

Sheet Schedule

Sheet Number	Sheet Name
A3-01	Cover
A3-02	Elevation - East & West
A3-03	Elevation - North & South
A3-04	Site Plans
A3-05	Sections A & B
A3-06	Section - Stair
A3-07	Analysis - Location
A3-08	Analysis - Sunlight
A3-09	Analysis - Radiation
A3-10	Clash detection
A3-11	Clash detection - Part 2
A3-12	Sequencing
A3-13	Quantity takeoff
A3-14	Quantity takeoff Part2
A3-15	Costs schedule



Design Information Management BIM Documents

Project Number	CODE2270
Date	Oct / 2022
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Checked by	Ken Lin

Cover

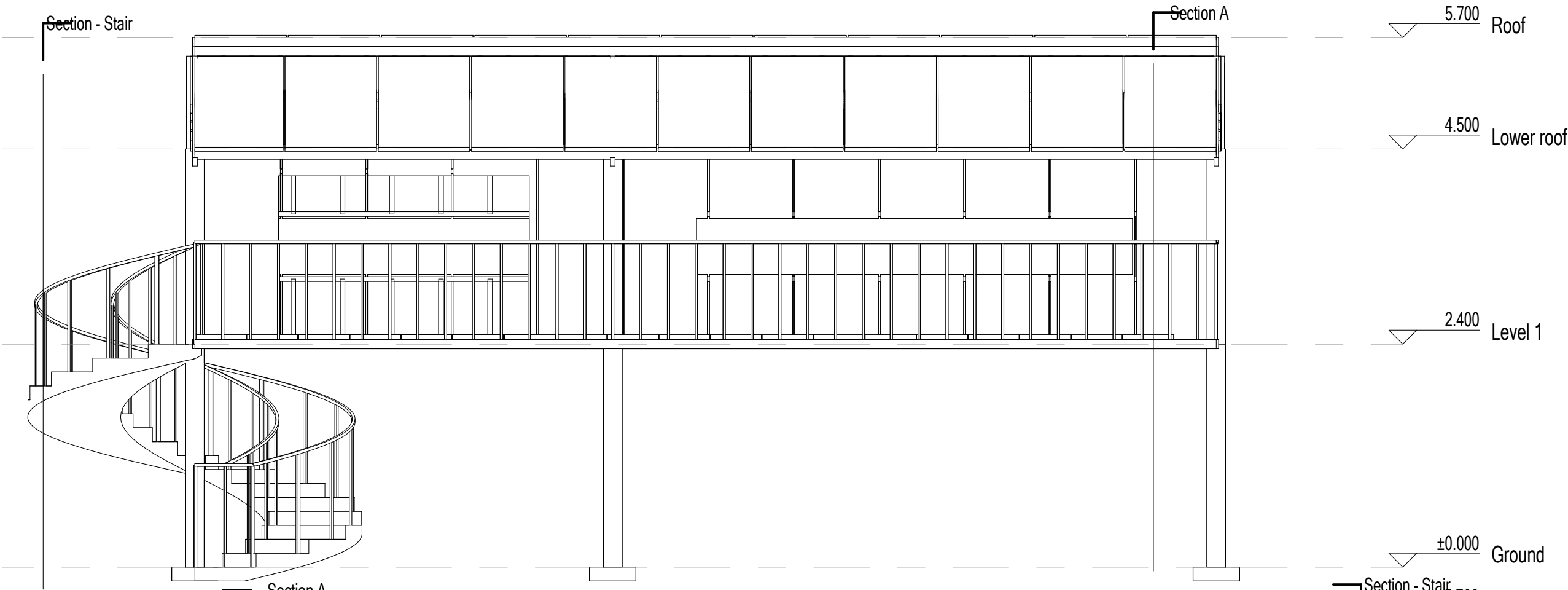
A3-01

Sheet size

A3

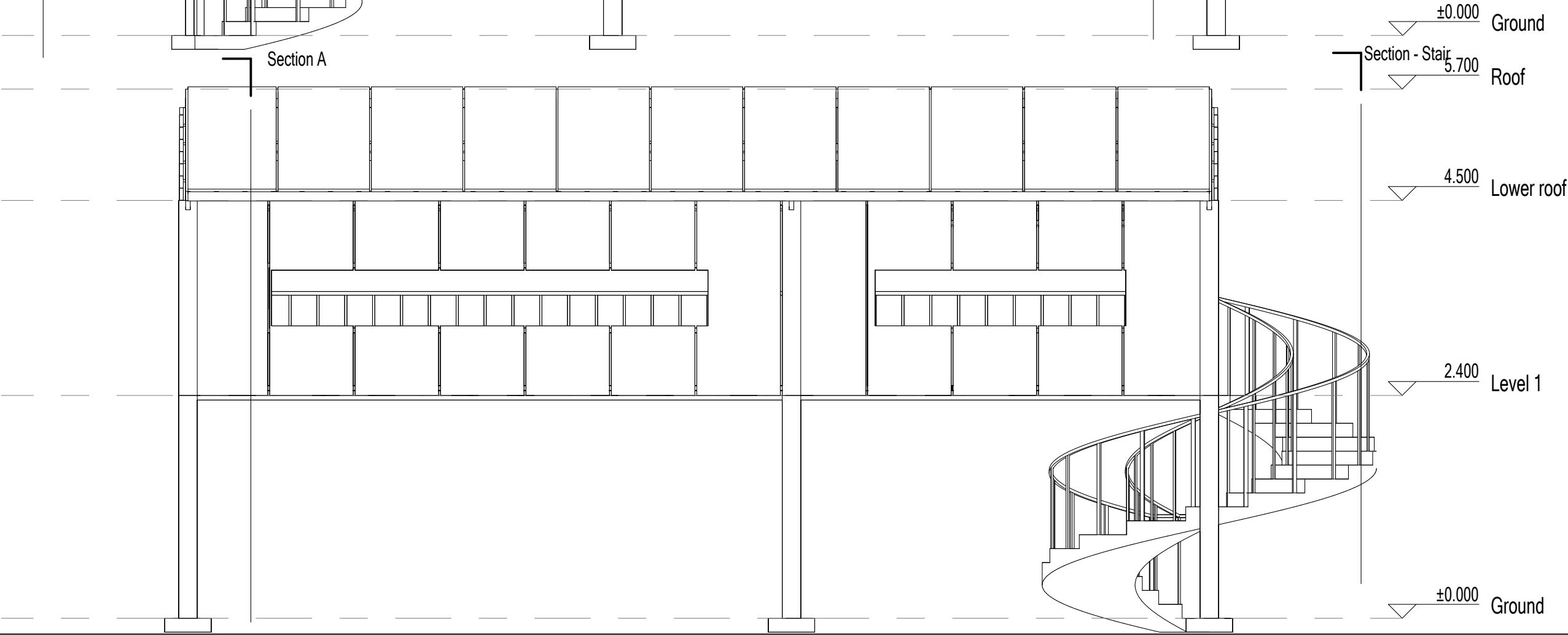
East -
Elevation

Scale 1 : 50



West -
Elevation

Scale 1 : 50



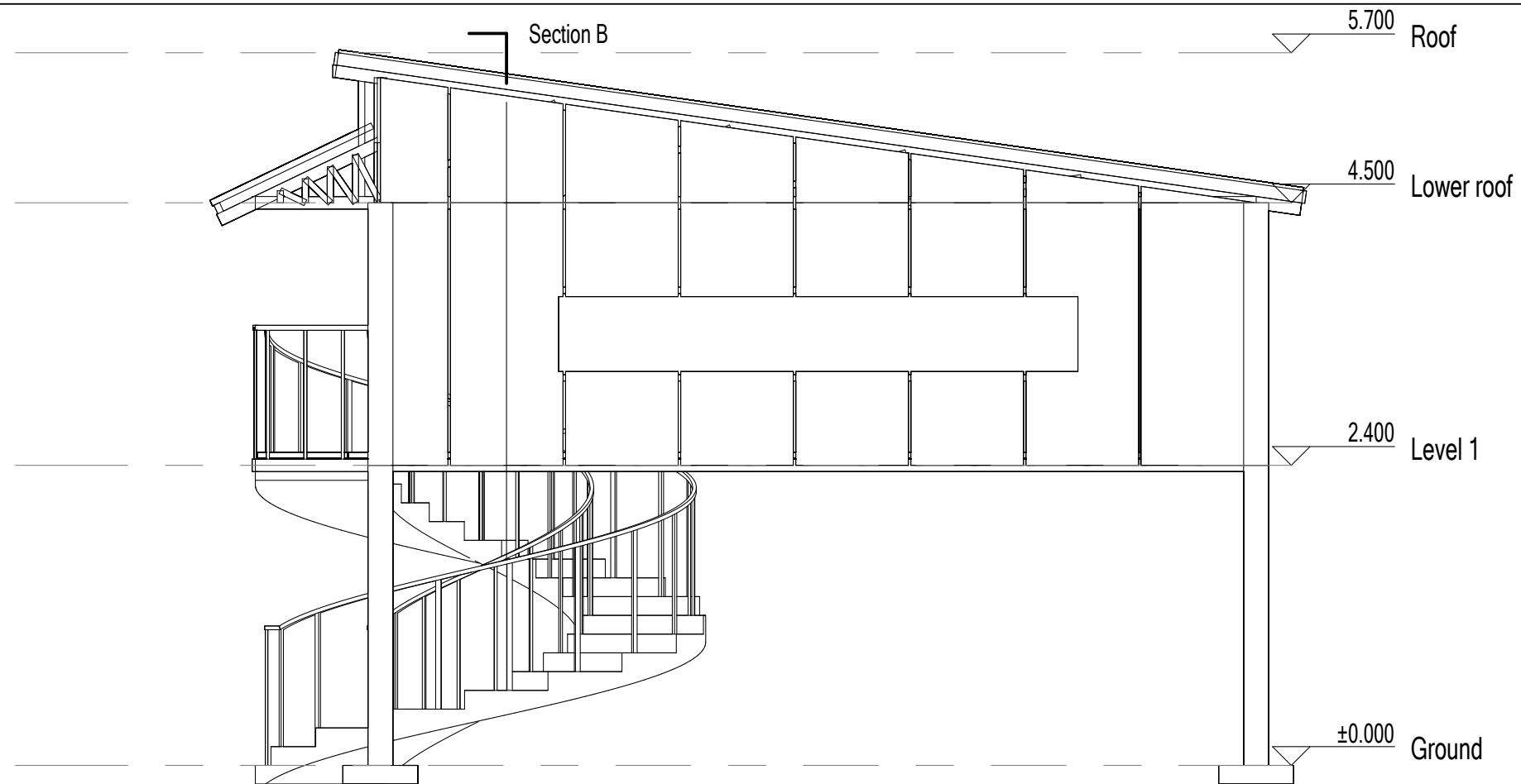
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Project Number	CODE2270
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Elevation - East & West	
A3-02	Sheet size A3

