

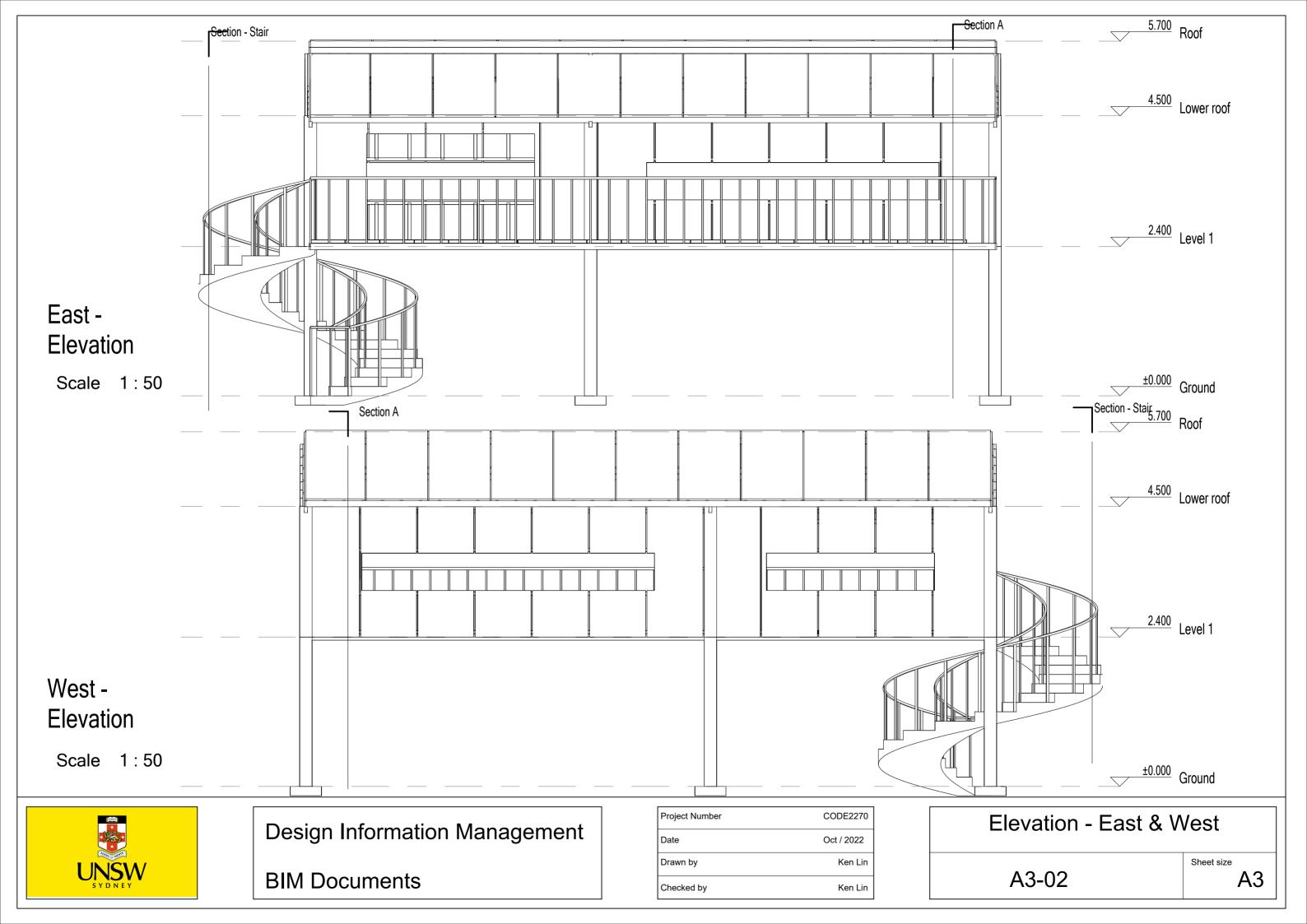
Sheet Schedule		
Sheet Number	Sheet Name	
A3-01	Cover	
A3-02	Elevation - East & West	
A3-03	Elevation - North & South	
A3-04	Site Plans	
A3-05	Sections A & B	
A3-06	Section - Stair	
A3-07	Analysis - Location	
A3-08	Analysis - Sunlight	
A3-09	Analysis - Radiation	
A3-10	Clash detection	
A3-11	Clash detection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

