

PRODUCT SPECIFICATION

MODEL No.: **31W/32W (V29-30)**

VERSION: **2021/01**

MANUFACTURER: **Adria Dom d.o.o.**

TRADEMARK: **Adria**

MODEL: **AURORA TWIN 904 A03/ 903 B03**

DOCUMENTS:

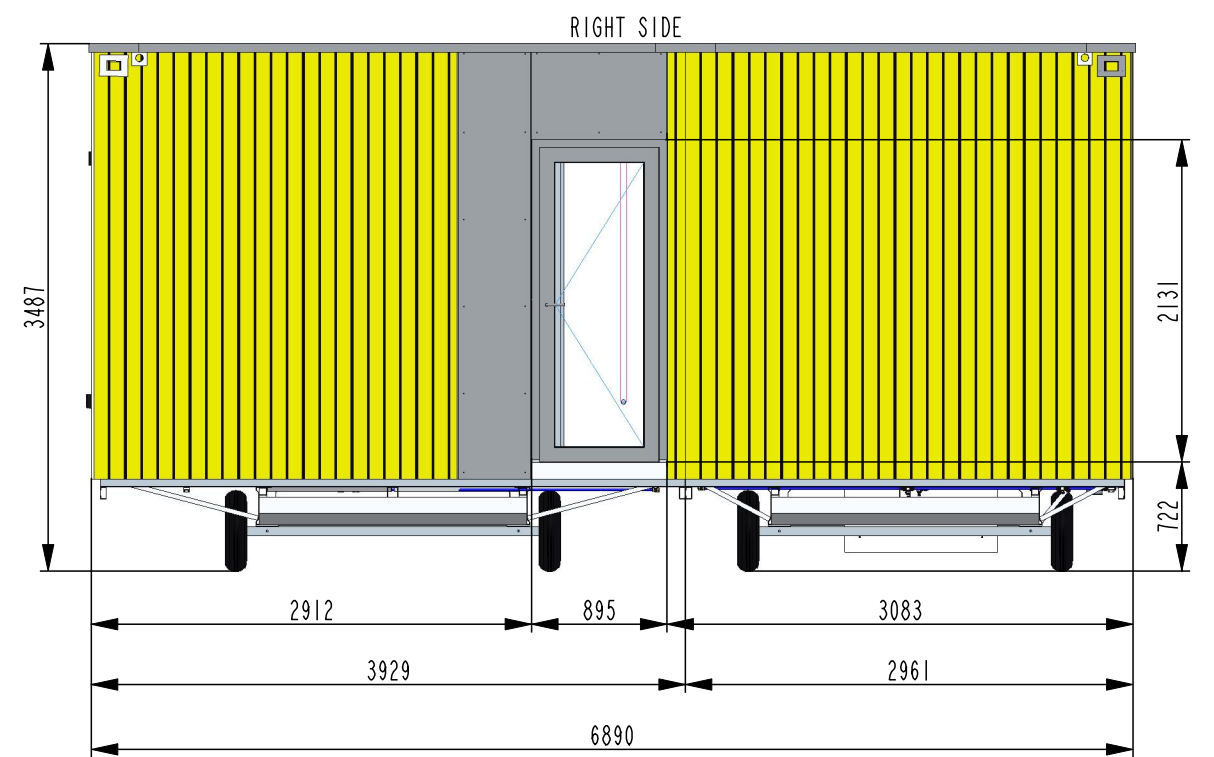