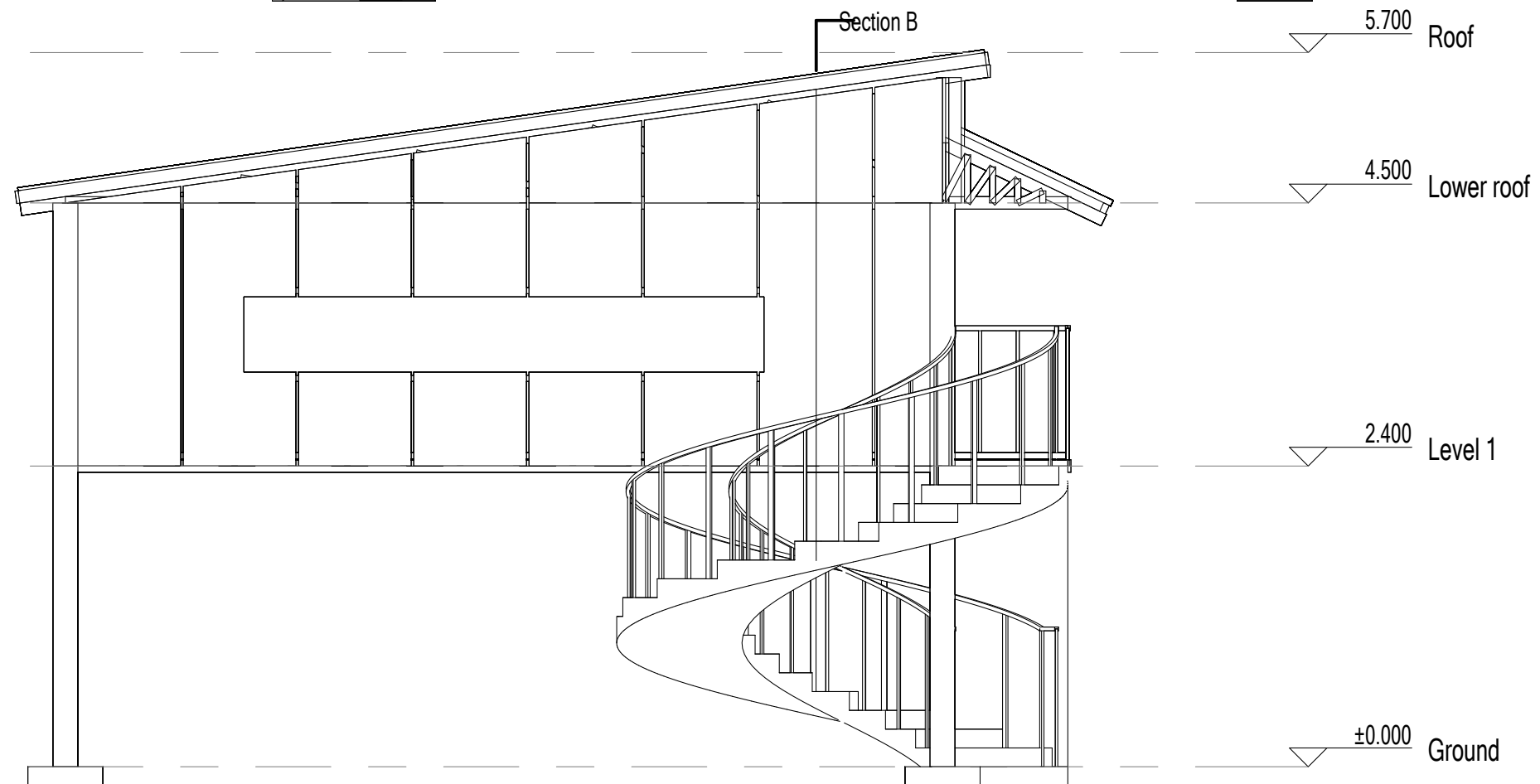
North - Elevation

Scale 1 : 50



South - Elevation

Scale 1 : 50



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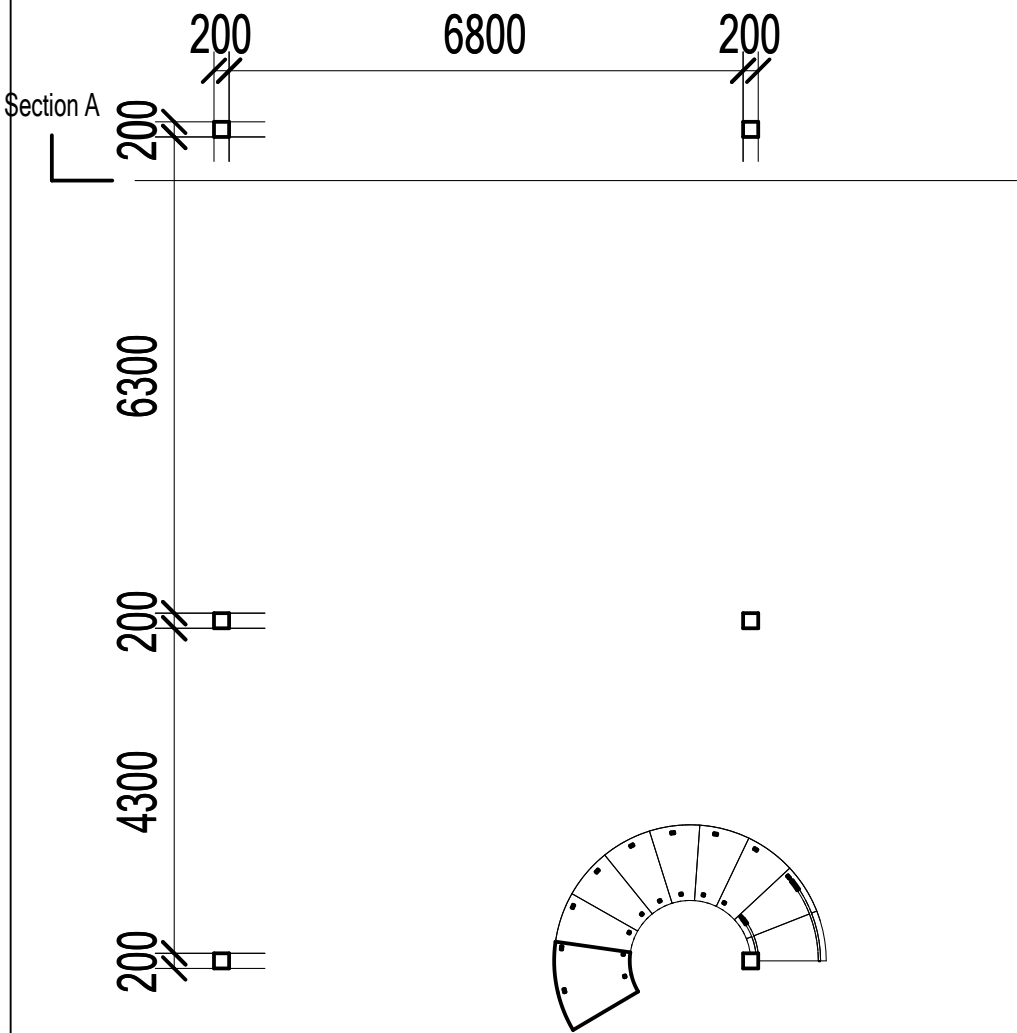
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Elevation - North & South

