



CASK SMUGGLERS
BAR

CASK
SMUGGLERS

Summary

In delivering the economic and social benefits set out above, the Festival Village clearly contributes to achieving the SESplan vision that “By 2032, the Edinburgh City Region is a healthier, more prosperous and sustainable place with continues to be internationally recognised as an outstanding area in which to live, work and do business”.

By providing a unique city centre venue Waverly Mall Rooftop will continue to support local businesses and add to the entertainment offering of the City for both locals and visitors.

It also supports the achievement of the aims of the Local Development Plan, including those of supporting the growth of the economy and enabling all residents to enjoy a high quality of life.

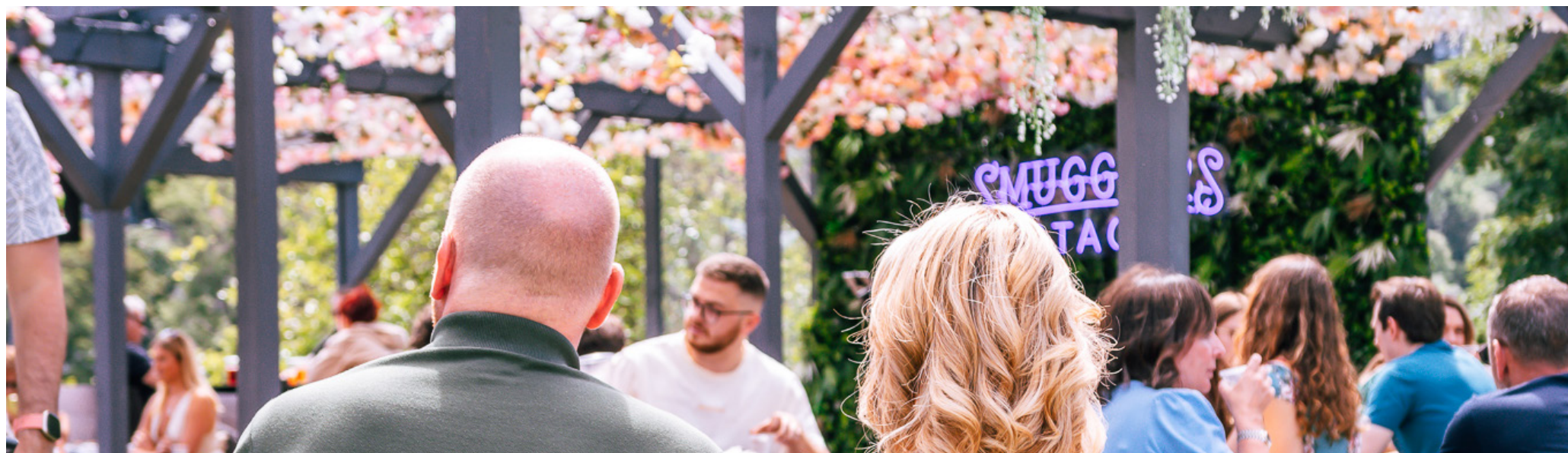
Significantly, the continued use of the rooftop space over the next 3 years will ensure that Waverley Mall remains vibrant and makes a positive contribution to the life and economy of the city centre.

A previous Report of Handling for application reference 17/03159/FUL, which was for essentially the same development concluded that the proposal:

- was an appropriate temporary commercial development which would contribute to the role of the city as a strategic business and regional shopping centre;

- would preserve the character and appearance of the New Town Conservation Area;
- would not have a detrimental impact on the outstanding universal value of the world heritage site, given its temporary nature;
- because of the topography of the site would be largely below street level, and that, combined with the short-term temporary nature of the development, meant that it would not have a detrimental impact on the setting of nearby listed buildings.

With limited impacts on the historic environment outweighed by the temporary and finite nature of the proposed use the continued operation of Festival Village on this site will provide economic and social benefits to the Waverley Mall and the wider City.







DESIGN CHECK REPORT



WAVERLEY MALL FESTIVAL VILLAGE DESIGN CHECKS EDINBURGH






Client: Keasim Limited
Date: September 2022
Project No: P13683

		SIGNATURE	DATE
Prepared by	Ross Taylor		13 June 2018
Checked by	Euan Dale		13 June 2018
Version	P01		

		SIGNATURE	DATE
Prepared by	Ross Taylor		14 June 2018
Checked by	Euan Dale		14 June 2018
Version	Rev. A – update to Appendix D		



		SIGNATURE	DATE
Prepared by	Ross Taylor		13 November 2018
Checked by	Euan Dale		13 November 2018
Version	Rev. B – updated to Appendix A		



		SIGNATURE	DATE
Prepared by	Robbie Douglas		13 June 2019
Checked by	Ross Taylor		13 June 2019
Approved by	Euan Dale		13 June 2019
Version	Rev. C – updated for new season		



		SIGNATURE	DATE
Prepared by	Robbie Douglas		16 July 2019
Checked by	Ross Taylor		16 July 2019
Approved by	Euan Dale		16 July 2019
Version	Rev. D – Addition of Stretch Tent		

		SIGNATURE	DATE
Prepared by	Ross Taylor		07 November 2019
Checked by	Euan Dale		07 November 2019
Version	Rev. E – updated for new season		

		SIGNATURE	DATE
Prepared by	Ross Taylor		12 May 2021
Checked by	Euan Dale		12 May 2021
Version	Rev. F – updated for new season		

		SIGNATURE	DATE
Prepared by	Ross Taylor		18 November 2021
Checked by	Euan Dale		18 November 2021
Version	Rev. G – updated for new layout		

		SIGNATURE	DATE
Prepared by	Ross Taylor		14 September 2021
Checked by	Euan Dale		14 September 2021
Version	Rev. H – updated for new layout		

		SIGNATURE	DATE
Prepared by	Ross Taylor		14 September 2021
Checked by	Euan Dale		14 September 2021
Version	Rev. I - Update to Appendix 1		

CONTENTS PAGE

1.0	INTRODUCTION	1
2.0	DESIGN CHECKS	1
3.0	TOILET BLOCKS	1
4.0	BARS / GRILL	1
5.0	HORSE BOX / FOOD UNIT	2
6.0	DOMES	2
7.0	PERGOLAS	3
8.0	SUMMARY AND CONCLUSIONS	3
APPENDIX 1	SITE PLAN	
APPENDIX 2	DETAILS OF FESTIVAL UNITS	
APPENDIX 3	WAVERLEY MALL – PLAZA ROOF LOAD ASSESSMENT	
APPENDIX 4	TIMBER ROOF SECTION	

1.0 INTRODUCTION

Goodson Associates have been employed by Keasim Ltd to carry out a design review of the pop up festival village above Waverley Mall which includes the following temporary structures:-

- Bars
- Toilet blocks
- Stationery horse box

These structures will be in use for three years and open to the public. To ensure the structures are safe for use, Goodson Associates have carried out an assessment on the structures in accordance with comments from Public Safety, Edinburgh City Council.

2.0 DESIGN CHECKS

The Structures covered will be in operation for a period of 3 years and wind loading analysis has been carried out to reflect this. This analysis has captured the worst-case wind loading that this area will encounter.

Each of the structures below has been assessed based on the information provided by Keasim Ltd and recommendations given.

No assessment was carried out on the suitability of material each of the structures are constructed from, unless noted otherwise, and it is assumed they are fit for purpose.

A roof load assessment has been carried out by Will Rudd Davidson which provides information of the capacity of the roof area above the Costa and recommendations to ensure these loadings are not exceeded.

3.0 TOILET BLOCKS

There are four toilet blocks as shown on location plan. These consist of 3 x large units and 1 x small unit which are sat on rubber mats or a raised frame specific to that unit. The following weights and dimensions were provided by Keasim Ltd:-

Large Unit - 3000kg, 5.8m Length x 2.7m Height x 3m Width Small Unit - 2000kg

The following design checks were carried out to ensure the structure would be safe in its location and under wind loading.

- Overturning - Suitable
- Sliding - Suitable
- Uplift - Suitable
- Self Weight - Suitable

These checks have been carried out with the information provided and any change to this would require further checks.

No assessment has been made on the construction or structural ability of the materials used for the toilet blocks.

4.0 BARS / GRILL

There are 13 bar/grill units across the site as shown on the location plan. The units are sat on timber runners upon Plywood sheeting. The following weights and dimensions have been provided by Keasim Ltd:-

Large Unit - 2150kg, 5.8m Length x 2.7m Height x 3.6m Width Small Unit - 1200kg, 3.8m Length x 2.6m Height x 3.050 Width

The following design checks were carried out to ensure the structure would be safe in its location and under wind loading.

