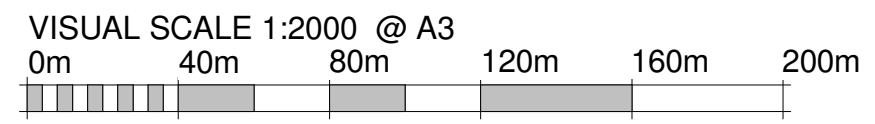
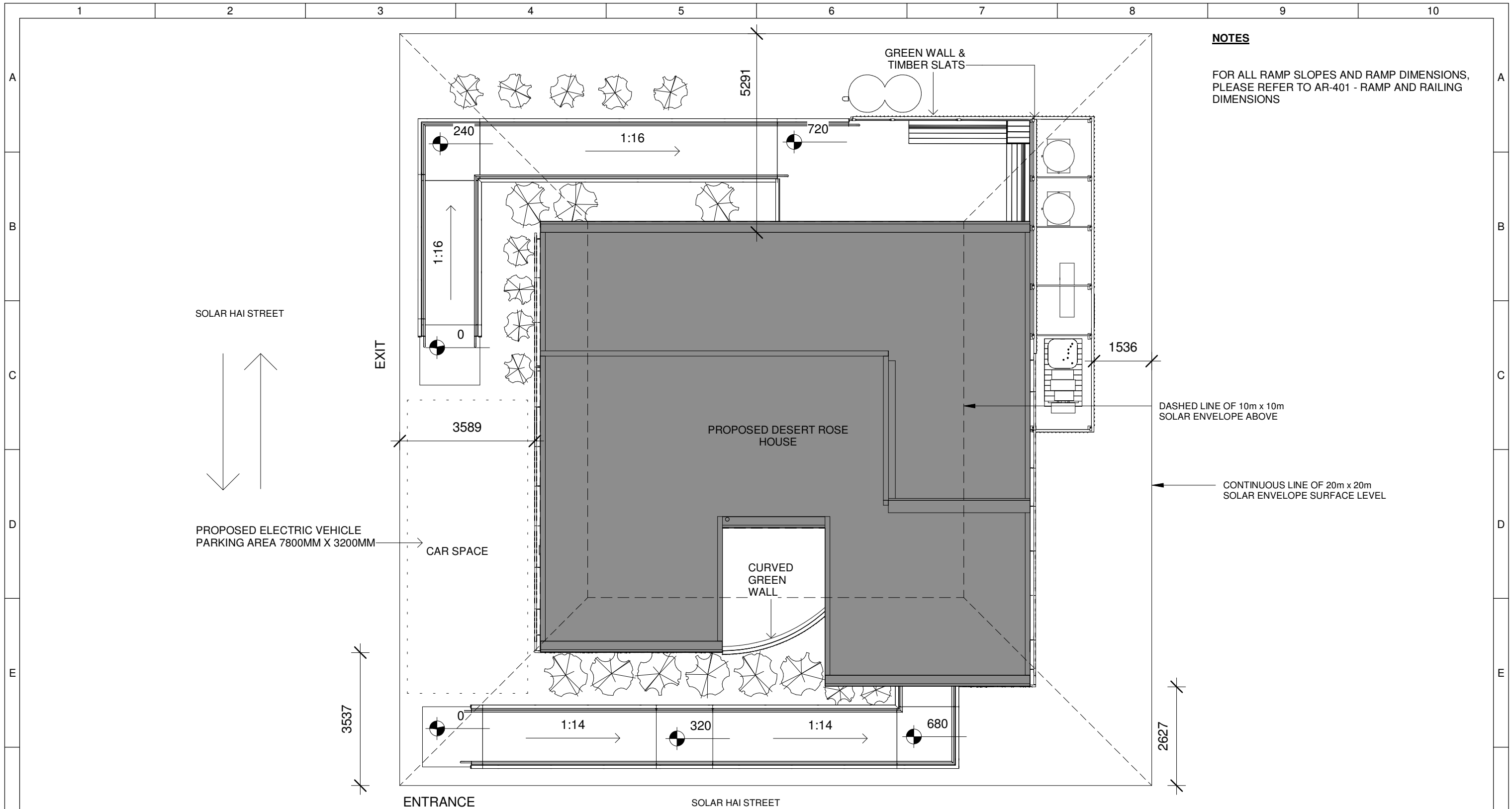


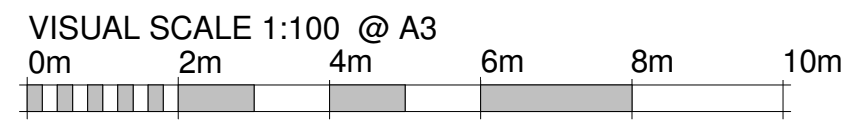
**1** Solar Hai  
1 : 2000



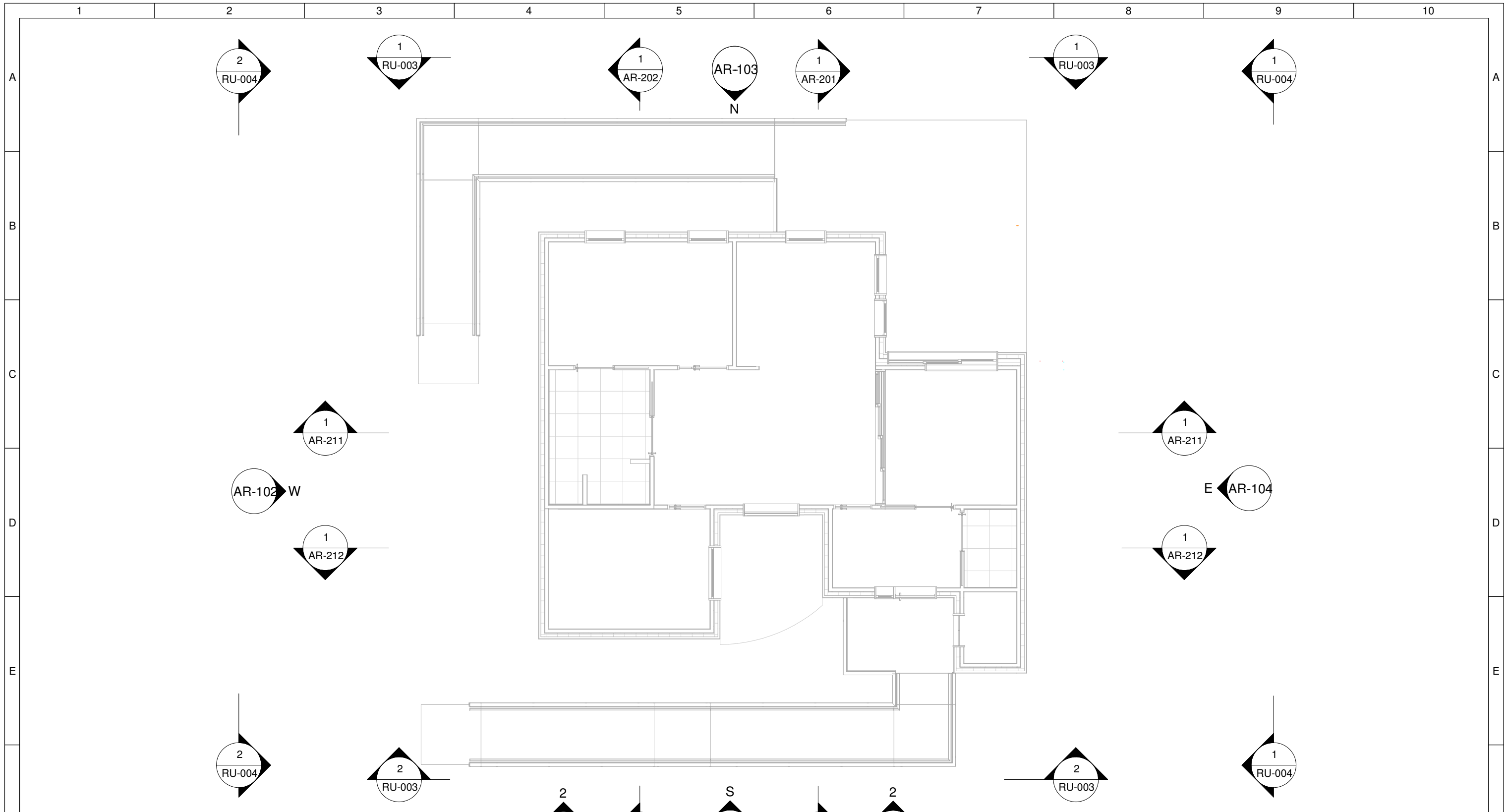
	<b>Team:</b> TEAM UOW <b>Address:</b> UNIVERSITY OF WOLLONGONG WOLLONGONG NSW, AUSTRALIA 2522	<b>Client:</b> Dubai Electricity and Water Authority 	<b>AMENDMENTS</b>				<b>COPYRIGHT</b> None; Project is Public		 <b>NORTH</b>	<b>SOLAR HAI PLAN</b>																												
	<b>Contact:</b> sd-2018@uow.edu.au www.desertrosehouse.com.au		<table border="1"> <thead> <tr> <th>REV.</th> <th>DESCRIPTION</th> <th>DATE</th> <th>DRAWN</th> <th>CHECK</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Updated Plans and Detailing</td> <td>19/01/18</td> <td>VP</td> <td>JR</td> </tr> <tr> <td>2</td> <td>Updated Plans and Detailing</td> <td>30/01/18</td> <td>VP</td> <td>JR</td> </tr> <tr> <td>3</td> <td>Updated Annotations and Template Title</td> <td>01/02/18</td> <td>VP</td> <td>JR</td> </tr> <tr> <td>4</td> <td>Updated to As-Built</td> <td>14/09/18</td> <td>VP</td> <td>JR</td> </tr> </tbody> </table>	REV.	DESCRIPTION	DATE	DRAWN	CHECK			1	Updated Plans and Detailing	19/01/18	VP	JR	2	Updated Plans and Detailing	30/01/18	VP	JR	3	Updated Annotations and Template Title	01/02/18	VP	JR	4	Updated to As-Built	14/09/18	VP	JR	<table border="1"> <thead> <tr> <th>LOT</th> <th># M</th> </tr> </thead> <tbody> <tr> <td>DRAWER</td> <td>V.PHAM</td> </tr> <tr> <td>CHECKED</td> <td>J.ROTH</td> </tr> <tr> <td>DATE</td> <td>20 February, 2018</td> </tr> <tr> <td>SCALE</td> <td>1 : 2000 @ A3</td> </tr> </tbody> </table>	LOT	# M	DRAWER	V.PHAM	CHECKED	J.ROTH	DATE
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SCALE	1 : 2000 @ A3																																					



**1** Site Plan  
1 : 100



	<b>Team:</b> TEAM UOW <b>Address:</b> UNIVERSITY OF WOLLONGONG WOLLONGONG NSW, AUSTRALIA 2522 <b>Contact:</b> sd-2018@uow.edu.au www.desertrosehouse.com.au	<b>Client:</b> Dubai Electricity and Water Authority 	<b>AMENDMENTS</b> <table border="1"> <thead> <tr> <th>REV.</th> <th>DESCRIPTION</th> <th>DATE</th> <th>DRAWN</th> <th>CHECK</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Updated Plans and Detailing</td> <td>30/01/18</td> <td>VP</td> <td>JR</td> </tr> <tr> <td>2</td> <td>Updated annotations and Template Title</td> <td>01/02/18</td> <td>VP</td> <td>JT</td> </tr> <tr> <td>3</td> <td>Centered Model, hid elements, created regions</td> <td>03/02/18</td> <td>VP</td> <td>JR</td> </tr> <tr> <td>4</td> <td>Added spot elevation at the exit/ entrance</td> <td>14/02/18</td> <td>JR</td> <td>JT</td> </tr> <tr> <td>5</td> <td>Updated to As-Built</td> <td>14/09/18</td> <td>JR</td> <td>VP</td> </tr> </tbody> </table>	REV.	DESCRIPTION	DATE	DRAWN	CHECK	1	Updated Plans and Detailing	30/01/18	VP	JR	2	Updated annotations and Template Title	01/02/18	VP	JT	3	Centered Model, hid elements, created regions	03/02/18	VP	JR	4	Added spot elevation at the exit/ entrance	14/02/18	JR	JT	5	Updated to As-Built	14/09/18	JR	VP	<b>COPYRIGHT</b> None; Project is Public LOT # M DRAWER C.EIO CHECKED L. FAIDUTTI DATE 20 February, 2018 SCALE 1 : 100 @ A3	 <b>NORTH</b> <b>SITE PLAN</b> SHEET: 01 OF 01 <b>AR-002</b>
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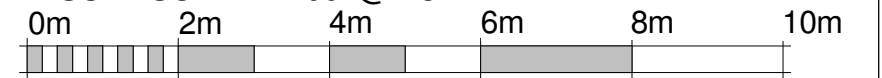


# Section and Elevation Views

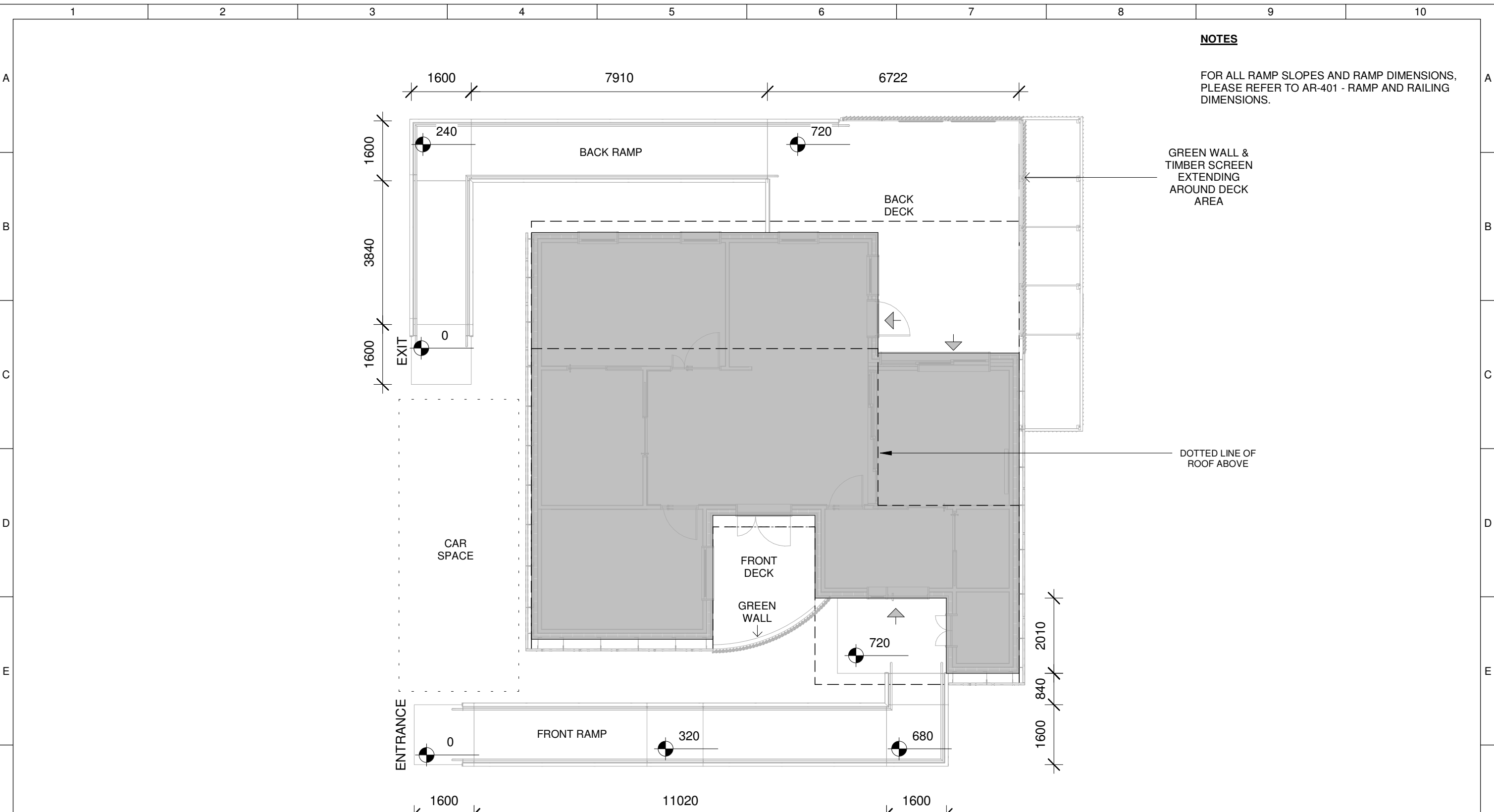
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1 : 100

VISUAL SCALE 1:100 @ A3



	<b>Team:</b> TEAM UOW <b>Address:</b> UNIVERSITY OF WOLLONGONG WOLLONGONG NSW, AUSTRALIA 2522	<b>Client:</b> Dubai Electricity and Water Authority 	<b>AMENDMENTS</b> <table border="1"> <thead> <tr> <th>REV.</th> <th>DESCRIPTION</th> <th>DATE</th> <th>DRAWN</th> <th>CHECK</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Updated annotations and template title</td> <td>01/02/18</td> <td>VP</td> <td>JR</td> </tr> <tr> <td>2</td> <td>Updated Plans and Detailing</td> <td>03/02/18</td> <td>VP</td> <td>JR</td> </tr> <tr> <td>3</td> <td>Updated Layout</td> <td>09/09/18</td> <td>VP</td> <td>JR</td> </tr> <tr> <td>4</td> <td>Updated to As-Built</td> <td>14/09/18</td> <td>VP</td> <td>JR</td> </tr> </tbody> </table>	REV.	DESCRIPTION	DATE	DRAWN	CHECK	1	Updated annotations and template title	01/02/18	VP	JR	2	Updated Plans and Detailing	03/02/18	VP	JR	3	Updated Layout	09/09/18	VP	JR	4	Updated to As-Built	14/09/18	VP	JR	<b>COPYRIGHT</b> None; Project is Public LOT # M DRAWER V.PHAM CHECKED J.ROTH DATE 20 February, 2018 SCALE 1 : 100 @ A3	 <b>NORTH</b> <b>GROUND FLOOR VIEWS</b> SHEET: 01 OF 01 <h1>AR-003</h1>
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<b>Desert Rose</b> <b>Team UOW</b> Australia - Dubai <b>Contact:</b> sd-2018@uow.edu.au www.desertrosehouse.com.au																														

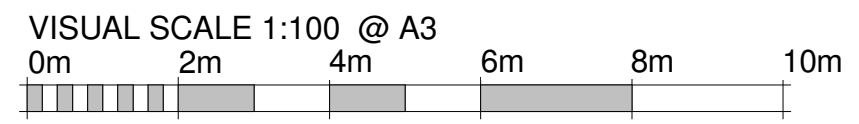


**NOTES**  
 FOR ALL RAMP SLOPES AND RAMP DIMENSIONS,  
 PLEASE REFER TO AR-401 - RAMP AND RAILING  
 DIMENSIONS.

GREEN WALL &  
 TIMBER SCREEN  
 EXTENDING  
 AROUND DECK  
 AREA

DOTTED LINE OF  
 ROOF ABOVE

**1 AR - Exterior Features**  
 1 : 100

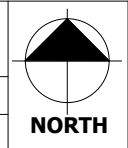


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**Contact:** sd-2018@uow.edu.au  
 www.desertrosehouse.com.au

**Client:** Dubai Electricity and Water Authority  
**SOLAR DECATHLON** MIDDLE EAST  
 DUBAI, UAE - 2018

AMENDMENTS						
REV.	DESCRIPTION	DATE	DRAWN	CHECK	COPYRIGHT	
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2	Updated Plans, Detailing and Template Adjustments	01/02/18	VP	JT	LOT # M	
3	Centered Model, hid elements, created regions	03/02/18	VP	JR	DRAWER C.EIO	
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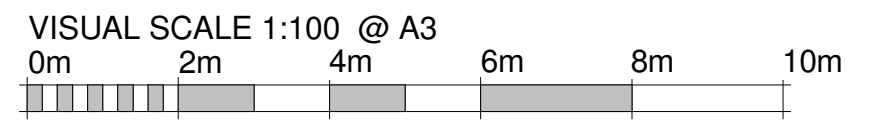
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 CHECKED J.ROTH  
 DATE 20 February, 2018  
 SCALE 1 : 100 @ A3