A3-03

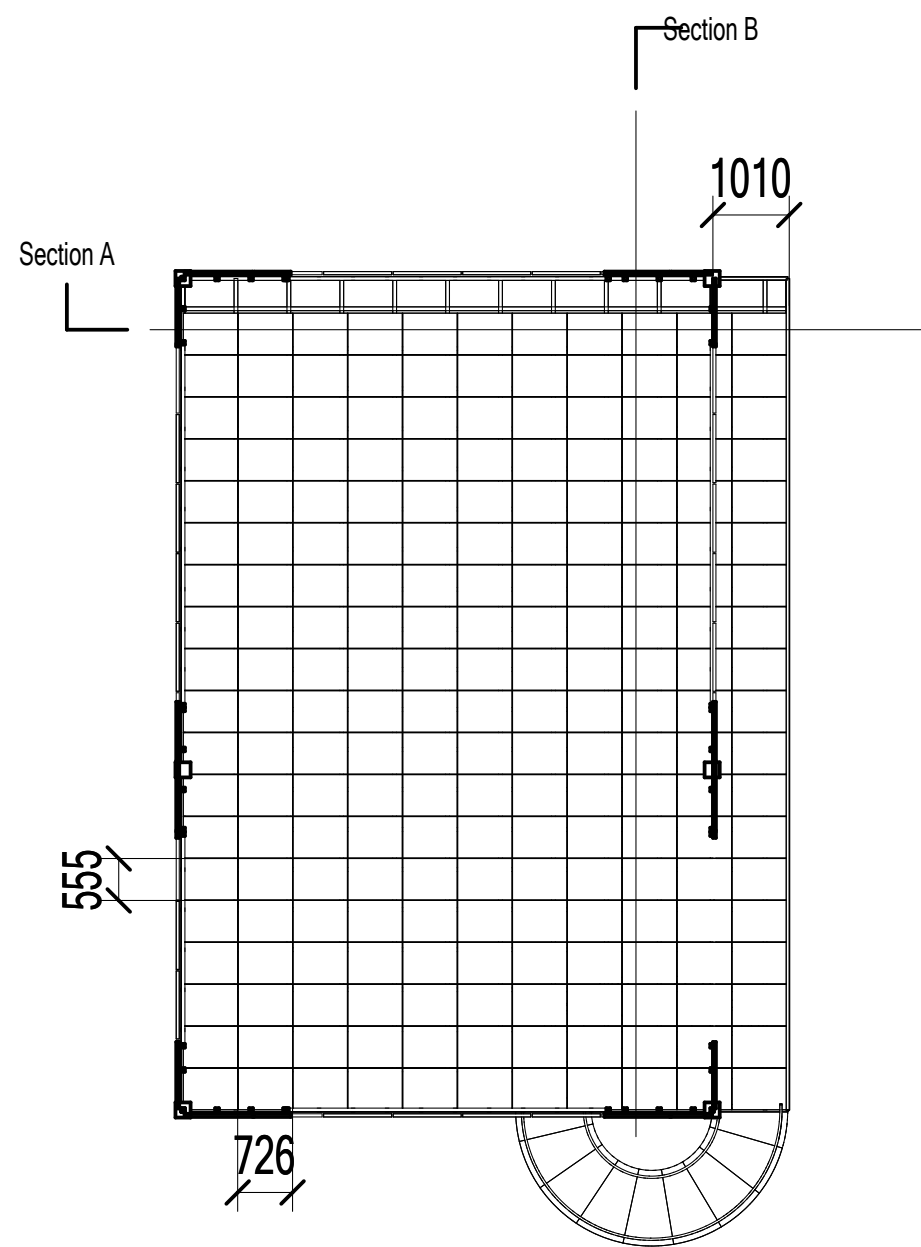
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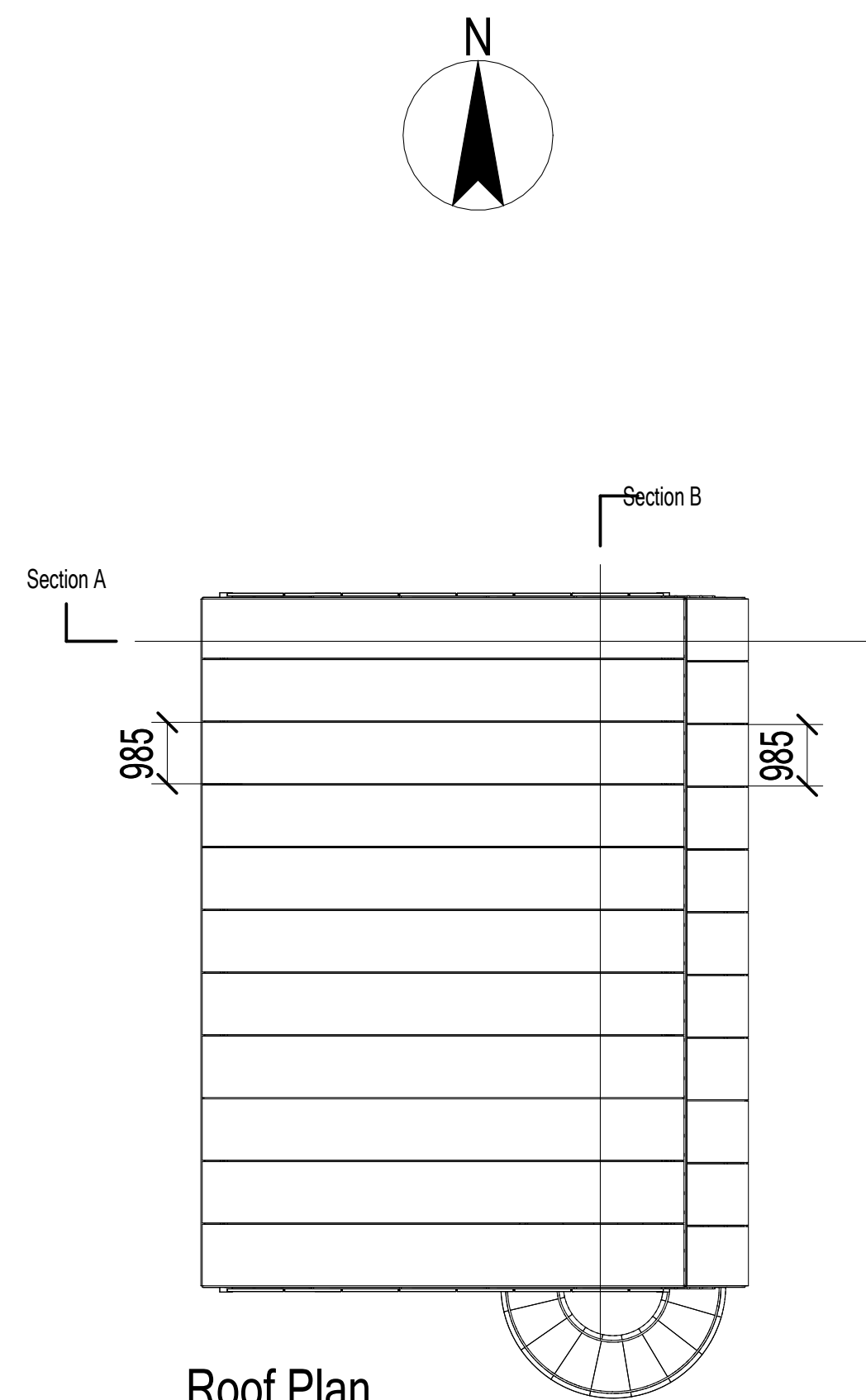
Foundation
Plan

Scale 1 : 100



Level 1 Plan

Scale 1 : 100



Roof Plan

Scale 1 : 100



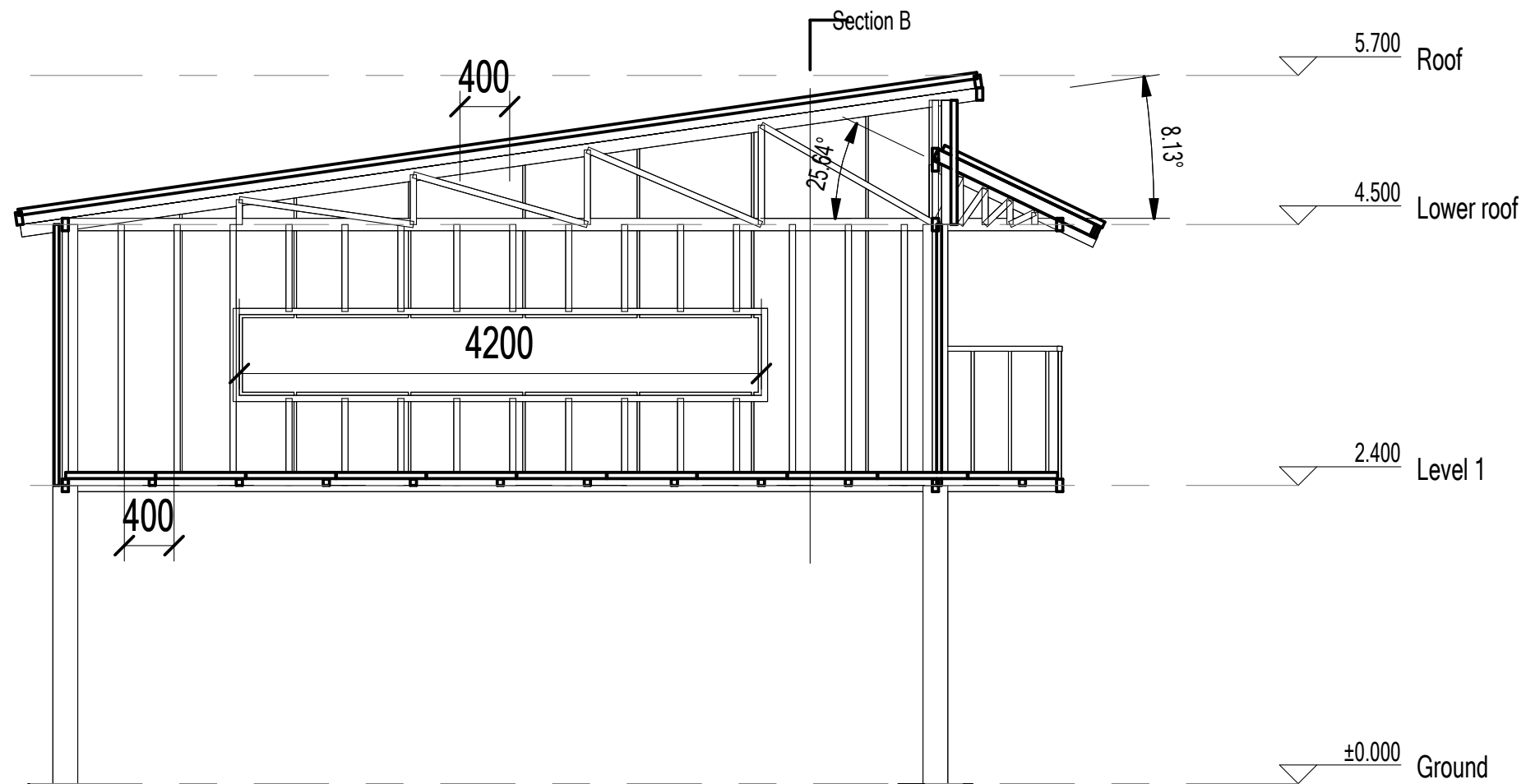
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Project Number	CODE2270
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Site Plans	
A3-04	Sheet size A3