- Overturning - Suitable
- Sliding - potential for unit to slide off plywood base. Recommendations as follows:-
 - Located on Concrete - It is proposed that a fixing through the base of the units into both the timber and plywood along with timber spacers sat tight against the ply and wall behind the bars to prevent any sliding. Alternatively, if fixings cannot be made through the base of the unit, timber spacers at higher level could be placed tight against the wall and rear of the bar.
- Uplift - Suitable
- Self-Weight - Suitable

These checks have been carried out with the information provided and any change to this would require further checks.

No assessment has been made on the construction or structural ability of the materials used for the Bars. Apart from newer units constructed from Coldstore insulated panels which have been shown to be acceptable.

5.0 HORSE BOX / FOOD UNIT

There will be a horse box café / bar located as shown on the plan. Dimensions were provided by Keasim Ltd as follows:-

Length - 3.8m, Height - 2.7m, Width - 2.5m

The weight of the horse box has been assumed as 1000kg (this figure is based on similar horse boxes and if the weight of this is any less, Goodson Associates should be informed to allow further checking).

The following checks were carried out:-

- Overturning - Suitable
- Uplift - Suitable
- Sliding - Suitable
- Self-Weight - Suitable

6.0 DOMES

There will be a number of dome enclosures used for covered seating (see Appendix A). these units have come prefabricated and been assumed to comply with all relevant standards to meet required needs.

Diameter – 4.0m, Height – 2.5m

The domes are lightweight, with only the frames being fixed down to the decking below with coach screws.

The following checks were carried out:

- Overturning – Suitable
- Uplift - Suitable
- Sliding - Suitable
- Self-weight – Suitable

7.0 PERGOLAS

Lightweight steel and fabric canopies are to be used to cover seated sections (see Appendix A). These units have come prefabricated and have been assumed to comply with all relevant standards to meet required needs.

Goodson associates have carried out design and check for anchoring of these pergolas against wind uplift and sliding for three separate instances, which are as follows.

1. Pergolas on the main plaza roof – existing tile slab
2. Pergolas on the grass roof area overlooking Princess street
3. Pergolas situated on top of timber decking, overlooking Waverly station.

Main Plaza Roof - Situation 1

It is proposed to pour a shallow concrete footing of 125mm RC25/30 concrete with area of 0.95m² under each post of the pergola which will resist both uplift and sliding from wind loading. The existing main plaza slab has been checked with this additional ballast loading and found to be acceptable given the below conditions.

- Areas under the pergolas are seated only and not subject to crowd loading
- Stone floor tiles will be removed, under the post legs, for the duration of the pergolas use.

Each leg of the pergola will be fixed down to the concrete with the use of 4No. Hilti M8 HAS-U 5.8 fixings in conjunction with Hilti HIT HY200 resin, min embedment of 60mm.

Grass Area overlooking princes st

The feet of the pergolas in this area are to be buried under the existing soil, which is 300mm deep. The foot of the post needs to measure 850mmx850mm in order to provide enough area of soil to be utilized to resist uplift and sliding of the pergolas.

Timber Decking Area

The pergolas in this area are to be fixed down to the surrounding timber decking. The decking covers an area of roughly 250m², conservatively weighing 20kg/m² providing significantly more ballast than required against uplift and sliding.

8.0 SUMMARY AND CONCLUSIONS

Various structural checks have been carried out to ensure the above units/structures are fit for purpose on the site above Waverley mall. The sections below covers queries that have been raised by the Public Safety Department of Edinburgh City Council for previous festival village pop ups.

Ballast

- Uplift - where required ballast to hold down the units has been calculated and recommendations given.
- Sliding - Recommendations were given to ensure sliding was not an issue which included
- Ballast to be sat on rubber mats on concrete areas
- Bar / Grill units - timber spacers at the back of the units to ensure they are in contact with the walls behind. Those on grass should have wooden stakes around the perimeter at 1m centres.
- Toilet blocks are fine as constructed.

Overturning - all units are fine against overturning

Timber Canopy - GA have passed on design details to Keasim Ltd for timber sizes, maximum canopy spans and required ballast which must be adhered to. Manufacturers advice on fixings for the polycarbonate roof must be followed.

Loading to Existing roof

- The plaza area of the roof of Waverley mall is suitable for the loading from all structures and ballast.

Structural Assessment of design and construction of units

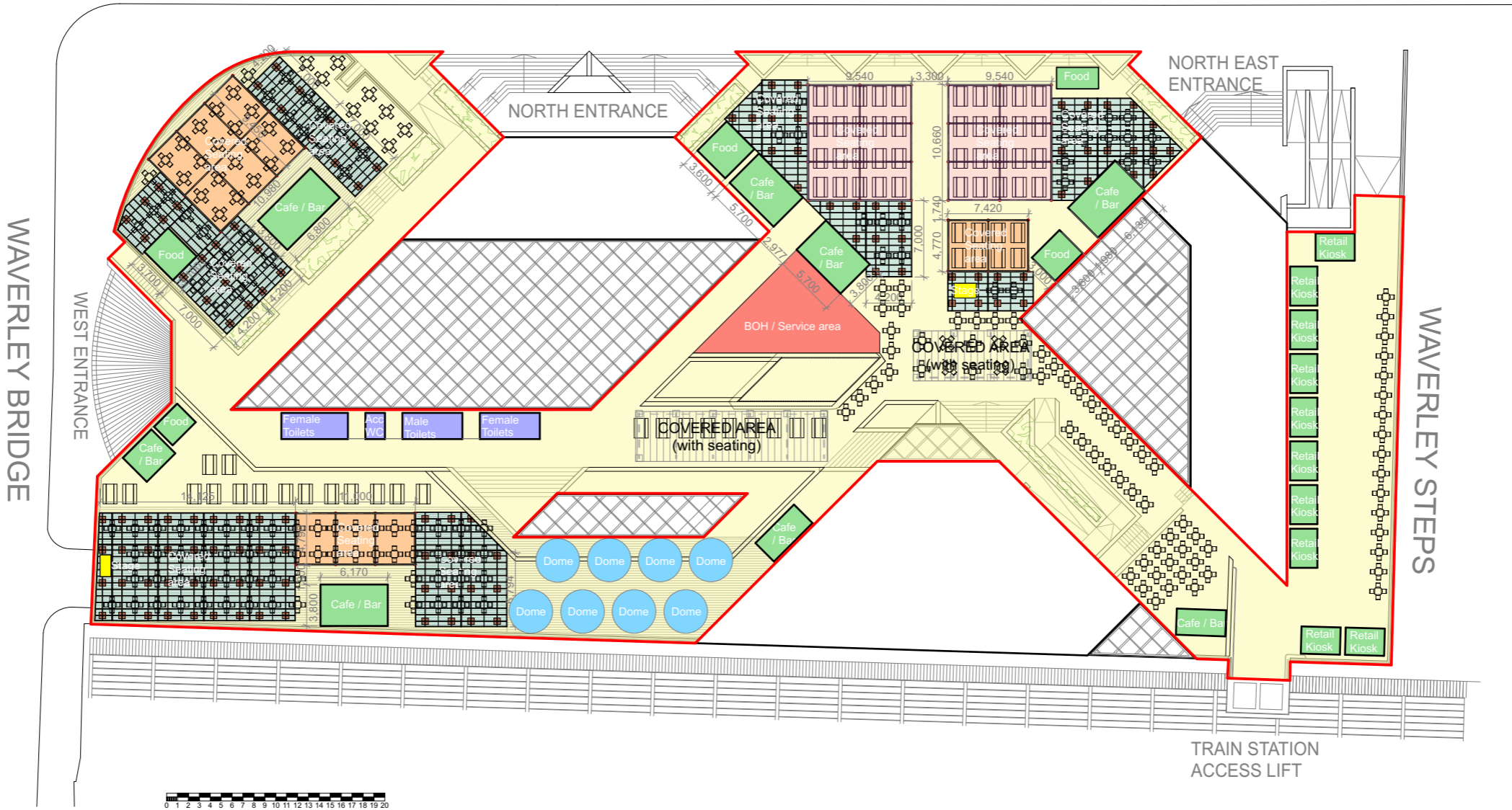
It should be confirmed with the suppliers of each unit that they have been designed and constructed so as to be suitable for their proposed loadings. Alternatively design information from suppliers can be passed to Goodson Associates for an assessment to be made.

Wind Management - it is advised that trading should be suspended if wind speeds reach 46mph.