**GROUND FLOOR PLAN**  
**AR-011**  
 SHEET: 01 OF 01



**1** AR - Walls and Openings  
1 : 100



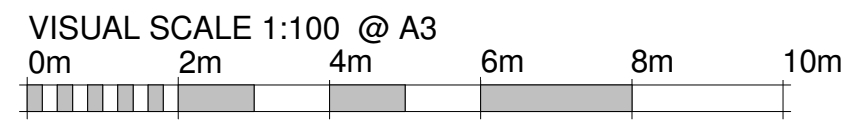
	<b>Team:</b> TEAM UOW <b>Address:</b> UNIVERSITY OF WOLLONGONG WOLLONGONG NSW, AUSTRALIA 2522	<b>Client:</b> Dubai Electricity and Water Authority 	<b>AMENDMENTS</b>				<b>COPYRIGHT</b> None; Project is Public			<b>GROUND FLOOR PLAN</b>																							
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**NOTES**

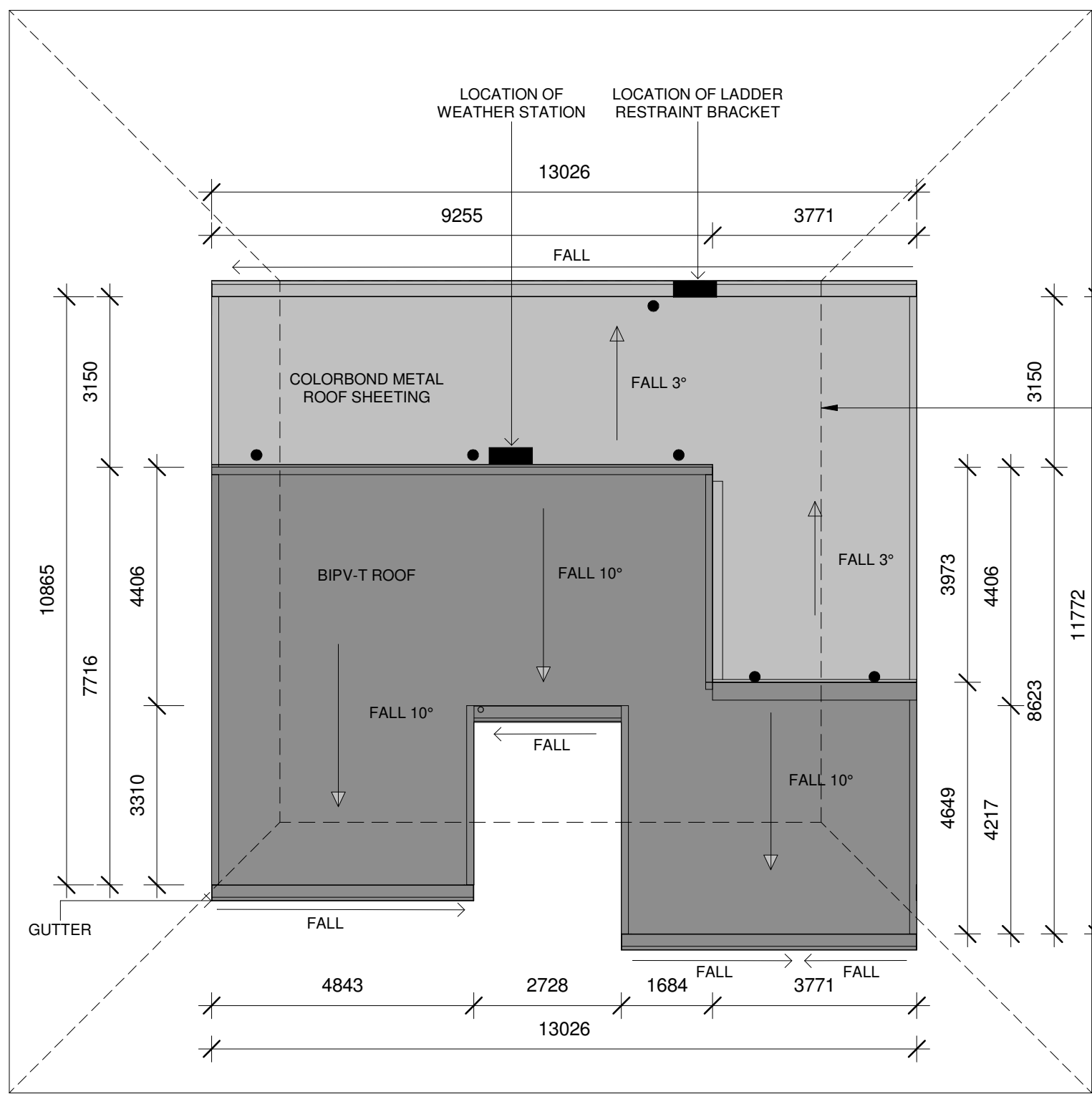
FOR RULES COMPLIANCE INFORMATION REGARDING THE FLOOR PLAN, PLEASE SEE RU-301 - RULES COMPLIANCE FLOOR PLAN.



**1 AR - Interior Openings**  
1 : 100



	<b>Team:</b> TEAM UOW <b>Address:</b> UNIVERSITY OF WOLLONGONG WOLLONGONG NSW, AUSTRALIA 2522	<b>Client:</b> Dubai Electricity and Water Authority 	<b>AMENDMENTS</b>				<b>COPYRIGHT</b> None; Project is Public			<b>GROUND FLOOR PLAN</b>																																		
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CHECKED	J.ROTH																																											
DATE	20 February, 2018																																											
SCALE	1 : 100 @ A3																																											



**NOTES**

ROOF CONSISTING OF 10° PITCH IS A SINGLE BIPV-T SYSTEM. NO INDIVIDUAL PV PANELS DEPECTED AS WHOLE 10° PITCHED ROOF IS ONE LARGE PV SYSTEM.

LADDER RESTRAINT BRACKET IS FOR ATTACHING LADDER TO ALLOW FOR ACCESS TO ROOF.

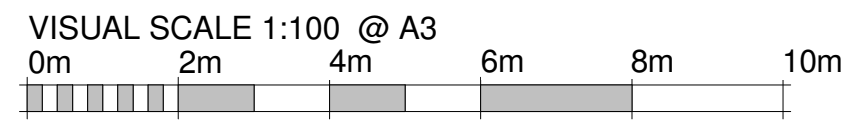
● = HARNESS ANCHOR POINT

BIPV-T = BUILDING INTEGRATED PHOTOVOLTAIC - THERMAL

DASHED LINE OF 10m x 10m SOLAR ENVELOPE ABOVE

CONTINUOUS LINE OF 20m x 20m SOLAR ENVELOPE SURFACE LEVEL

**1** Roof Plan  
1 : 100

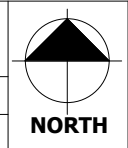


**Team:** TEAM UOW  
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 WOLLONGONG  
 NSW, AUSTRALIA 2522  
**Contact:** sd-2018@uow.edu.au  
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**Client:** Dubai Electricity and Water Authority

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3	Centered model, added dimensions, hid elements	03/02/18	VP	JR		
4	Edited dimensions	06/09/18	VP	JR		
5	Updated to As-Built	14/09/18	JR	JT		

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 # M  
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 CHECKED L.FAIDUTTI  
 DATE 18 January, 2018  
 SCALE 1 : 100 @ A3



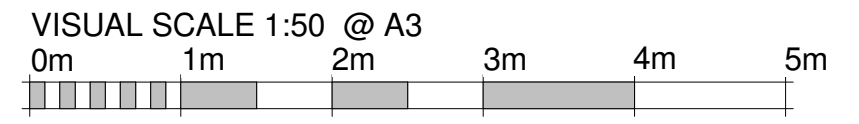
**ROOF PLAN**

SHEET:  
01 OF 01

**AR-021**



South  
1 : 50



Team: TEAM UOW  
 Address: UNIVERSITY OF WOLLONGONG  
 WOLLONGONG  
 NSW, AUSTRALIA 2522  
 Contact: sd-2018@uow.edu.au  
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Client: Dubai Electricity and Water Authority

AMENDMENTS				
REV.	DESCRIPTION	DATE	DRAWN	CHECK
1	Updated Plans, Detailing and Template Adjustments	01/02/18	VP	JR
2	Inserted the Piers	14/02/18	JAP	JT
3	Updated Annotations and Dimensions for Deliverable #5	19/02/18	CE	JR
4	Added annotation	09/09/18	VP	JR
5	Updated to As-Built	14/09/18	JR	VP

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None; Project is Public	
LOT # M	
DRAWER C.EIO	
CHECKED V.PHAM	
DATE 20 February, 2018	
SCALE 1 : 50 @ A3	

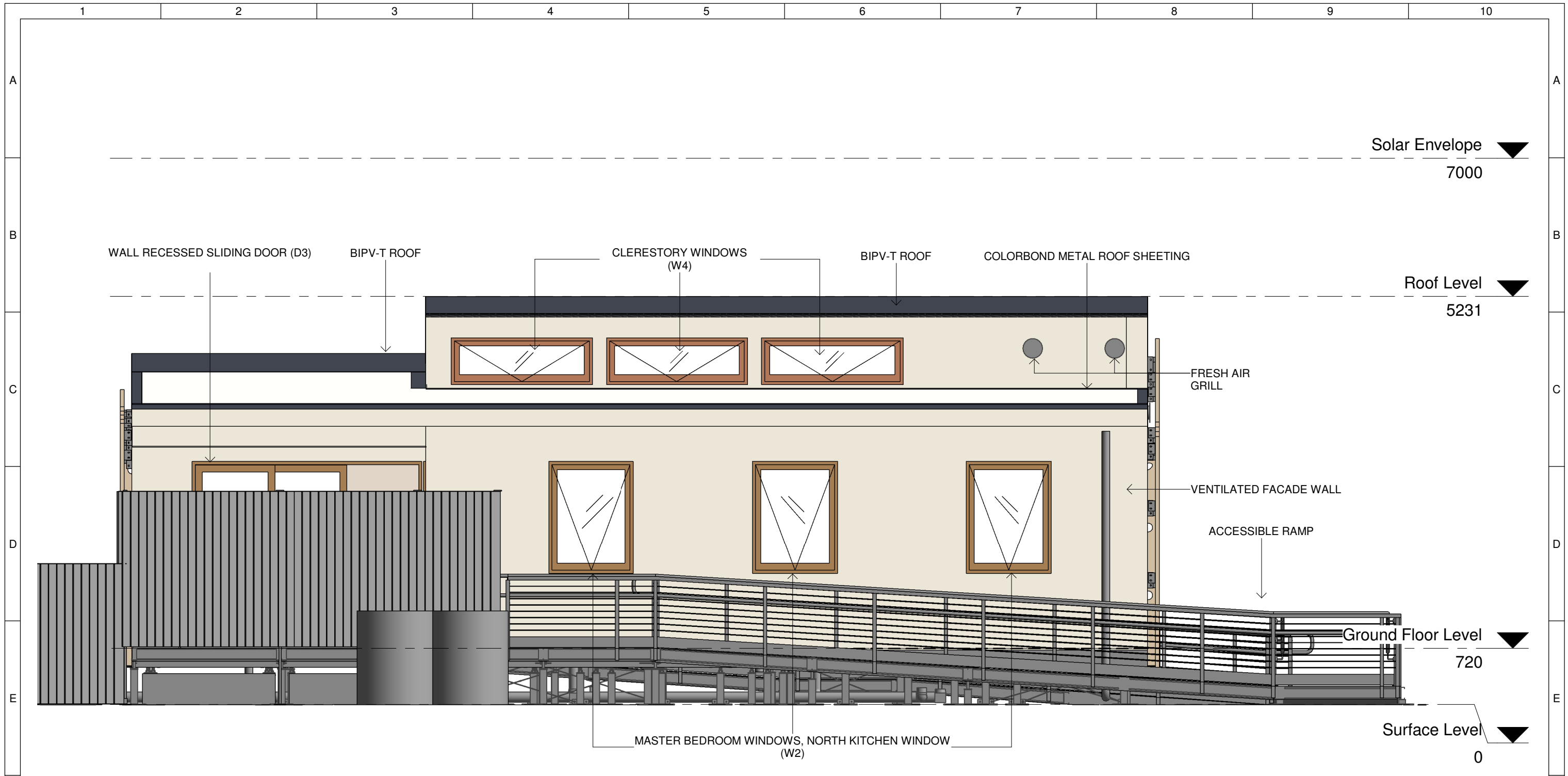
**BUILDING ELEVATION SOUTH**

SHEET: 01 OF 01

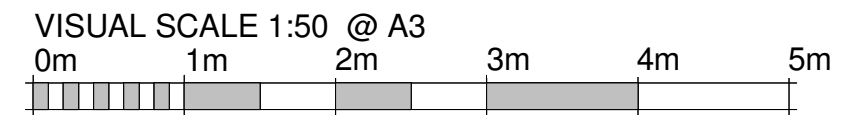
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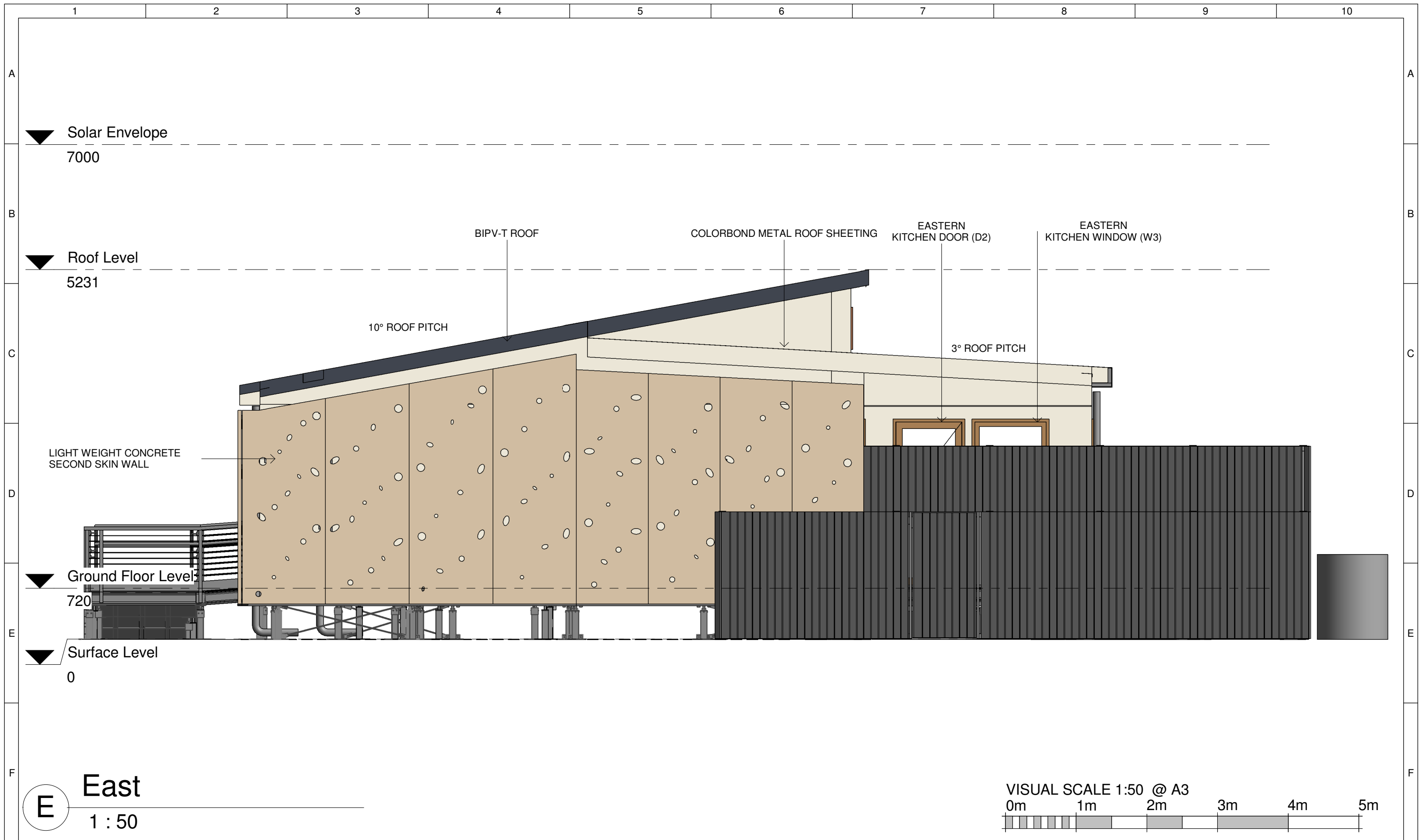




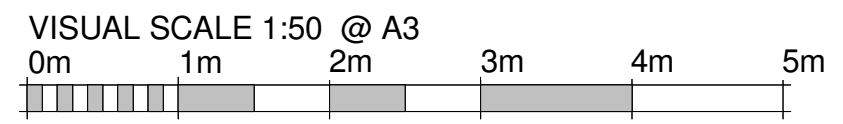
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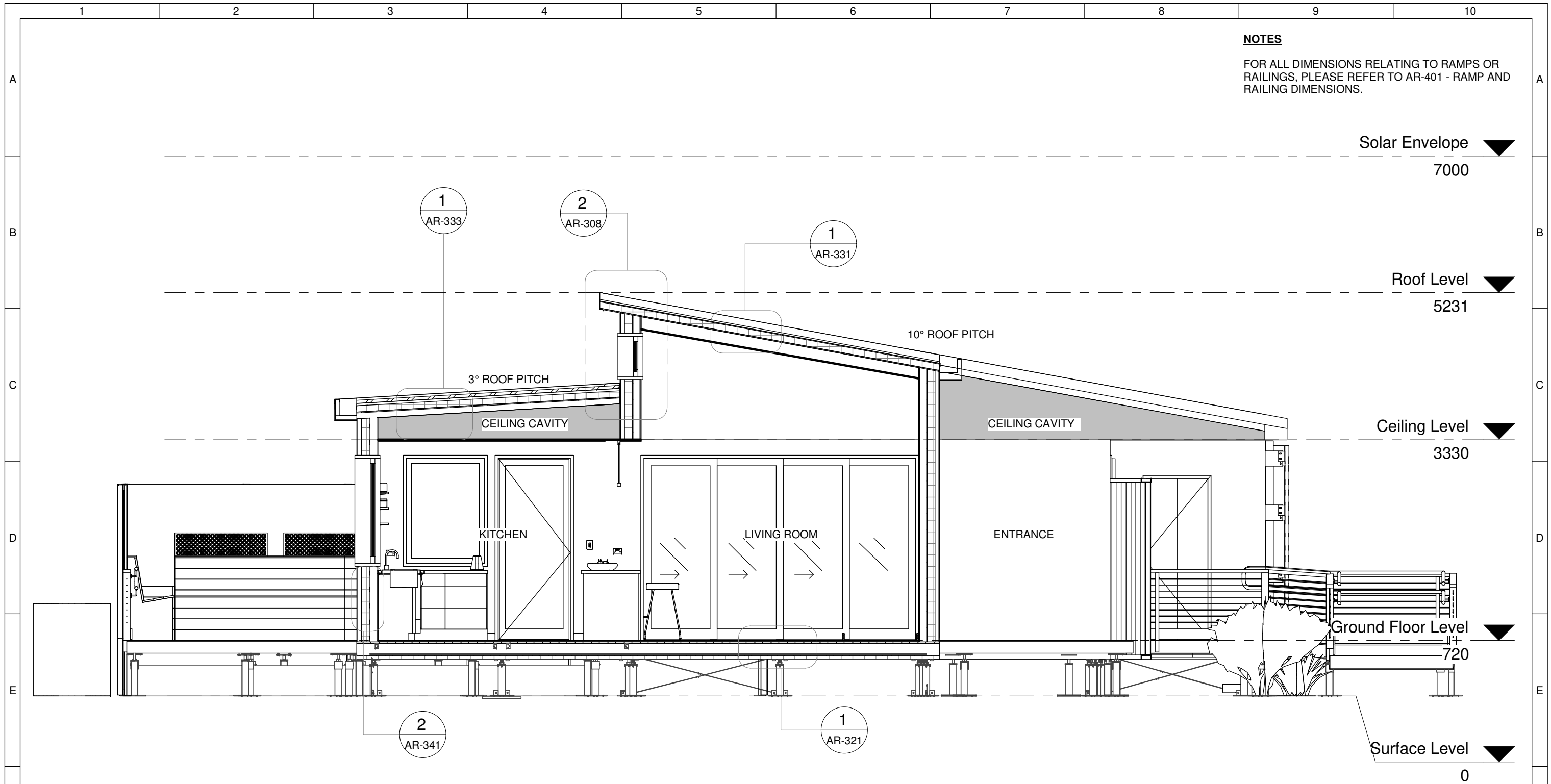
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**E** East  
1 : 50