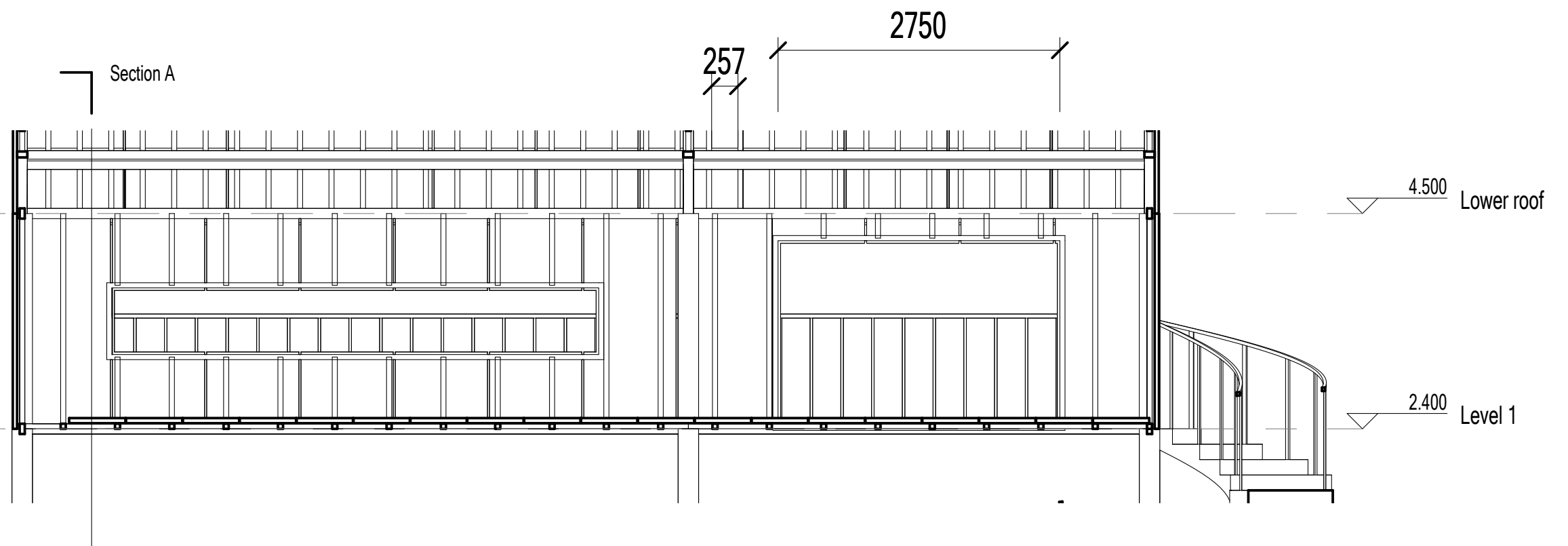
Section A

Scale 1 : 50



Section B

Scale 1 : 50



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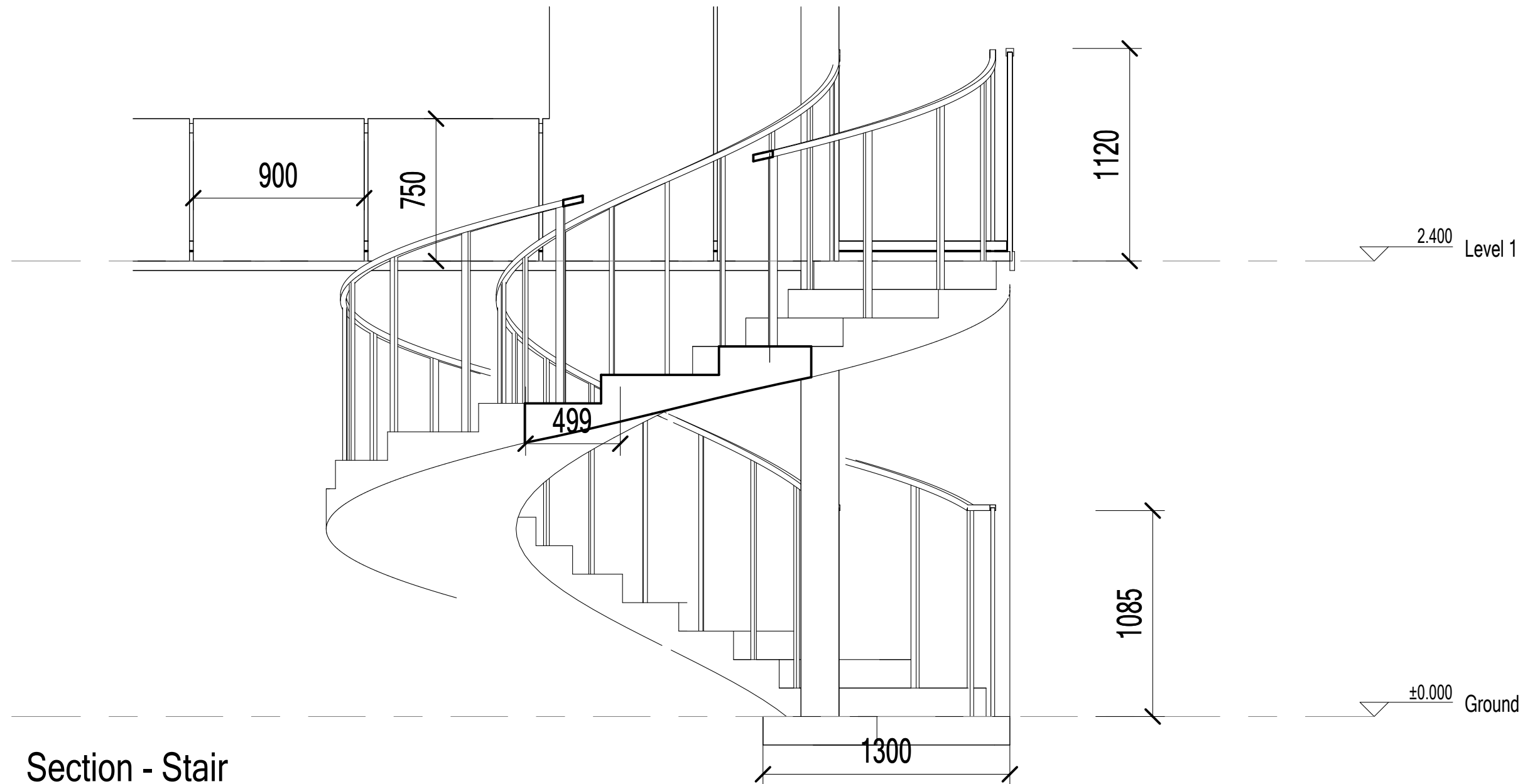
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Sections A & B

A3-05

Sheet size
A3





Section - Stair

Scale 1 : 25



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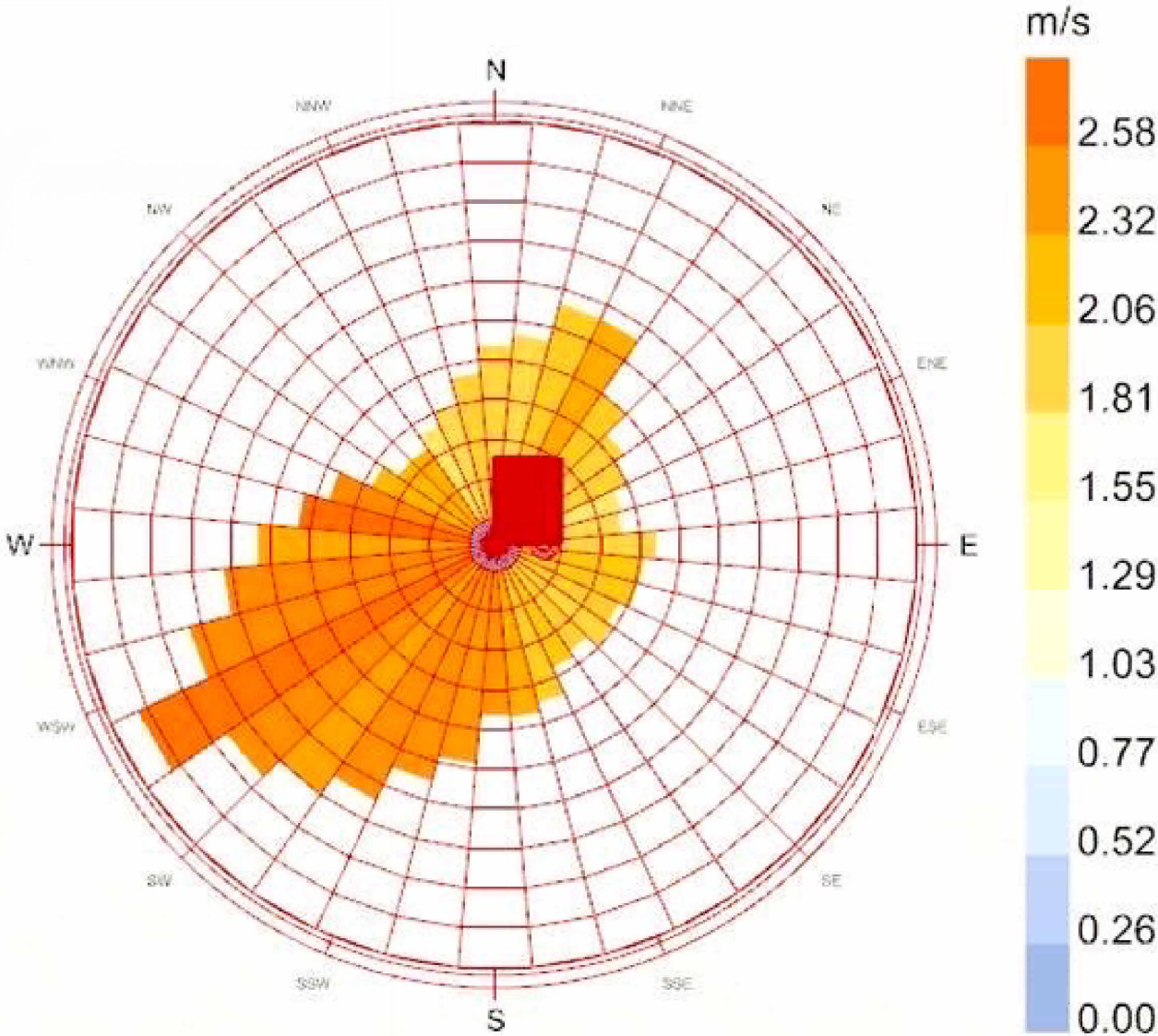
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Date	Oct / 2022
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Section - Stair	
A3-06	Sheet size A3

Location Siem Reap



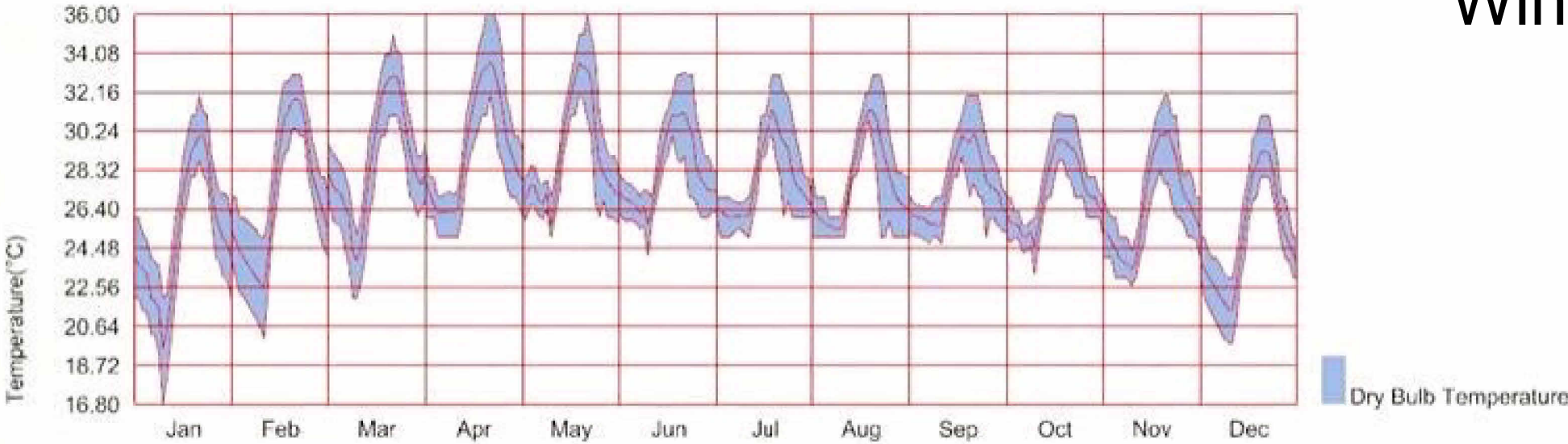
Siem Reap Province



Wind Speed (m/s)