Misuse – while reasonable consideration has been made for potential misuse of the installations, it is not possible to consider all unlikely scenarios of structural misuse by the members of the public. It is therefore assumed that appropriate stewarding will be in place during the operational hours and that security and/or security fencing will be in place during non-operational hours

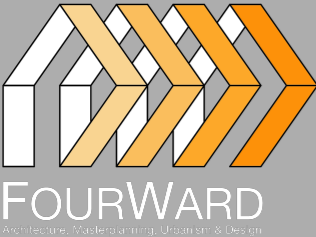
APPENDIX 1 SITE PLAN

PRINCES STREET



KEY

- Application Boundary
- Liscenced Area 3,988sqm
- Covered Seating Areas - Retractable
- Covered Seating Areas - Louvred
- Covered Seating Areas - Timber & Polycarbonate
- WC's
- Stage
- Decking
- Food Unit Structures
- Retail Kiosks
- Covered Seating Areas - Domes
- Back of House / Service Area
- Cafe / Bar Structures



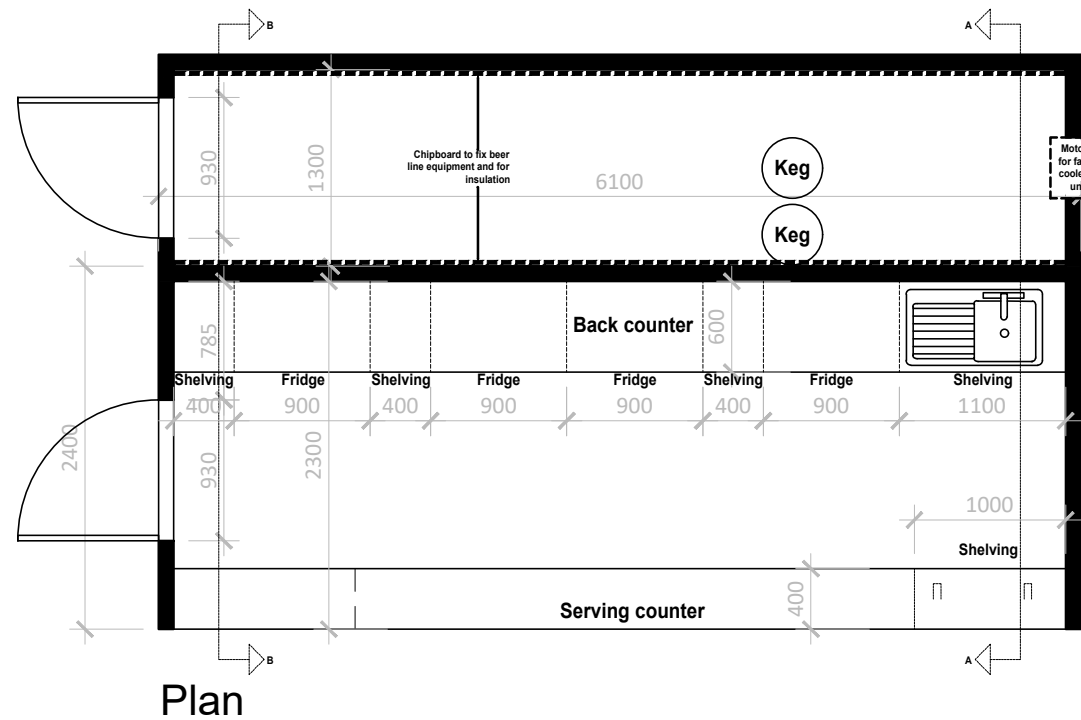
Project	Waverly Mall
Status	Planning

Layout Title	Waverly Mall Roof - Proposed Temporary Uses	
Drawing Number	031801 - 02-04	Rev 08

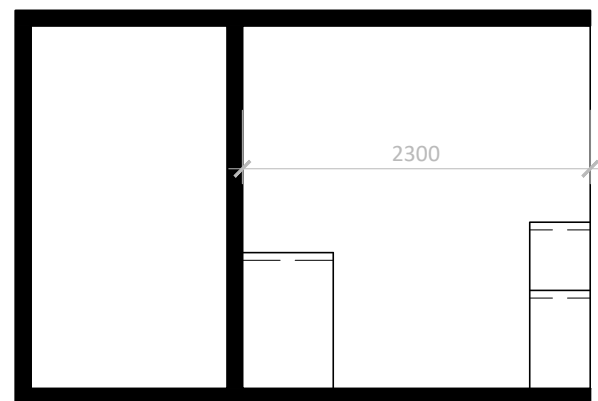
Scales @ A3	1:500
Date	12/09/2022

08	73	Temporary Use Application	12/09/2022		Planni	
07	72	Temporary Use Application	08/09/2022		Planni	
06	71	Temporary Use Application - Draft	31/08/2022		Planni	
05	70	Temporary Use Application - Draft	25/08/2022		Planni	
04	69	Temporary Use Application - Draft	24/08/2022		Planni	
RevID	Issue ID	Issue Name	Issue Date	Issuer-Intls	Status	Approved by