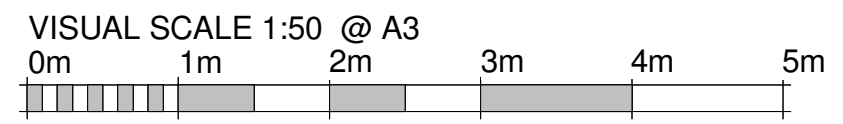


	<b>Team:</b> TEAM UOW <b>Address:</b> UNIVERSITY OF WOLLONGONG WOLLONGONG NSW, AUSTRALIA 2522 <b>Contact:</b> sd-2018@uow.edu.au www.desertrosehouse.com.au	<b>Client:</b> Dubai Electricity and Water Authority 	<b>AMENDMENTS</b> <table border="1"> <thead> <tr> <th>REV.</th> <th>DESCRIPTION</th> <th>DATE</th> <th>DRAWN</th> <th>CHECK</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Hid Section/Reference Lines</td> <td>30/01/18</td> <td>JR</td> <td>JR</td> </tr> <tr> <td>2</td> <td>Updated Plans, Detailing and Template Adjustments</td> <td>01/02/18</td> <td>VP</td> <td>JT</td> </tr> <tr> <td>3</td> <td>Inserted the Piers</td> <td>14/02/18</td> <td>JAP</td> <td>JT</td> </tr> <tr> <td>4</td> <td>Updated Annotations and Dimensions for Deliverable #5</td> <td>19/02/18</td> <td>CE</td> <td>VP</td> </tr> <tr> <td>5</td> <td>Updated to As-Built</td> <td>14/09/18</td> <td>JR</td> <td>VP</td> </tr> </tbody> </table>	REV.	DESCRIPTION	DATE	DRAWN	CHECK	1	Hid Section/Reference Lines	30/01/18	JR	JR	2	Updated Plans, Detailing and Template Adjustments	01/02/18	VP	JT	3	Inserted the Piers	14/02/18	JAP	JT	4	Updated Annotations and Dimensions for Deliverable #5	19/02/18	CE	VP	5	Updated to As-Built	14/09/18	JR	VP	<b>COPYRIGHT</b> None; Project is Public LOT # M DRAWER C.EIO CHECKED V.PHAM DATE 20 February, 2018 SCALE 1 : 50 @ A3	<b>BUILDING ELEVATION EAST</b>  <b>AR-104</b> SHEET: 01 OF 01
	REV.	DESCRIPTION	DATE	DRAWN	CHECK																														
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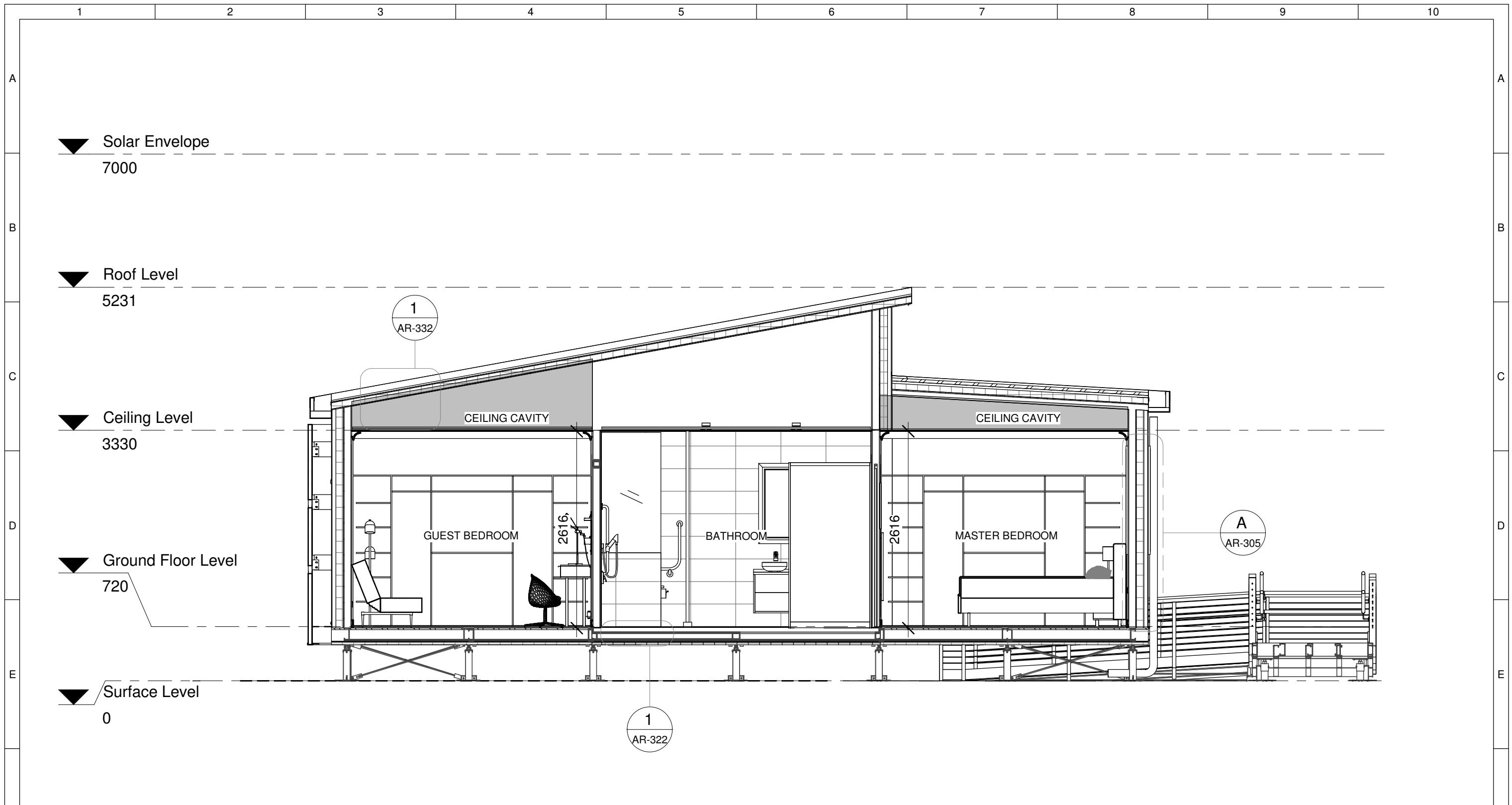


**NOTES**  
 FOR ALL DIMENSIONS RELATING TO RAMPS OR RAILINGS, PLEASE REFER TO AR-401 - RAMP AND RAILING DIMENSIONS.

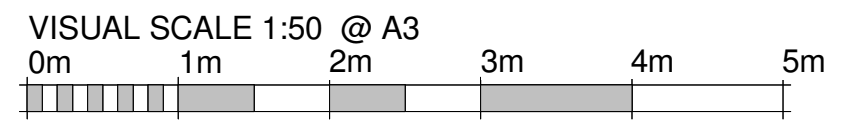
**1** Section 1 - Longitudinal  
 1 : 50



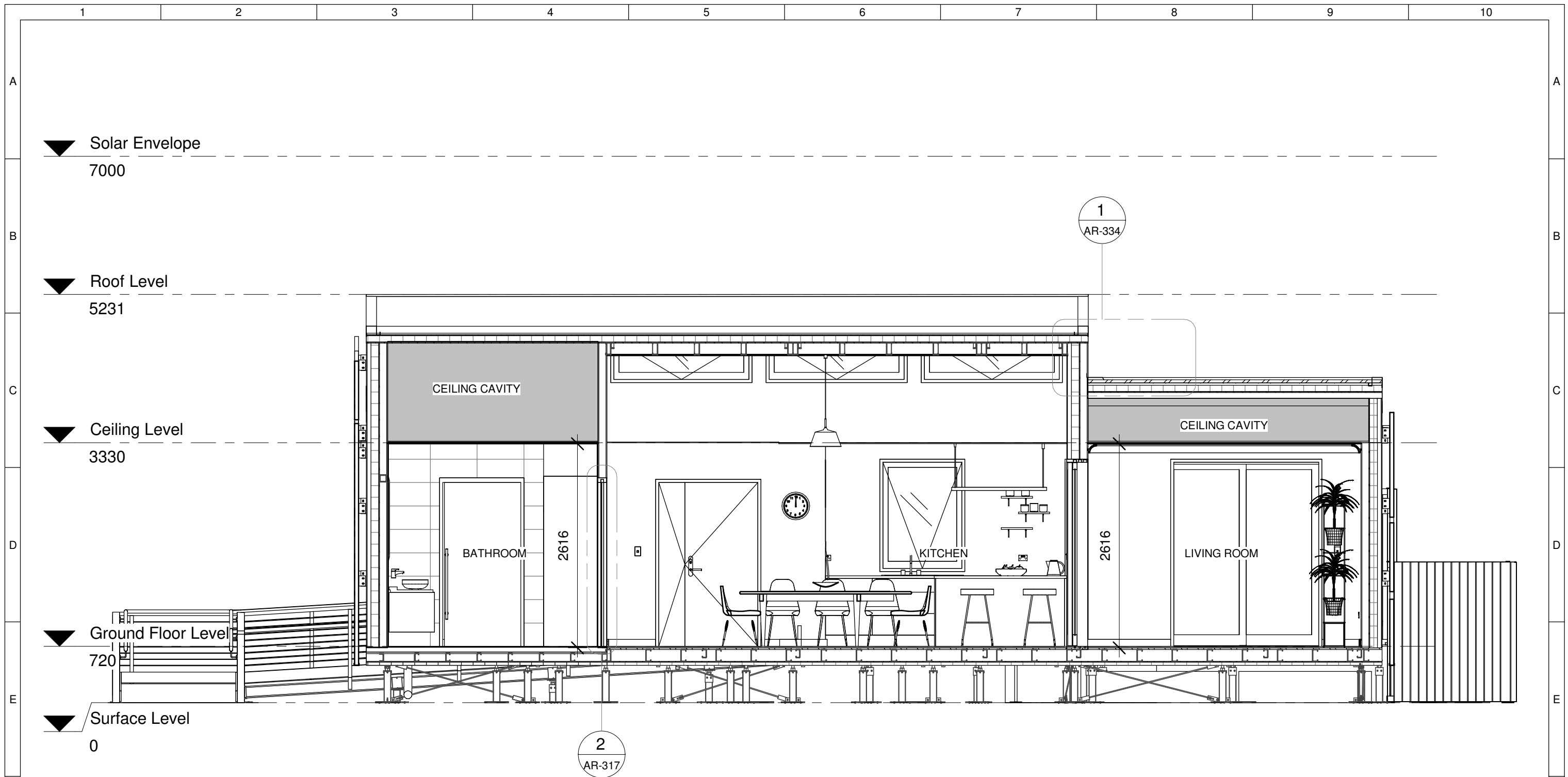
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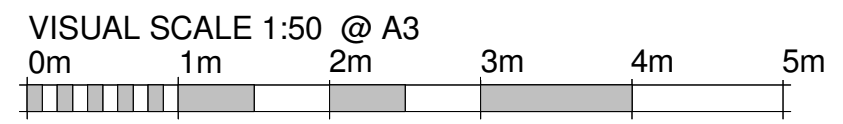
**1** Section 2 - Longitudinal  
1 : 50



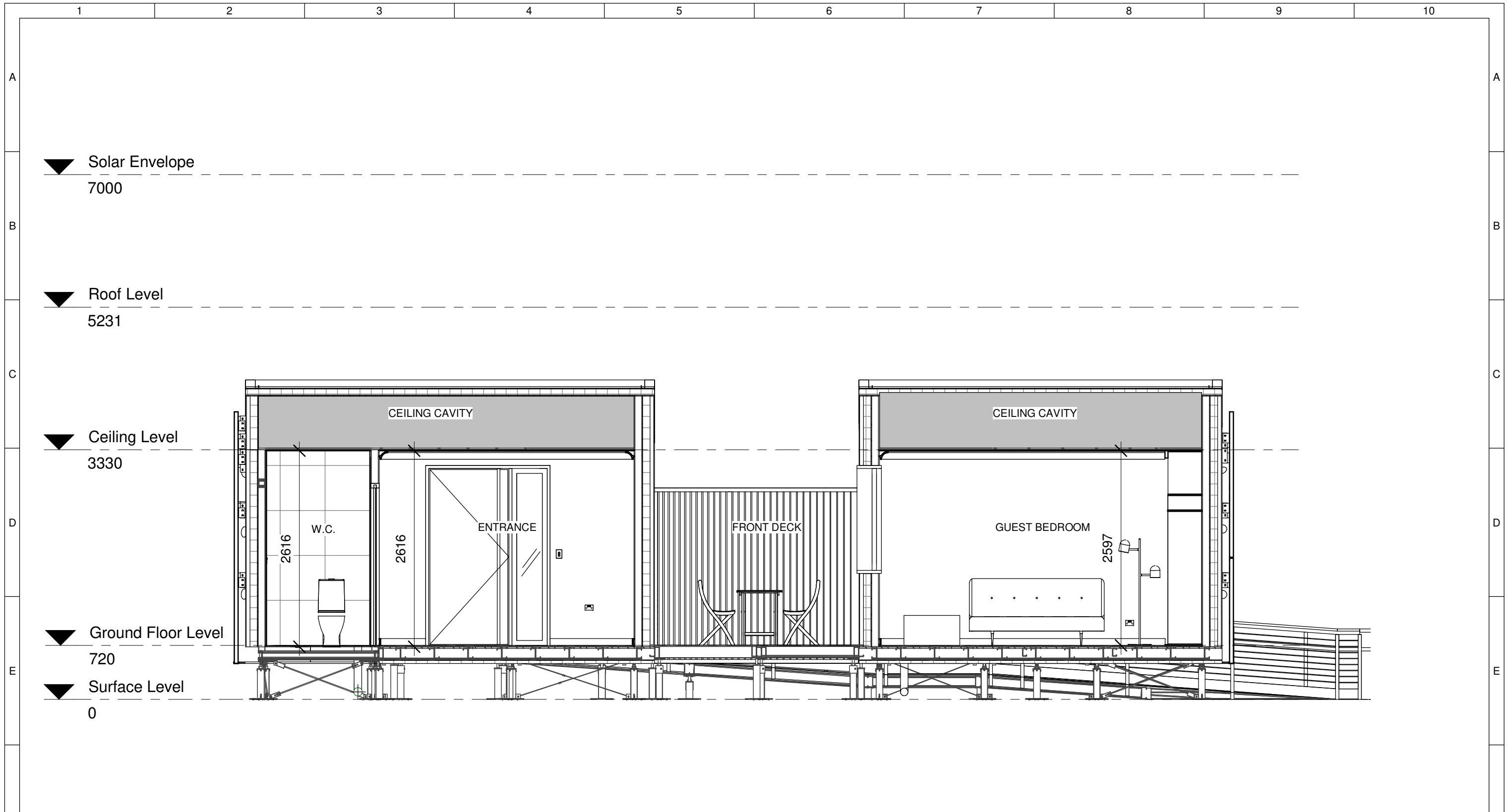
	<b>Team:</b> TEAM UOW <b>Address:</b> UNIVERSITY OF WOLLONGONG WOLLONGONG NSW, AUSTRALIA 2522	<b>Client:</b> Dubai Electricity and Water Authority 	<b>AMENDMENTS</b>				<b>COPYRIGHT</b> None; Project is Public		<b>LONGITUDINAL SECTION 2</b>  <b>AR-202</b>																													
	<b>Contact:</b> sd-2018@uow.edu.au www.desertrosehouse.com.au		<table border="1"> <thead> <tr> <th>REV.</th> <th>DESCRIPTION</th> <th>DATE</th> <th>DRAWN</th> <th>CHECK</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Hide Section/Reference Lines</td> <td>30/01/18</td> <td>VP</td> <td>JR</td> </tr> <tr> <td>2</td> <td>Updated Plans, Detailing and Template Adjustments</td> <td>01/02/18</td> <td>VP</td> <td>JT</td> </tr> <tr> <td>3</td> <td>Inserted the Piers</td> <td>14/02/18</td> <td>JAP</td> <td>JT</td> </tr> <tr> <td>4</td> <td>Updated to As-Built</td> <td>14/09/18</td> <td>VP</td> <td>JR</td> </tr> </tbody> </table>	REV.	DESCRIPTION	DATE	DRAWN	CHECK		1	Hide Section/Reference Lines	30/01/18	VP	JR	2	Updated Plans, Detailing and Template Adjustments	01/02/18	VP	JT	3	Inserted the Piers	14/02/18	JAP	JT	4	Updated to As-Built	14/09/18	VP	JR	<table border="1"> <thead> <tr> <th>LOT</th> <th># M</th> </tr> </thead> <tbody> <tr> <td>DRAWER</td> <td>C.EIO</td> </tr> <tr> <td>CHECKED</td> <td>L.FAIDUTTI</td> </tr> <tr> <td>DATE</td> <td>20 February, 2018</td> </tr> <tr> <td>SCALE</td> <td>1 : 50 @ A3</td> </tr> </tbody> </table>	LOT	# M	DRAWER	C.EIO	CHECKED	L.FAIDUTTI	DATE	20 February, 2018
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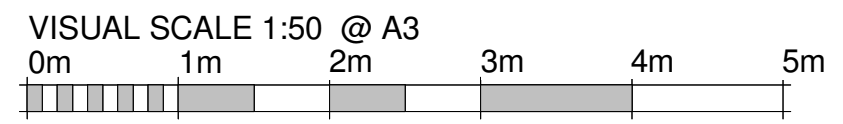
**1** Section 1 - Transversal  
1 : 50



