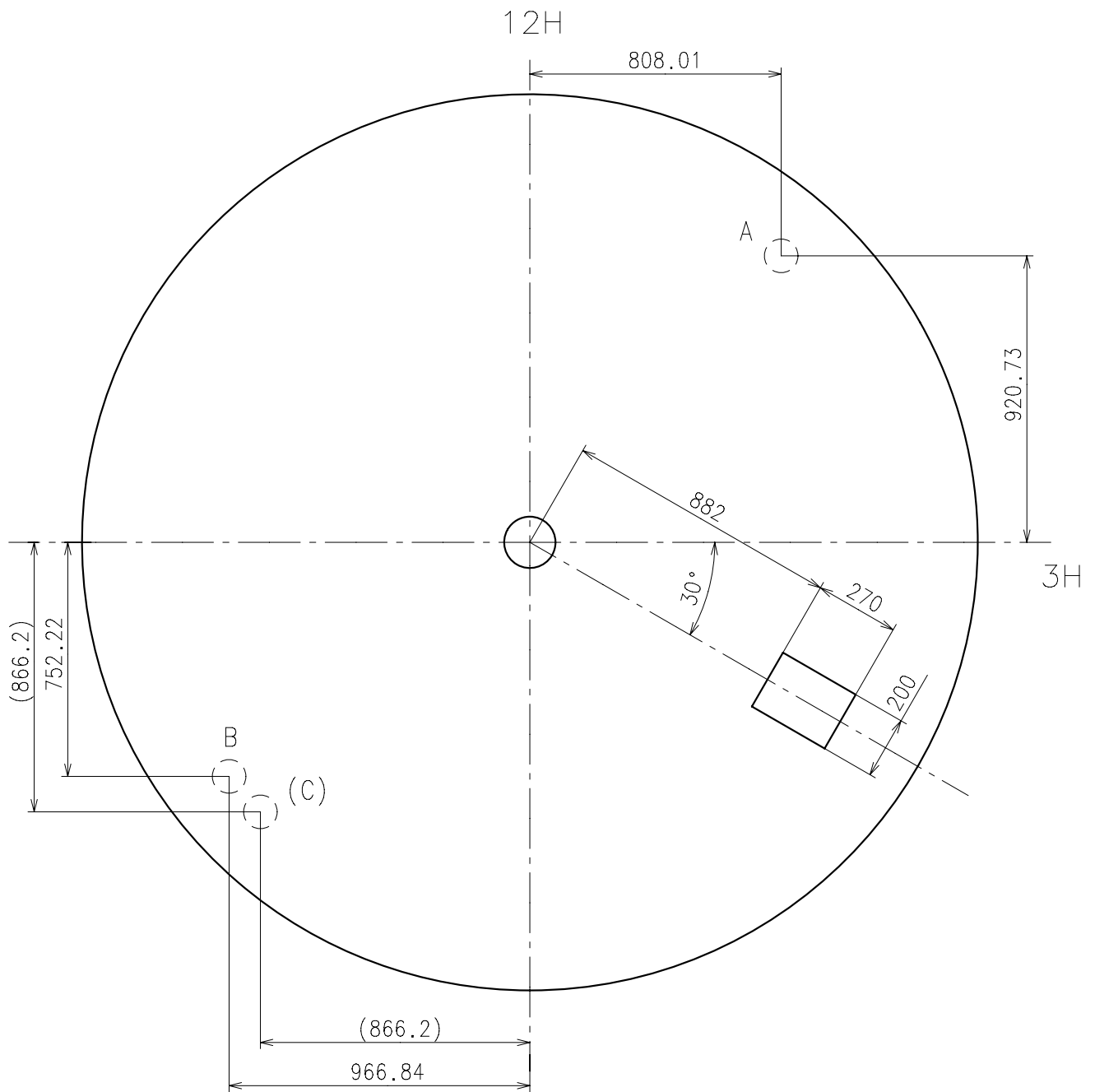
✱ Use dial leg A-B or (A-C)




※ Use dial leg A-B or (A-C)



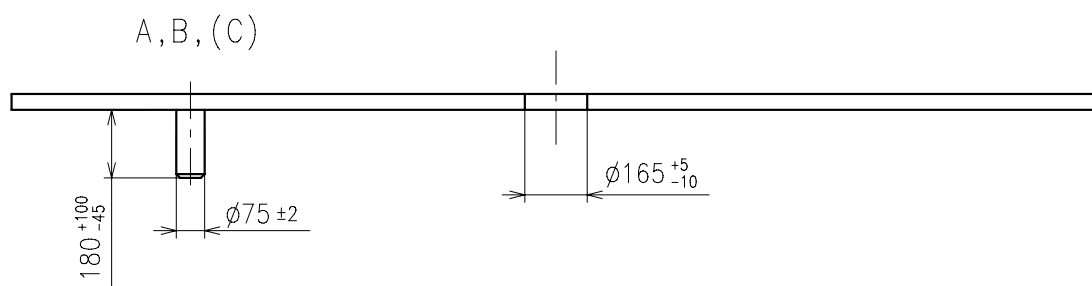