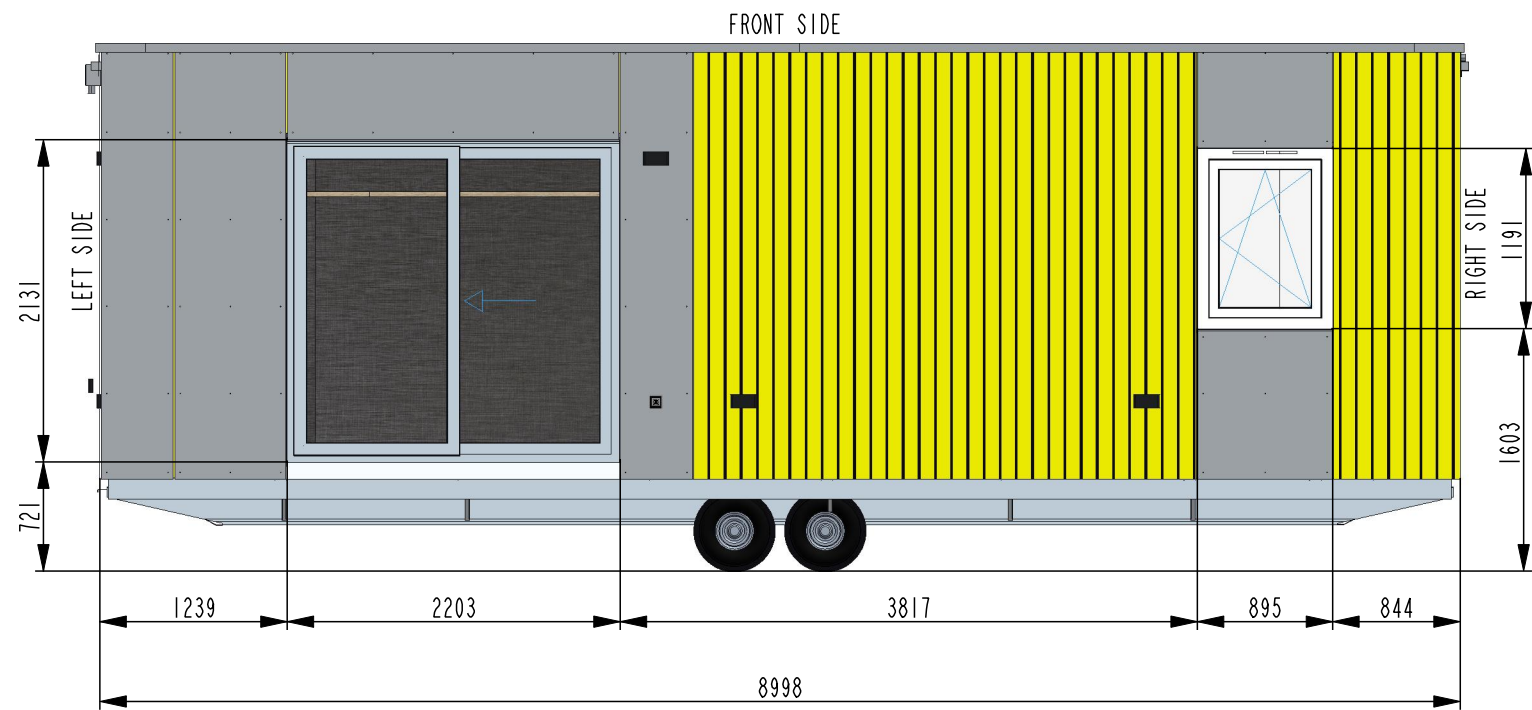
1. Dimension of the mobile home
2. Safety exits
3. Ventilation
4. Connections
5. Calculation of thermal insulation
6. Electrical connection
7. Gas and water