Siem Reap Wind speed

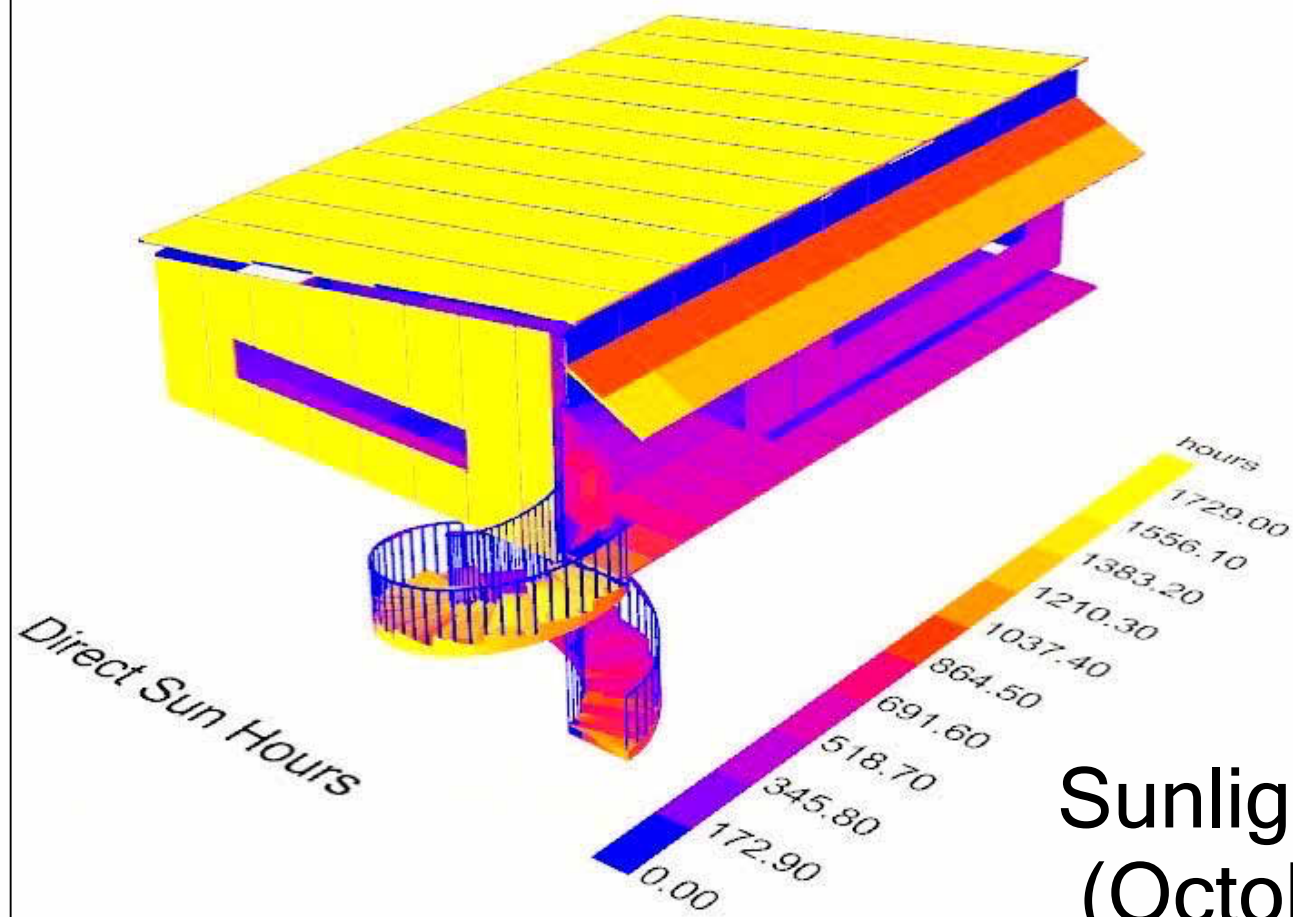
Siem Reap Tempreature



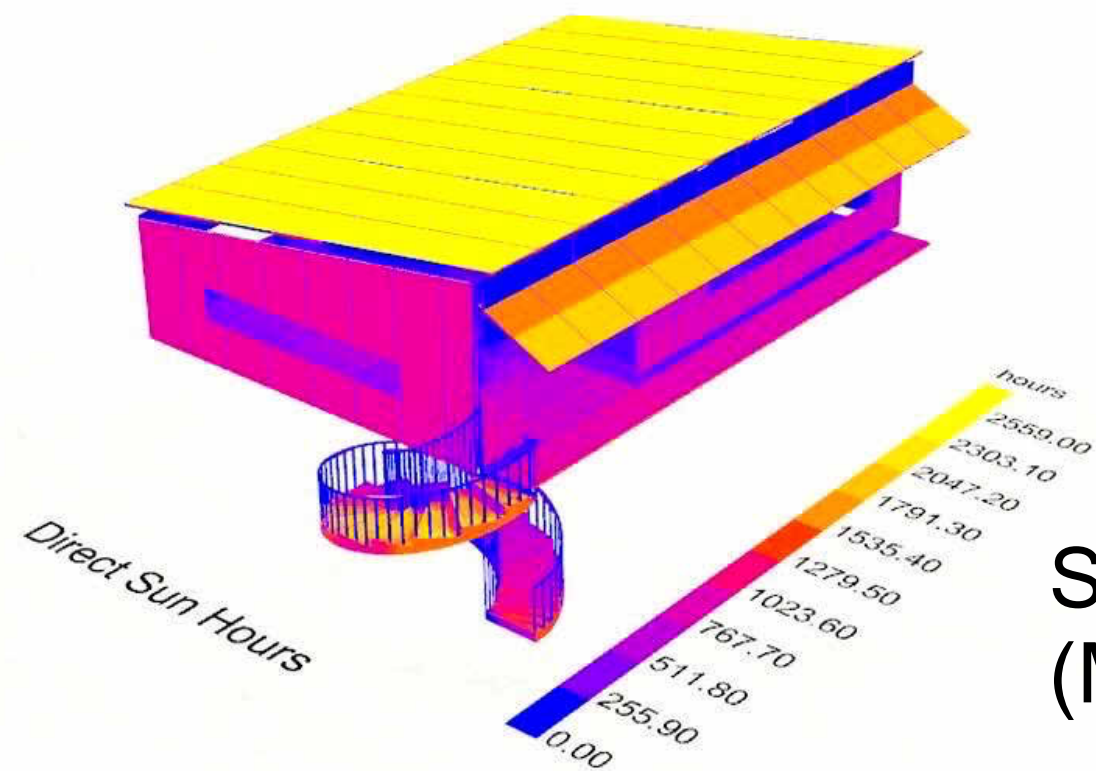
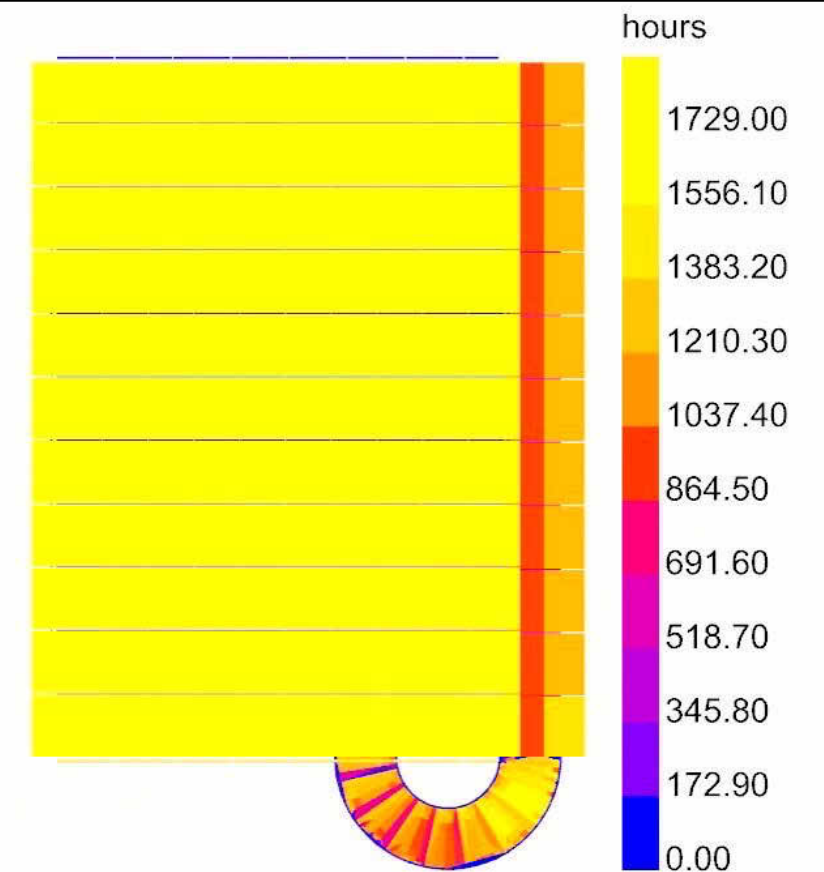
Design Information Management
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Project Number	CODE2270
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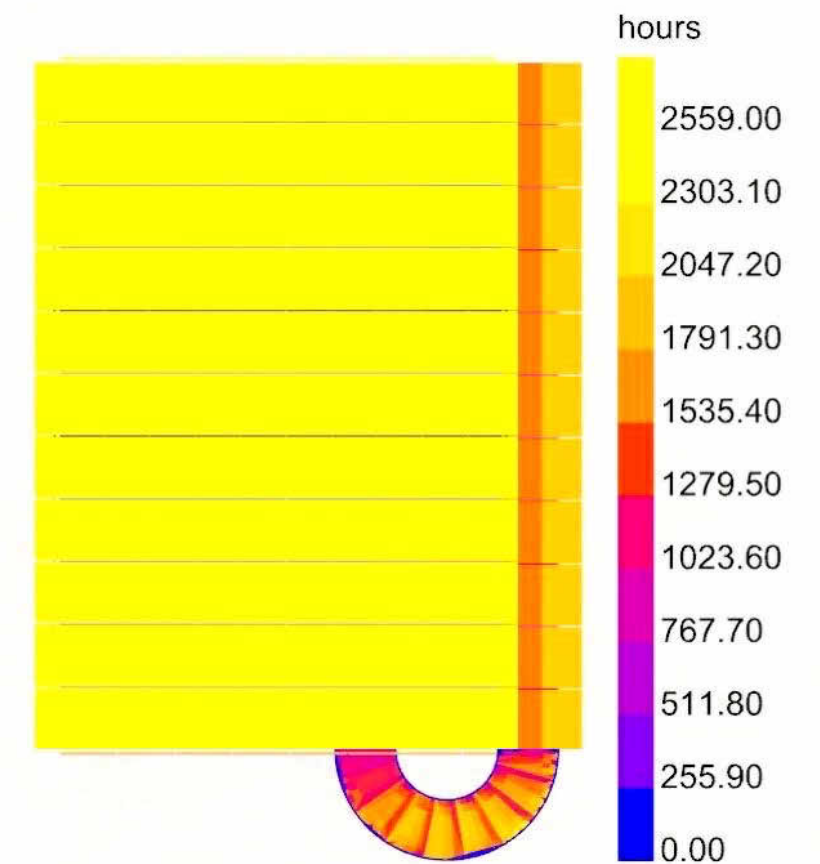
Analysis - Location	
A3-07	Sheet size A3