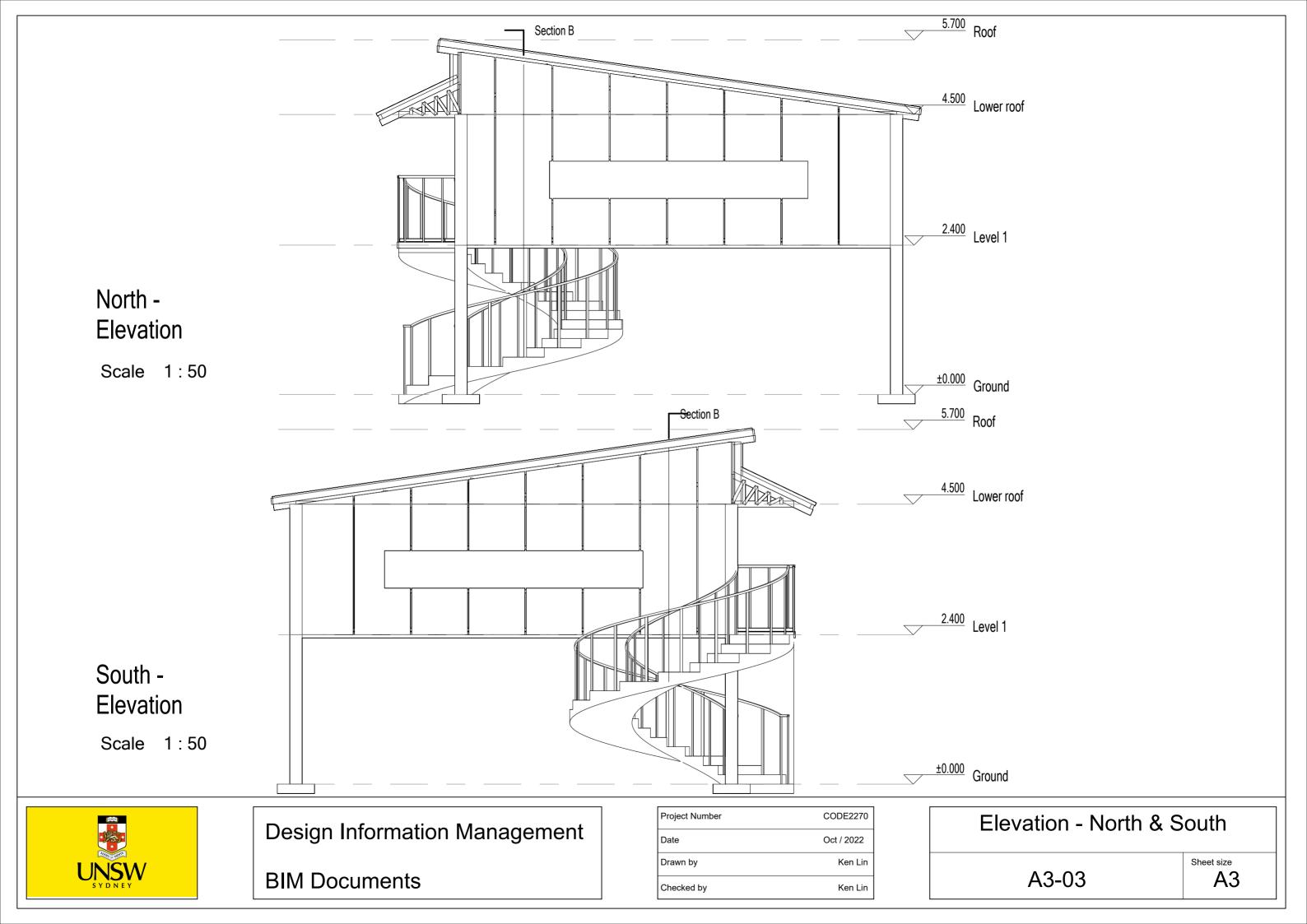


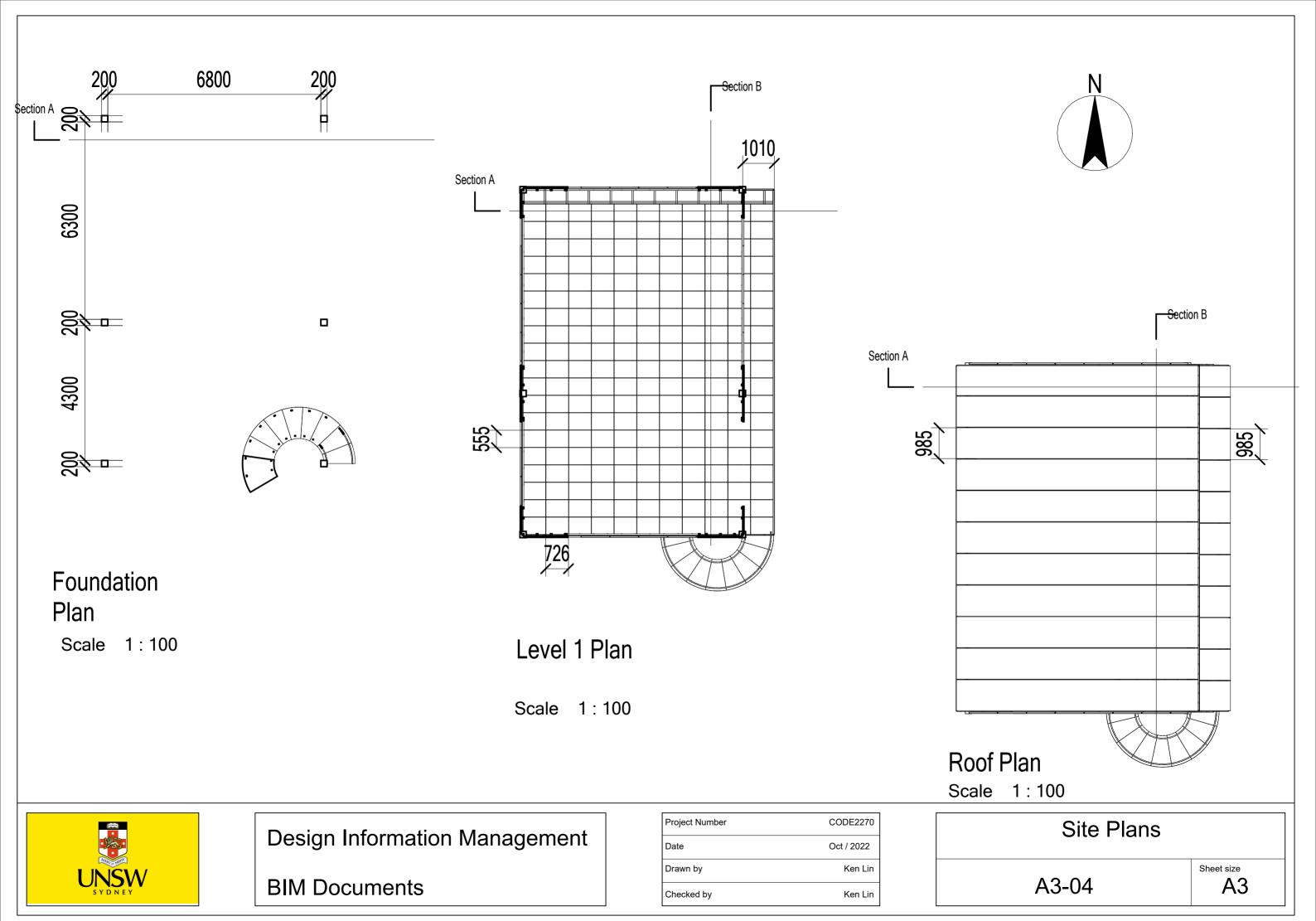
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