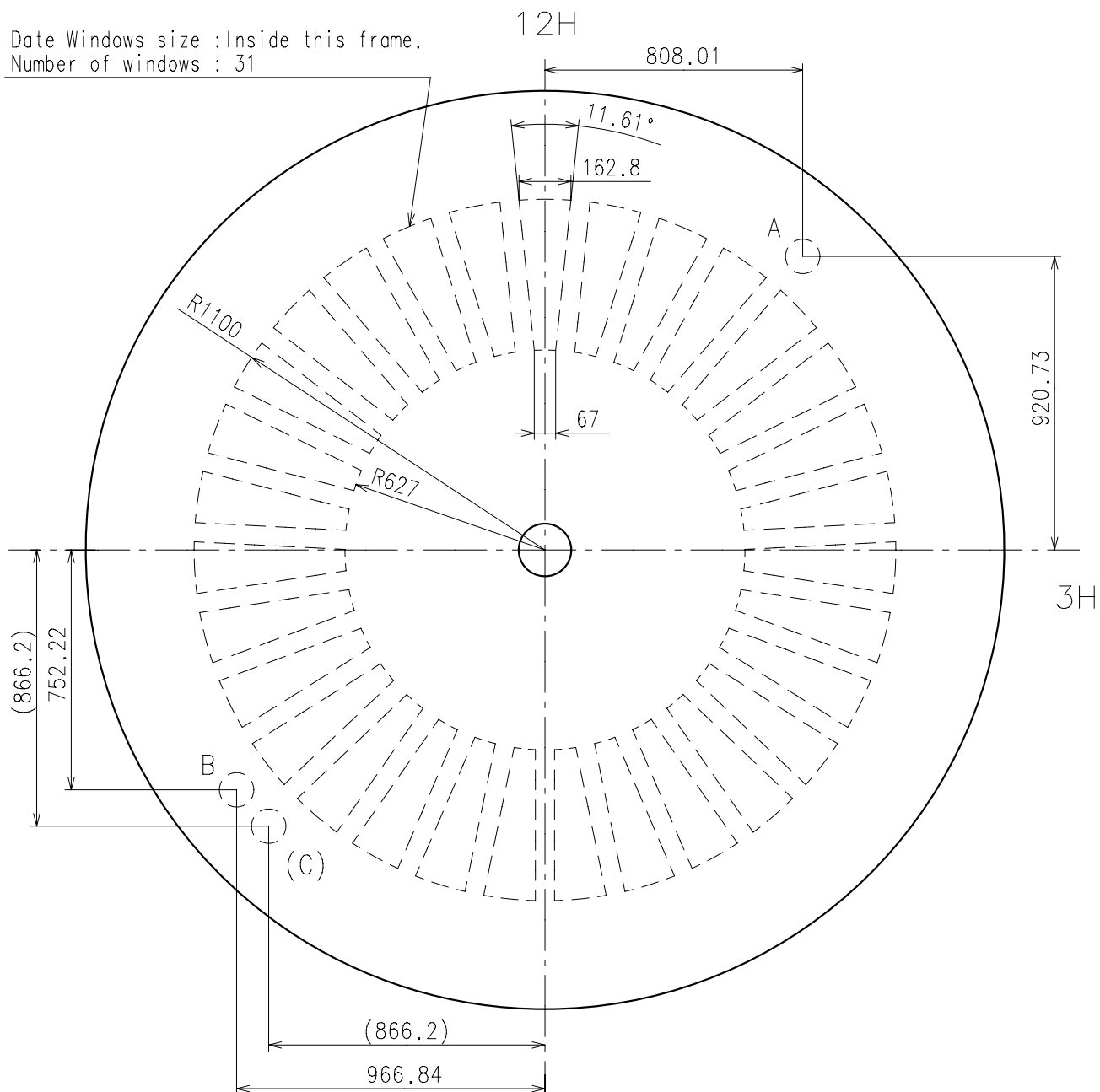
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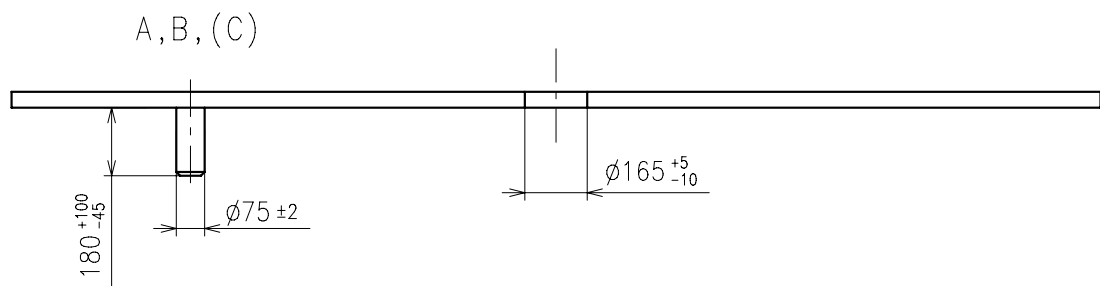