May, 2021

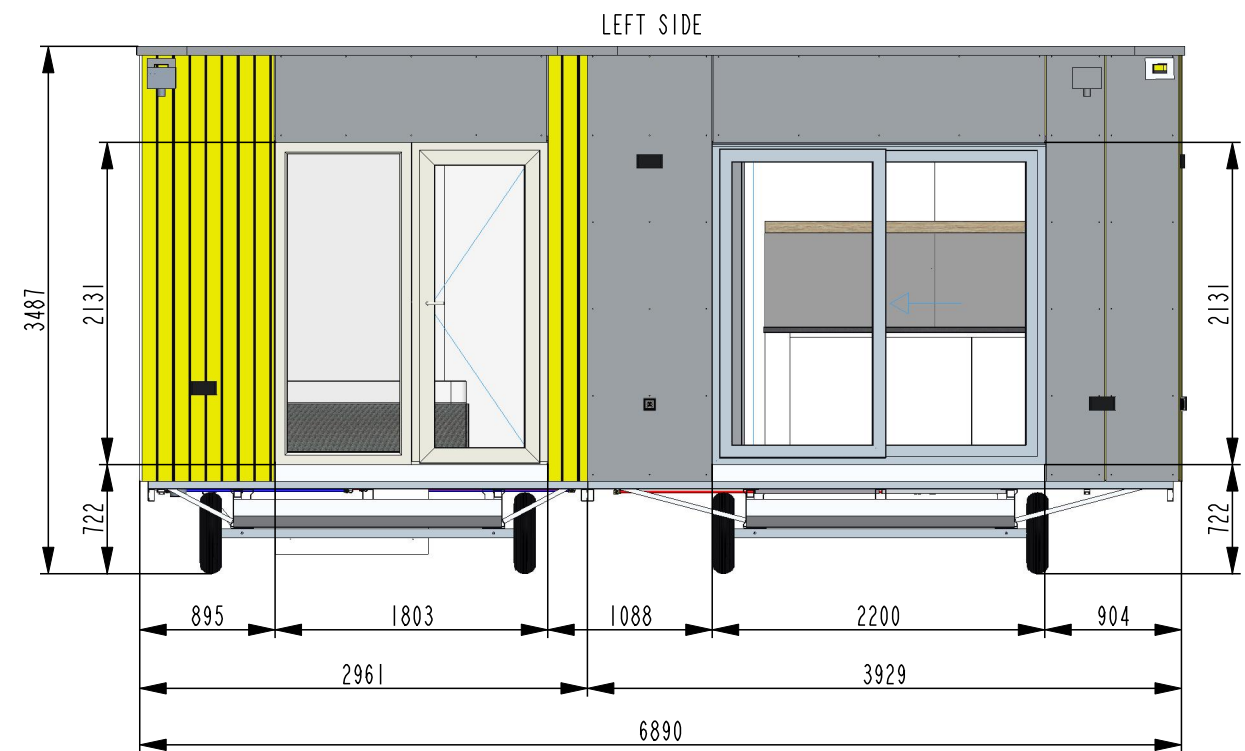
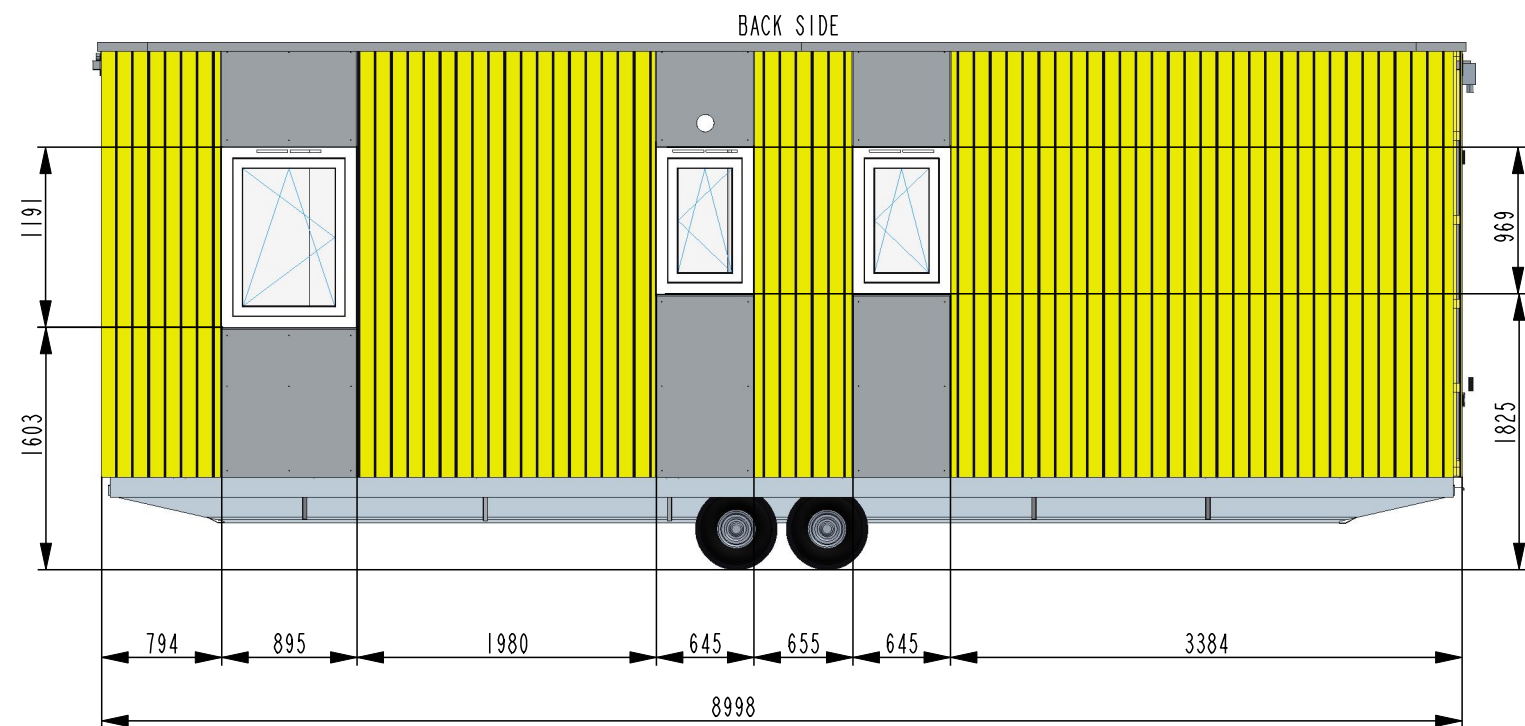
Made by:
Aleš Biličič