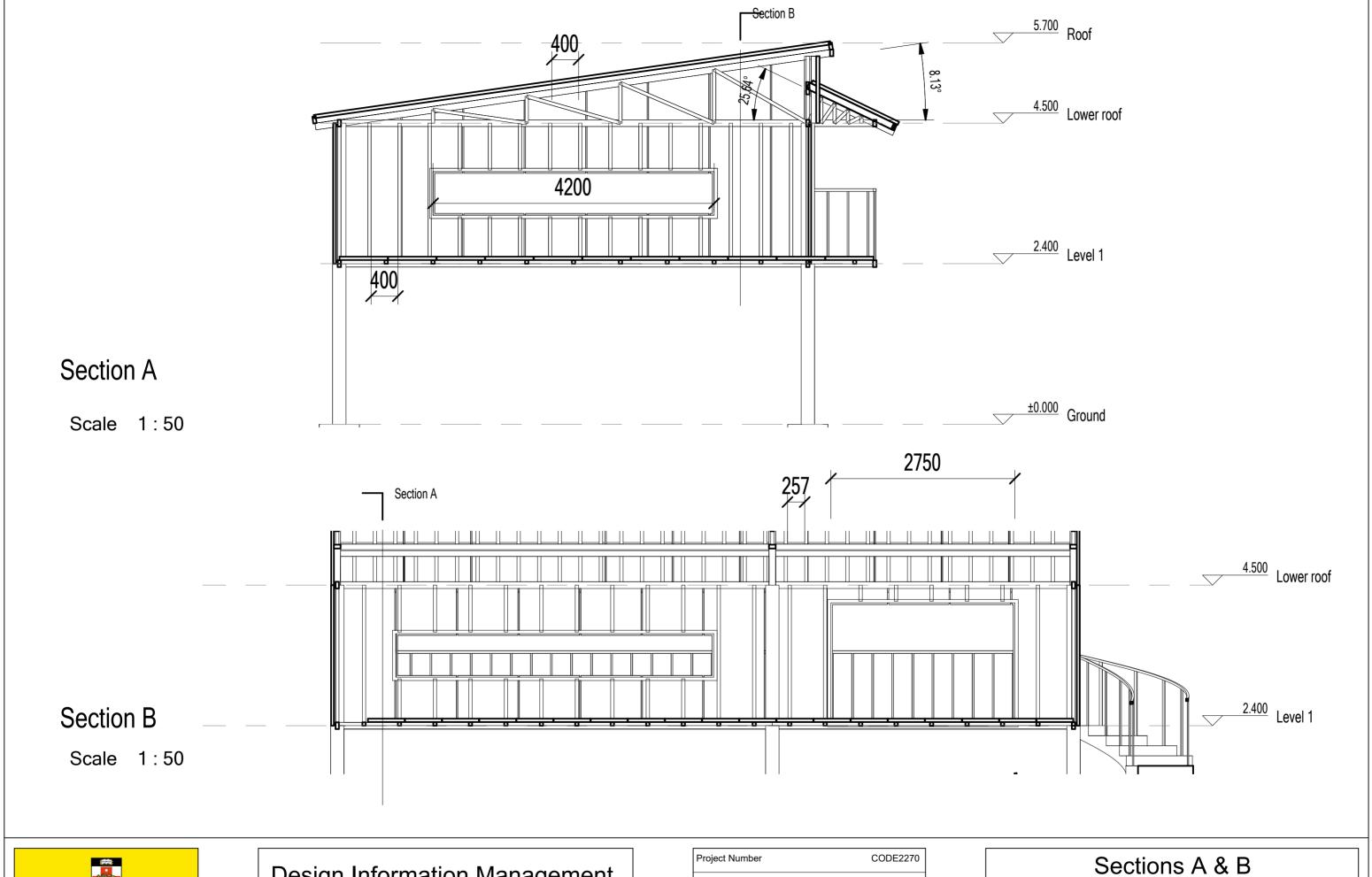
Project Number	CODE2270
Date	Oct / 2022
Drawn by	Ken Lin
Checked by	Ken Lin