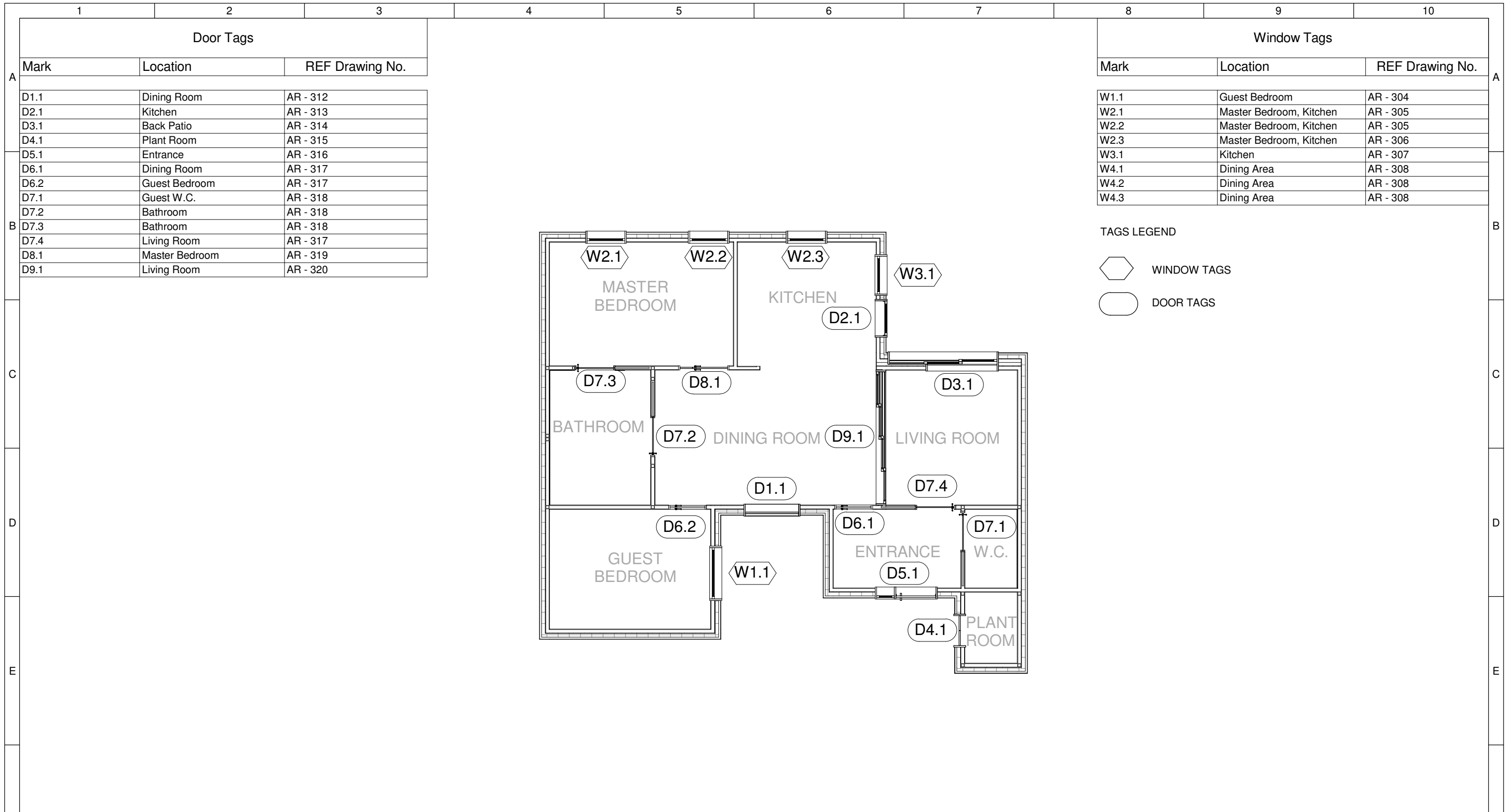
	<b>Team:</b> TEAM UOW <b>Address:</b> UNIVERSITY OF WOLLONGONG WOLLONGONG NSW, AUSTRALIA 2522	<b>Client:</b> Dubai Electricity and Water Authority 	<b>AMENDMENTS</b>				<b>COPYRIGHT</b> None; Project is Public		<b>TRANSVERSAL SECTION 1</b>  <b>AR-211</b>																													
	<b>Contact:</b> sd-2018@uow.edu.au www.desertrosehouse.com.au		<table border="1"> <thead> <tr> <th>REV.</th> <th>DESCRIPTION</th> <th>DATE</th> <th>DRAWN</th> <th>CHECK</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Hid Section/Reference Lines</td> <td>30/01/18</td> <td>VP</td> <td>JR</td> </tr> <tr> <td>2</td> <td>Updated Plans, Detailing and Template Adjustments</td> <td>01/02/18</td> <td>VP</td> <td>JT</td> </tr> <tr> <td>3</td> <td>Inserted the Piers</td> <td>14/02/18</td> <td>JAP</td> <td>JT</td> </tr> <tr> <td>4</td> <td>Updated to As-Built</td> <td>14/09/18</td> <td>VP</td> <td>JR</td> </tr> </tbody> </table>	REV.	DESCRIPTION	DATE	DRAWN	CHECK		1	Hid Section/Reference Lines	30/01/18	VP	JR	2	Updated Plans, Detailing and Template Adjustments	01/02/18	VP	JT	3	Inserted the Piers	14/02/18	JAP	JT	4	Updated to As-Built	14/09/18	VP	JR	<table border="1"> <thead> <tr> <th>LOT</th> <th># M</th> </tr> </thead> <tbody> <tr> <td>DRAWER</td> <td>J.ROTH</td> </tr> <tr> <td>CHECKED</td> <td>J.THIM</td> </tr> <tr> <td>DATE</td> <td>20 February, 2018</td> </tr> <tr> <td>SCALE</td> <td>1 : 50 @ A3</td> </tr> </tbody> </table>	LOT	# M	DRAWER	J.ROTH	CHECKED	J.THIM	DATE	20 February, 2018
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**1** Section 2 - Transversal  
1 : 50



	<b>Team:</b> TEAM UOW <b>Address:</b> UNIVERSITY OF WOLLONGONG WOLLONGONG NSW, AUSTRALIA 2522	<b>Client:</b> Dubai Electricity and Water Authority 	<b>AMENDMENTS</b>				<b>COPYRIGHT</b> None; Project is Public		<b>TRANSVERSAL SECTION 2</b>																													
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SCALE	1 : 50 @ A3																																					



Door Tags		
Mark	Location	REF Drawing No.
D1.1	Dining Room	AR - 312
D2.1	Kitchen	AR - 313
D3.1	Back Patio	AR - 314
D4.1	Plant Room	AR - 315
D5.1	Entrance	AR - 316
D6.1	Dining Room	AR - 317
D6.2	Guest Bedroom	AR - 317
D7.1	Guest W.C.	AR - 318
D7.2	Bathroom	AR - 318
D7.3	Bathroom	AR - 318
D7.4	Living Room	AR - 317
D8.1	Master Bedroom	AR - 319
D9.1	Living Room	AR - 320

Window Tags		
Mark	Location	REF Drawing No.
W1.1	Guest Bedroom	AR - 304
W2.1	Master Bedroom, Kitchen	AR - 305
W2.2	Master Bedroom, Kitchen	AR - 305
W2.3	Master Bedroom, Kitchen	AR - 306
W3.1	Kitchen	AR - 307
W4.1	Dining Area	AR - 308
W4.2	Dining Area	AR - 308
W4.3	Dining Area	AR - 308

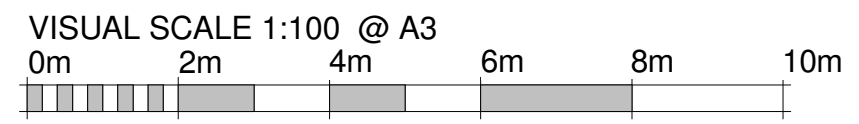
TAGS LEGEND

WINDOW TAGS

DOOR TAGS

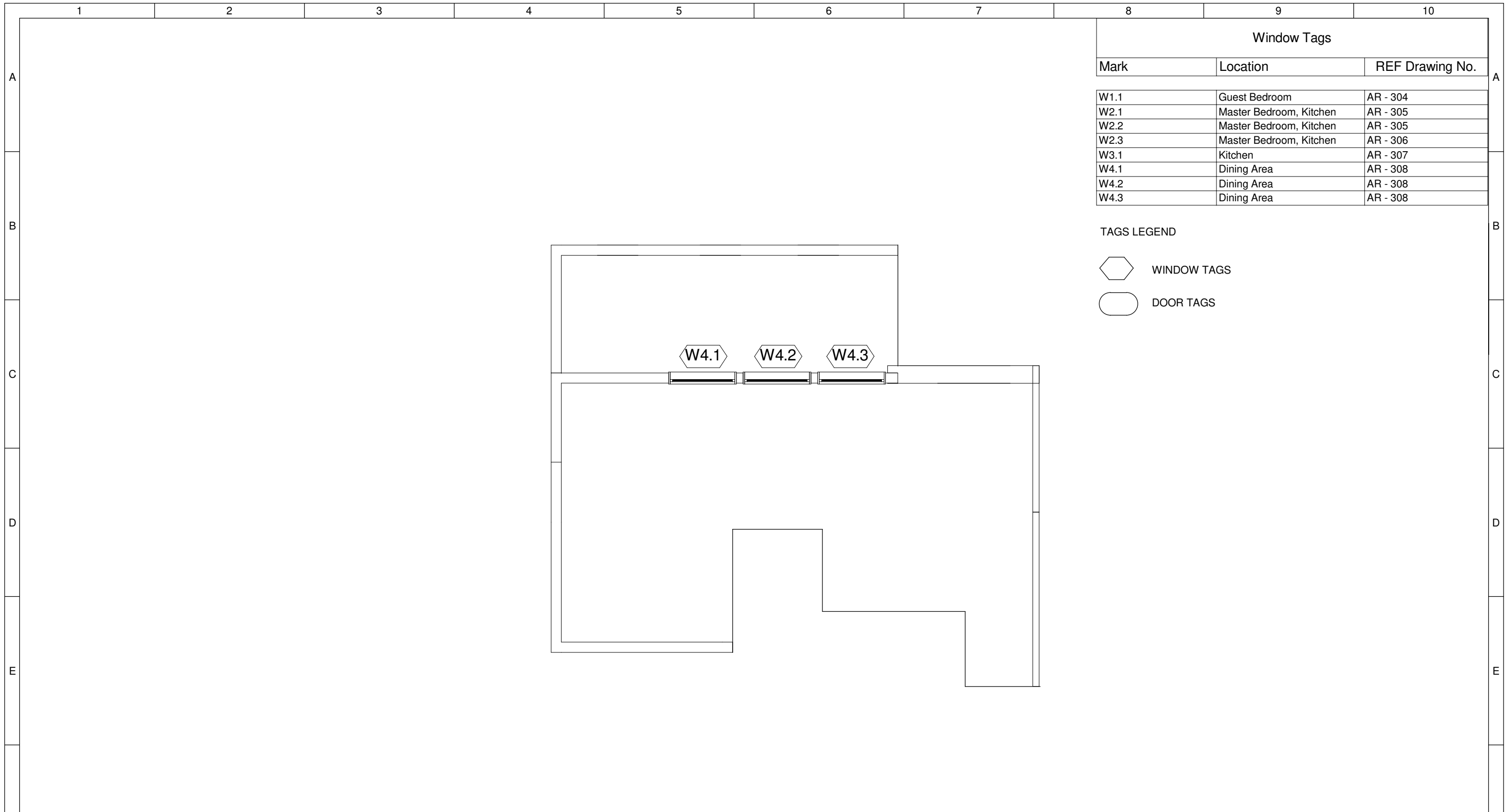
# 1 Door and Window Tags

1 : 100





	<b>Team:</b> TEAM UOW <b>Address:</b> UNIVERSITY OF WOLLONGONG WOLLONGONG NSW, AUSTRALIA 2522 <b>Contact:</b> sd-2018@uow.edu.au www.desertrosehouse.com.au	<b>Client:</b> Dubai Electricity and Water Authority 	<b>AMENDMENTS</b> <table border="1"> <thead> <tr> <th>REV.</th> <th>DESCRIPTION</th> <th>DATE</th> <th>DRAWN</th> <th>CHECK</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Updated Plans and Detailing</td> <td>17/01/18</td> <td>VP</td> <td>JR</td> </tr> <tr> <td>2</td> <td>Updating door tag numbers</td> <td>01/02/18</td> <td>CE</td> <td>JR</td> </tr> <tr> <td>3</td> <td>Updating door tag numbers</td> <td>07/09/18</td> <td>VP</td> <td>JR</td> </tr> <tr> <td>4</td> <td>Updated to As-Built</td> <td>14/09/18</td> <td>VP</td> <td>JR</td> </tr> </tbody> </table>	REV.	DESCRIPTION	DATE	DRAWN	CHECK	1	Updated Plans and Detailing	17/01/18	VP	JR	2	Updating door tag numbers	01/02/18	CE	JR	3	Updating door tag numbers	07/09/18	VP	JR	4	Updated to As-Built	14/09/18	VP	JR	<b>COPYRIGHT</b> None; Project is Public LOT # M DRAWER V.PHAM CHECKED L.FAIDUTTI DATE 07 September, 2018 SCALE 1 : 100 @ A3	 <b>NORTH</b> SHEET: 01 OF 01	<b>DOOR AND WINDOW LOCATIONS - GF</b> <h1>AR-301</h1>
	REV.	DESCRIPTION	DATE	DRAWN	CHECK																										
1	Updated Plans and Detailing	17/01/18	VP	JR																											
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TAGS LEGEND

-  WINDOW TAGS
-  DOOR TAGS





1

# Window Tags - Celestory

1 : 100

VISUAL SCALE 1:100 @ A3



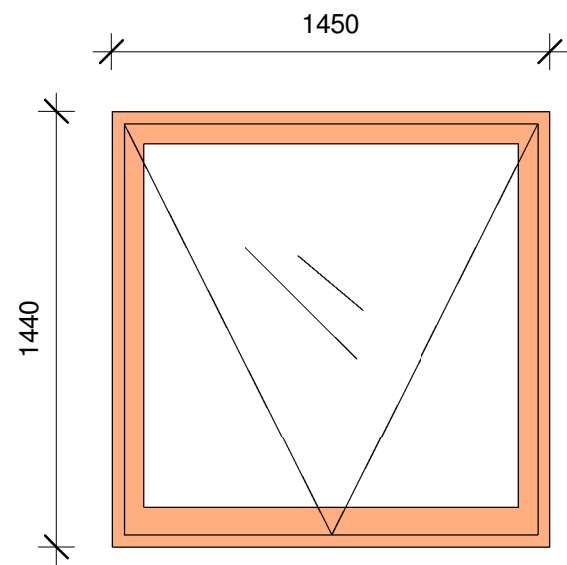
	<b>Team:</b> TEAM UOW	<b>Client:</b>  Dubai Electricity and Water Authority	<b>AMENDMENTS</b>				<b>COPYRIGHT</b> None; Project is Public		 <b>NORTH</b>	<b>DOOR AND WINDOW LOCATIONS - CL</b>  <h2 style="margin: 0;">AR-302</h2>															
	<b>Address:</b> UNIVERSITY OF WOLLONGONG WOLLONGONG NSW, AUSTRALIA 2522		<b>Contact:</b> sd-2018@uow.edu.au www.desertrosehouse.com.au		<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>REV.</th> <th>DESCRIPTION</th> <th>DATE</th> <th>DRAWN</th> <th>CHECK</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Updated to As-Built</td> <td>14/09/18</td> <td>VP</td> <td>JR</td> </tr> </tbody> </table>	REV.	DESCRIPTION	DATE			DRAWN	CHECK	1	Updated to As-Built	14/09/18	VP	JR	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>LOT</th> <th># M</th> </tr> </thead> <tbody> <tr> <td>DRAWER</td> <td>V.PHAM</td> </tr> <tr> <td>CHECKED</td> <td>J. ROTH</td> </tr> <tr> <td>DATE</td> <td>20 February, 2018</td> </tr> <tr> <td>SCALE</td> <td>1 : 100 @ A3</td> </tr> </tbody> </table>	LOT	# M	DRAWER	V.PHAM	CHECKED	J. ROTH	DATE
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AR-301 Window Schedule

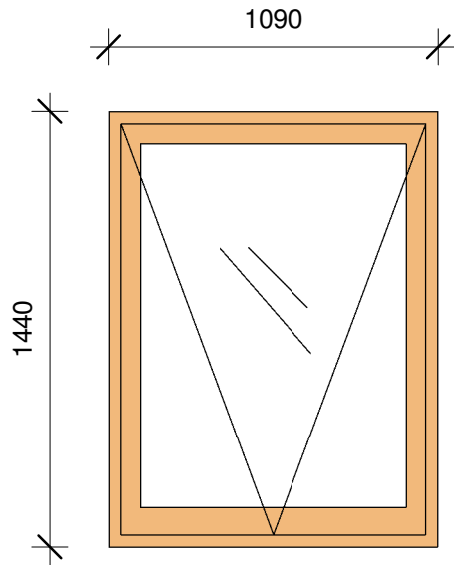
Type Mark	Count	Window Style	Operation	Location	Width	Height
W1	1	Awning Window	Automated	Guest Bedroom	1450	1440
W2	3	Awning Window	Automated	Master Bedroom, Kitchen	1090	1440
W3	1	Casement Window	Manual	Kitchen	1090	1440
W4	3	Transom Awning Window	Automated	Dining Area	1810	600

**NOTES**

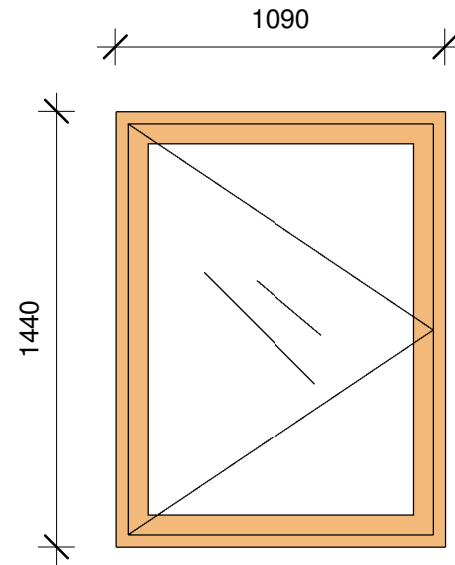
WINDOWS FIXED DIRECTLY TO STEEL FRAME USING MINIMUM OF 2 BUGAL SCREWS ON BOTH LEFT AND RIGHT SIDES OF WINDOW FRAME



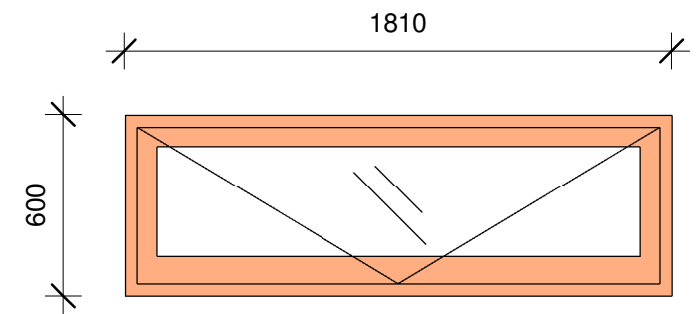
ELEVATION  
W1  
GUEST BEDROOM



ELEVATION  
W2  
MASTER BEDROOM, KITCHEN NORTH

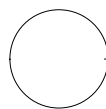


ELEVATION  
W3  
KITCHEN EAST



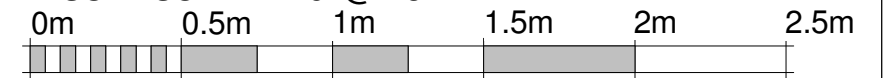
ELEVATION  
W4  
DINING AREA

Window Legend



1 : 25

VISUAL SCALE 1:25 @ A3



**Team:** TEAM UOW  
**Address:** UNIVERSITY OF WOLLONGONG  
WOLLONGONG  
NSW, AUSTRALIA 2522  
**Contact:** sd-2018@uow.edu.au  
www.desertrosehouse.com.au



AMENDMENTS

REV.	DESCRIPTION	DATE	DRAWN	CHECK
1	Minor grammar/sizing update	18/01/18	VP	JR
2	Schedule/Placement/Scale	29/01/18	VP	JR
3	Updated Plans, Detailing and Template Adjustments	01/02/18	VP	JR
4	Edited Tags	06/09/18	VP	JR
5	Updated to As-Built	14/09/18	VP	JR

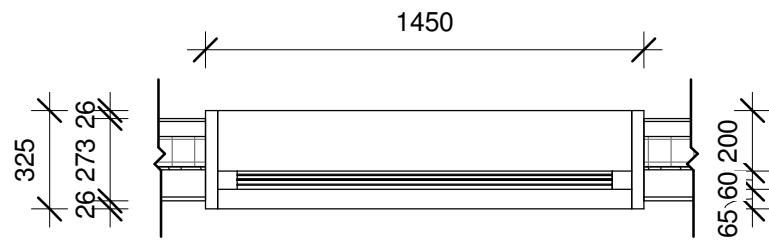
COPYRIGHT

None; Project is Public  
LOT # M  
DRAWER V.PHAM  
CHECKED J.ROTH  
DATE 06 September, 2018  
SCALE 1 : 25 @ A3

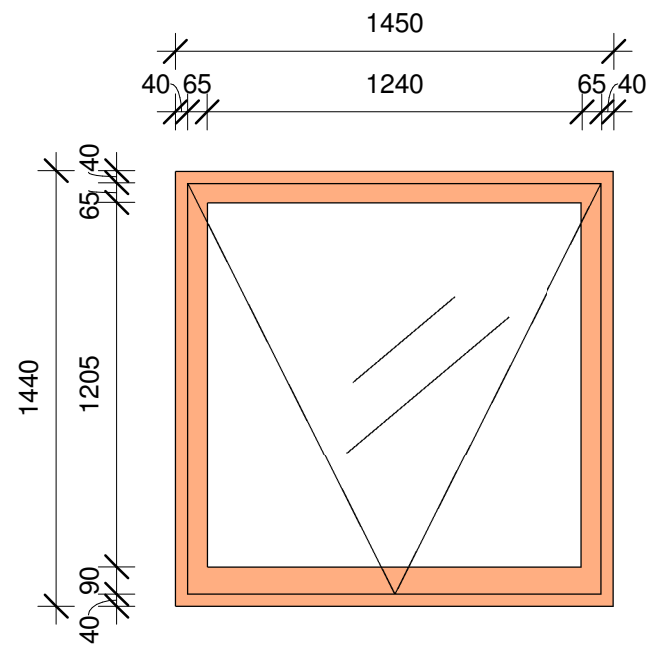
WINDOW SCHEDULE

SHEET:  
01 OF 01

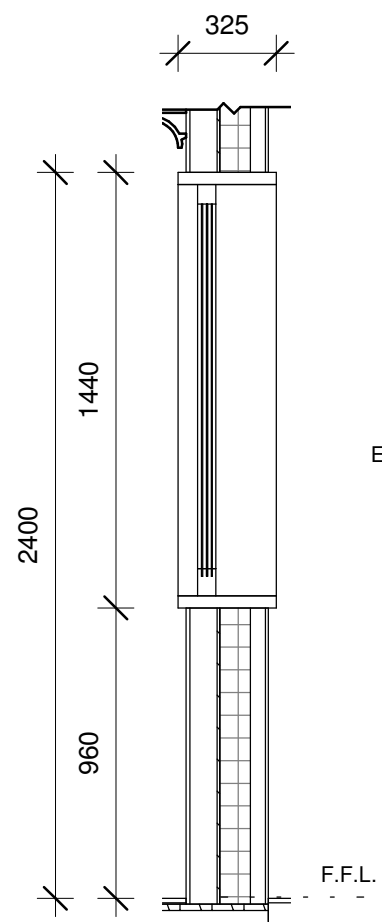
AR-303



PLAN VIEW



ELEVATION VIEW



SECTION VIEW

**NOTES**

WINDOW FRAME MADE OF RECYCLED HARDWOOD.  
WINDOW AUTOMATED.