Sunlight hours in cool season
(October to February)



Sunlight hours in hot season
(March to September)



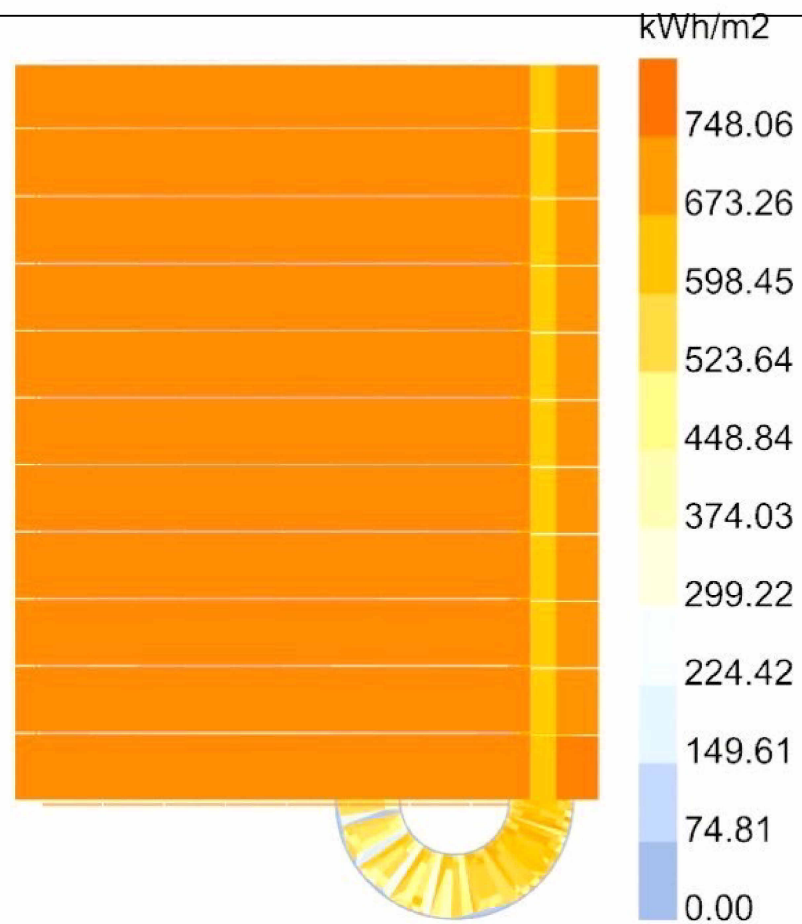
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Project Number	CODE2270
Date	Oct / 2022
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Analysis - Sunlight

A3-08

Sheet size
A3



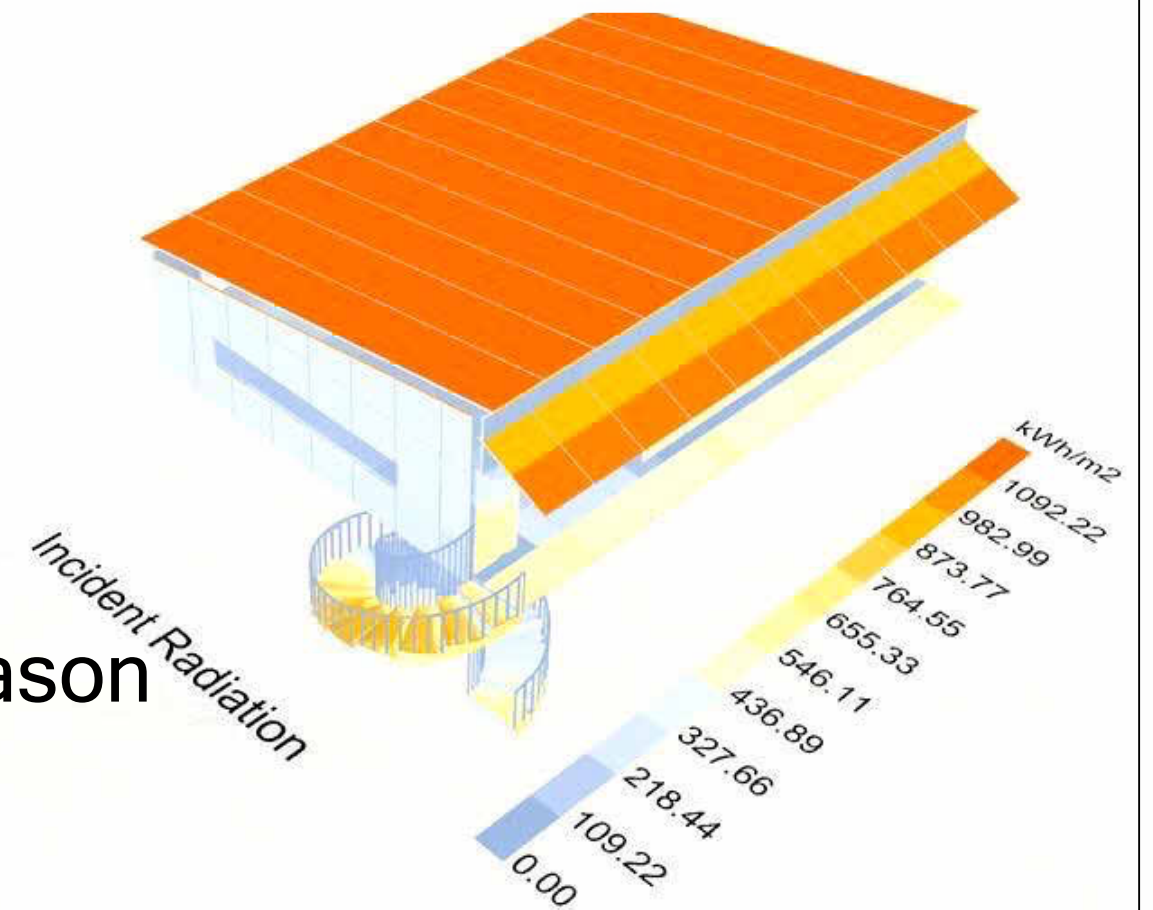
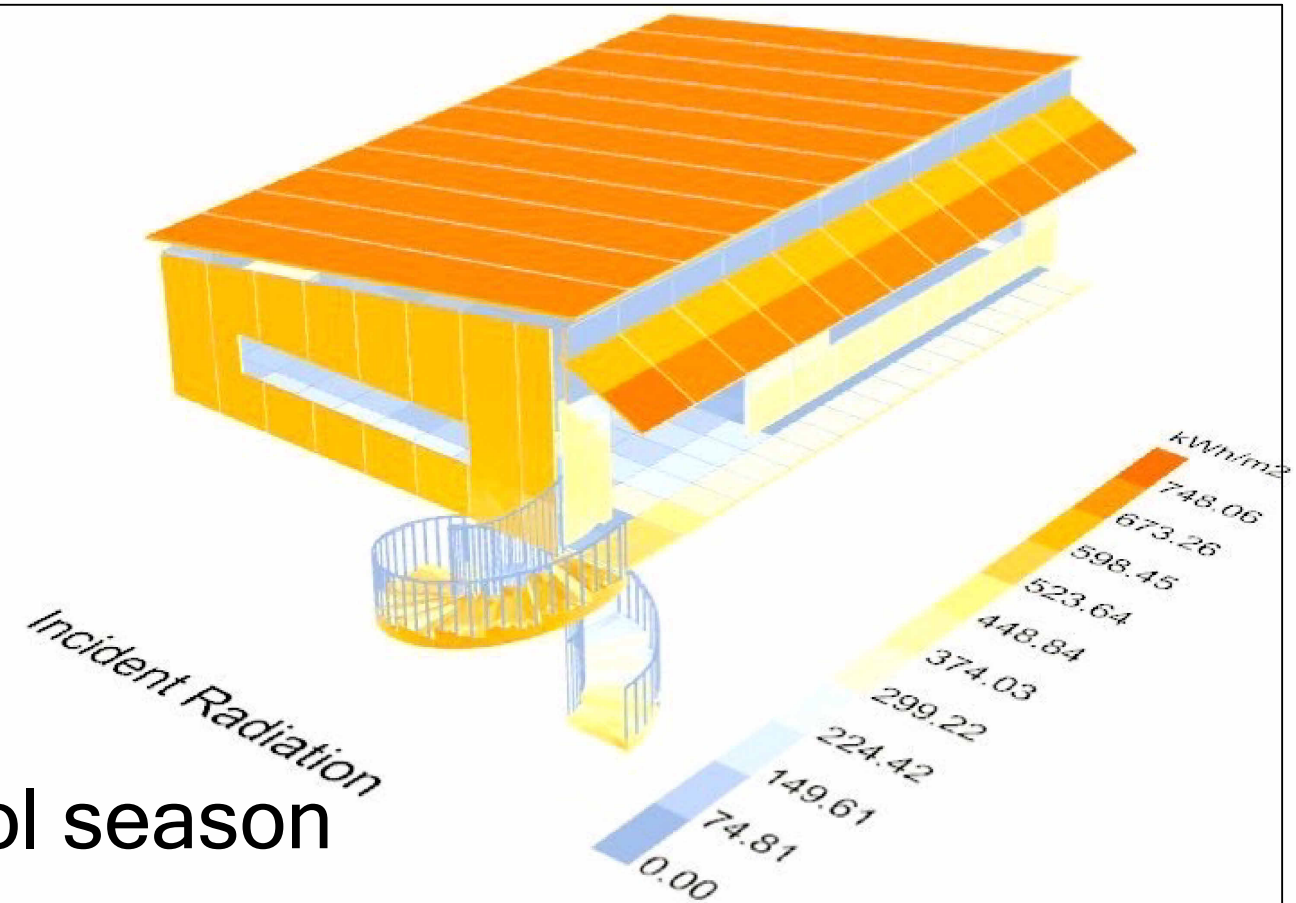
Incident Radiation