Cover	
A3-01	Sheet size A3







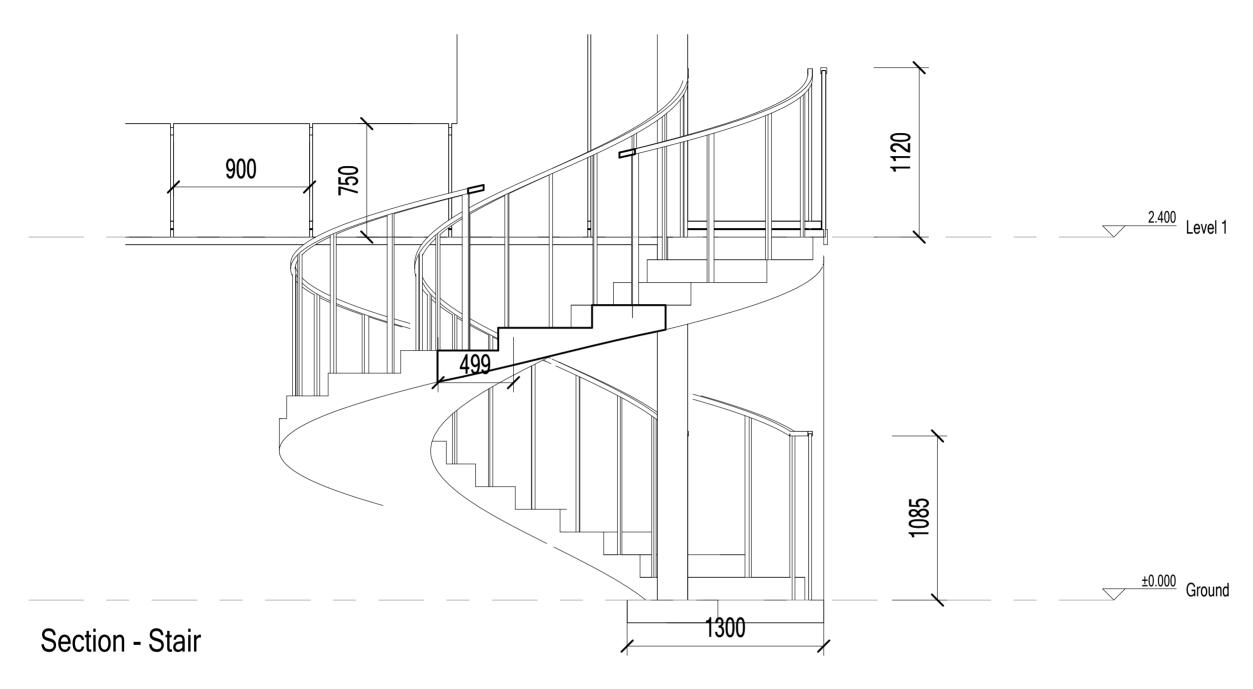




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Project Number	CODE2270
Date	Oct / 2022
Drawn by	Ken Lin
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Sections A & B	
A3-05	Sheet size A3