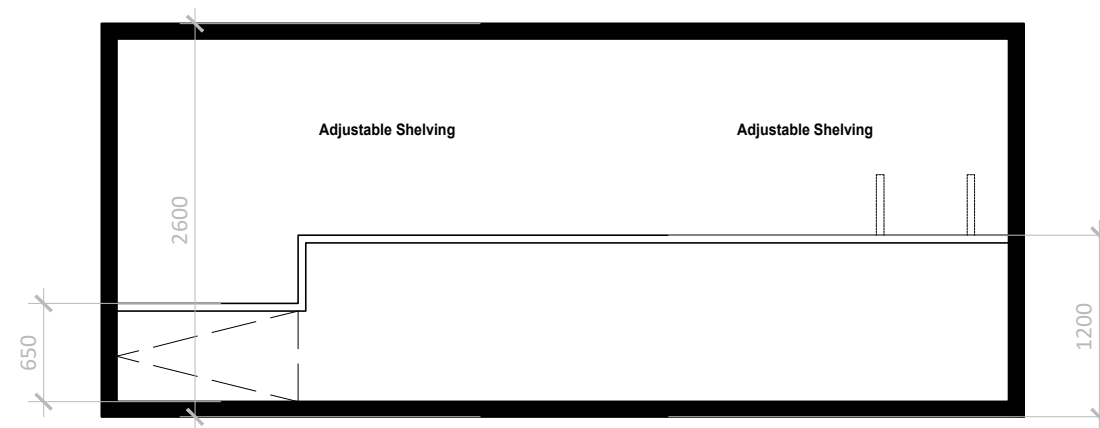
APPENDIX 2 DETAILS OF FESTIVAL UNITS



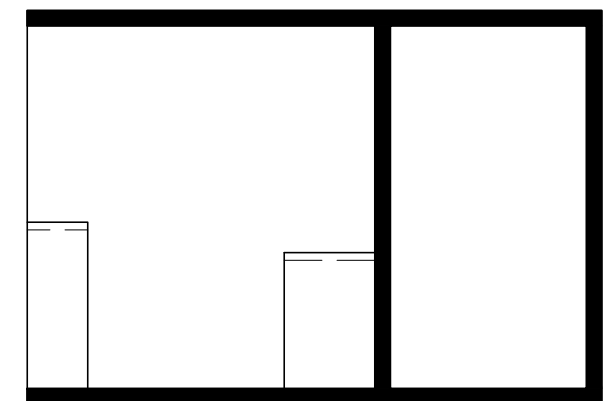
Plan



Section A-A



Elevation

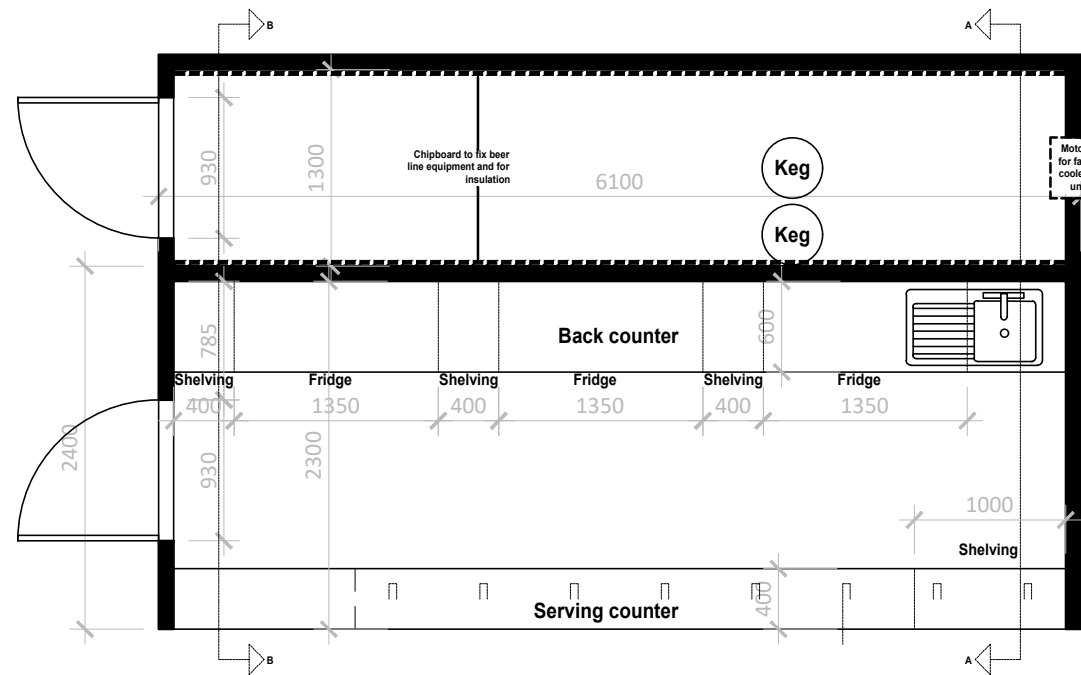


Section B-B

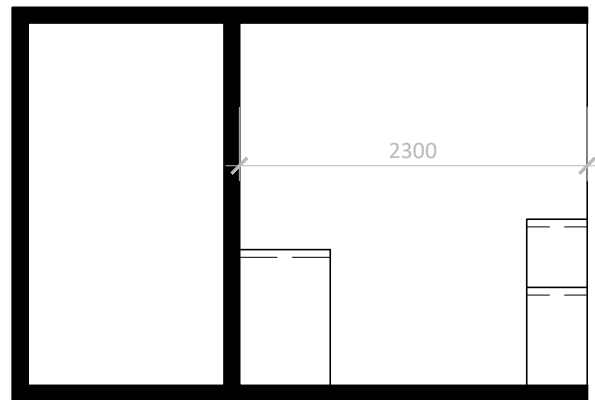
CHAMPAGNE BAR:
LEFT HAND VERSION



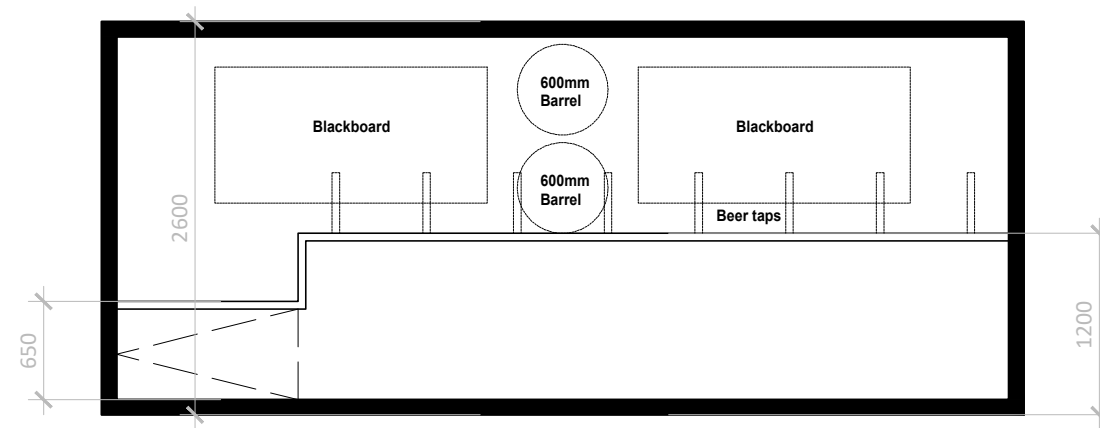
Proposed Temporary Bar Units
for Malones on the Mall
Scale 1:50 @ A3
Drawing Number: CHB(0-)-01A



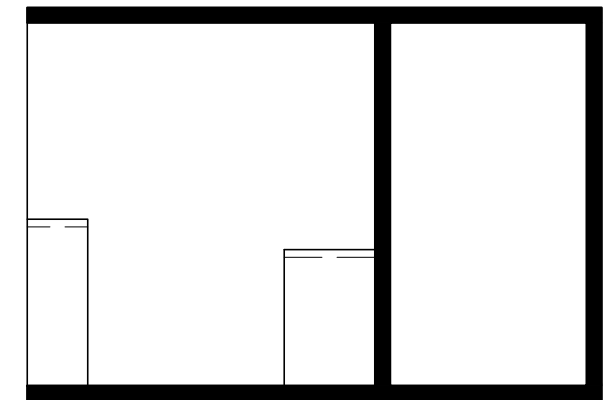
Plan



Section A-A



Elevation

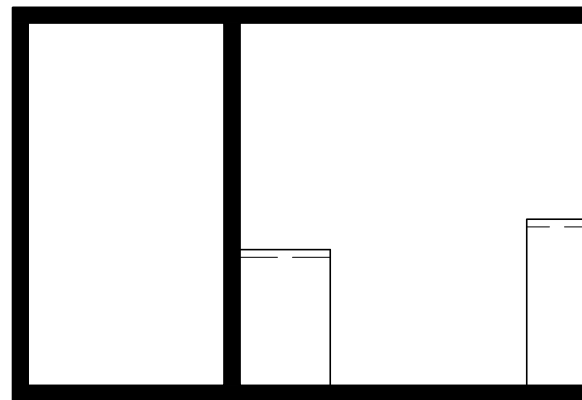
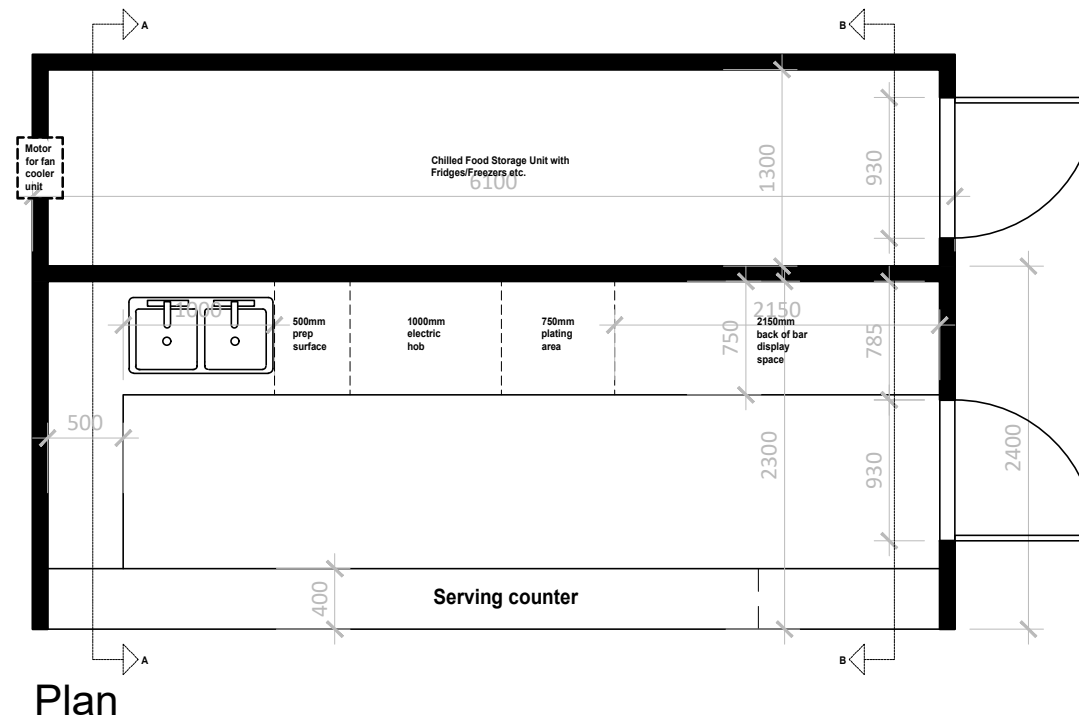