FRAME REBATE SET TO 44mm - ALLOWING FOR A 30mm IGU. IGU DETAILS ARE AS FOLLOWS:

- 4mm CLEAR TOUGHENED + MICROSHADE
- 10mm ARGON
- 4mm PERFORMATECH PH12(30) CLEAR TOUGHENED
- 8mm ARGON
- 4mm ENERGYTECH CLEAR TOUGHENED

CSR VIRIDIAN MICROSHADE MESH TO BE INSTALLED ON GLAZING SURFACE. MICROSHADE TYPE: **MS-A**.

HARDWARE NOT SHOWN IN DRAWING.

GLAZING MATERIAL SPECIFICATIONS AS FOLLOWS:

- 4TF GRADE A
- AS/NZS 2208
- LIC NO. 770
- SAFETY GLASS

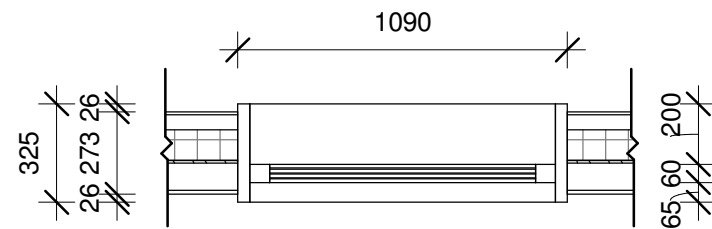
WINDOW GLAZING COMPLIANT WITH IRC SECTION R308

THERMAL RESISTANCE (R) VALUE FOR WINDOW DETAIL (W1): **1.047Km<sup>2</sup>/W**

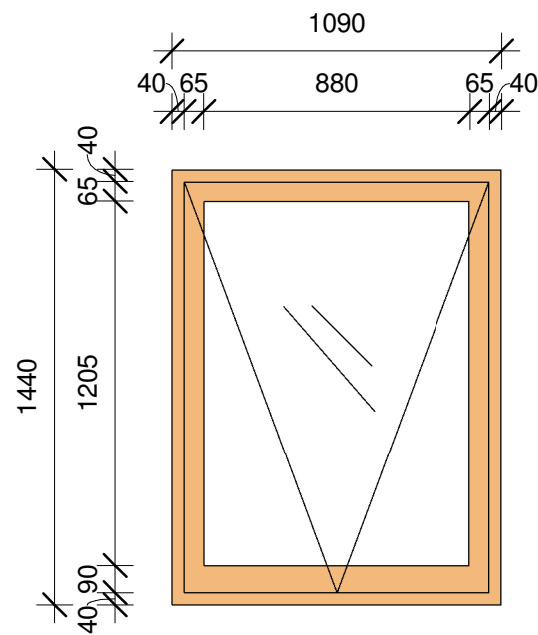
**Window Detailing (W1)**  
1 : 25



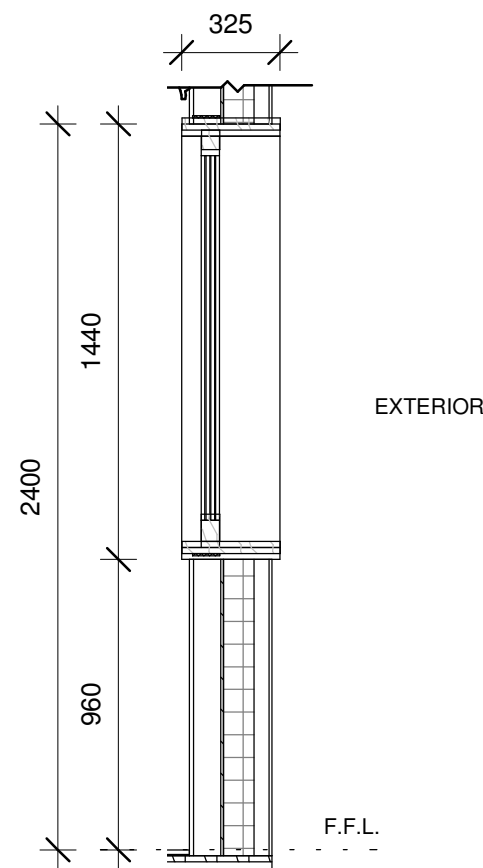
	<b>Team:</b> TEAM UOW <b>Address:</b> UNIVERSITY OF WOLLONGONG WOLLONGONG NSW, AUSTRALIA 2522 <b>Contact:</b> sd-2018@uow.edu.au www.desertrosehouse.com.au	<b>Client:</b> Dubai Electricity and Water Authority 	<b>AMENDMENTS</b> <table border="1"> <thead> <tr> <th>REV.</th> <th>DESCRIPTION</th> <th>DATE</th> <th>DRAWN</th> <th>CHECK</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Updated Plans and Detailing</td> <td>19/01/18</td> <td>VP</td> <td>JR</td> </tr> <tr> <td>2</td> <td>Placement and Annotations</td> <td>29/01/18</td> <td>VP</td> <td>JR</td> </tr> <tr> <td>3</td> <td>Updated Plans, Detailing and Template Adjustments</td> <td>01/02/18</td> <td>VP</td> <td>JR</td> </tr> <tr> <td>4</td> <td>Updated to As-Built</td> <td>14/09/18</td> <td>VP</td> <td>JR</td> </tr> </tbody> </table>	REV.	DESCRIPTION	DATE	DRAWN	CHECK	1	Updated Plans and Detailing	19/01/18	VP	JR	2	Placement and Annotations	29/01/18	VP	JR	3	Updated Plans, Detailing and Template Adjustments	01/02/18	VP	JR	4	Updated to As-Built	14/09/18	VP	JR	<b>COPYRIGHT</b> None; Project is Public LOT # M DRAWER V.PHAM CHECKED J.ROTH DATE 20 February, 2018 SCALE 1 : 25 @ A3	<b>WINDOW DETAILING (W1)</b>  <b>AR-304</b>  SHEET: 01 OF 01
	REV.	DESCRIPTION	DATE	DRAWN	CHECK																									
1	Updated Plans and Detailing	19/01/18	VP	JR																										
2	Placement and Annotations	29/01/18	VP	JR																										
3	Updated Plans, Detailing and Template Adjustments	01/02/18	VP	JR																										
4	Updated to As-Built	14/09/18	VP	JR																										



PLAN VIEW



ELEVATION VIEW



SECTION VIEW

**NOTES**

WINDOW FRAME MADE OF RECYCLED HARDWOOD.  
WINDOW AUTOMATED.

FRAME REBATE SET TO 44mm - ALLOWING FOR A 30mm IGU. IGU DETAILS ARE AS FOLLOWS:

- 4mm CLEAR TOUGHENED + MICROSHADE
- 10mm ARGON
- 4mm PERFORMATECH PH12(30) CLEAR TOUGHENED
- 8mm ARGON
- 4mm ENERGYTECH CLEAR TOUGHENED

HARDWARE NOT SHOWN IN DRAWING.

GLAZING MATERIAL SPECIFICATIONS AS FOLLOWS:

- 4TF GRADE A
- AS/NZS 2208
- LIC NO. 770
- SAFETY GLASS

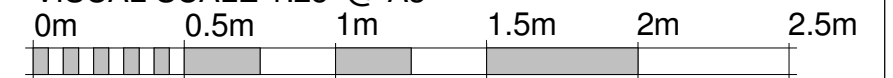
WINDOW GLAZING COMPLIANT WITH IRC SECTION R308

THERMAL RESISTANCE (R) VALUE FOR WINDOW DETAIL (W2): 1.079Km<sup>2</sup>/W

# Window Detailing (W2)

1 : 25

VISUAL SCALE 1:25 @ A3



**Team:** TEAM UOW  
**Address:** UNIVERSITY OF WOLLONGONG  
 WOLLONGONG  
 NSW, AUSTRALIA 2522  
**Contact:** sd-2018@uow.edu.au  
 www.desertrosehouse.com.au



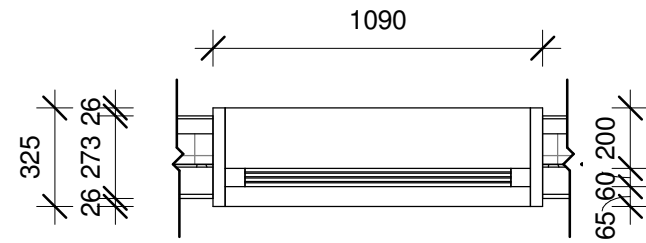
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REV.	DESCRIPTION	DATE	DRAWN	CHECK	
1	Updated Plans and Detailing	19/01/18	VP	JR	
2	Placement and Annotations	29/01/18	VP	JR	
3	Updated Plans, Detailing and Template Adjustments	01/02/18	VP	JR	
4	Updated to As-Built	14/09/18	VP	JR	

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LOT # M	
DRAWER V.PHAM	
CHECKED J. ROTH	
DATE 20 February, 2018	
SCALE 1 : 25 @ A3	

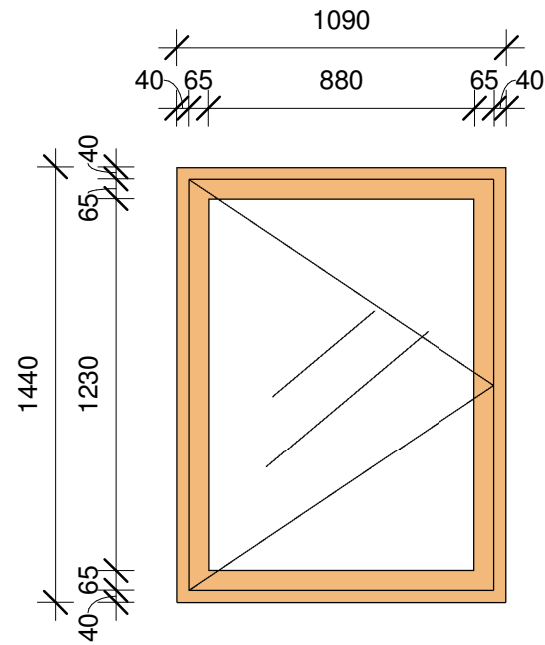
WINDOW  
DETAILING (W2)

SHEET:  
01 OF 01

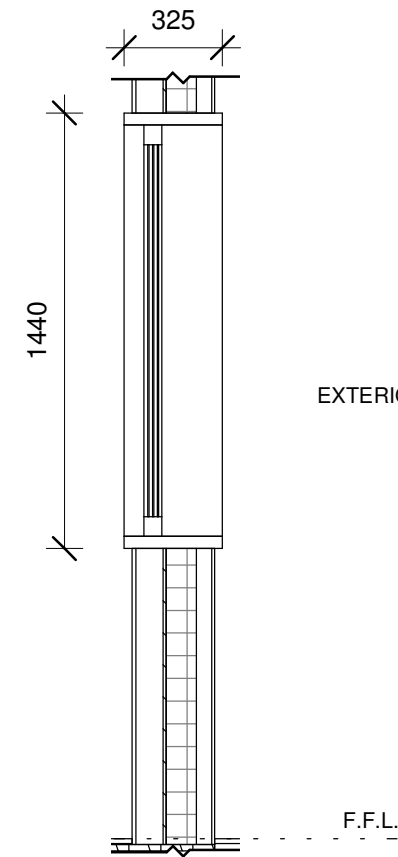
AR-305



PLAN VIEW



ELEVATION VIEW



SECTION VIEW

**NOTES**

WINDOW FRAME MADE OF RECYCLED HARDWOOD.

FRAME REBATE SET TO 44mm - ALLOWING FOR A 30mm IGU. IGU DETAILS ARE AS FOLLOWS:

- 4mm CLEAR TOUGHENED
- 10mm ARGON
- 4mm PERFORMATECH PH12(30) CLEAR TOUGHENED
- 8mm ARGON
- 4mm ENERGYTECH CLEAR TOUGHENED

LOCK / LEVER SET TO BE MANUFACTURED.

HARDWARE NOT SHOWN IN DRAWING.

GLAZING MATERIAL SPECIFICATIONS AS FOLLOWS:

- 4TF GRADE A
- AS/NZS 2208
- LIC NO. 770
- SAFETY GLASS

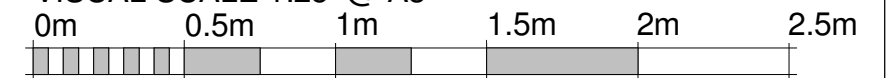
WINDOW GLAZING COMPLIANT WITH IRC SECTION R308

THERMAL RESISTANCE (R) VALUE FOR WINDOW DETAIL (W3): 1.047Km<sup>2</sup>/W

# Window Detailing (W3)

1 : 25

VISUAL SCALE 1:25 @ A3



Team: TEAM UOW  
 Address: UNIVERSITY OF WOLLONGONG  
 WOLLONGONG  
 NSW, AUSTRALIA 2522  
 Contact: sd-2018@uow.edu.au  
 www.desertrosehouse.com.au

Client: Dubai Electricity and Water Authority  
 SOLAR DECATHLON MIDDLE EAST DUBAI, UAE - 2018

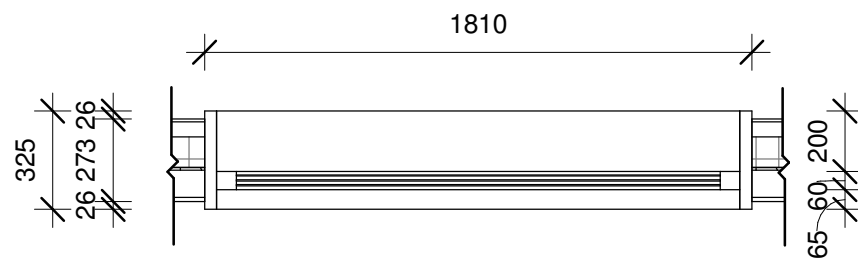
AMENDMENTS					
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1	Updated Plans and Detailing	19/01/18	VP	JR	
2	Placement and Annotations	29/01/18	VP	JR	
3	Updated Plans, Detailing and Template Adjustments	01/02/18	VP	JR	
4	Updated to As-Built	14/09/18	VP	JR	

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 LOT # M  
 DRAWER V.PHAM  
 CHECKED J. ROTH  
 DATE 20 February, 2018  
 SCALE 1 : 25 @ A3

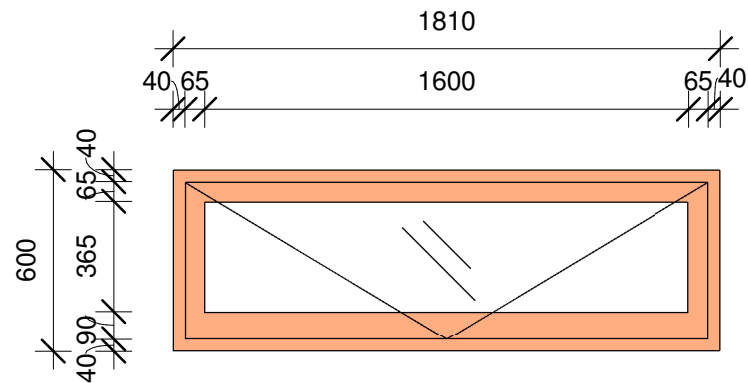
WINDOW  
 DETAILING (W3)

SHEET:  
 01 OF 01

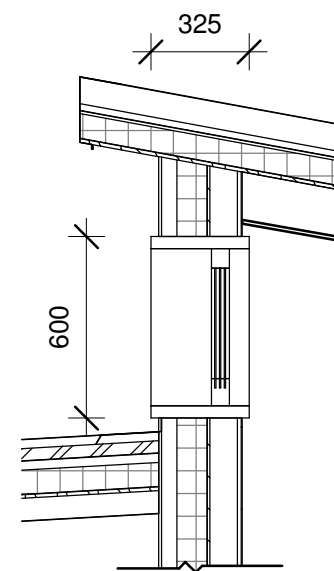
AR-307



PLAN VIEW



ELEVATION VIEW



EXTERIOR

SECTION VIEW

**NOTES**

WINDOW FRAME MADE OF RECYCLED HARDWOOD.  
WINDOW AUTOMATED.

FRAME REBATE SET TO 44mm- ALLOWING FOR A 30mm IGU. IGU DETAILS ARE AS FOLLOWS:

- 4mm CLEAR TOUGHENED**
- 10mm ARGON**
- 4mm PERFORMATECH PH12(30) CLEAR TOUGHENED**
- 8mm ARGON**
- 4mm ENERGYTECH CLEAR TOUGHENED**

HARDWARE NOT SHOWN IN DRAWING.