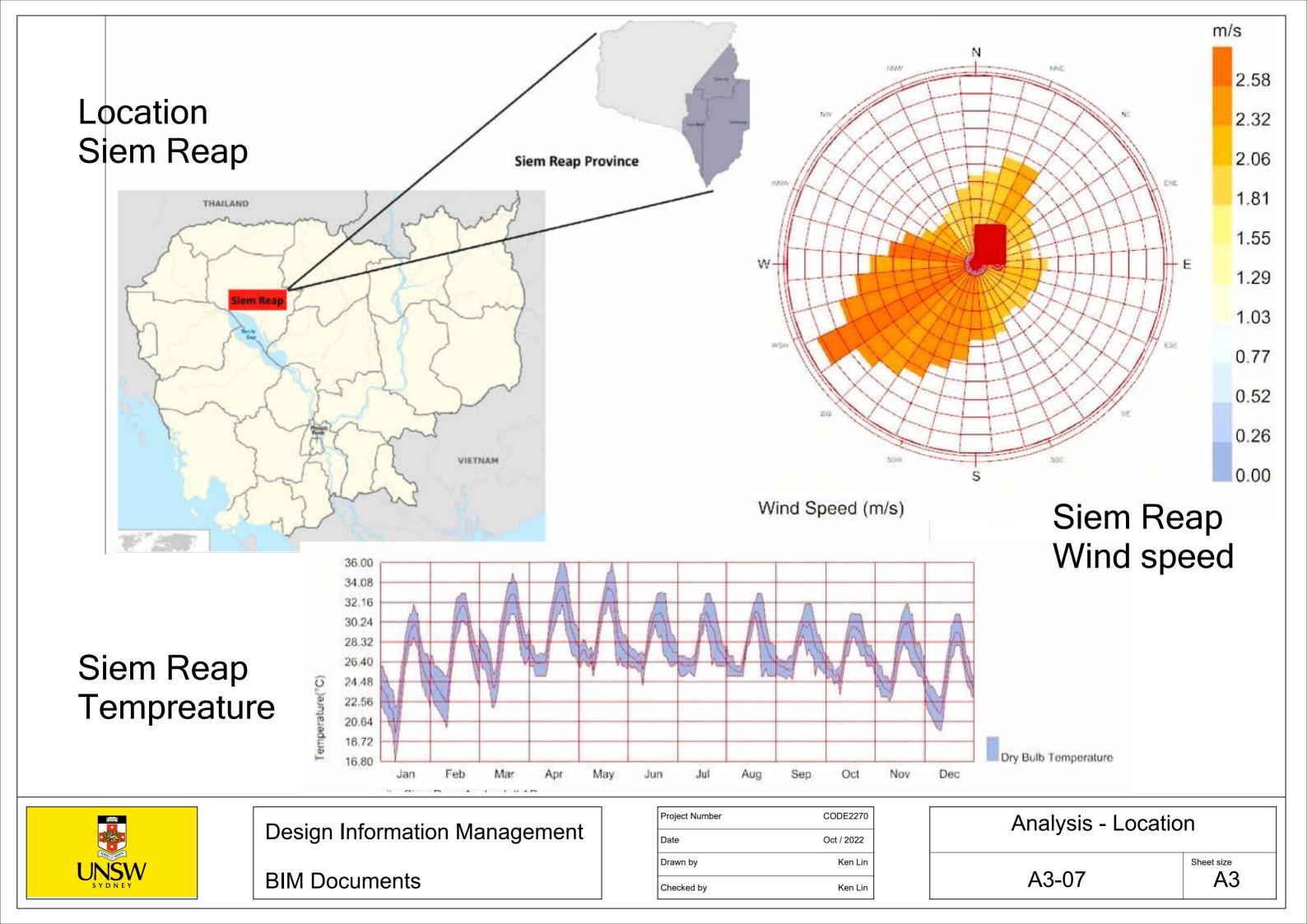
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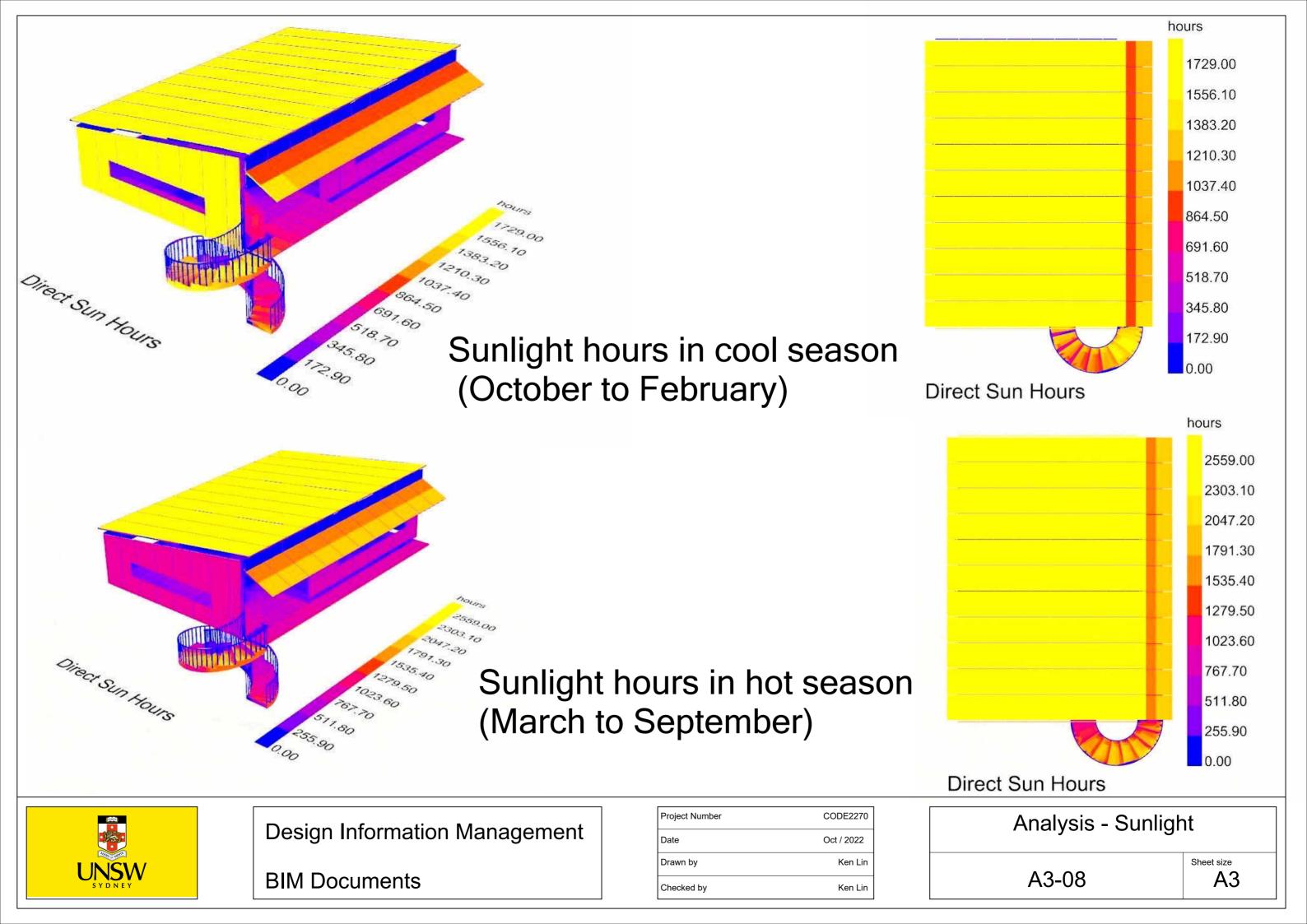