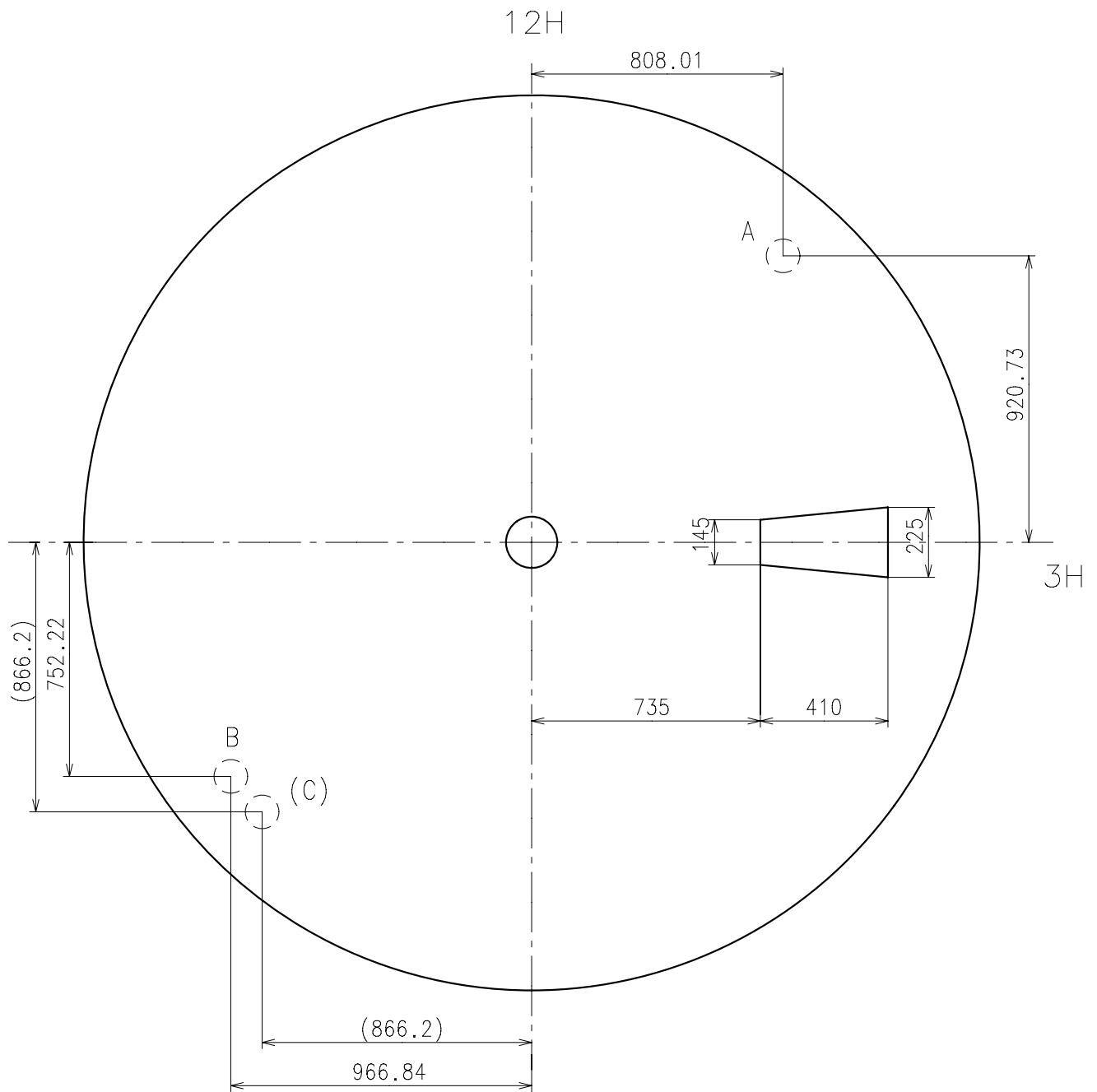
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Free form of Date Windows are possible within the  frame.