WINDOW OPENING MECHANISM TO BE ELECTONIC AND CONNECTED TO THE HOME BUILDING AUTOMATION SYSTEM

GLAZING MATERIAL SPECIFICATIONS AS FOLLOWS:

- 4TF GRADE A**
- AS/NZS 2208**
- LIC NO. 770**
- SAFETY GLASS**

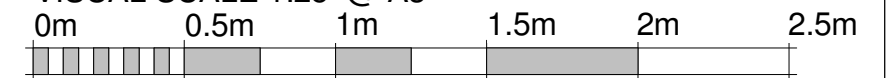
WINDOW GLAZING COMPLIANT WITH IRC SECTION R308

THERMAL RESISTANCE (R) VALUE FOR WINDOW DETAIL (W1): **0.930Km<sup>2</sup>/W**

# Window Detailing (W4)

1 : 25

VISUAL SCALE 1:25 @ A3



**Team:** TEAM UOW  
**Address:** UNIVERSITY OF WOLLONGONG  
 WOLLONGONG  
 NSW, AUSTRALIA 2522  
**Contact:** sd-2018@uow.edu.au  
 www.desertrosehouse.com.au



AMENDMENTS				
REV.	DESCRIPTION	DATE	DRAWN	CHECK
1	Updated Plans and Detailing	19/01/18	VP	JR
2	Placement and Annotations	29/01/18	VP	JR
3	Updated Plans, Detailing and Template Adjustments	01/02/18	VP	JR
4	Updated to As-Built	14/09/18	VP	JR

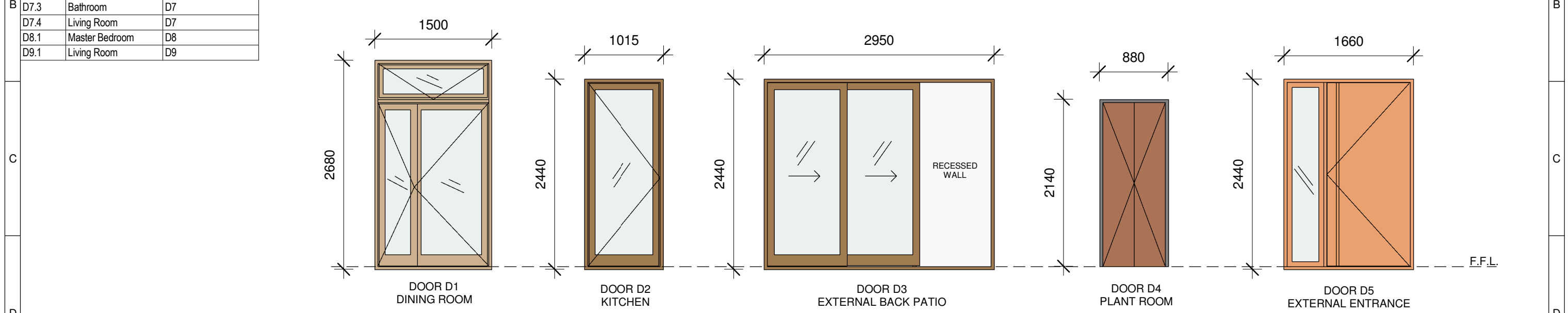
COPYRIGHT	
None; Project is Public	
LOT # M	
DRAWER V. PHAM	
CHECKED J. ROTH	
DATE 20 February, 2018	
SCALE 1 : 25 @ A3	

**WINDOW  
DETAILING (W4)**

SHEET:  
01 OF 01

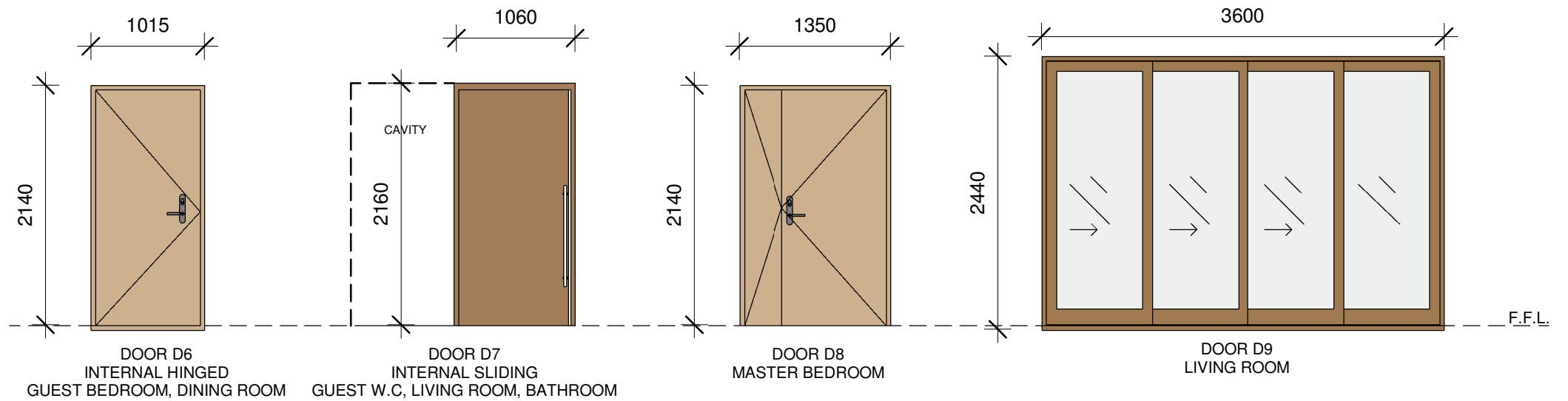
**AR-308**

AR-311 Door Locations			AR-311 Door Quantities					NOTE	
Mark	Location	Description	Description	Count	Height	Width	Thermal Resistance (R)	ALL INTERNAL DOORS DESIGNED TO HAVE (AT MINIMUM) A CLEAR WIDTH OF 800mm, AND EXTERNAL DOORS DESIGNED TO HAVE (AT MINIMUM) A CLEAR WIDTH OF 900mm.	
D1.1	Dining Room	D1	D1	1	2680	1500	N/A		
D2.1	Kitchen	D2	D2	1	2440	1015	1.053		
D3.1	Back Patio	D3	D3	1	2440	2950	N/A		
D4.1	Plant Room	D4	D4	1	2140	914	0.9823		
D5.1	Entrance	D5	D5	1	2440	1660	N/A		
D6.1	Dining Room	D6	D6	2	2180	1015	1.045		
D6.2	Guest Bedroom	D6	D6	4	2160	1940	N/A		
D7.1	Guest W.C.	D7	D7	1	2140	1350	N/A		
D7.2	Bathroom	D7	D7	1	2440	3600	N/A		
D7.3	Bathroom	D7							
D7.4	Living Room	D7							
D8.1	Master Bedroom	D8							
D9.1	Living Room	D9							



### Door Legend External

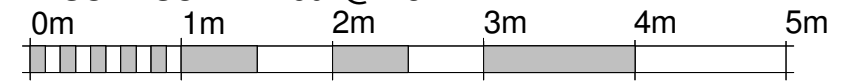
1 : 50



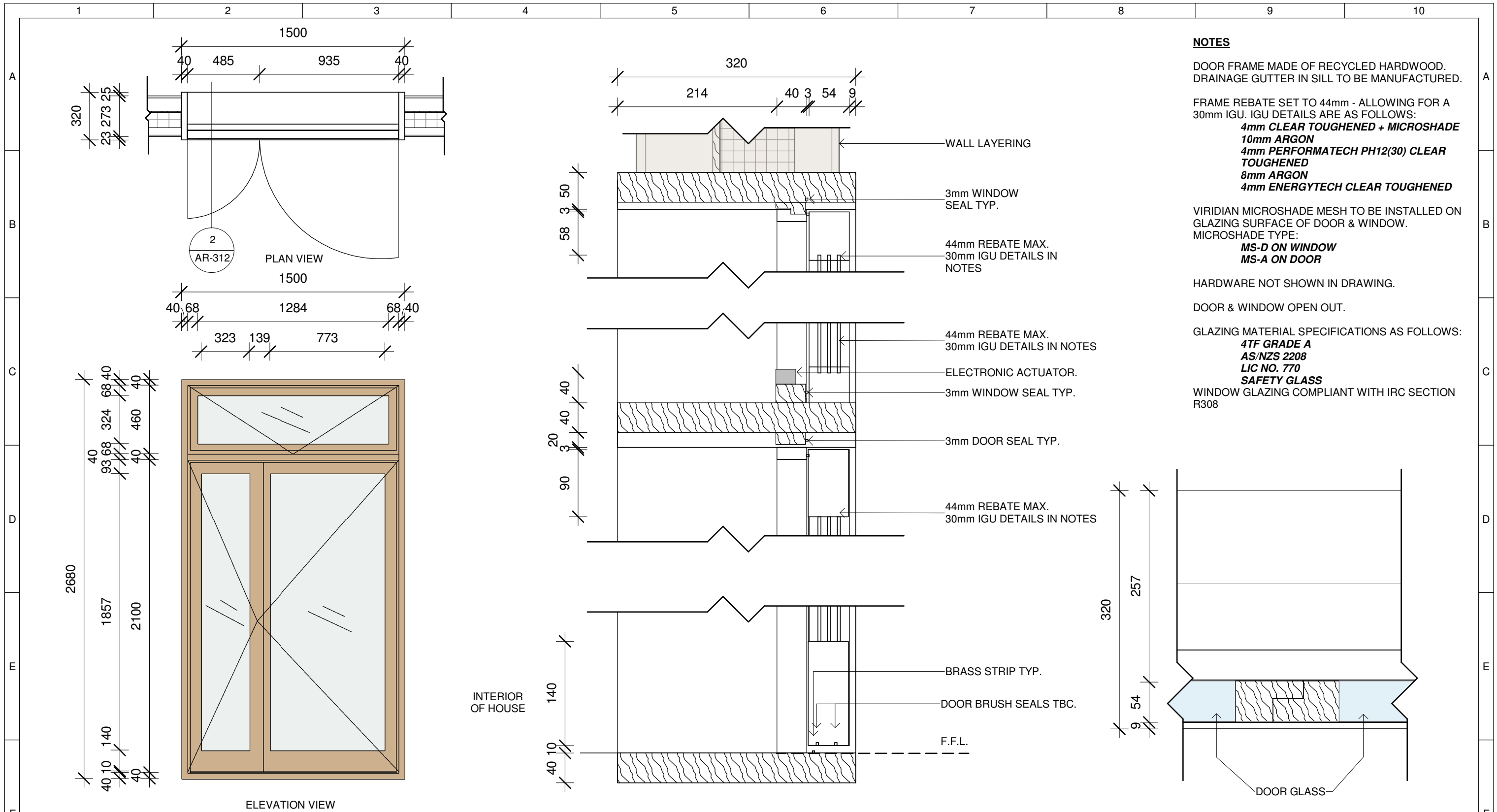
### Door Legend Internal

1 : 50

VISUAL SCALE 1:50 @ A3



	<b>Team:</b> TEAM UOW <b>Address:</b> UNIVERSITY OF WOLLONGONG WOLLONGONG NSW, AUSTRALIA 2522 <b>Contact:</b> sd-2018@uow.edu.au www.desertrosehouse.com.au	<b>Client:</b> Dubai Electricity and Water Authority 	<b>AMENDMENTS</b> <table border="1"> <thead> <tr> <th>REV.</th> <th>DESCRIPTION</th> <th>DATE</th> <th>DRAWN</th> <th>CHECK</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Minor grammar/sizing update</td> <td>17/01/18</td> <td>JR</td> <td>VP</td> </tr> <tr> <td>2</td> <td>Schedule/Placement/Scale</td> <td>29/01/18</td> <td>JR</td> <td>VP</td> </tr> <tr> <td>3</td> <td>Schedule &amp; Legend rearrangement on sheet</td> <td>02/02/18</td> <td>CE</td> <td>VP</td> </tr> <tr> <td>4</td> <td>Replaced Plant Room Door</td> <td>07/02/18</td> <td>JR</td> <td>VP</td> </tr> <tr> <td>5</td> <td>Updated to As-Built</td> <td>14/09/18</td> <td>VP</td> <td>JR</td> </tr> </tbody> </table>	REV.	DESCRIPTION	DATE	DRAWN	CHECK	1	Minor grammar/sizing update	17/01/18	JR	VP	2	Schedule/Placement/Scale	29/01/18	JR	VP	3	Schedule & Legend rearrangement on sheet	02/02/18	CE	VP	4	Replaced Plant Room Door	07/02/18	JR	VP	5	Updated to As-Built	14/09/18	VP	JR	<b>COPYRIGHT</b> None; Project is Public LOT # M DRAWER V.PHAM CHECKED J.ROTH DATE 20 February, 2018 SCALE 1 : 50 @ A3	<b>DOOR SCHEDULE</b>  <b>AR-311</b>
	REV.	DESCRIPTION	DATE	DRAWN	CHECK																														
1	Minor grammar/sizing update	17/01/18	JR	VP																															
2	Schedule/Placement/Scale	29/01/18	JR	VP																															
3	Schedule & Legend rearrangement on sheet	02/02/18	CE	VP																															
4	Replaced Plant Room Door	07/02/18	JR	VP																															
5	Updated to As-Built	14/09/18	VP	JR																															
<b>Desert Rose Team UOW Australia - Dubai</b>				SHEET: 01 OF 01																															



**NOTES**

DOOR FRAME MADE OF RECYCLED HARDWOOD.  
DRAINAGE GUTTER IN SILL TO BE MANUFACTURED.

FRAME REBATE SET TO 44mm - ALLOWING FOR A 30mm IGU. IGU DETAILS ARE AS FOLLOWS:  
**4mm CLEAR TOUGHENED + MICROSHADE**  
**10mm ARGON**  
**4mm PERFORMATECH PH12(30) CLEAR TOUGHENED**  
**8mm ARGON**  
**4mm ENERGYTECH CLEAR TOUGHENED**

VIRIDIAN MICROSHADE MESH TO BE INSTALLED ON GLAZING SURFACE OF DOOR & WINDOW.  
MICROSHADE TYPE:  
**MS-D ON WINDOW**  
**MS-A ON DOOR**

HARDWARE NOT SHOWN IN DRAWING.

DOOR & WINDOW OPEN OUT.

GLAZING MATERIAL SPECIFICATIONS AS FOLLOWS:  
**4TF GRADE A**  
**AS/NZS 2208**  
**LIC NO. 770**  
**SAFETY GLASS**

WINDOW GLAZING COMPLIANT WITH IRC SECTION R308

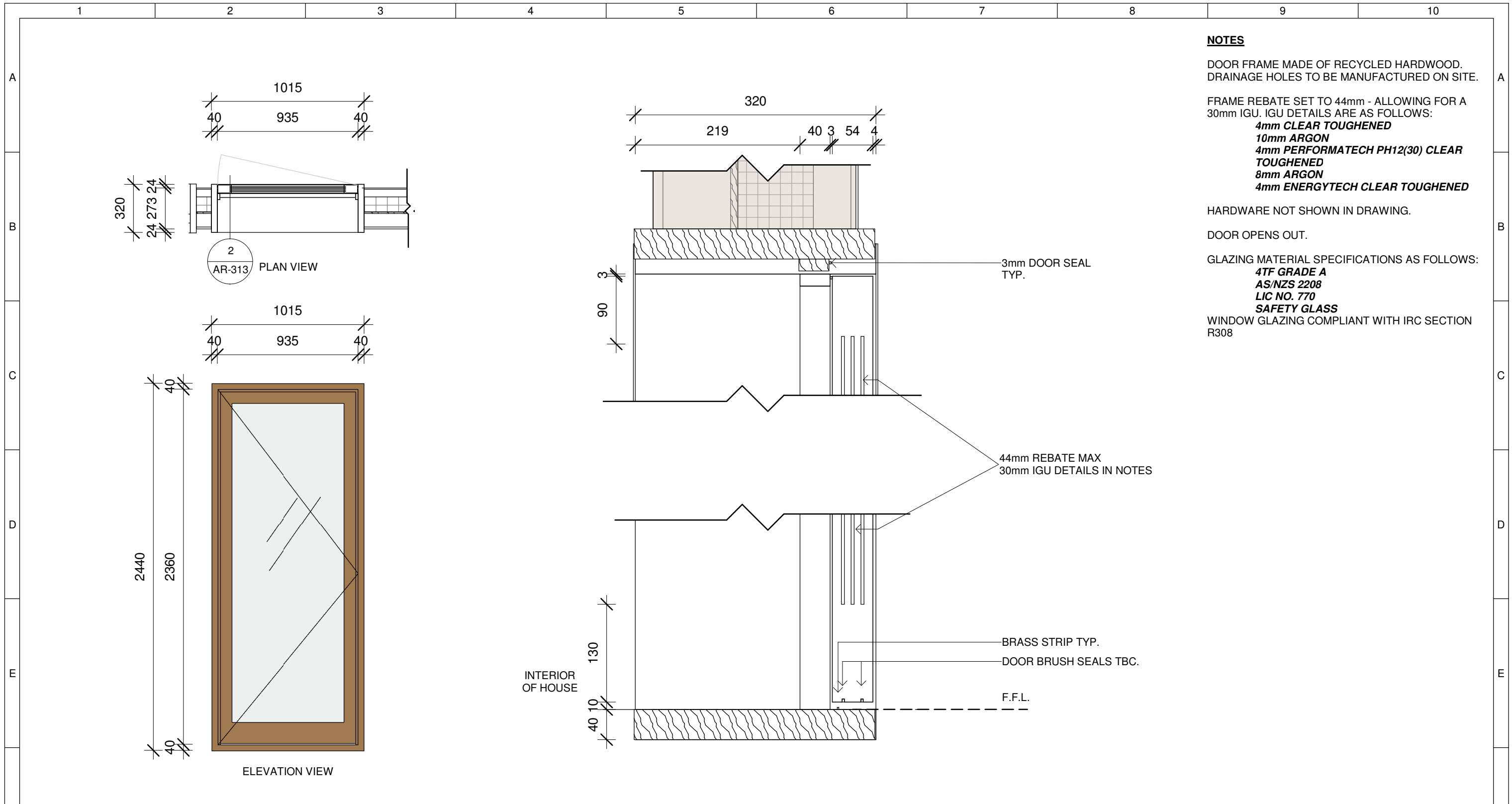
**1** Door Detailing (D1)  
1 : 25

**2** Frame Details (D1)  
1 : 5

**3** Rebated Door Section (D1)  
1 : 5

	<b>Team:</b> TEAM UOW <b>Address:</b> UNIVERSITY OF WOLLONGONG WOLLONGONG NSW, AUSTRALIA 2522 <b>Contact:</b> sd-2018@uow.edu.au www.desertrosehouse.com.au	<b>Client:</b> Dubai Electricity and Water Authority 	<b>AMENDMENTS</b> <table border="1"> <thead> <tr> <th>REV.</th> <th>DESCRIPTION</th> <th>DATE</th> <th>DRAWN</th> <th>CHECK</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Updated Plans and Detailing</td> <td>19/01/18</td> <td>VP</td> <td>JR</td> </tr> <tr> <td>2</td> <td>Plan Views and Annotations</td> <td>29/01/18</td> <td>VP</td> <td>JR</td> </tr> <tr> <td>3</td> <td>Updated Plans, Detailing and Template Adjustments</td> <td>01/02/18</td> <td>VP</td> <td>JR</td> </tr> <tr> <td>4</td> <td>Updated Detailing</td> <td>26/02/18</td> <td>LF</td> <td>CM</td> </tr> <tr> <td>5</td> <td>Updated to As-Built</td> <td>14/09/18</td> <td>VP</td> <td>JR</td> </tr> </tbody> </table>	REV.	DESCRIPTION	DATE	DRAWN	CHECK	1	Updated Plans and Detailing	19/01/18	VP	JR	2	Plan Views and Annotations	29/01/18	VP	JR	3	Updated Plans, Detailing and Template Adjustments	01/02/18	VP	JR	4	Updated Detailing	26/02/18	LF	CM	5	Updated to As-Built	14/09/18	VP	JR	<b>COPYRIGHT</b> None; Project is Public LOT # M DRAWER L.FAIDUTTI CHECKED C.MCDOWELL DATE 20 February, 2018 SCALE As indicated @ A3	<b>DOOR DETAILING (D1)</b>  <b>AR-312</b> SHEET: 01 OF 01
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2	Plan Views and Annotations	29/01/18	VP	JR																															
3	Updated Plans, Detailing and Template Adjustments	01/02/18	VP	JR																															
4	Updated Detailing	26/02/18	LF	CM																															
5	Updated to As-Built	14/09/18	VP	JR																															
1 2 3 4 5 6 7 8 9 10																																			





**NOTES**

DOOR FRAME MADE OF RECYCLED HARDWOOD.  
DRAINAGE HOLES TO BE MANUFACTURED ON SITE.