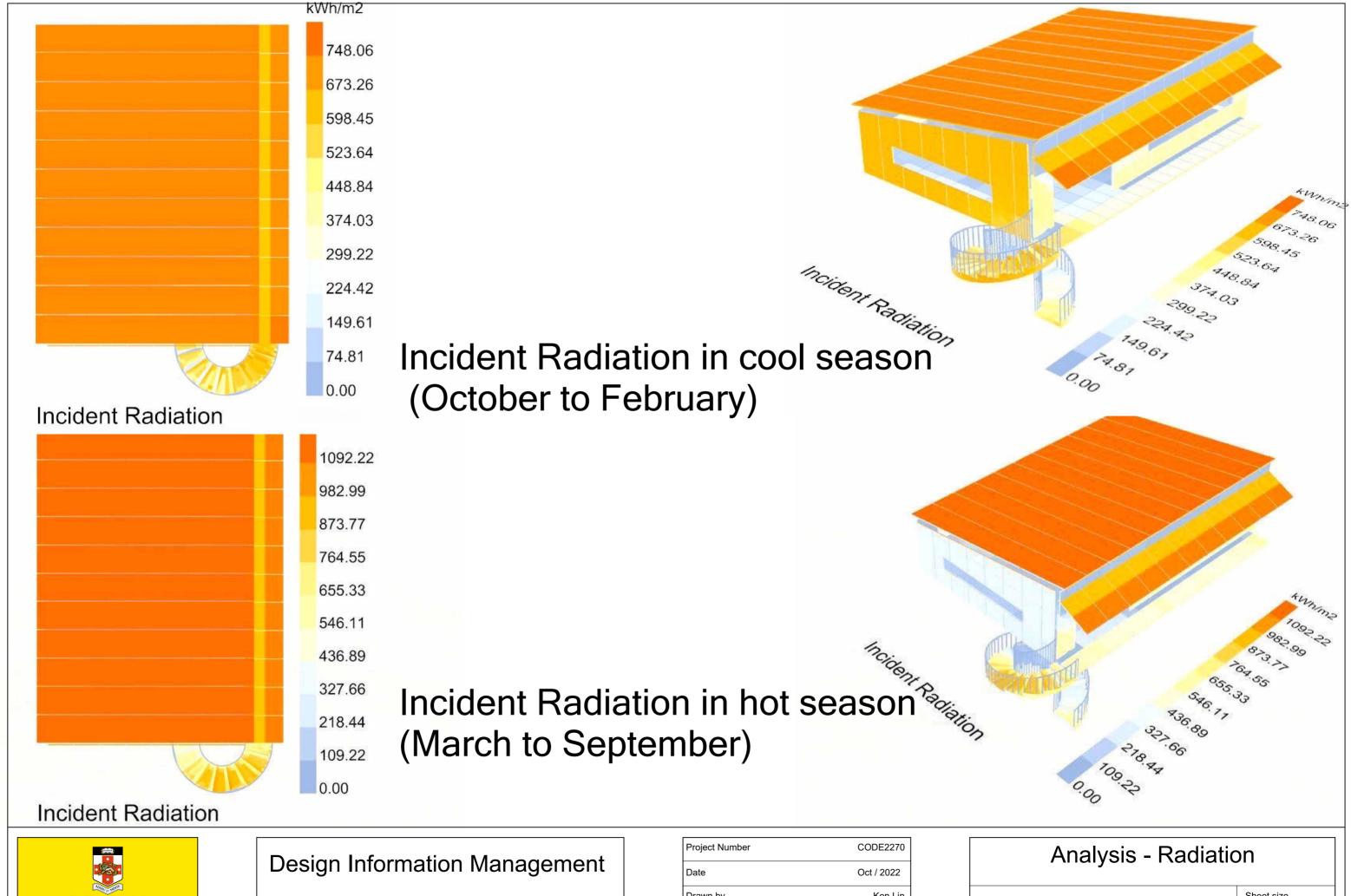
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Project Number	CODE2270
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Section - Stair		
A3-06	Sheet size A3	

