

Proposal for Glass canopy roof wrapping Around the South and West sides of the building at 6-8 Thatch Leach lane.

The basic proposal is to create an ambient, al-fresco dining experience.

Schematic



System Used

– Cedrus made by Sunset Awnings, Turkey.

Rails – Diamond

Pillars – Diamond

Aluminium colour – Cool Grey

Awning fabric colour- Mid Grey

- For further information please see **Cedrus** catalogue, which has been included with this application

Sliding Glass Doors and vertical drop panels.

This product fully glazed sliding door is based on an extremely compact and lightweight aluminum profile system for the acceptance of extensive glass elements. The system is deliverable with 3 tracks per panel. The single panels run on ball-bearing rollers and are equipped with carriers, which automatically pull the next panel during the closing

operation. The locking is usually carried out with the locking fitting on internal glass automatically.

All movable panels are equipped with height adjustable quality rollers at the bottom and can therefore easily be moved into the desired position.

All panels in this construction are separately movable. The first panel will be equipped with a lock at 3 points and a security handle.

The drop panels are fitted in 3 equal height sections with the lower panel to be fixed to the frame. The top two panels can be lowered by remote control.

All of the vertical sliding panels apart from the main entrance door will remain closed at all times unless for cleaning purposes and in emergencies to prevent break out of noise.

The glass units will be double glazed, with 4mm safety glass, and 16mm spacer bar between panes.

Roof Awning

While getting support from the aluminium poles located at the front section of the pergola, at the rear section, Steel flange plates are used to fix the Canopy profile to the wall. (M15 x 200mm bolts) fixed to concrete pads 450 x 450mm under each vertical support post.

On the frontal pole, the aluminium valley profile, will act as a gutter collecting rain water with use of the inclination and transfers it to outside via its special water drainage at the base of the support pillars.



Lighting System

Built in LED lights are fitted to the underside of the roof fabric, which is operated by a remote dimmable switch. There are many options available and we will take advise as to the maximum output we can use at night time but it is important but state that the lighting system is only intended for 'low level mood lighting' There will be 80 lights in total fixed to the underside of the awning. Power ratings: 240w 5ww

Actual colour of Canvas awning is shown below



Fabric

Sunset A.S. is a work partner of Sioen, which is largest and highest quality PVC fabric producer of the world.

Only Sunset presents the widest color and design color chart of Turkey to the taste of the customers.

We are confident that, among the fabric alternatives that are renewed every year, you will be finding the color and design that very well suits your living area.

Technical Properties		
Fabric	100 % PES, 1100 dTex	
Weight	850 gr/m2	DIN ISO 2286/2 1998
Boss	LIN	
Characteristic	ABUV/SOP	
Coating	1.Jan	
Fracture Resistance (WARP)		EN ISO 1421/ 1998
Fracture Resistance (WEFT)		EN ISO 1421/ 1998
Tearing Resistance (WARP)		DIN 53363 2003
Tearing Resistance (WEFT)		DIN 53363 2003
Adhesive Resistance		EN ISO 2411 2000
Heat Resistance	-30 / + 70 C	DIN EN 1876/2 1998
Flame Retardant		NF P 92 507 2004

Rainwater and Drainage

Rainwater is discharged through the channels on the inside of the aluminium support posts, and will connect to the two existing main drains at either end of the canopy North West corner and South Elevation (as indicated on the plan)

Stream and Water Discharge Capacity

*For each of the 32 m² fabric area,
Cedrus requires "1" unit of leg assy.*

Disaster discharge:

First time in the pergola sector, "Disaster Discharge" property is unique to Sunset. At times of sudden and very intense rain fall, flooding towards inside problem which you may observe in other pergolas is eliminated by the "Disaster Discharge" and your area of living will not be affected by the disasters.

Stream Water Transfer and Discharge Capacity (Standard: TS EN 12056-3)	
Groove Capacity	1,49 L/S
Drainage Capacity	1,20 L/S
Drainage Requirement*	32 m ² /1Piece
Under conditions of heavy rainfall (0,031 liters per hour)	

Graphics and Signboards



There are 4 signboards in total, one over the front corner entrance of the building, two on the West Elevation and one on the South Elevation.

All details and dimensions are given in the technical drawing