FRAME REBATE SET TO 44mm - ALLOWING FOR A 30mm IGU. IGU DETAILS ARE AS FOLLOWS:  
**4mm CLEAR TOUGHENED**  
**10mm ARGON**  
**4mm PERFORMATECH PH12(30) CLEAR TOUGHENED**  
**8mm ARGON**  
**4mm ENERGYTECH CLEAR TOUGHENED**

HARDWARE NOT SHOWN IN DRAWING.

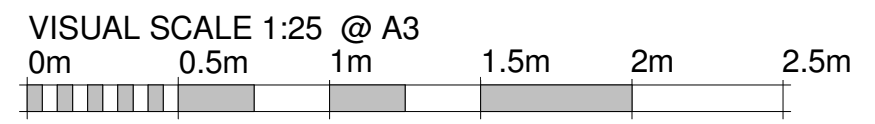
DOOR OPENS OUT.

GLAZING MATERIAL SPECIFICATIONS AS FOLLOWS:  
**4TF GRADE A**  
**AS/NZS 2208**  
**LIC NO. 770**  
**SAFETY GLASS**

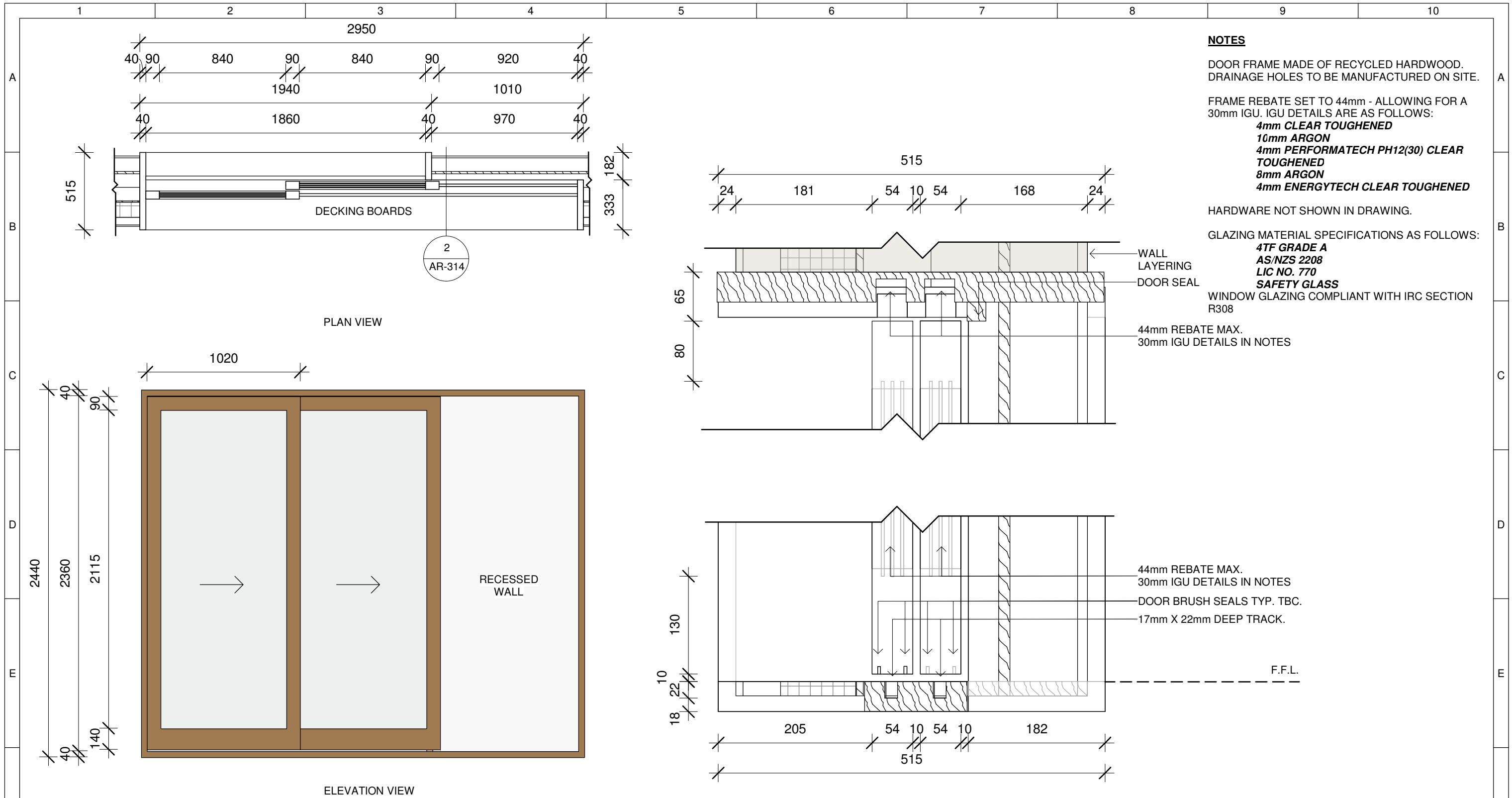
WINDOW GLAZING COMPLIANT WITH IRC SECTION R308

**1** Door Detailing (D2)  
1 : 25

**2** Frame Details (D2)  
1 : 5



	<b>Team:</b> TEAM UOW <b>Address:</b> UNIVERSITY OF WOLLONGONG WOLLONGONG NSW, AUSTRALIA 2522 <b>Contact:</b> sd-2018@uow.edu.au www.desertrosehouse.com.au	<b>Client:</b> Dubai Electricity and Water Authority 	<b>AMENDMENTS</b> <table border="1"> <thead> <tr> <th>REV.</th> <th>DESCRIPTION</th> <th>DATE</th> <th>DRAWN</th> <th>CHECK</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Updated Plans and Detailing</td> <td>19/01/18</td> <td>VP</td> <td>JR</td> </tr> <tr> <td>2</td> <td>Updated Plans and Detailing</td> <td>07/02/18</td> <td>JR</td> <td>VP</td> </tr> <tr> <td>3</td> <td>Updated Detailing</td> <td>26/02/18</td> <td>LF</td> <td>CM</td> </tr> <tr> <td>4</td> <td>Updated to As-Built</td> <td>14/09/18</td> <td>VP</td> <td>JR</td> </tr> </tbody> </table>	REV.	DESCRIPTION	DATE	DRAWN	CHECK	1	Updated Plans and Detailing	19/01/18	VP	JR	2	Updated Plans and Detailing	07/02/18	JR	VP	3	Updated Detailing	26/02/18	LF	CM	4	Updated to As-Built	14/09/18	VP	JR	<b>COPYRIGHT</b> None; Project is Public LOT # M DRAWER L.FAIDUTTI CHECKED C.MCDOWELL DATE 20 February, 2018 SCALE As indicated @ A3	<b>DOOR DETAILING (D2)</b>  <b>AR-313</b> SHEET: 01 OF 01
	REV.	DESCRIPTION	DATE	DRAWN	CHECK																									
1	Updated Plans and Detailing	19/01/18	VP	JR																										
2	Updated Plans and Detailing	07/02/18	JR	VP																										
3	Updated Detailing	26/02/18	LF	CM																										
4	Updated to As-Built	14/09/18	VP	JR																										
VISUAL SCALE 1:25 @ A3 0m 0.5m 1m 1.5m 2m 2.5m																														



**NOTES**

DOOR FRAME MADE OF RECYCLED HARDWOOD.  
DRAINAGE HOLES TO BE MANUFACTURED ON SITE.

FRAME REBATE SET TO 44mm - ALLOWING FOR A 30mm IGU. IGU DETAILS ARE AS FOLLOWS:  
**4mm CLEAR TOUGHENED**  
**10mm ARGON**  
**4mm PERFORMATECH PH12(30) CLEAR TOUGHENED**  
**8mm ARGON**  
**4mm ENERGYTECH CLEAR TOUGHENED**

HARDWARE NOT SHOWN IN DRAWING.

GLAZING MATERIAL SPECIFICATIONS AS FOLLOWS:  
**4TF GRADE A**  
**AS/NZS 2208**  
**LIC NO. 770**  
**SAFETY GLASS**  
 WINDOW GLAZING COMPLIANT WITH IRC SECTION R308

# 1 Door Detailing (D3)

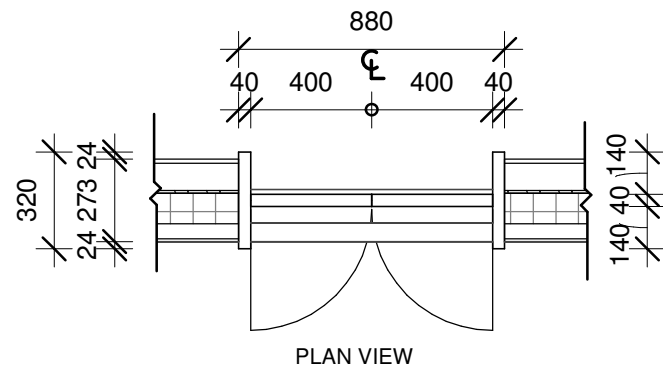
1 : 25

# 2 Frame Details (D3)

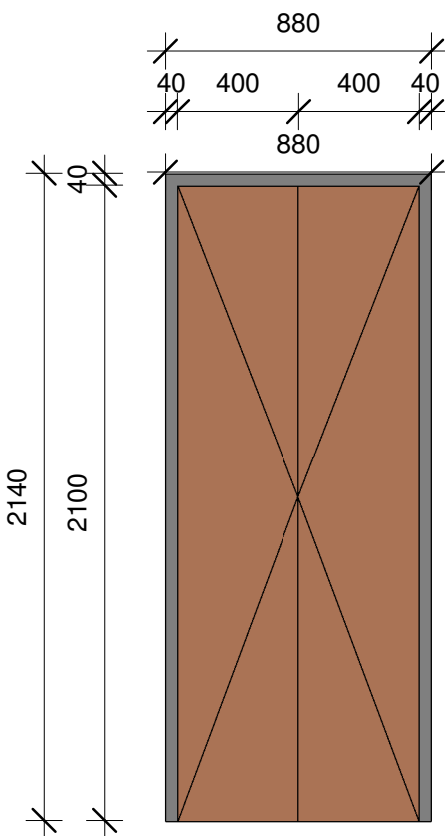
1 : 5



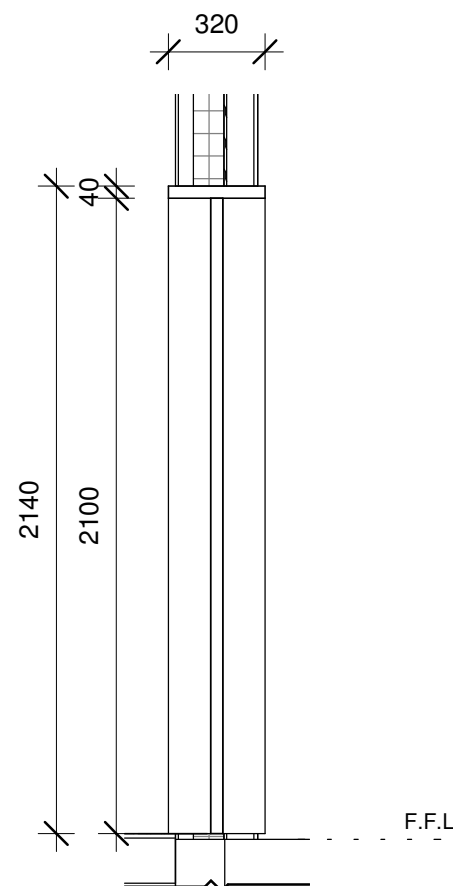
	<b>Team:</b> TEAM UOW <b>Address:</b> UNIVERSITY OF WOLLONGONG WOLLONGONG NSW, AUSTRALIA 2522 <b>Contact:</b> sd-2018@uow.edu.au www.desertrosehouse.com.au	<b>Client:</b> Dubai Electricity and Water Authority 	<b>AMENDMENTS</b> <table border="1"> <thead> <tr> <th>REV.</th> <th>DESCRIPTION</th> <th>DATE</th> <th>DRAWN</th> <th>CHECK</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Updated Plans and Detailing</td> <td>19/01/18</td> <td>VP</td> <td>JR</td> </tr> <tr> <td>2</td> <td>Updated Plans and Detailing</td> <td>07/02/18</td> <td>JR</td> <td>VP</td> </tr> <tr> <td>3</td> <td>Updated Detailing</td> <td>26/02/18</td> <td>LF</td> <td>CM</td> </tr> <tr> <td>4</td> <td>Updated to As-Built</td> <td>14/09/18</td> <td>VP</td> <td>JR</td> </tr> </tbody> </table>	REV.	DESCRIPTION	DATE	DRAWN	CHECK	1	Updated Plans and Detailing	19/01/18	VP	JR	2	Updated Plans and Detailing	07/02/18	JR	VP	3	Updated Detailing	26/02/18	LF	CM	4	Updated to As-Built	14/09/18	VP	JR	<b>COPYRIGHT</b> None; Project is Public LOT # M DRAWER L.FAIDUTTI CHECKED C.MCDOWELL DATE 20 February, 2018 SCALE As indicated @ A3	<b>DOOR DETAILING (D3)</b>  <b>AR-314</b> SHEET: 01 OF 01
	REV.	DESCRIPTION	DATE	DRAWN	CHECK																									
1	Updated Plans and Detailing	19/01/18	VP	JR																										
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3	Updated Detailing	26/02/18	LF	CM																										
4	Updated to As-Built	14/09/18	VP	JR																										



PLAN VIEW



ELEVATION VIEW



DETAILED VIEW

**NOTES**

DOOR MANUFACTURED BY AUSFLAM FIRE SYSTEMS PTY LTD. TO A 2HR FIRE RATING AS SPECIFIED IN **SDME RULES AND BUILDING CODE V4.**

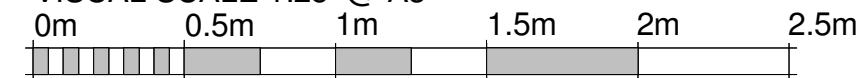
PRODUCT INFORMATION:

**2 x 400Wmm x 2097Hmm 2HR DOUBLE DOOR AND RETRO FIT FRAME AFS FR270**

**1 Door Detailing (D4)**

1 : 25

VISUAL SCALE 1:25 @ A3



**Desert Rose**  
Team UOW  
Australia - Dubai

Team: TEAM UOW

Address: UNIVERSITY OF WOLLONGONG  
WOLLONGONG  
NSW, AUSTRALIA 2522

Contact: sd-2018@uow.edu.au  
www.desertrosehouse.com.au

Client:

Dubai Electricity and Water Authority



AMENDMENTS

REV.	DESCRIPTION	DATE	DRAWN	CHECK
1	Updated Plans and Detailing	19/01/18	VP	JR
2	Plan Views and Annotations	29/01/18	VP	JR
3	Updated Plans, Detailing and Template Adjustments	01/02/18	VP	JR
4	Updated to As-Built	14/09/18	VP	JR

COPYRIGHT

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LOT # M

DRAWER V. PHAM

CHECKED J. ROTH

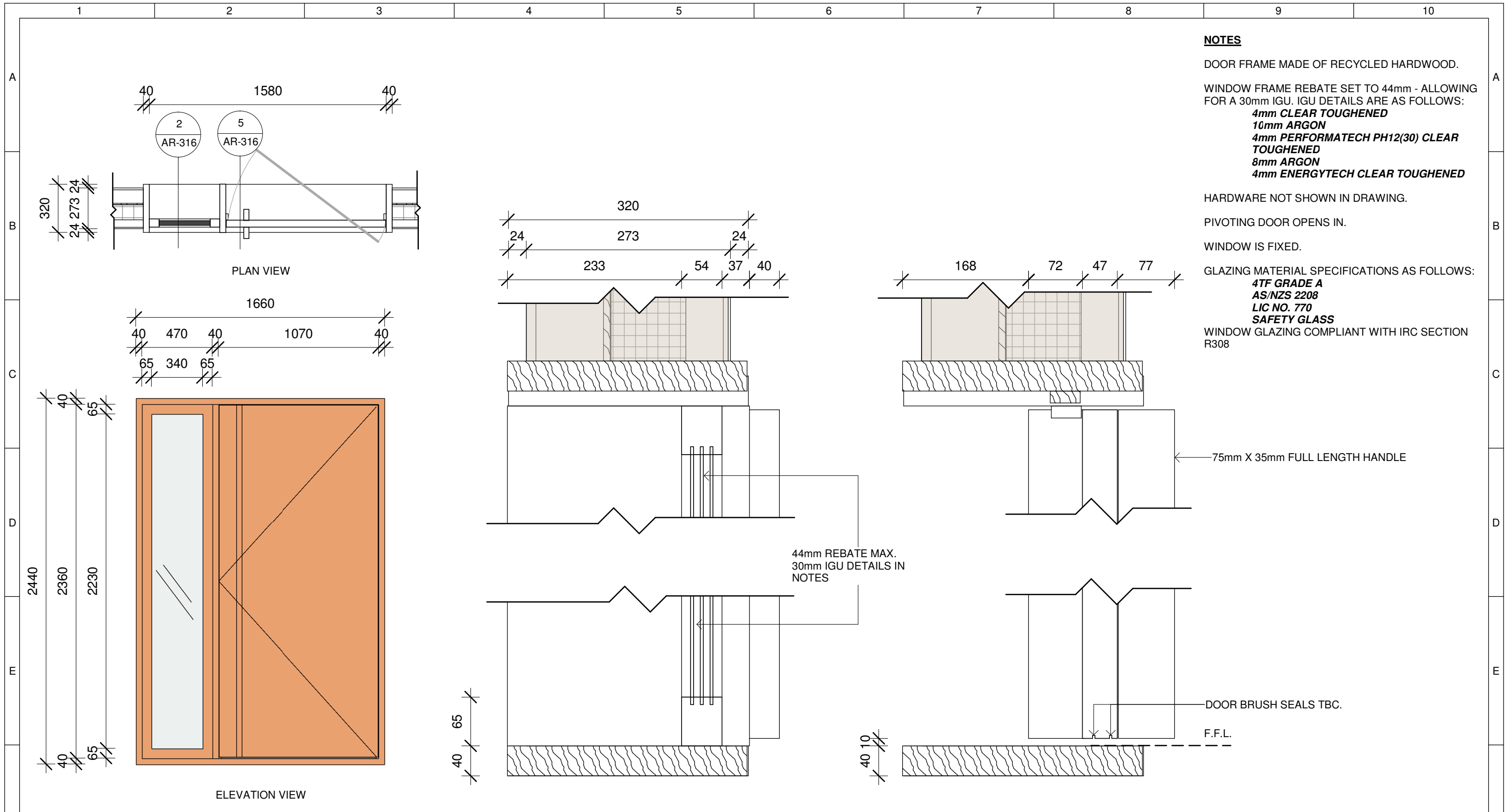
DATE 20 February, 2018

SCALE 1 : 25 @ A3

**DOOR DETAILING (D4)**

SHEET:  
01 OF 01

**AR-315**



**NOTES**

DOOR FRAME MADE OF RECYCLED HARDWOOD.

WINDOW FRAME REBATE SET TO 44mm - ALLOWING FOR A 30mm IGU. IGU DETAILS ARE AS FOLLOWS:  
**4mm CLEAR TOUGHENED**  
**10mm ARGON**  
**4mm PERFORMATECH PH12(30) CLEAR TOUGHENED**  
**8mm ARGON**  
**4mm ENERGYTECH CLEAR TOUGHENED**

HARDWARE NOT SHOWN IN DRAWING.

PIVOTING DOOR OPENS IN.

WINDOW IS FIXED.