(Circle or square and etc.)

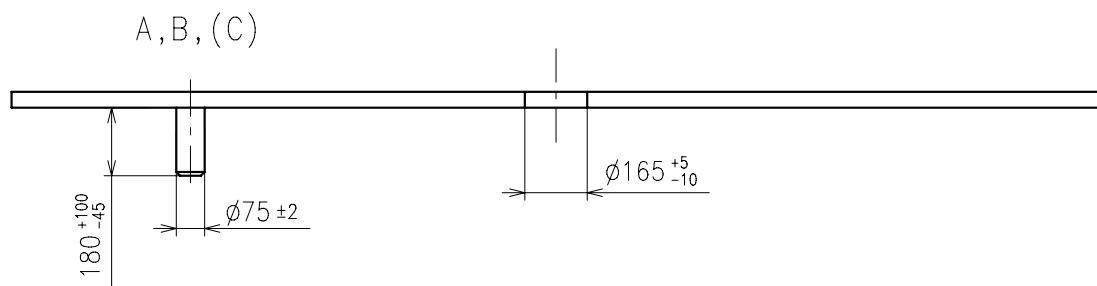
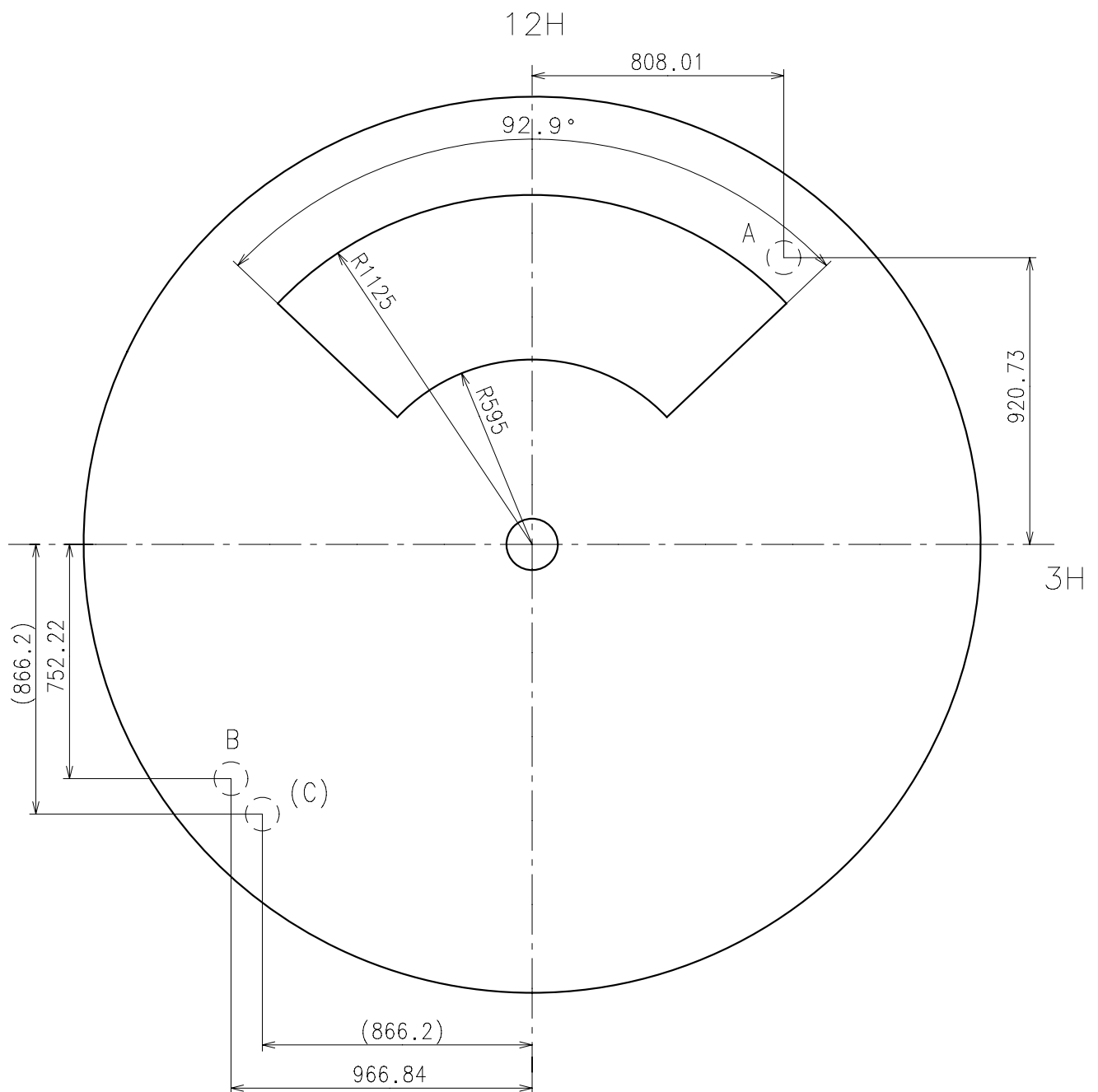
Date Windows size : Inside this frame.