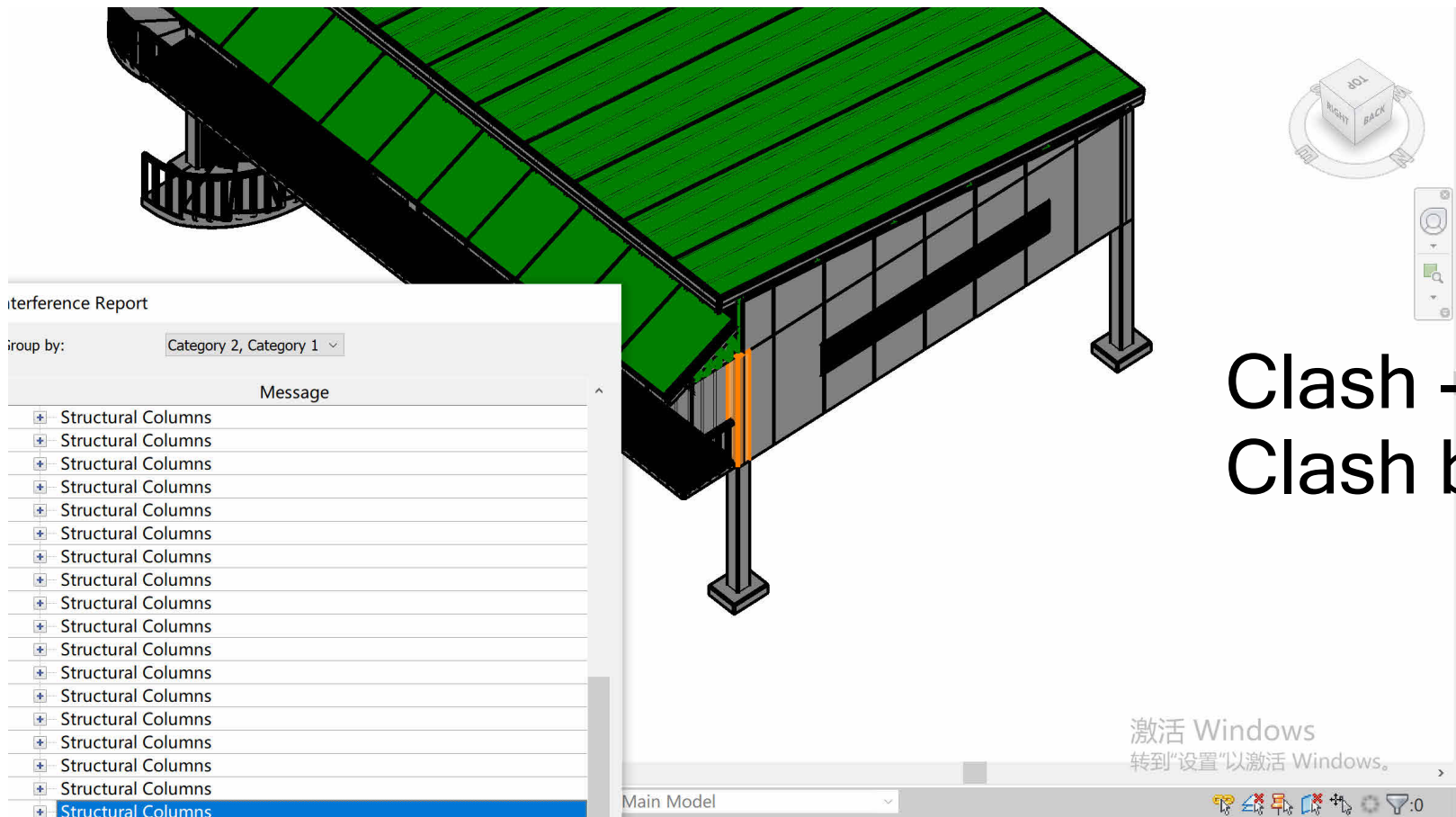


Incident Radiation

Incident Radiation in cool season
(October to February)

Incident Radiation in hot season
(March to September)