Section B-B

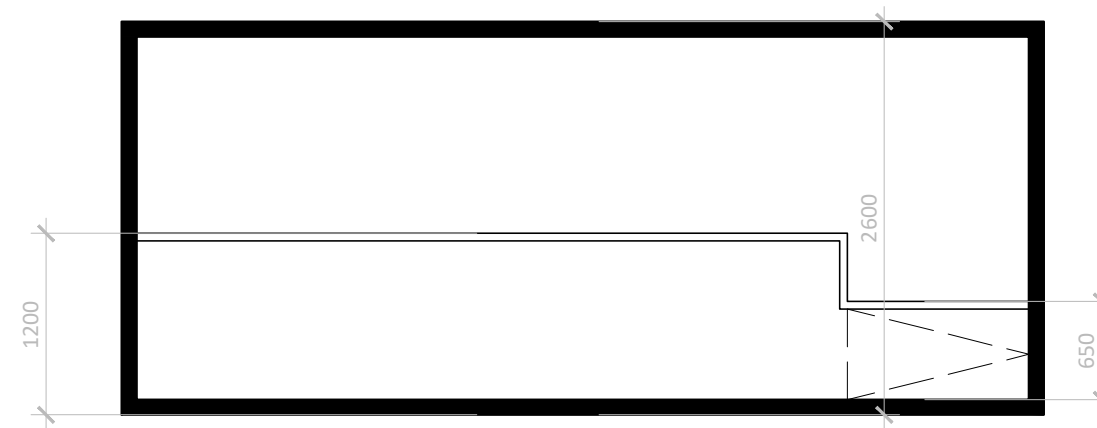
CRAFT BAR:
LEFT HAND VERSION



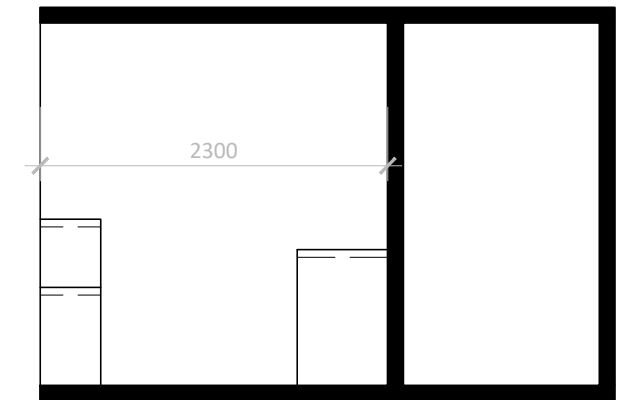
Proposed Temporary Bar Units
for Malones on the Mall
Scale 1:50 @ A3
Drawing Number: CRB(0-)-01



Section A-A



Elevation



Section B-B

BAR TYPE 2: ONLY RIGHT HAND VERSION REQUIRED



Proposed Temporary Bar Units
for Malones on the Mall
Scale 1:50 @ A3
Drawing Number: L(0-)-03

Signal Box – MHM Leisure



Signal Box – MHM Leisure



Signal Box – MHM Leisure



To: Keasim Events Ltd Mr.Simon Keane

Installation instructions

Changsha EMG Decoration and Construction Materials Company

emg@yemage.cn

My wechat: 15802665376

My telephone:0086-15802665376

Explanation after receiving the goods

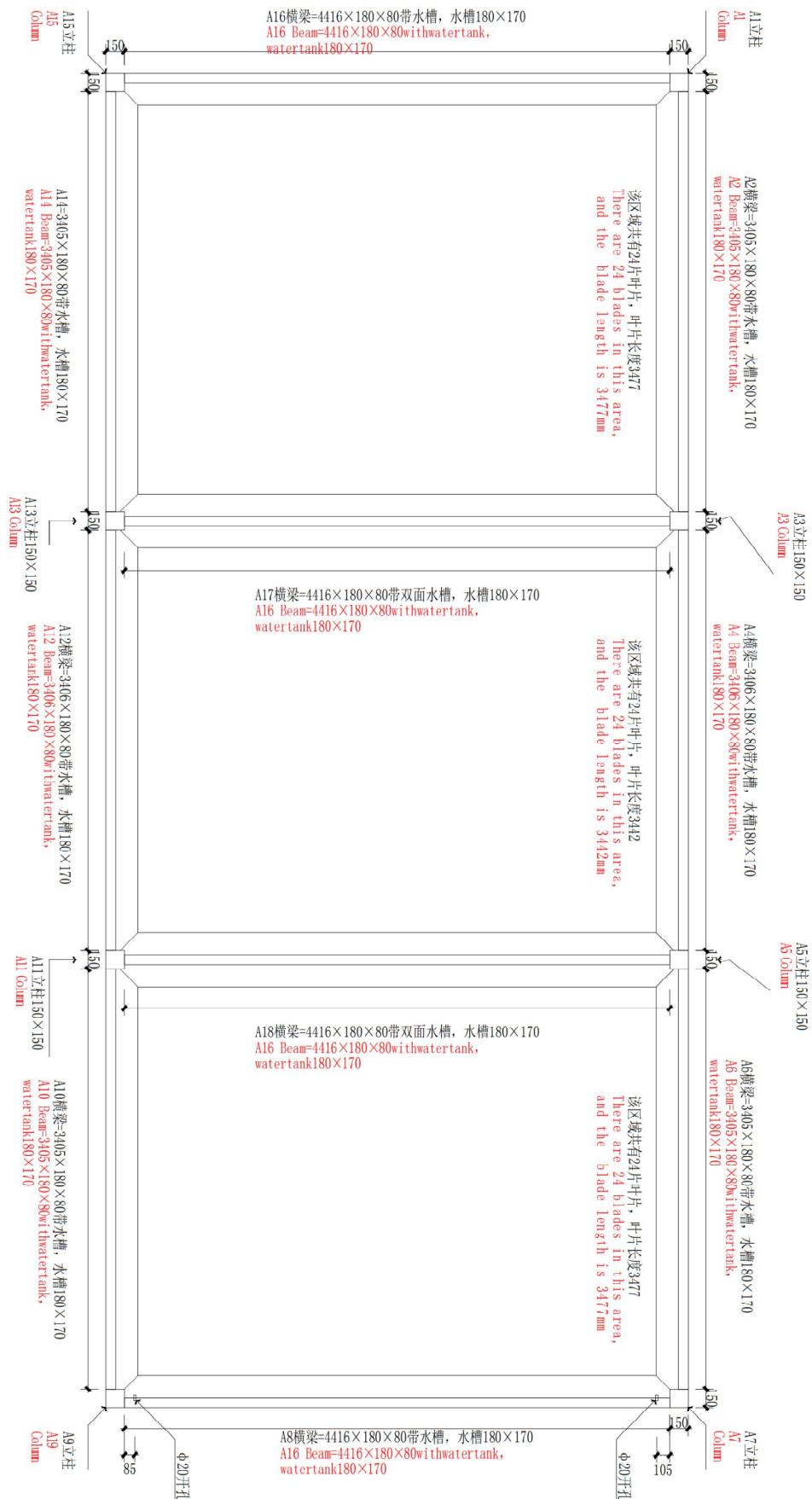
1、Electric Louver Pergola

(It's easy to install. After receiving the goods, the wooden cases are distinguished, and each wooden case is marked with a product label .)

The installation is completed according to the video reference. And every installation is the same.

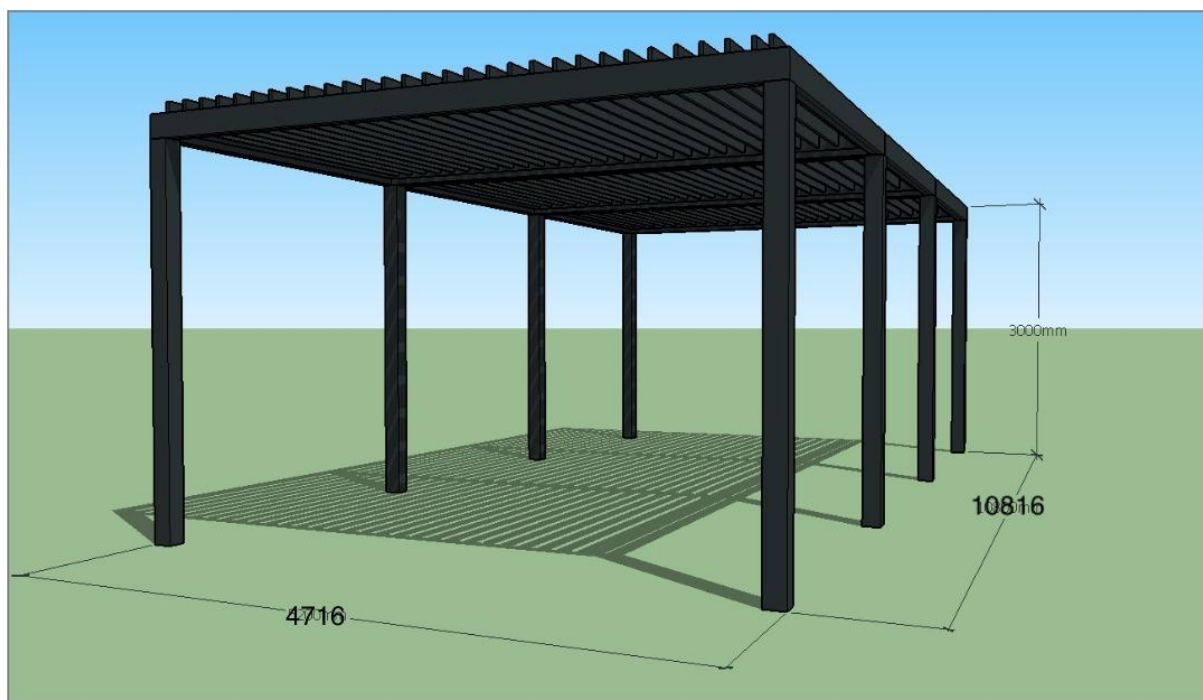
The products have been installed and debugged in the factory, so it's easy to judge the installation after getting the products.