Approved:
Blaž Jakopin

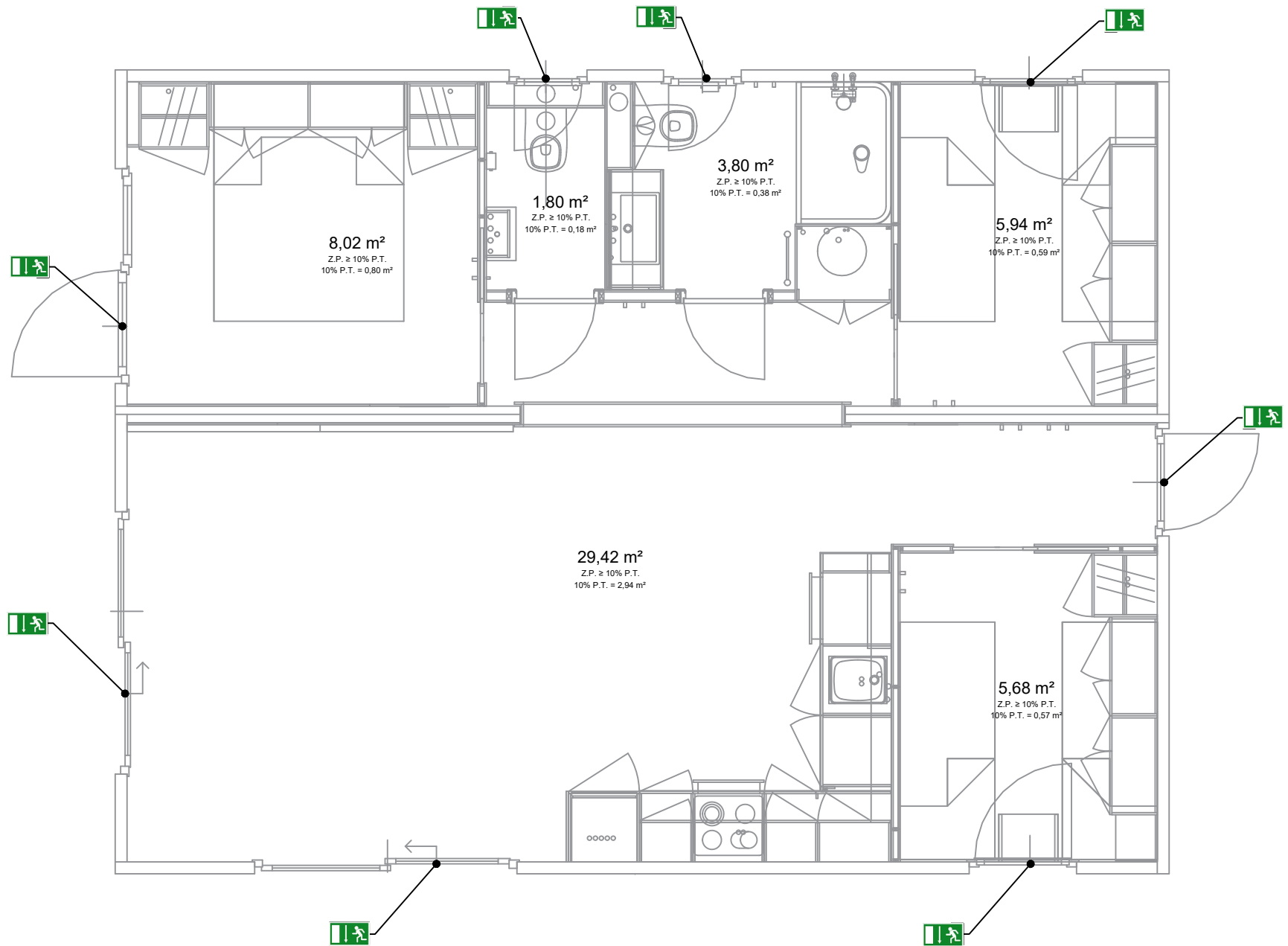
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Datum	St.	Opis spremembe			Datum	Ime	St.spr.
	Datum	Ime	Material:	 ADRIA DOM			
Konstruiral	1.6.2021	Bilicic A.					
Odobril		Jakopin B.					
Uveljavljeno st.spr.		8264	Masa:0,000				
Merilo	Naziv			St.risbe:	list:1/2		
1:50	31W/32W V29-30 S21			2220-31W32W30L001			
VSTOPANJE							



	8						
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1:50	31W/32W V29-30 S21				2220-31W32W30L001		
VSTOPANJE							