Number of windows : 31



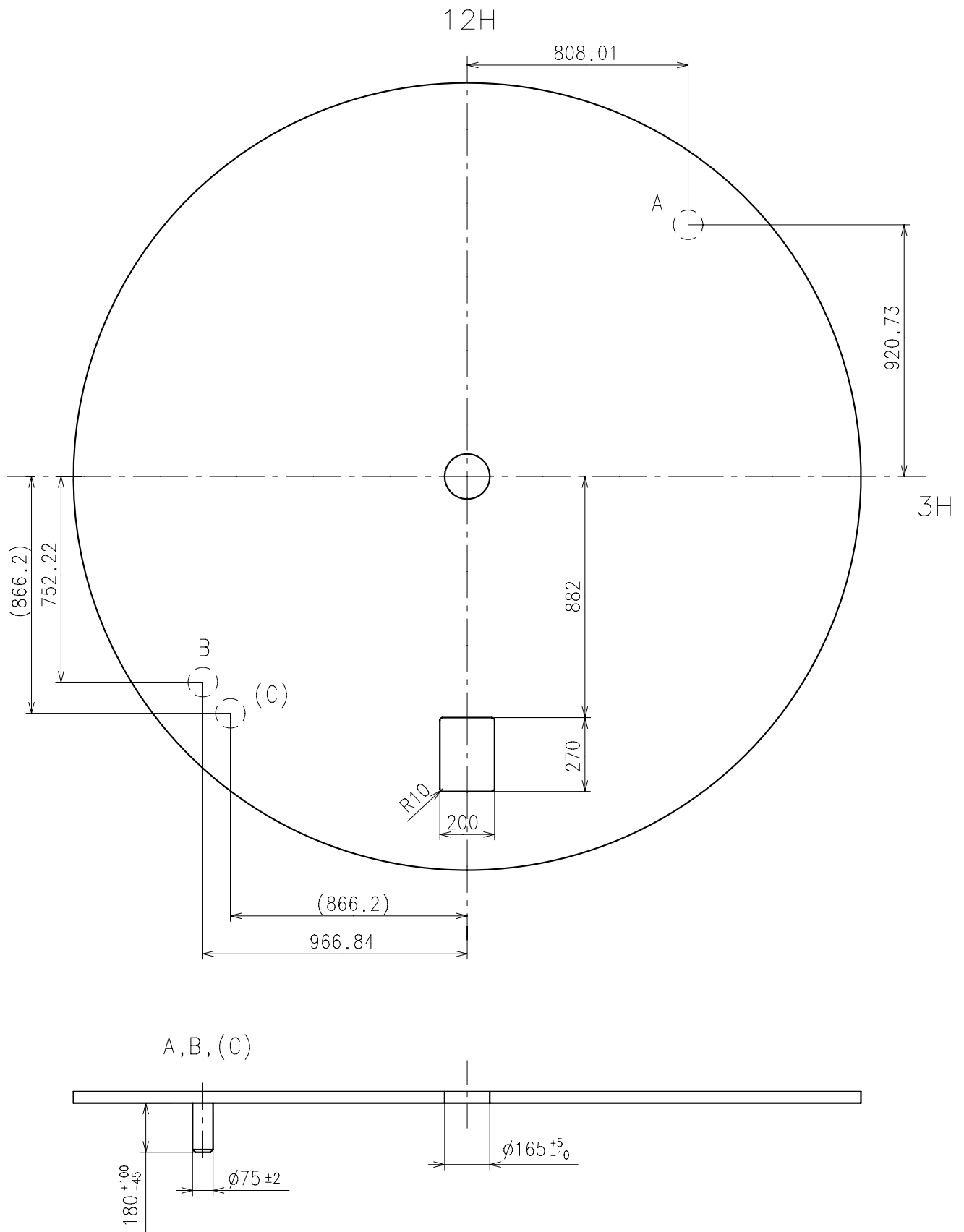
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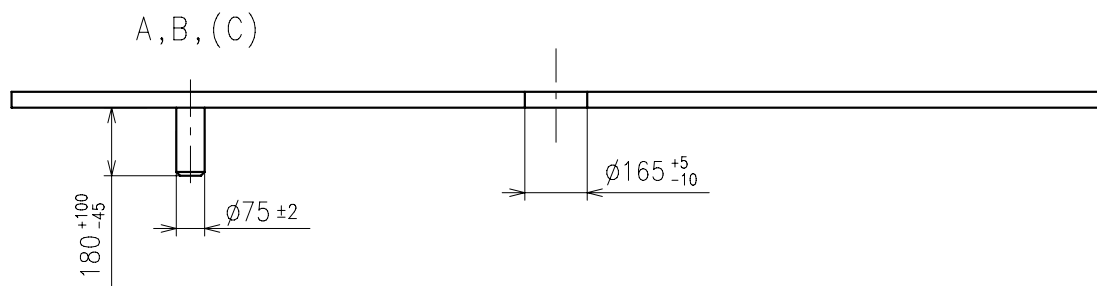