Ref No.	Item	Making width (mm)	Making length (mm)	Making height (mm)	QTY
1	CORNER SITE PERGOLA REQUIREMENTS 2 STRUCTURES 10,816 X 4,716X 3,000	4716	10816	3,000	2
2	MAIN PLAZA PERGOLA REQUIREMENTS 1 STRUCTURE 10,816 X 4,716X 3,000	4716	10816	3,000	1
3	CASK SMUGGLERS 1 STRUCTURES (7,398 X 4,716X 3,000)	4716	7398	3,000	1
4	CASK SMUGGLERS 1 STRUCTURES (9,320 X 4,716X 3,000)	4716	9320	3,000	1

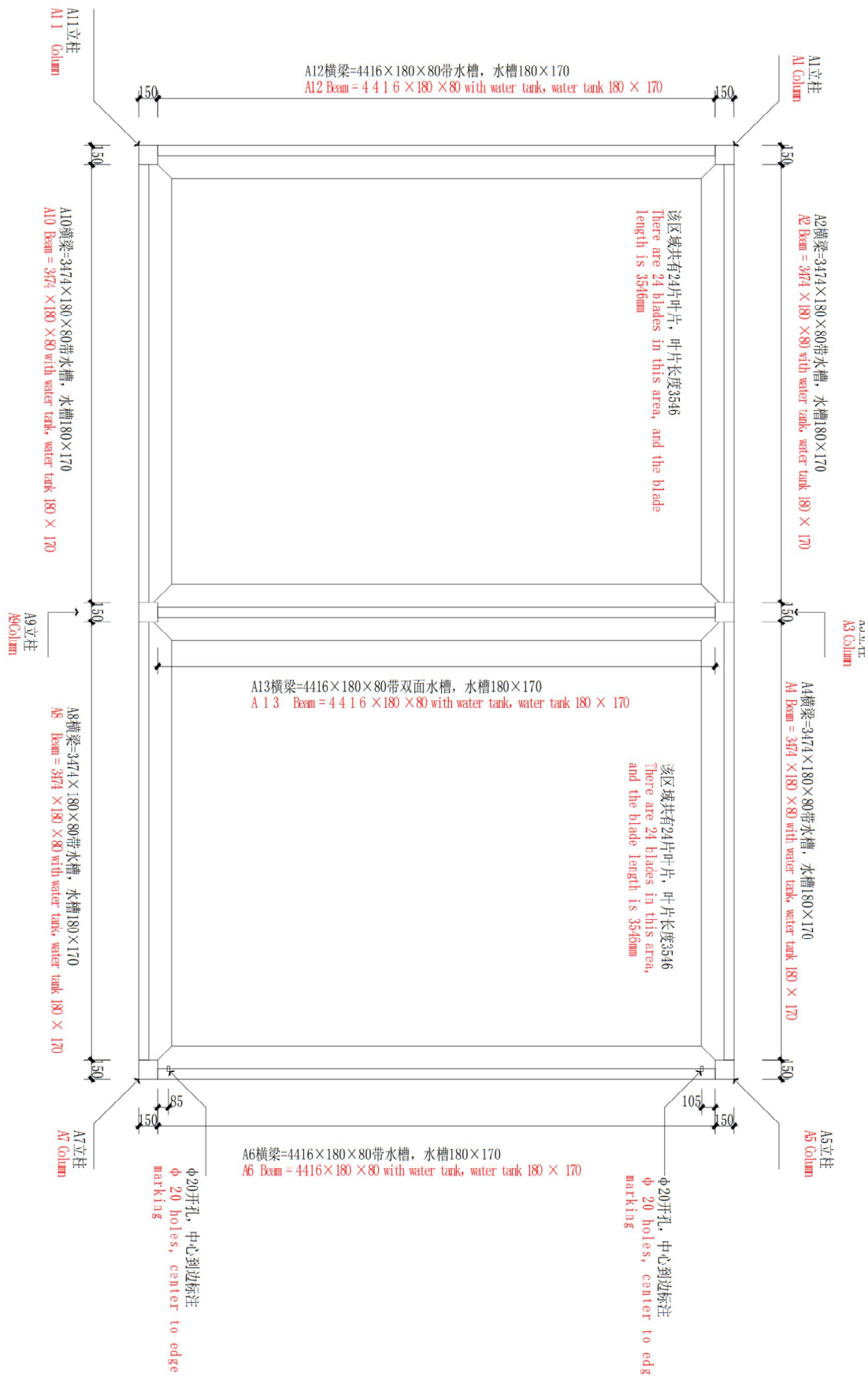


YEMAG 逸玛格®

2+1 STRUCTURE 10,816 X 4,716X 3,000

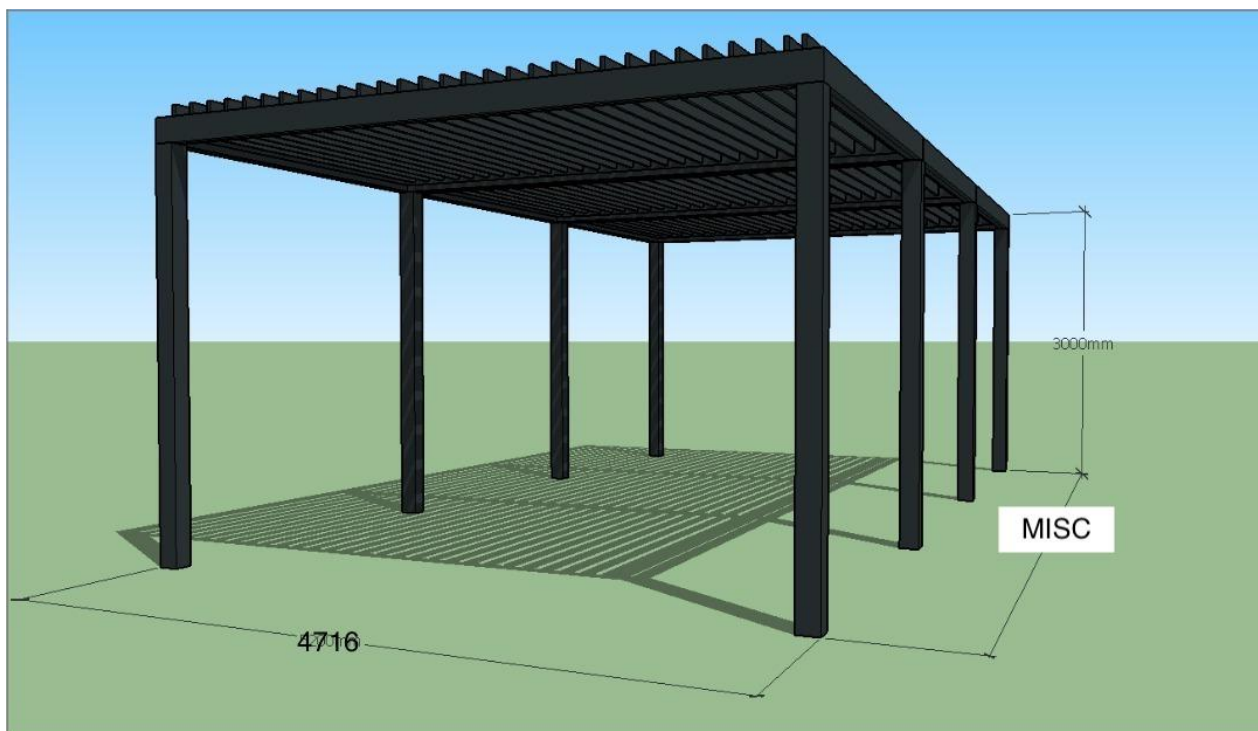


CASK SMUGGLERS 1 STRUCTURES (7,398 X 4,716X 3,000)