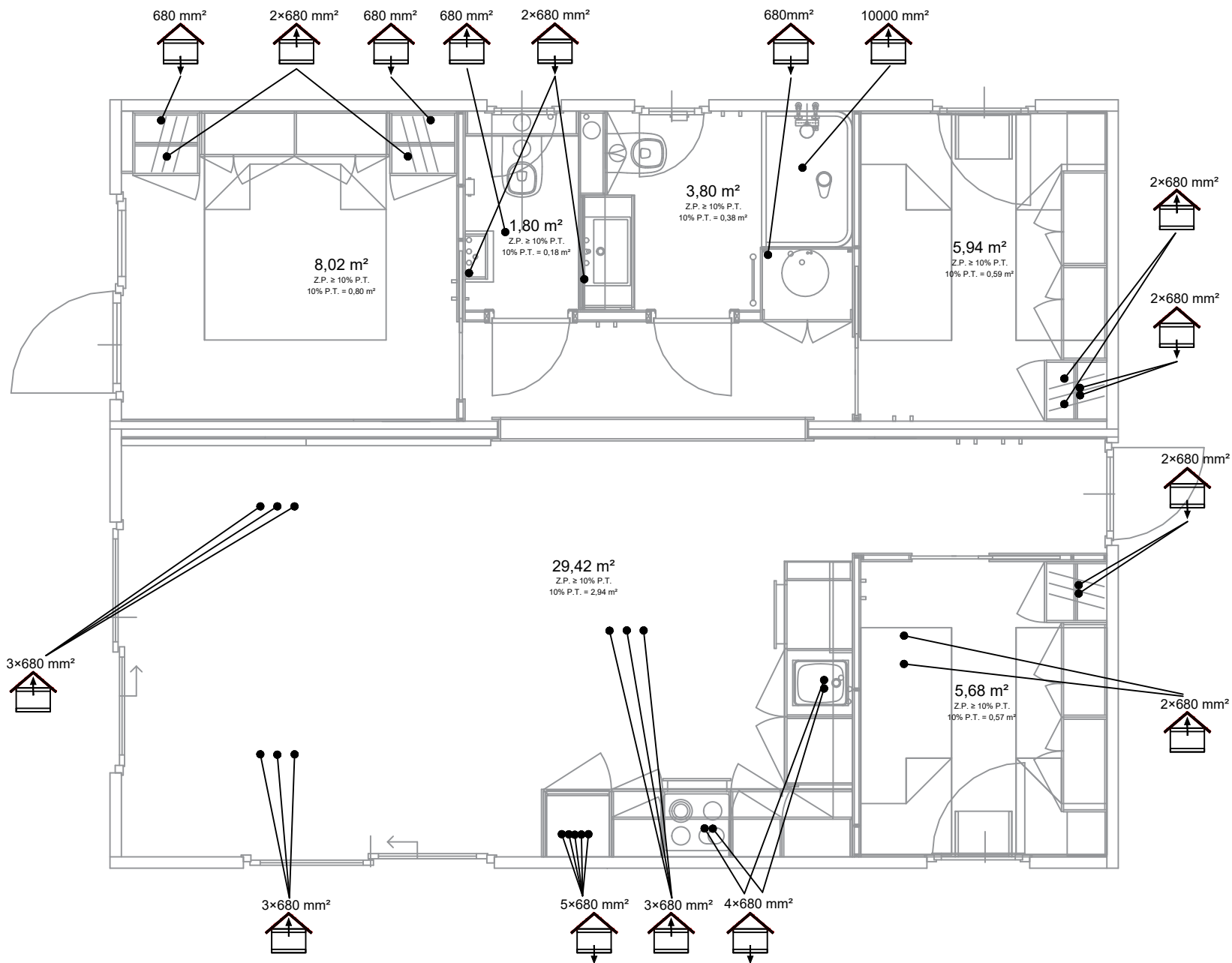
Številka risbe:	31W/32W (V29-30)	
Risal:	Bilicic A.	26.5.2021
Kontroliral:	----	----
Odobril:	----	----

Naziv:

SAFETY EXITS

OCCUPANCY: 6+1

List:



ADRIA

Številka risbe:

31W/32W (V29-30)

Naziv:

VENTILATION

Risal:

Bilicic A.