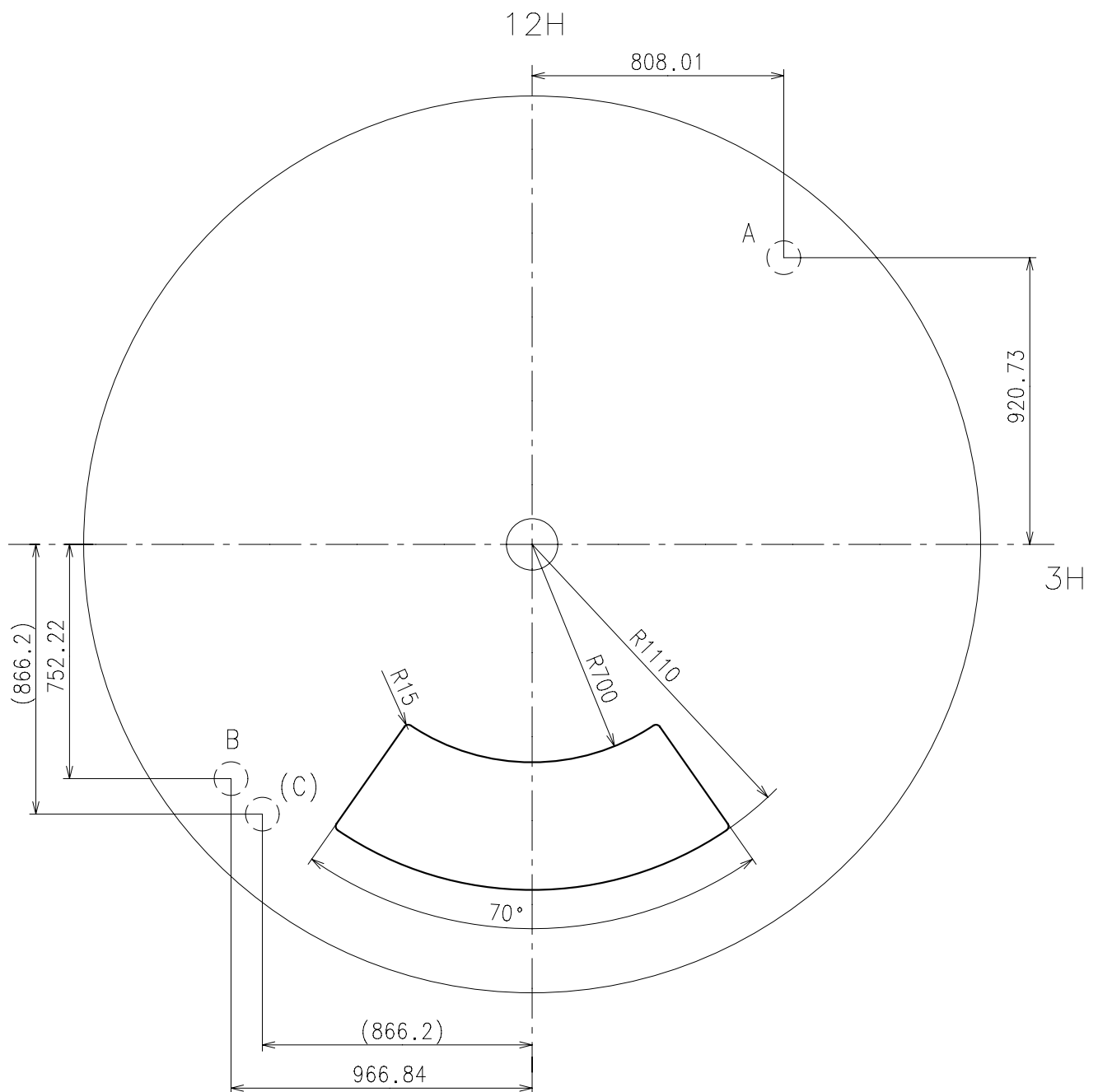
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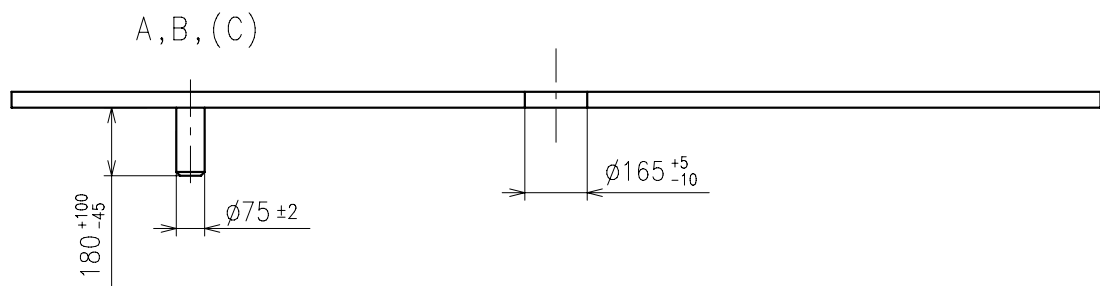