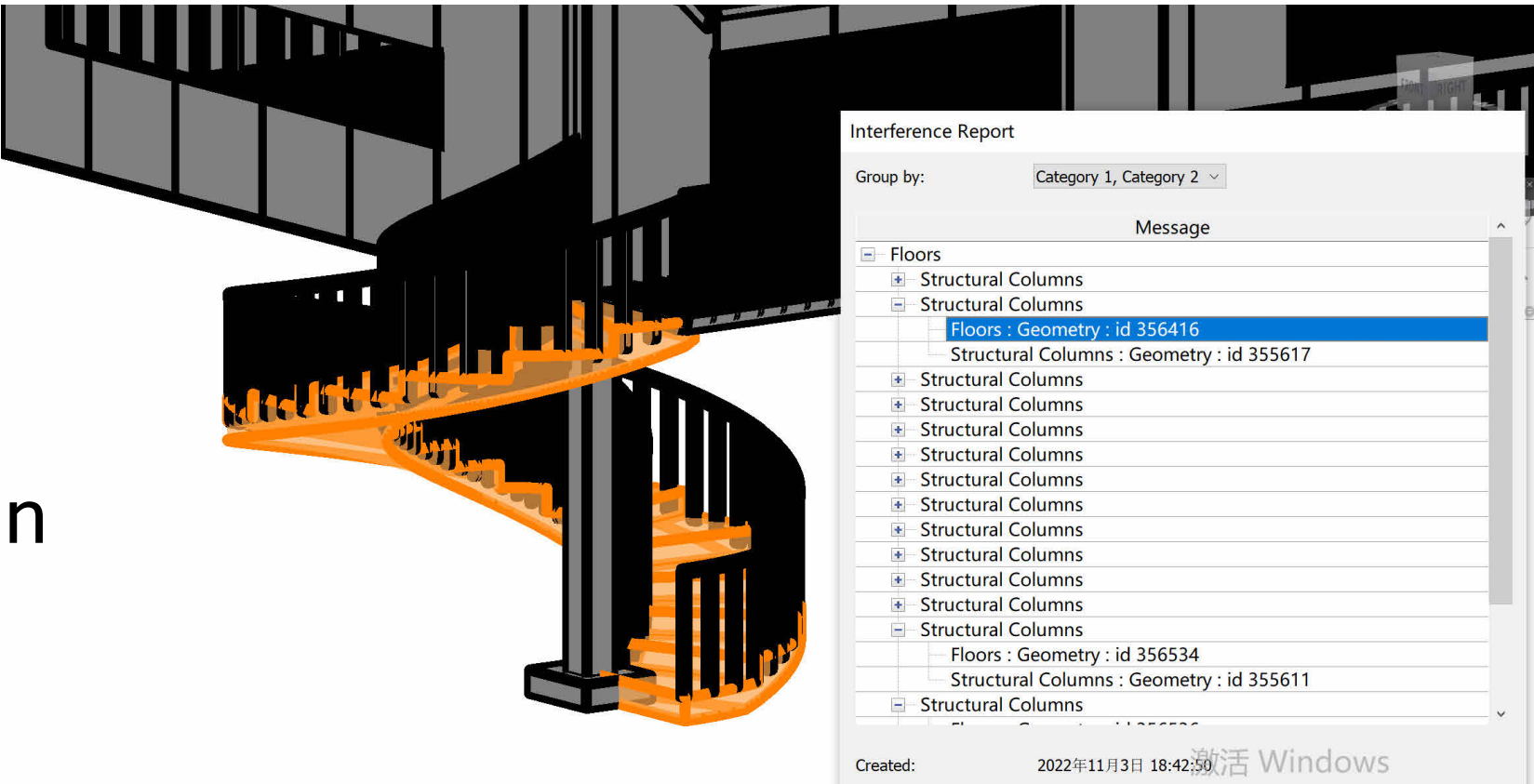


Clash - Type 1

Clash between: Railing & Structural

Clash - Type 2

Clash between: Stair & Column

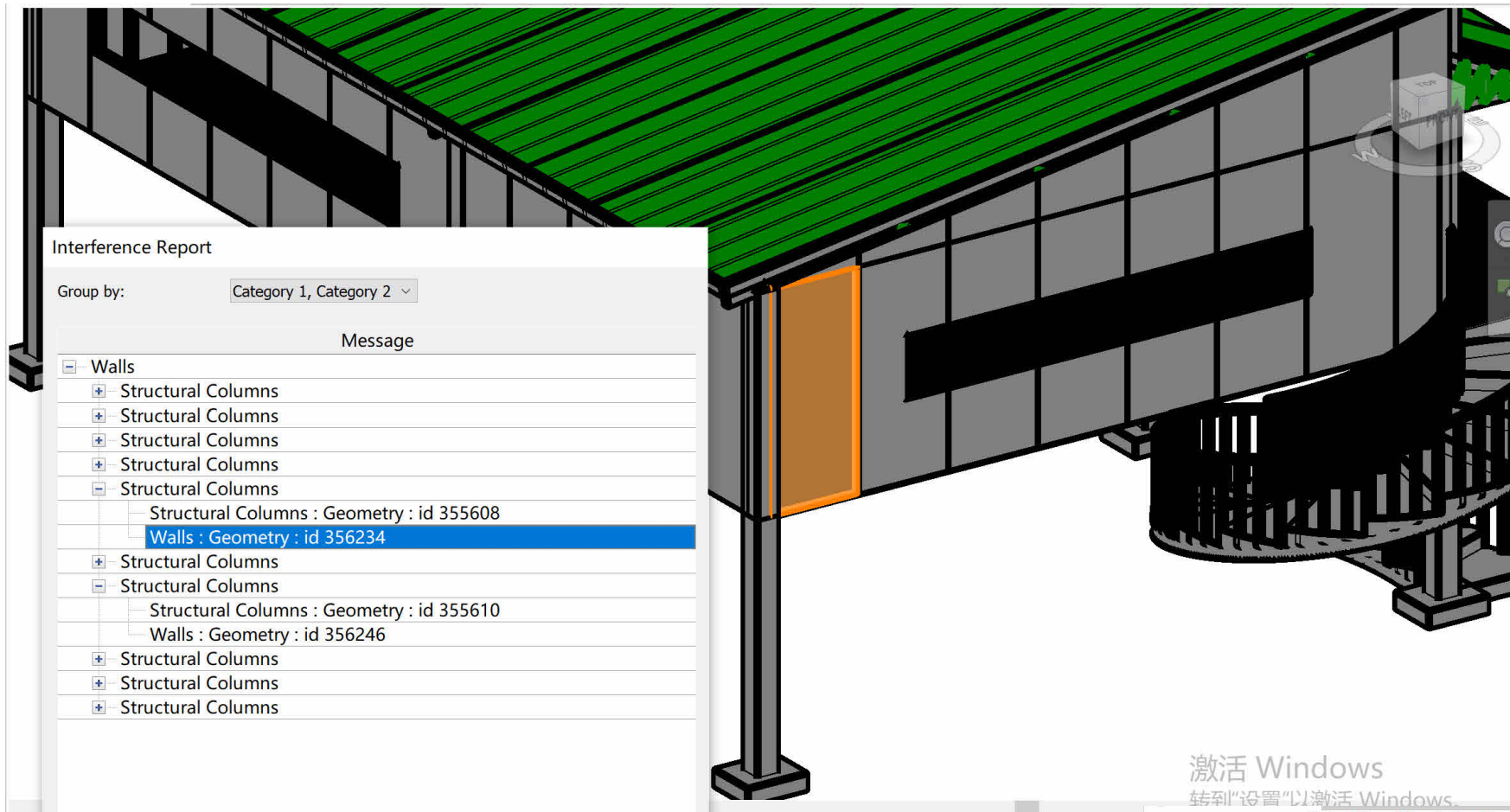


Design Information Management

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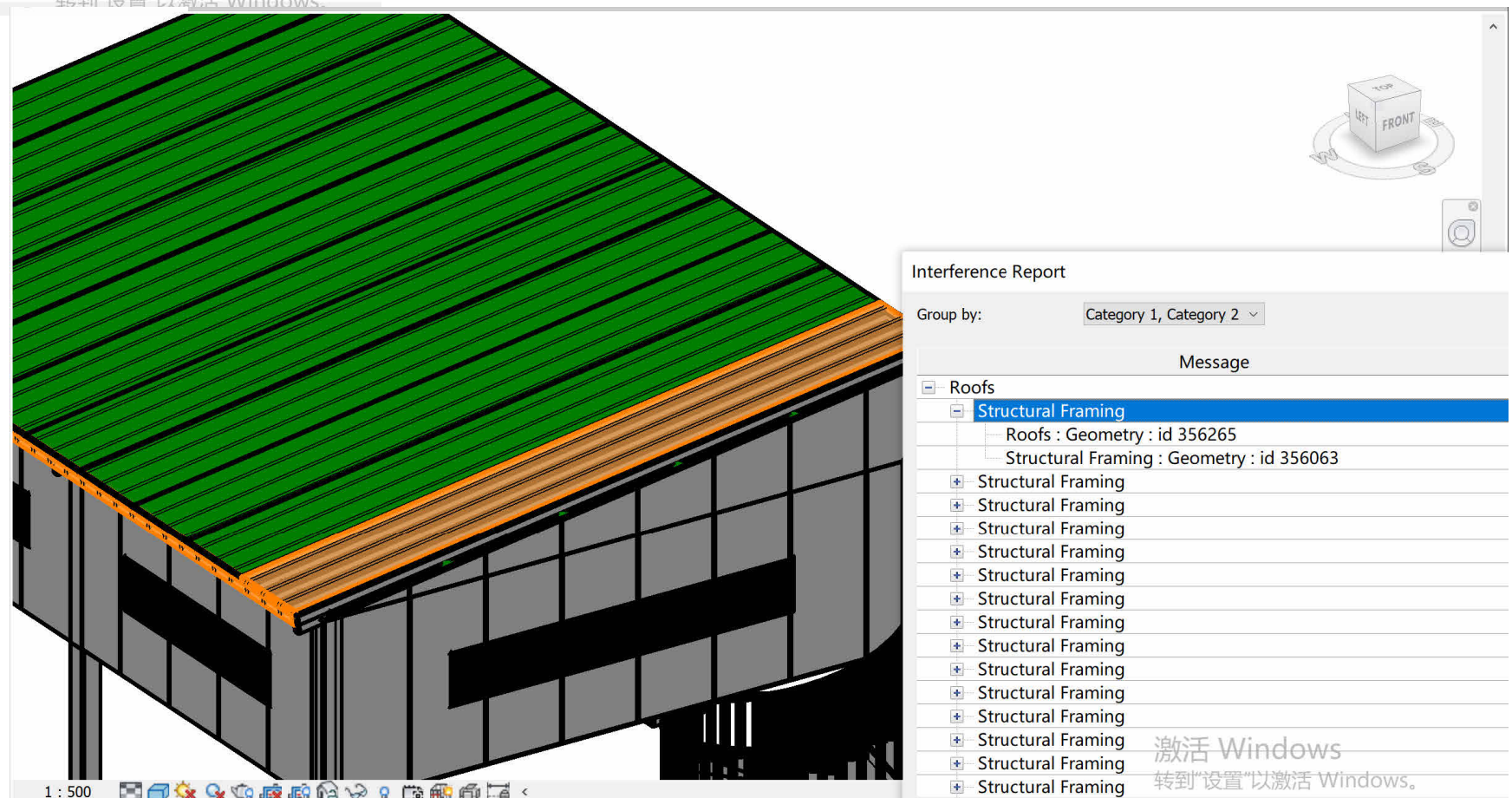
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Date	Oct / 2022
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Clash detection	
A3-10	Sheet size A3



Clash - Type 3
Clash between:
Wall & Columns

Clash - Type 4
Clash between:
Roof & Structural



Design Information Management
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Project Number	CODE2270
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Clash detection - Part 2

A3-11

Sheet size
A3

Quantity Takeoff Schedule

Category	Item Name	Material	Level	Length (mm)	Width (mm)	Hight (mm)	Volumn (m^2)	Counts	Annotate
Structural Column									
	Structural_Column_Base	Concrete	Ground	500	600	150	0.045	6	The Base of Column
	Structural_Column_A	Concrete	Ground	200	200	2400	0.096	6	in Ground
	Structural_Column_B	Concrete	Level 1	200	200	2100	0.084	6	In level 1
Structural Frame									
	Frame_Horizontal_Window_SN	Timber	Level 1	50	4300	50	0.01075	4	For window that can see in North/South viewpoint
	Frame_Horizontal_Window_WE	Timber	Level 1	50	4850	50	0.012125	4	For large window that can see in West/East viewpoint
	Frame_Horizontal_Window_WE2	Timber	Level 1	50	2850	50	0.007125	2	For smaller window that can see in West/East viewpoint
	Frame_Vertical_Window	Timber	Level 1	50	50	750	0.001875	10	For all window's vertical
	Frame_Horizontal_Door	Timber	Level 1	50	2850	50	0.007125	1	On top of the Door
	Frame_Vertical_Door	Timber	Level 1	50	50	1850	0.004625	2	Layout the Door
	Frame_Side_Long	Timber	Level 1	50	50	2100	0.00525	28	Around's
	Frame_Side_Stort_Door	Timber	Level 1	50	50	240	0.0006	5	On top of 'Frame_Horizontal_Door'
	Frame_Side_Stort_Window	Timber	Level 1	50	50	700	0.00175	82	Top/bottom of Windows's Frame
	Frame_Floor_Y	Timber	Level 1	50	8000	50	0.02	22	for Floor, X means the East to West
	Frame_Floor_X	Timber	Level 1	50	11000	50	0.0275	13	For Floor, Y means the South to North
	Frame_Roof_Secondary	Timber	Roof	50	50	1430	0.003575	36	For secondary roof, set position in 25.25 degree
	Frame_Roof_Main	Timber	Roof	50	50	7800	0.0195	36	For main roof, set position in 8.13degree
	Frame_Roof_Mid	Timber	Roof	50	50	1000	0.0025	36	Between Main and Secondary Roof
							0		



Design Information Management

BIM Documents

Project Number	CODE2270
Date	Oct / 2022
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Quantity takeoff

A3-13

Sheet size
A3

Quantity Takeoff - Part 2

							0		
Floor									
	Tile	Ceramic	Level1	555	725	10	0.00402375	220	Tiles
Wall									
	Wood_Panel_Level_1	Wood	Level1	900	25	2100	0.04725	40	Cutting to achieved Windows and Door
	Wood_Panel_RoofSide	Wood	Roof						Using the cutting off part in 'Wood_Panel_level_1'
Roof									
	Roof_Main	Metal	Roof	985	20	7713	0.1519461	11	Main Roof
	Roof_Secondary	Metal	Roof	985	20	1288	0.0253736	11	Secondary Roof
	Roof_Mid	Metal	Roof	985	20	1000	0.0197	11	Between Main and Secondary Roofs
Stair & Railing									
	Stair_Steps	Concrete	Ground	1000	492.5	150	0.073875	16	The Steps of the Stair, Shape like a Sector
	Railing_In	Concrete	Ground	15	35	1100	0.0005775	14	The Railing which in inboard side of the Stair
	Railing_Out	Concrete	Ground	15	35	1100	0.0005775	16	The Railing which in outboard side of the Stair
	Handrail_In	Concrete	Ground	40	4800	40	0.00768	1	The Handrail for 'Railing_In'
	Handrail_Out	Concrete	Ground	40	10960	40	0.017536	1	The Handrail for 'Railing_Out'
	Railing_Corridor	Concrete	Level 1	15	35	1100	0.0005775	38	Corridor's Railing
	Handrail_Corridor	Concrete	Level 1	40	12000	40	0.0192	1	The Handrail for 'Railing_Corridor'
Furniture									
	Horizontal_Window_SN	Glass	Level 1	20	4200	650	0.0546	2	window that can see in North/South viewpoint
	Horizontal_Window_WE	Glass	Level 1	20	4750	650	0.06175	2	For large window that can see in West/East viewpoint
	Horizontal_Window_WE2	Glass	Level 1	20	2750	650	0.03575	1	For smaller window that can see in West/East viewpoint
	Door	Wooden	Level 1	50	2750	1800	0.2475	1	Door



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Project Number	CODE2270
Date	Oct / 2022
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Quantity takeoff Part2

A3-14

Sheet size
A3

Costs schedule

Some prices refer to Hipages article

[illegible]

Design Information Management

BIM Documents

Design Information Management

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Project Number	CODE2270
Date	Oct / 2022
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Costs schedule	
A3-15	Sheet size A3

Costs schedule	
A3-15	Sheet size A3

Costs schedule	
A3-15	Sheet size A3