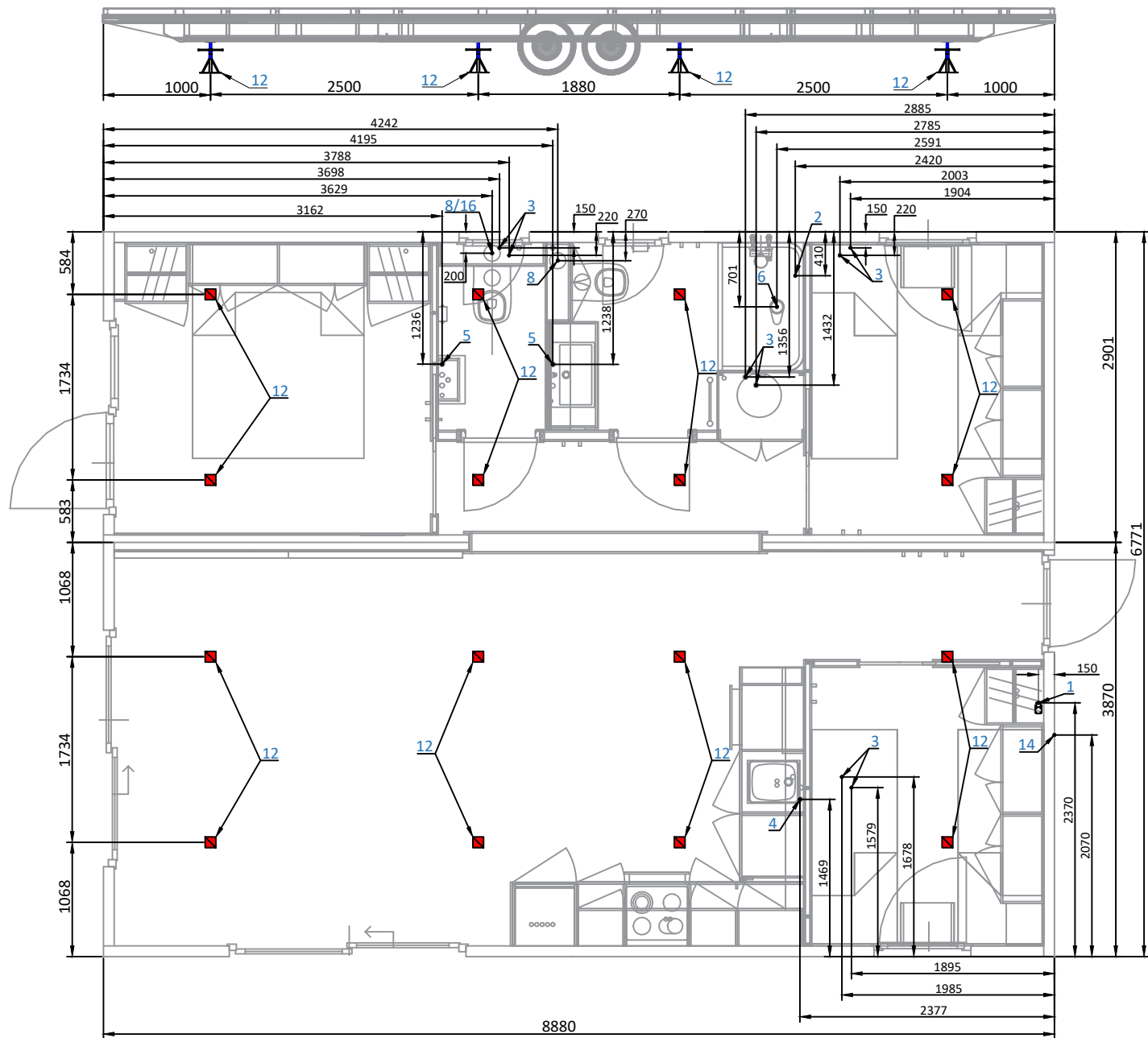
26.5.2021

Kontrolliral:

Odobril:

OCCUPANCY: 6+1

List:



ADRIA

Številka risbe:

31W/32W (V29-30)

Naziv:

Risal:

Bilicic A.

28.5.2021

Kontroliral:

Odobril:

Connections

N°	DESCRIPTION
1	electrical connection - plug 3x32A/400V/3P+N+E/50-60Hz
2	water intake 1/2"
3	water release
4	kitchen sink waste pipe Ø40
5	toilet sink waste pipe Ø40
6	shower waste pipe Ø40
7	bidet waste pipe Ø40
8	WC waste pipe Ø110
9	main gas valve and gas intake 1/2" (in box compartment)
10	gas valve for water heater (in box compartment)
11	gas valve for gas hob (in closet)
12	position of leveling feet
13	dishwasher waste pipe Ø40
14	coaxial cable for TV 75 Ω (under the floor)
15	diverter valve with a pressure regulator and gas connection - 2xG.8 (on the panel)
16	central drainage outflow

	Številka risbe:	31W/32W (V29-30)		Naziv:	---- Connections description
	Risal:	Bilicic A.	28.5.2021		
	Kontroliral:	----	----		
	Odobril:	----	----		
				List:	2/2

CALCULATION OF THERMAL INSULATION



Model of product:		31W/32W (V29-30)			Version: 01		
Part of Caravan holiday home	Thermal Transmittance $U = W/(m^2 \cdot K)$		Area $A = m^2$		Losses $K_w = W/K$		
Floor	0,39		63,00		24,71		
Ceiling	0,33		63,00		20,89		
Left wall	0,41		9,61		3,92		
Windows	1,30		7,40		9,62		
Right wall	0,41		15,41		6,29		
Windows	1,30		1,60		2,08		
Front wall	0,41		16,98		6,93		
Windows	1,30		4,89		6,35		
Rear wall	0,41		20,23		8,26		
Windows	1,30		1,64		2,13		
Others							
Total	7,56		203,76		91,19		
Total outer surface area of caravan holiday home $A = 203,76 \text{ m}^2$							
Total losses via "wall", $K_w = U \cdot A$ $K_w = 91,19 \text{ W/K}$							
Losses due to renewall of air, $K_v = 0,33 \cdot N \cdot V$ $K_v = 50,52 \text{ W/K}$							
Total losses, K_t $K_t = 141,71 \text{ W/K}$							
Thermal transmittance of "walls", U $U = 0,45 \text{ W/m}^2K$							
Rated power required, $P = K_t \cdot (20 \text{ }^\circ C/1000)$ $P = 2,83 \text{ kW}$							
Minimum rated power of heater $= 1,1 \cdot P$ $P_{min} = 3,12 \text{ kW}$							
External temperature, $^\circ C$	10	5	0	-5	-15	-25	-35
Minimum temperature difference to maintaine internal temperature at 20 $^\circ C$	10	15	20	25	35	45	55
Rated power required, kW	1,42	2,13	2,83	3,54	4,96	6,38	7,79
Mimimun rated power of heater, kW	1,56	2,34	3,12	3,90	5,46	7,01	8,57