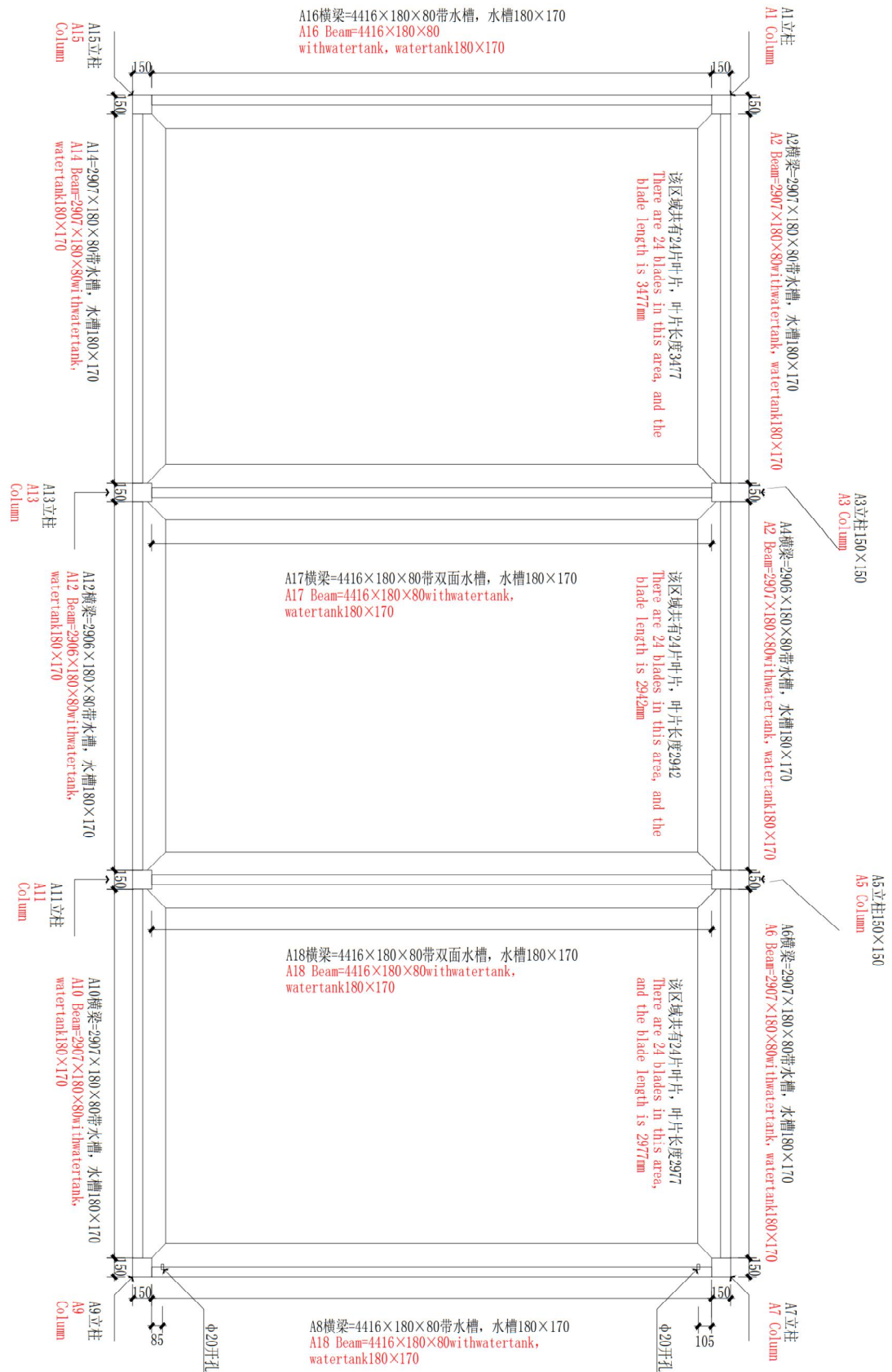


YEMAG 逸玛格®

CASK SMUGGLERS 1 STRUCTURES (7,398 X 4,716X 3,000)

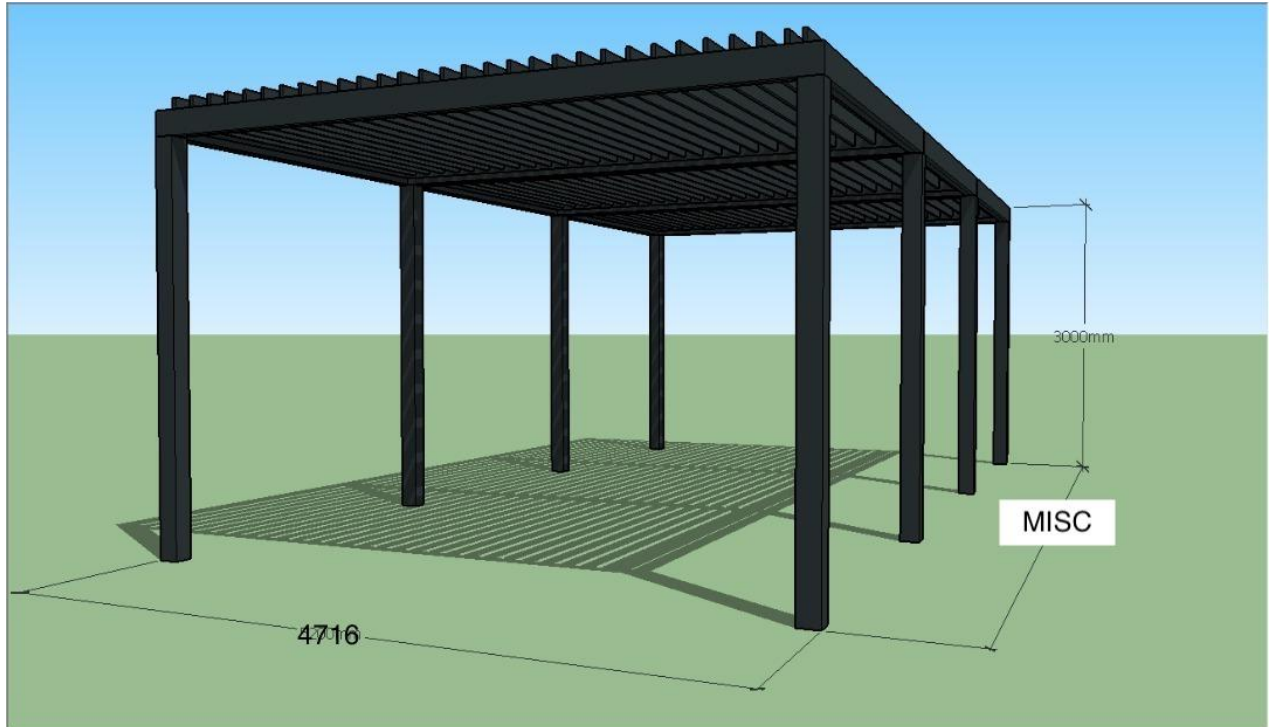


CASK SMUGGLERS 1 STRUCTURES (9,320 X 4,716X 3,000)



YEMAG 逸玛格®

CASK SMUGGLERS 1 STRUCTURES (9,320 X 4,716X 3,000)



2、Facade 14 pairs of electric sunshade roller blinds

(It's easy to install. After receiving the goods, the wooden cases are distinguished, and each wooden case is marked with a product label .)

According to the product label on the package, the product distribution position can be identified. According to the size, it is installed in each hole. After seeing the product, you can identify the installation mode. This product is also the last part of the installation.

It doesn't need to be unpacked at first. After the installation of the electric folding canopy and the electric louver Pavilion, the electric roller blinds is installed.

Ref No.编号	Item产品名称	Operation控制方式	Making width制作宽度(mm)	Making height制作高度(mm)	QTY数量	unit单位
NO.1	electric roller blinds 电动防风卷帘	Remote遥控	4410	2810	1	sets套
NO.2	electric roller blinds 电动防风卷帘	Remote遥控	4410	2810	1	sets套
NO.3	electric roller blinds 电动防风卷帘	Remote遥控	4585	2390	1	sets套
	electric roller blinds 电动防风卷帘	Remote遥控	4585	2390	1	sets套
NO.4	electric roller blinds 电动防风卷帘	Remote遥控	4585	2390	1	sets套
	electric roller blinds 电动防风卷帘	Remote遥控	4585	2390	1	sets套
NO.5	electric roller blinds 电动防风卷帘	Remote遥控	4410	2810	1	sets套
NO.6	electric roller blinds 电动防风卷帘	Remote遥控	4410	2810	1	sets套
NO.7	electric roller blinds 电动防风卷帘	Remote遥控	4510	2390	1	sets套
NO.8	electric roller blinds 电动防风卷帘	Remote遥控	4410	2810	1	sets套
NO.9	electric roller blinds 电动防风卷帘	Remote遥控	2900	2810	1	sets套
	electric roller blinds 电动防风卷帘	Remote遥控	2900	2810	1	sets套
	electric roller blinds 电动防风卷帘	Remote遥控	2900	2810	1	sets套
NO.10	electric roller blinds 电动防风卷帘	Remote遥控	4410	2810	1	sets套

3、 Electric Folding Awning

(The installation of the electric folding awning is more complicated.