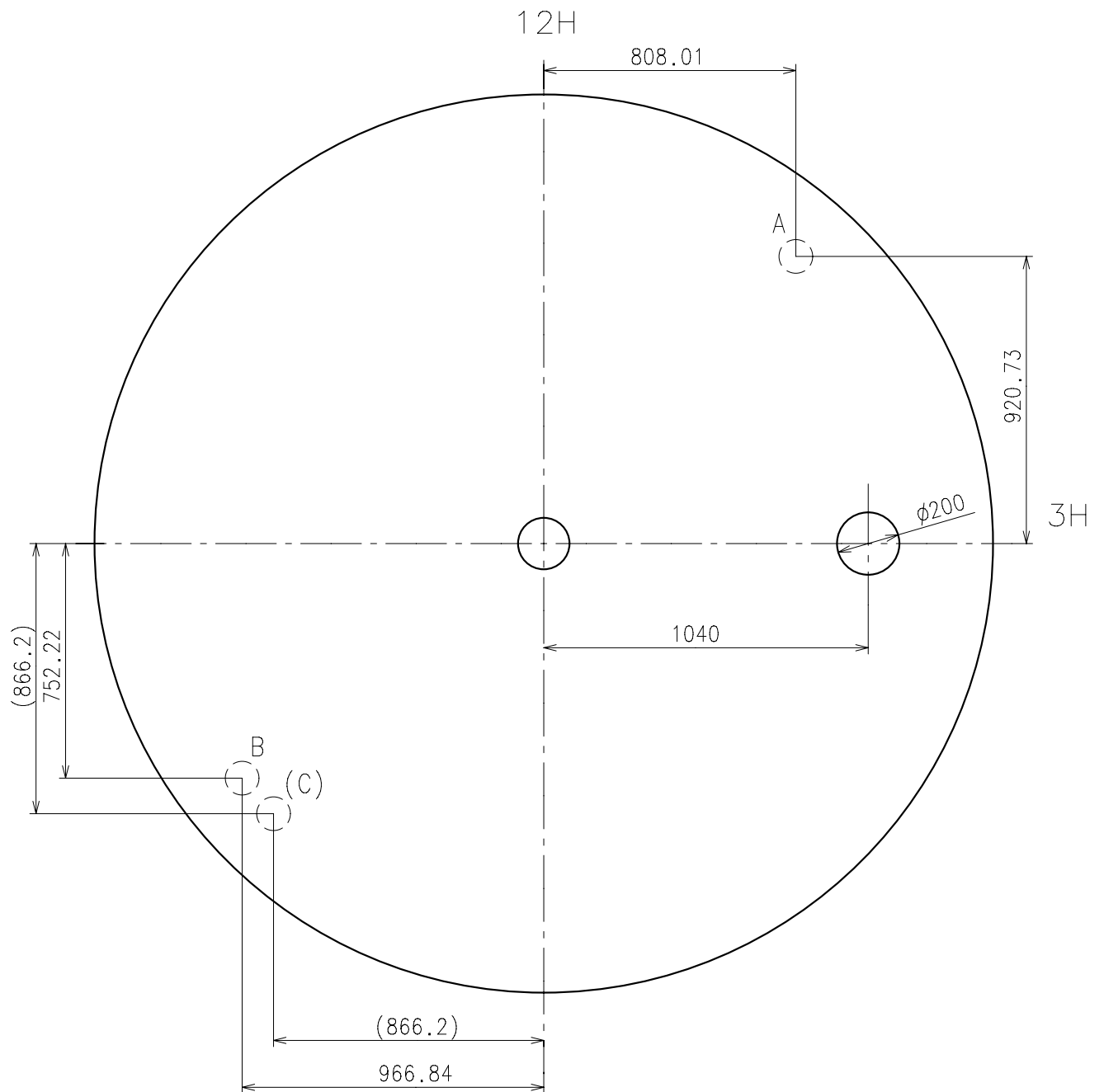
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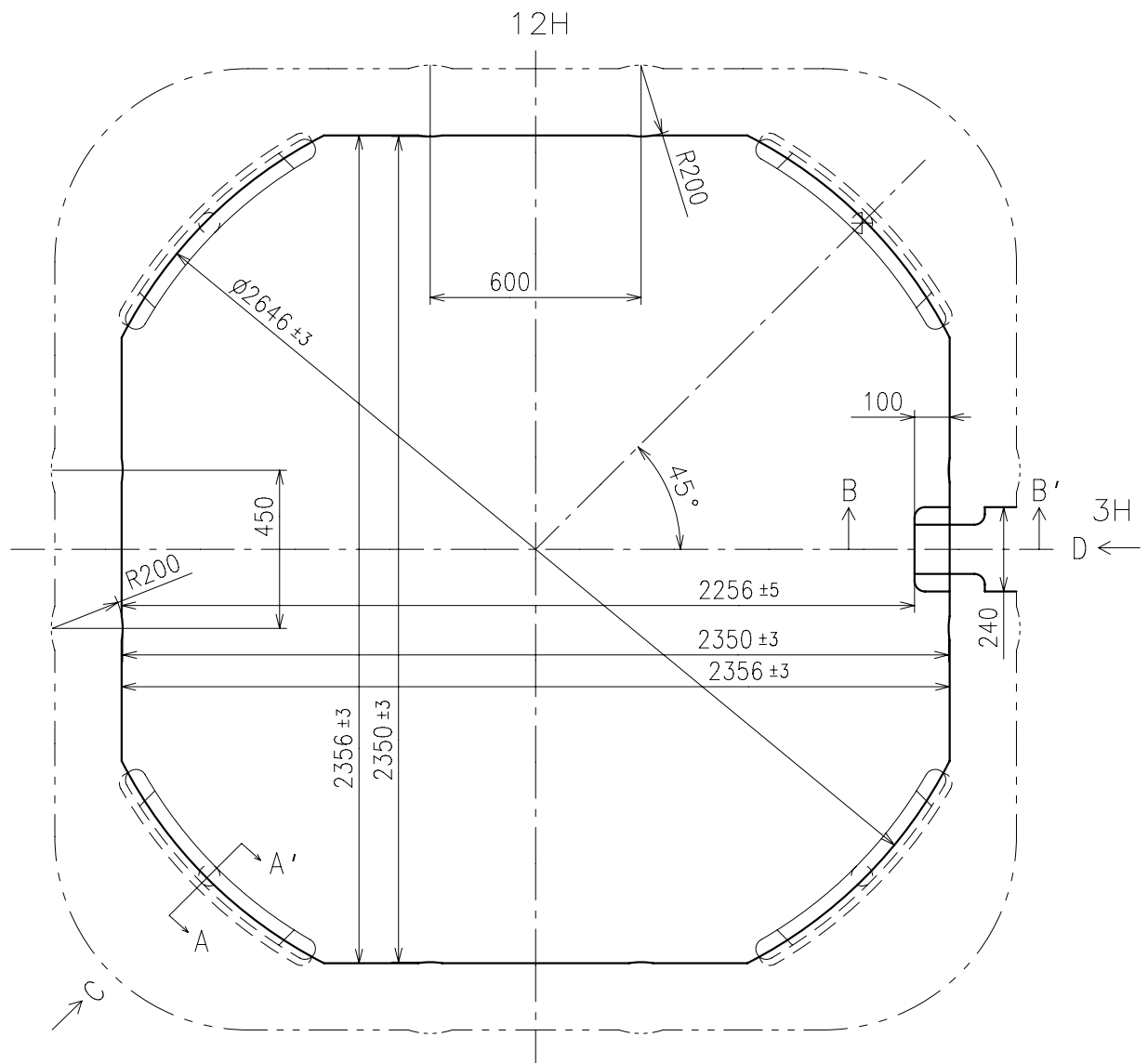
※ Use dial leg A-B or (A-C)



※ Use dial leg A-B or (A-C)



※ Use dial leg A-B or (A-C)



C view

A-A' section

B-B' section

D view