Classification of thermal insulation and heating

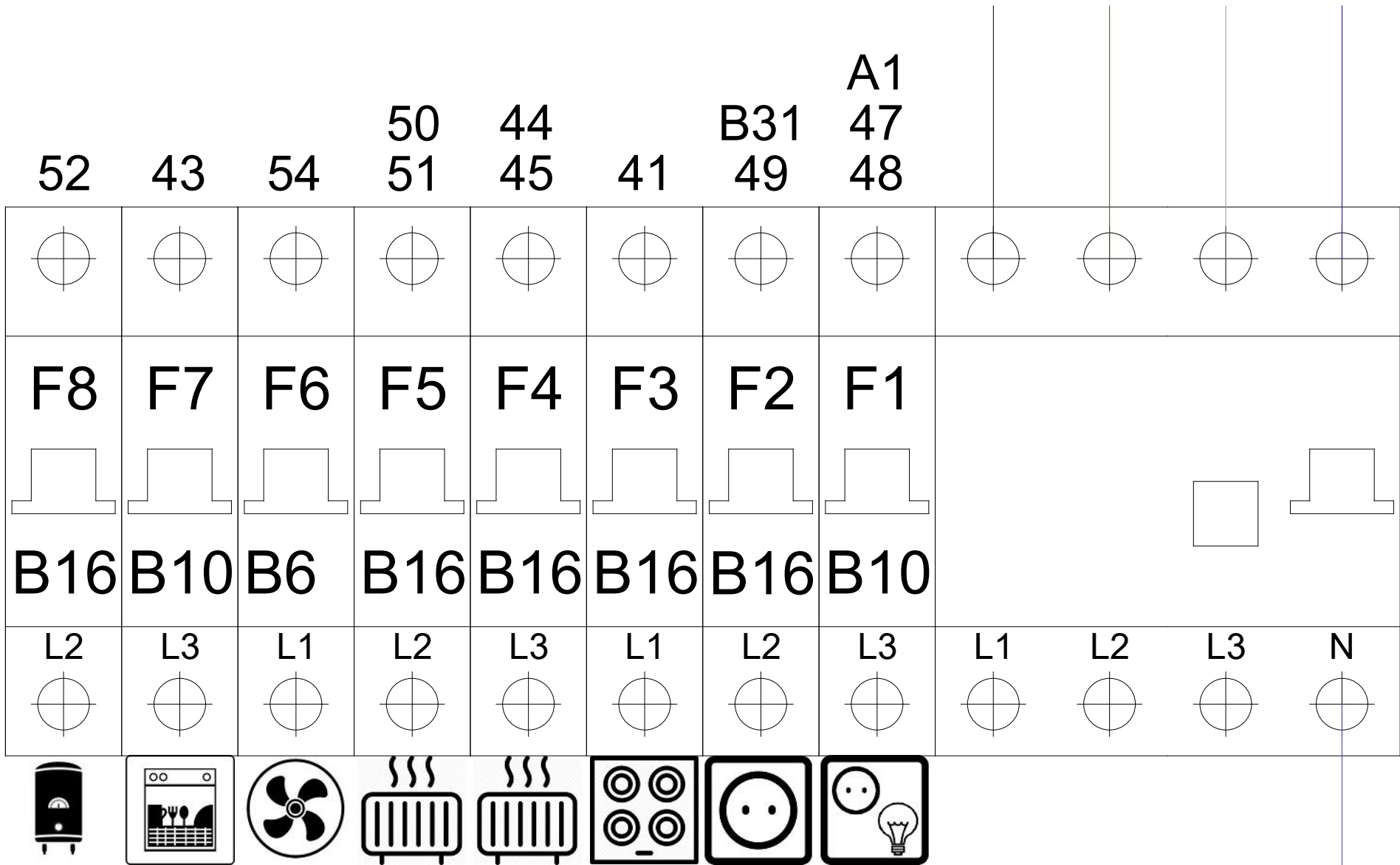
GRADE 1

Note:

Double glazing

Manufacturer declare that the Classification of thermal insulation of this caravan holiday home model is the above referred.