Here we carry on the product the concrete installation instruction.)

Ref No.	Item	QTY
1	MAIN PLAZA PERGOLA REQUIREMENTS 2 STRUCTURES 10,500 X 9480X 2,500	2
2	CASK SMUGGLERS 1 STRUCTURE 14,564 X 4,716X 2,500	1
3	CASK SMUGGLERS 1 STRUCTURES 8,400 X 6,080X 2,750 (beam height size 145mm)	1

Electric folding canopy

电 动 折 叠 篷

Note: the installation of electric folding awning is easy to distinguish.
Here are clear installation instructions for your project. The specific installation steps and installation diagram are as follows. My colleagues attached the installation video screen to facilitate the installation of workers on site.

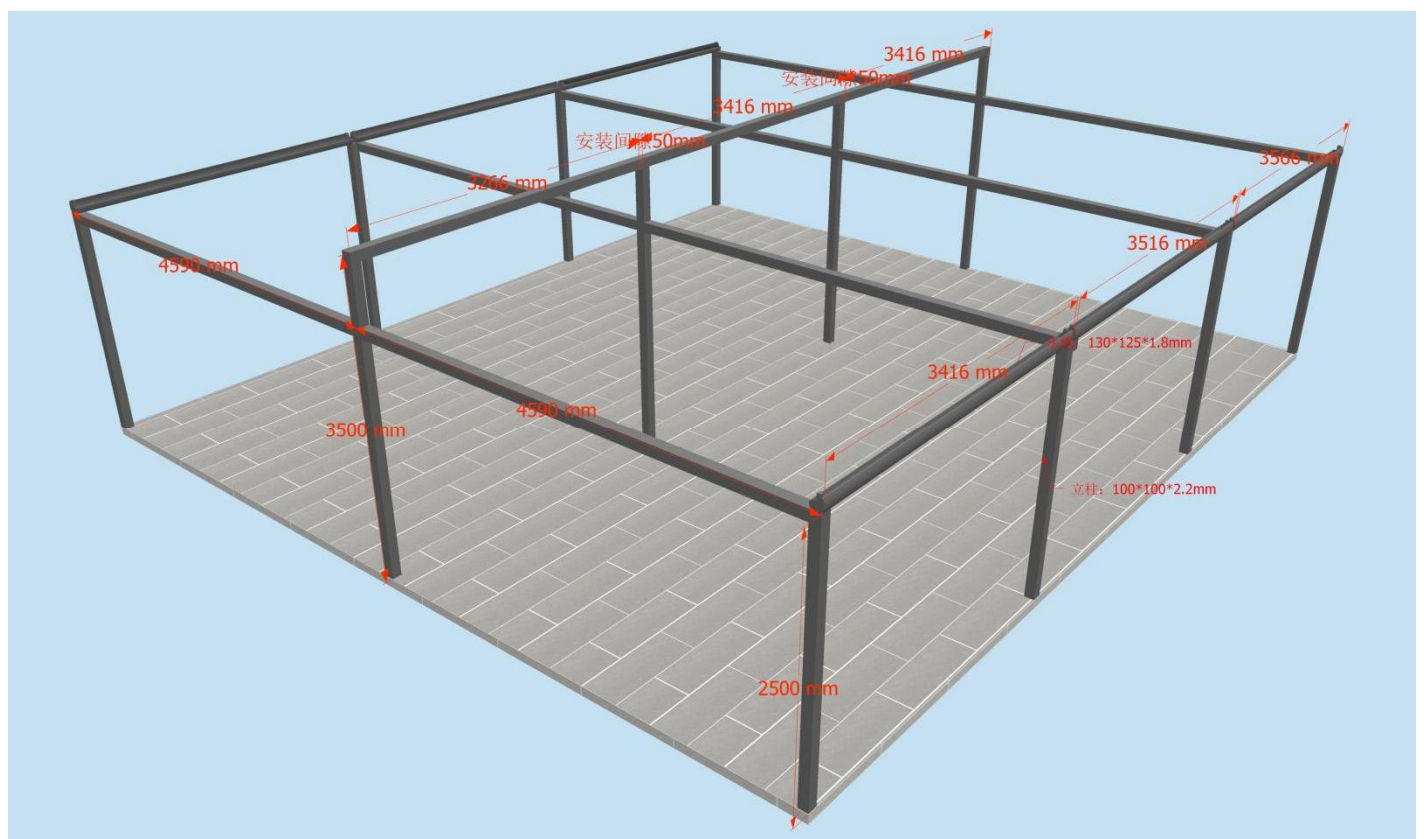
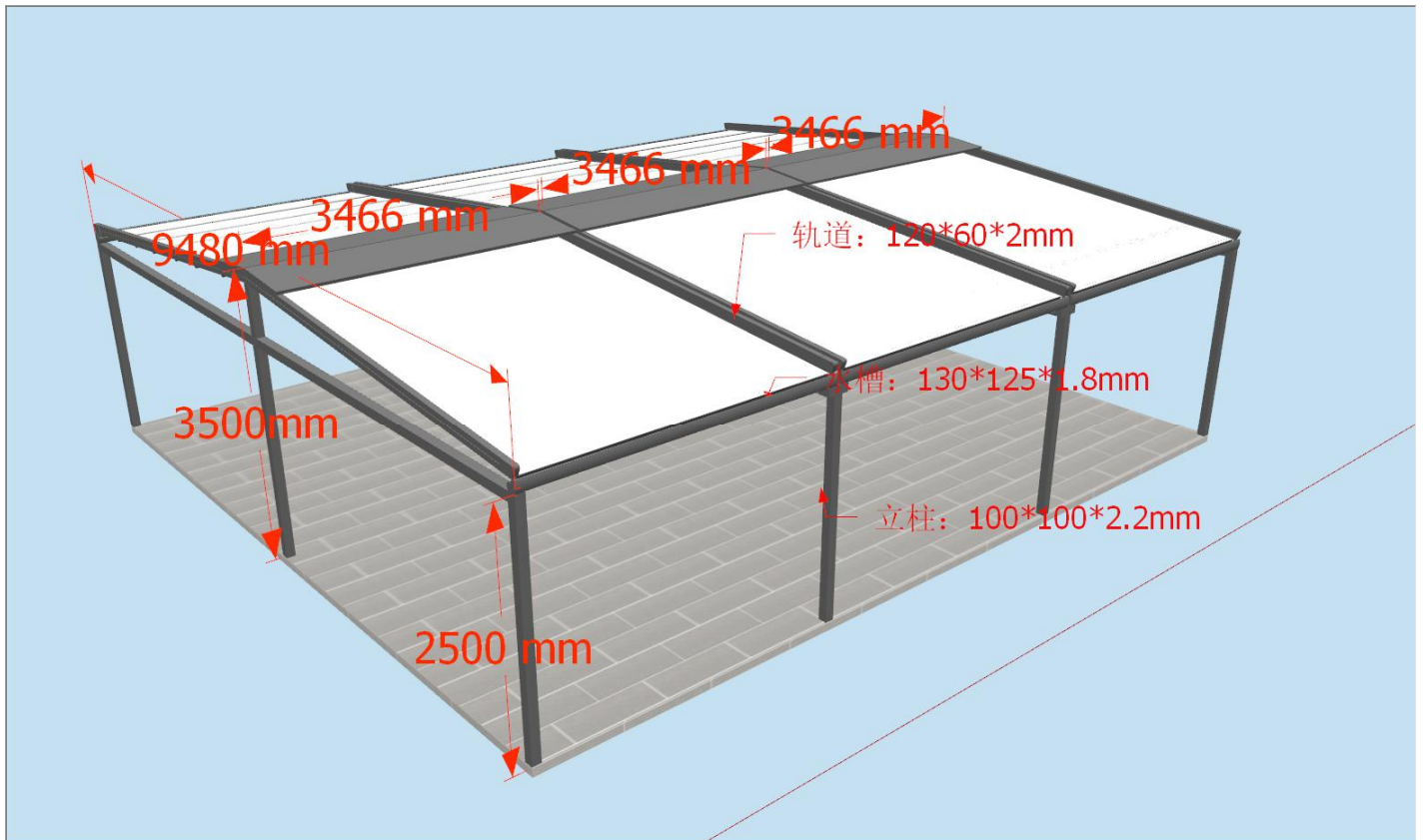


YEMAG 逸玛格®

MAIN PLAZA PERGOLA REQUIREMENTS

2 STRUCTURES

Installation structure details——Sharp angle type



YEMAG 逸玛格®

CASK SMUGGLERS

1 STRUCTURES

Installation structure details——Arc type