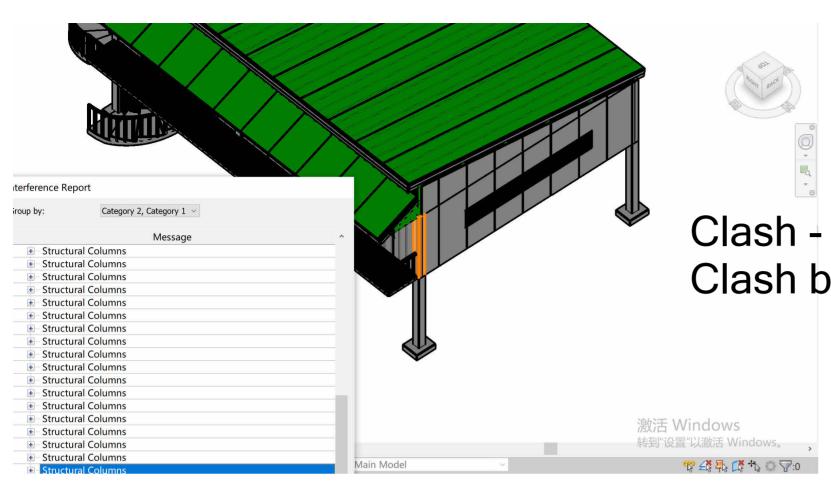






Project Number	CODE2270
Date	Oct / 2022
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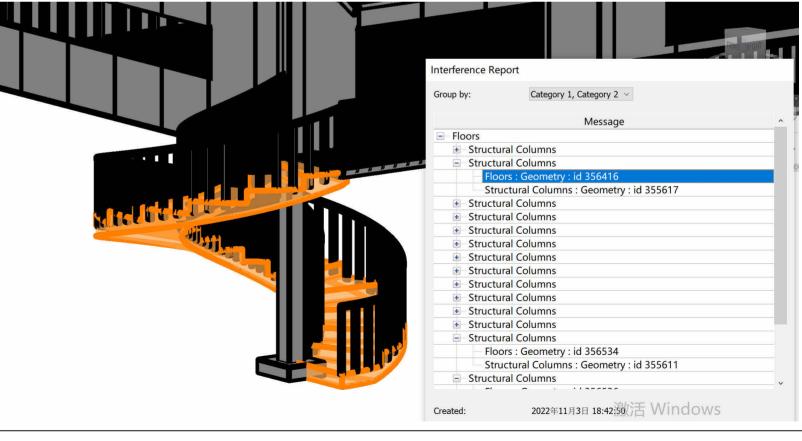
Analysis - Radiation	
A3-09	Sheet size A3



Clash - Type 1
Clash between:

Ralling & Structural

Clash - Type 2
Clash between:
Stair & Column

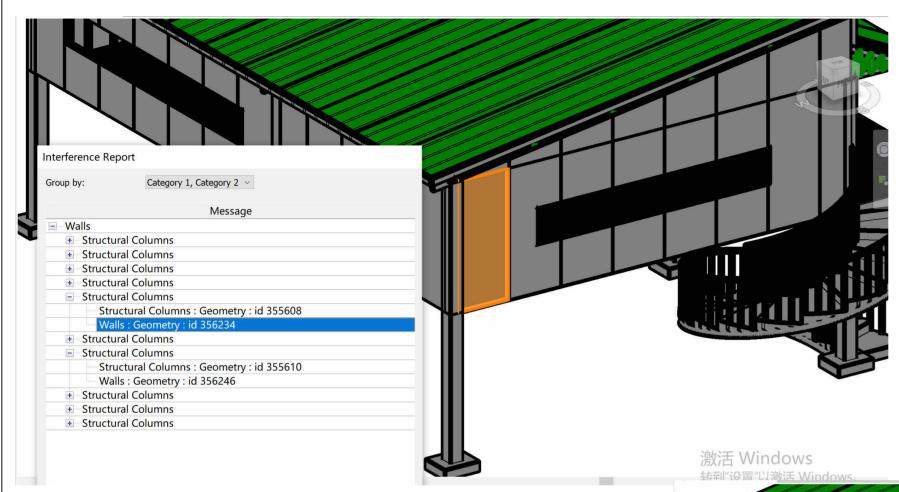




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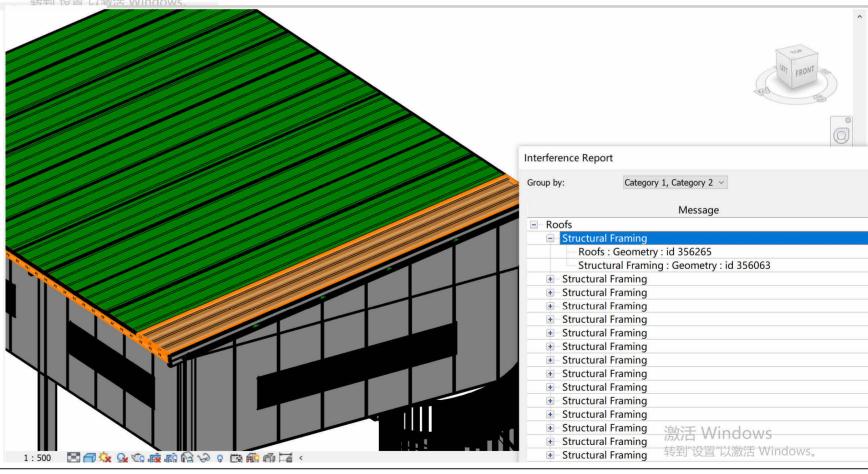
Project Number	CODE2270
Date	Oct / 2022
Drawn by	Ken Lin
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Clash detection	
A3-10	Sheet size A3



Clash - Type 3
Clash between:
Wall & Columns

Clash - Type 4
Clash between:
Roof & Structural





**Design Information Management** 

Project Number	CODE2270
Date	Oct / 2022
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Clash detection - Pa	rt 2
A3-11	Sheet size  A3

Action	Description	- 3
		3
Paper Work	preparation of drawings, estimation of material cost, labor cost & contingencies	- 53
Marking of Layout	marked plan boundaries in the ground and clean the ground inside and outside the layout	
Excavation	for the construction of wall foundations	- 3
Foundation Work		
Compacting the groun	the bottom is compacted using hand compactors	
PCC	cement concrete is laid on the compacted soil in varying depth as required	
Footing Reinforcement	form a skeleton in which the concrete is poured and the column rods are taken from them	
Shuttering	To achieve proper shaped concrete, so that the concrete doesn't come in contact with the soil.	
Footing Concrete	check the levels of foundation before concrete work	
Column Casting	Casting of columns is made by fixing the shuttering framework and concrete is poured in the formwork	
Construction of Walls	Before starting the wall construction the base of wall is constructed first using concrete or size stone masonry	>
Lintel	Masonry work of buildings is carried out in one go till roof. Openings for windows & doors are left during masonry wo	orks
Roofing	Roof slab of building is poured after completion of masonry works	-23
Plastering Work	Form work is removed after 14 days of slab pouring, plaster work begins. Cure the surface about 7 days.	
Fixing of Doors and Windows	Fixing of Doors and Windows	
Fixing of Electrical and Plumbing Works	Fixing of Electrical and Plumbing Works	
Tiles Laying	First the wall tiles are fixed after which the floor tiles are fixed.	
Painting	Painting	
Miscellaneous Works	other works that are carried as per the requirement, for example: Installation of Furniture	

## Sequencing

W1	W2	W3	W4	W5	W6	W7	W8	W9	W10	W11	W12	W13	W14	W15	W16	W17	W18	W19	W20	W21	W22	W23	W24	W25	W26	W27	W28	W29	W30	W31	W32	W33
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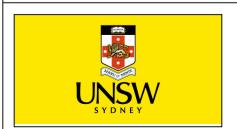


Design Information Management

Project Number	CODE2270
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Sequencing	
A3-12	Sheet size A3

		Ī	Quan	tity Take	eoff Sch	nedule			
Category	Item Name	Material	Level	Length (mm)	Widith (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



Design Information Management
BIM Documents

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Date	Oct / 2022
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Quantity takeoff	
A3-13	Sheet size A3

## Quantity Takeoff - Part 2

	1-16500005-01-52-5-0-000000	10000000	0.000	7.7					
							0		
loor									
	Tile	Ceramic	Level1	555	725	10	0.00402375	220	Tiles
Wall							<u>.</u>		
	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					3		à		
***	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



Design Information Management
BIM Documents

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Quantity takeoff Pa	rt2
A3-14	Sheet size A3

## Costs schedule

Some prices refer to Hipages article

		T E	Some prices refer to	i lipages ai ticle	
Work content	Labor cost	Material Cost	Equipment	Total	
		2.10			
Clearing the Site	84		480	564	
Soil Excavation for Foundation Trenches	720		760	1480	
Earthwork in Filling	540		570	1110	
Damp-Proof Course		19353.6		19353.6	
Plain Cement Concrete Works	840	6451.2	640	7931.2	
Reinforced Cement Concrete Works	840	6854.4	640	8334.4	
Steel Work	2800	3800	1400	8000	
Shuttering	400	200		600	
Masonry work	2166	3532.5		5698.5	
Plastering Work	2400	781.2		3181.2	
Painting	10190			10190	
Flooring and Tiling	4435.2	5644.8		10080	
Woodwork for Doors and Windows	960	2313.375		3273.375	
				79796.275	AUD



**Design Information Management** 

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Costs schedule	
A3-15	Sheet size A3