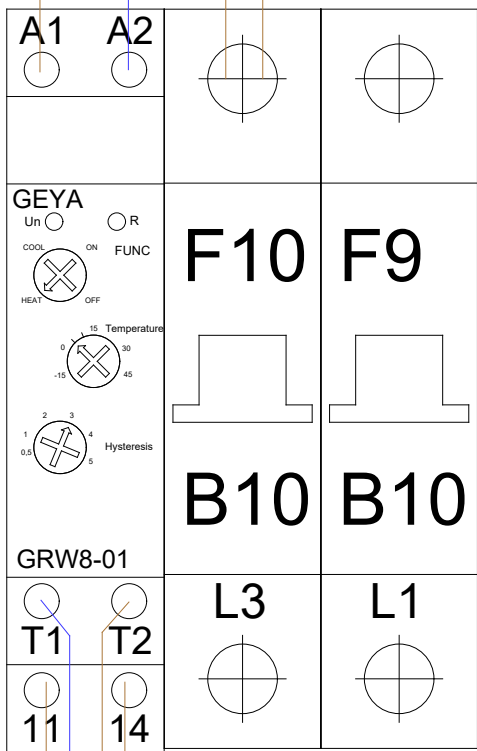
2.06.2021



6mm2

1,5mm2

42

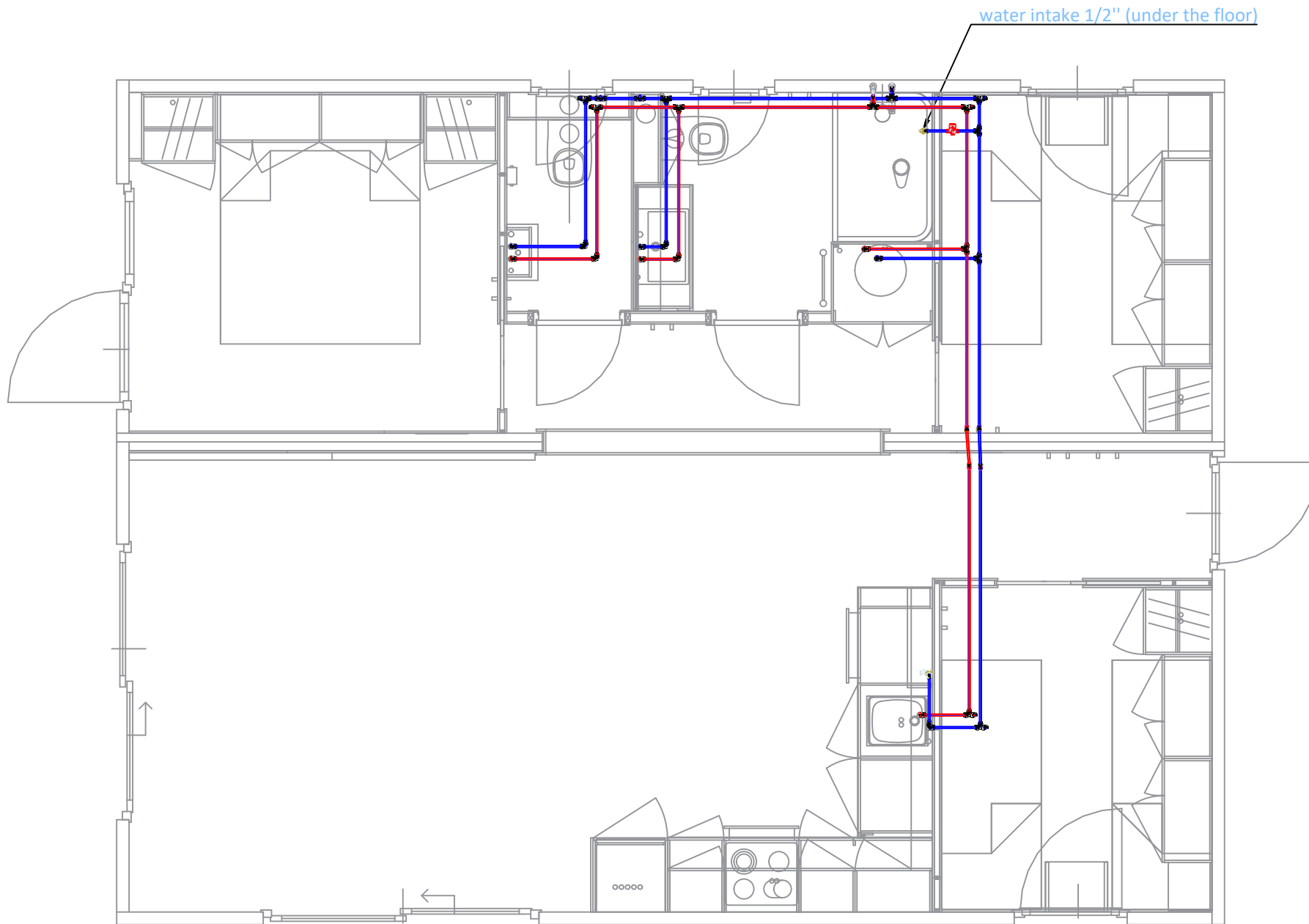


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	Datum	Ime	Material:	
Konstruiral	15.6.21	Fink		
Odobril	15.6.21	Jakopin B.		
Uveljavljeno st.spr.		8387		
Merilo	Naziv	31W V30 S21 ELEKTRIKA		St.risbe: list:11/11
1:15				3110-00394-000
VSTOPANJE				



LEGEND	—	gas
	—	cold water
	—	hot water

	Številka risbe:	31W/32W (V29-30)		Naziv: ----- Gas and water
	Risal:	Bilicic A.	28.5.2021	
	Kontroliral:	----	----	
	Odobril:	----	----	
		List:	1/1	