GLAZING MATERIAL SPECIFICATIONS AS FOLLOWS:  
**4TF GRADE A**  
**AS/NZS 2208**  
**LIC NO. 770**  
**SAFETY GLASS**

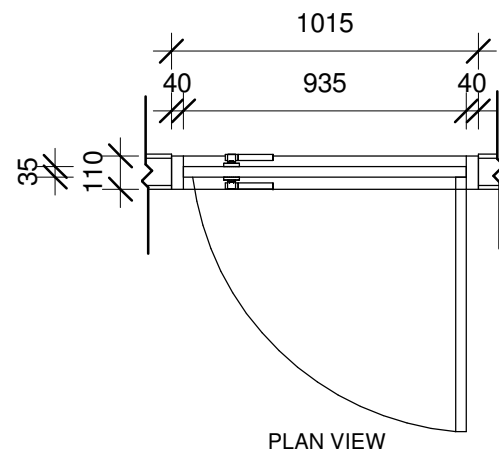
WINDOW GLAZING COMPLIANT WITH IRC SECTION R308

**1** Door Detailing (D5)  
1 : 25

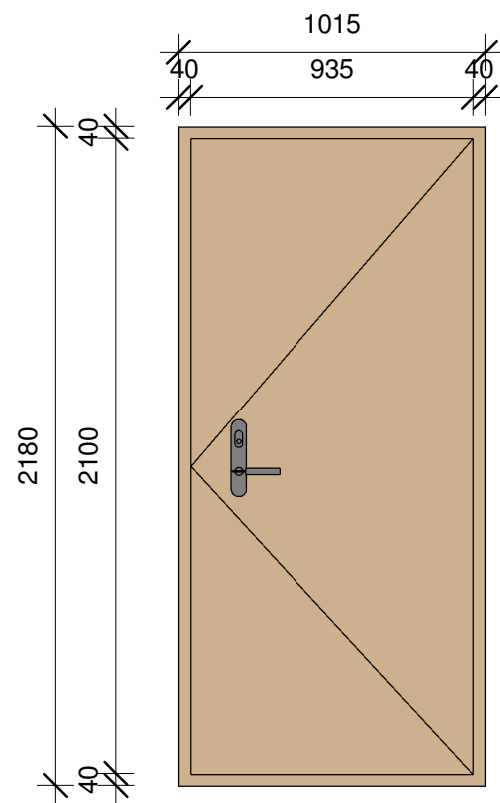
**2** Window Frame Details (D5)  
1 : 5

**3** Door Frame Details (D5)  
1 : 5

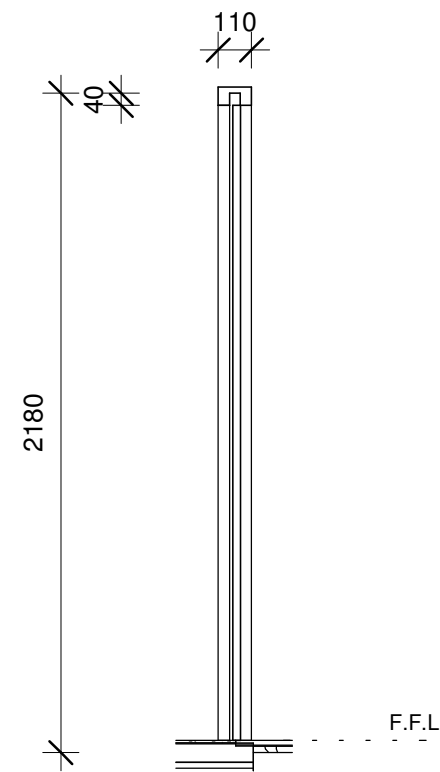
	Team: TEAM UOW	Client: Dubai Electricity and Water Authority 	AMENDMENTS				COPYRIGHT		DOOR DETAILING (D5)  <b>AR-316</b>
	Address: UNIVERSITY OF WOLLONGONG WOLLONGONG NSW, AUSTRALIA 2522		REV. DESCRIPTION	DATE	DRAWN	CHECK	None; Project is Public		
	Contact: sd-2018@uow.edu.au www.desertrosehouse.com.au		1 Updated Plans and Detailing	19/01/18	VP	JR	LOT	# M	
			2 Rearrange views on sheet	01/02/18	CE	JR	DRAWER	L.FAIDUTTI	
			3 Updated Plans, Detailing and Template Adjustments	01/02/18	VP	JR	CHECKED	C.MCDOWELL	
	4 Updated Detailing	26/02/18	LF	CM	DATE	20 February, 2018			
	5 Updated to As-Built	14/09/18	VP	JR	SCALE	As indicated @ A3			
SHEET: 01 OF 01									



PLAN VIEW



ELEVATION VIEW



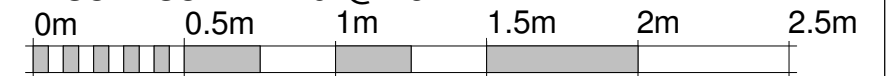
DETAILED VIEW

# Door Detailing (D6)

1

1 : 25

VISUAL SCALE 1:25 @ A3



Team: TEAM UOW  
 Address: UNIVERSITY OF WOLLONGONG  
 WOLLONGONG  
 NSW, AUSTRALIA 2522  
 Contact: sd-2018@uow.edu.au  
 www.desertrosehouse.com.au



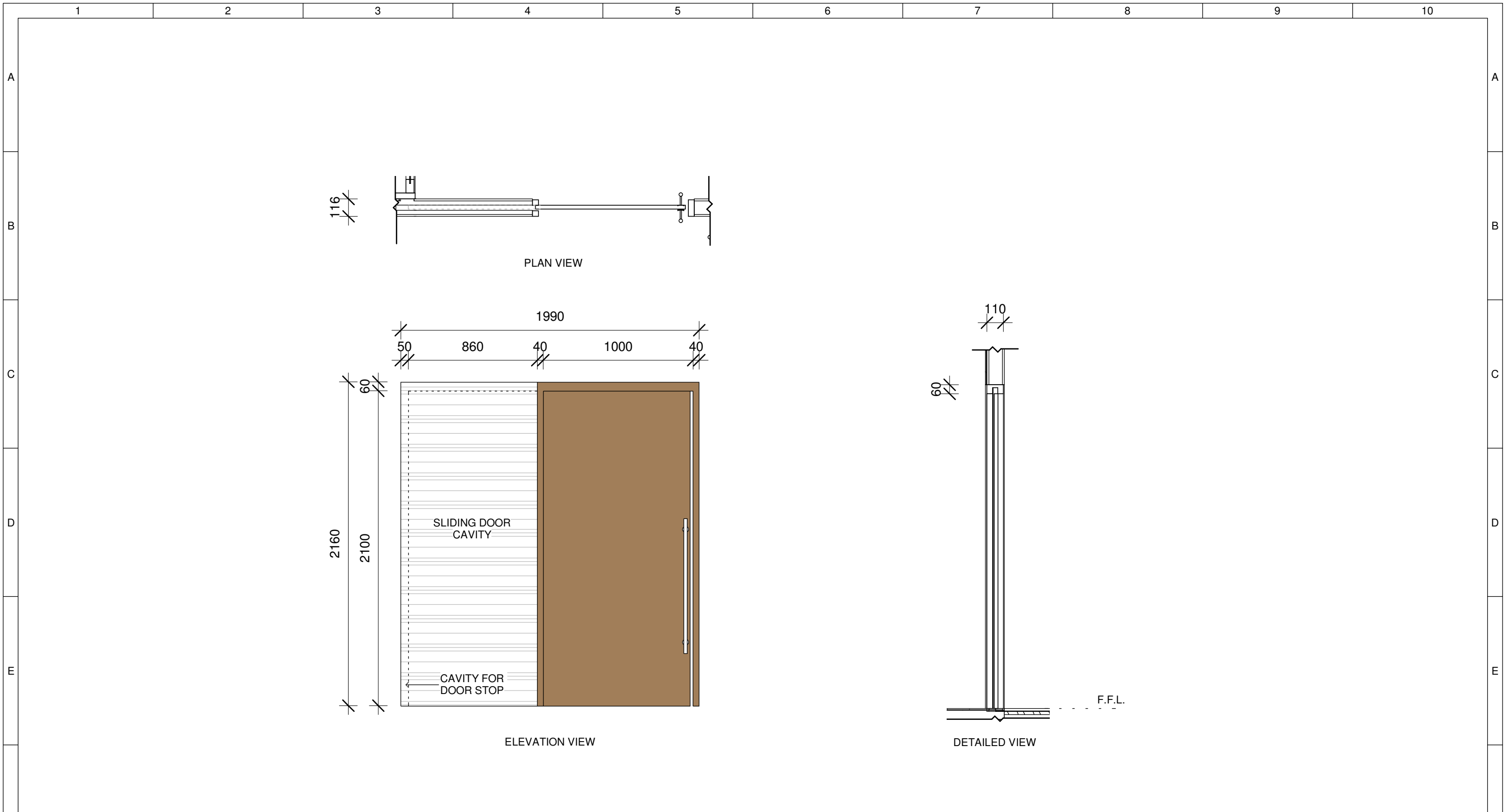
AMENDMENTS					
REV.	DESCRIPTION	DATE	DRAWN	CHECK	
1	Updated Plans and Detailing	07/02/18	JR	VP	
2	Updated to As-Built	14/09/18	VP	JR	

COPYRIGHT	
None; Project is Public	
LOT	# M
DRAWER	V. PHAM
CHECKED	J. ROTH
DATE	20 February, 2018
SCALE	1 : 25 @ A3

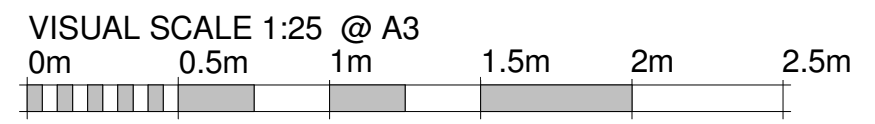
DOOR DETAILING (D6)

SHEET: 01 OF 01

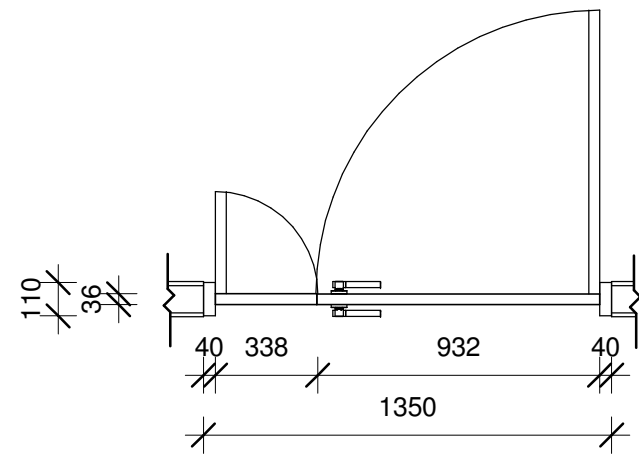
AR-317



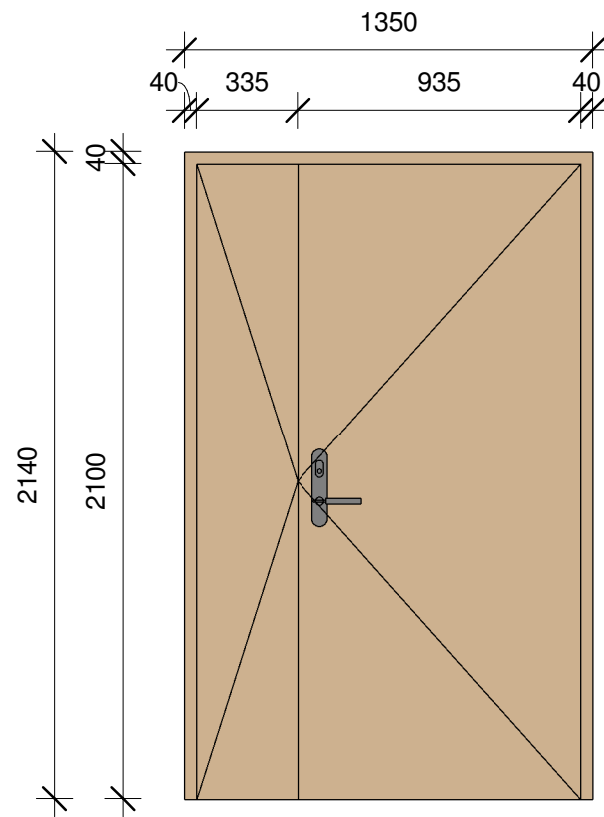
**1** Door Detailing (D7)  
1 : 25



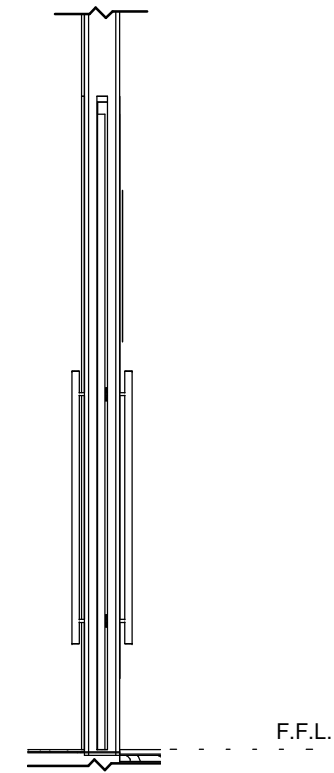
	<b>Team:</b> TEAM UOW <b>Address:</b> UNIVERSITY OF WOLLONGONG WOLLONGONG NSW, AUSTRALIA 2522	<b>Client:</b> Dubai Electricity and Water Authority 	<b>AMENDMENTS</b>				<b>COPYRIGHT</b> None; Project is Public		<b>DOOR DETAILING (D7)</b>  <b>AR-318</b>																			
	<b>Contact:</b> sd-2018@uow.edu.au www.desertrosehouse.com.au		<table border="1"> <thead> <tr> <th>REV.</th> <th>DESCRIPTION</th> <th>DATE</th> <th>DRAWN</th> <th>CHECK</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Updated Plans and Detailing</td> <td>19/01/18</td> <td>VP</td> <td>JR</td> </tr> <tr> <td>2</td> <td>Plan Views and Annotations</td> <td>29/01/18</td> <td>VP</td> <td>JR</td> </tr> <tr> <td>3</td> <td>Updated Plans, Detailing and Template Adjustments</td> <td>01/02/18</td> <td>VP</td> <td>JR</td> </tr> <tr> <td>4</td> <td>Updated to As-Built</td> <td>14/09/18</td> <td>VP</td> <td>JR</td> </tr> </tbody> </table>	REV.	DESCRIPTION	DATE	DRAWN	CHECK		1	Updated Plans and Detailing	19/01/18	VP	JR	2	Plan Views and Annotations	29/01/18	VP	JR	3	Updated Plans, Detailing and Template Adjustments	01/02/18	VP	JR	4	Updated to As-Built	14/09/18	VP
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PLAN VIEW



ELEVATION VIEW



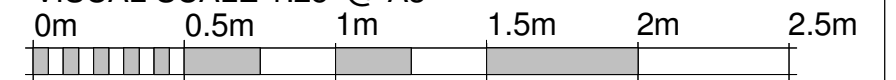
DETAILED VIEW

# Door Detailing (D8)

1

1 : 25

VISUAL SCALE 1:25 @ A3



**Desert Rose**  
Team UOW  
Australia - Dubai

Team: TEAM UOW

Address: UNIVERSITY OF WOLLONGONG  
WOLLONGONG  
NSW, AUSTRALIA 2522

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Client:

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### AMENDMENTS

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1	Updated Plans and Detailing	19/01/18	VP	JR
2	Plan Views and Annotations	29/01/18	VP	JR
3	Updated Plans, Detailing and Template Adjustments	01/02/18	VP	JR
4	Updated to As-Built	14/09/18	VP	JR

### COPYRIGHT

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LOT # M

DRAWER V. PHAM

CHECKED J. ROTH

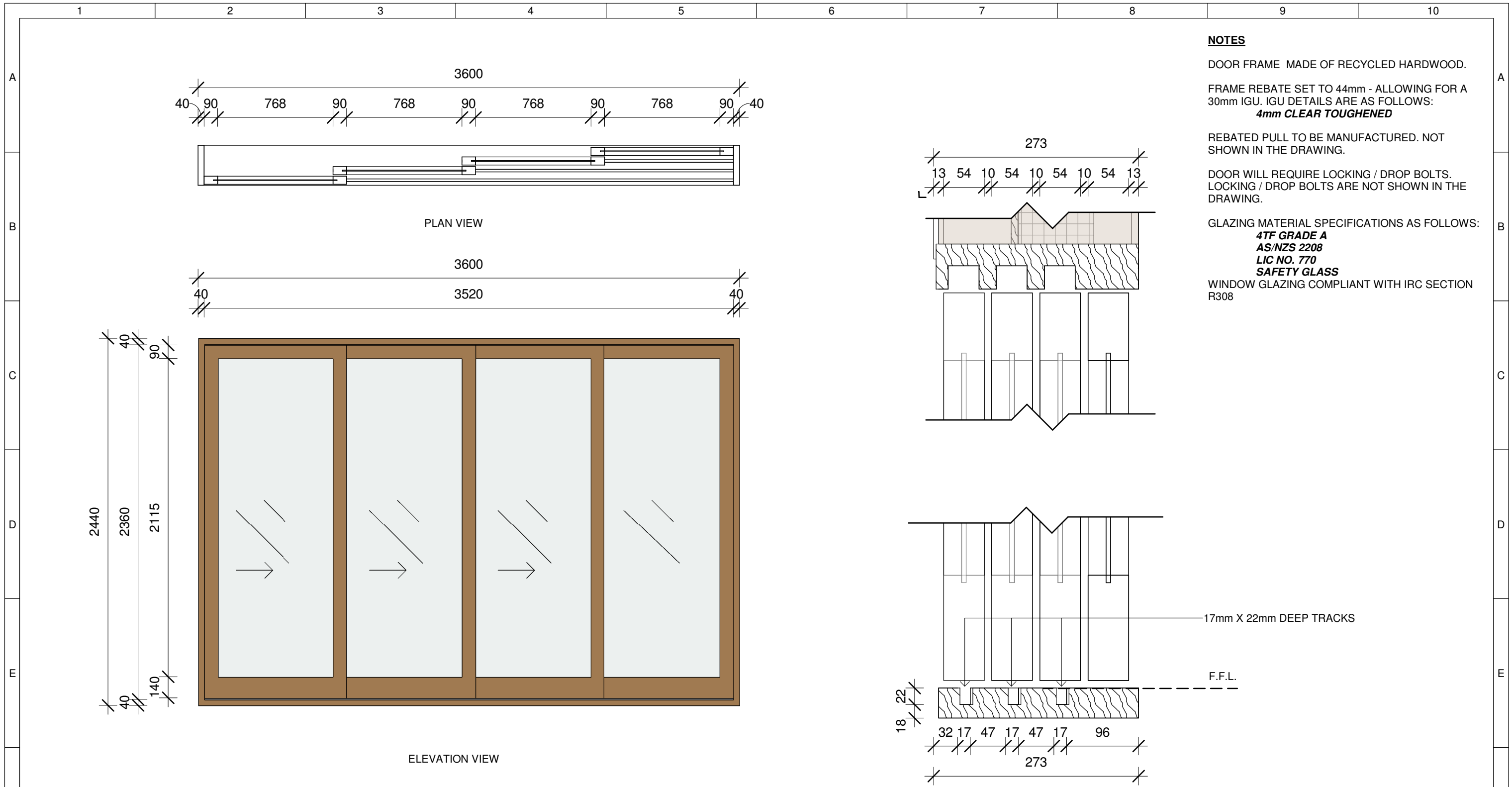
DATE 20 February, 2018

SCALE 1 : 25 @ A3

**DOOR DETAILING (D8)**

SHEET:  
01 OF 01

**AR-319**



**NOTES**

DOOR FRAME MADE OF RECYCLED HARDWOOD.

FRAME REBATE SET TO 44mm - ALLOWING FOR A 30mm IGU. IGU DETAILS ARE AS FOLLOWS:  
**4mm CLEAR TOUGHENED**

REBATED PULL TO BE MANUFACTURED. NOT SHOWN IN THE DRAWING.

DOOR WILL REQUIRE LOCKING / DROP BOLTS. LOCKING / DROP BOLTS ARE NOT SHOWN IN THE DRAWING.

GLAZING MATERIAL SPECIFICATIONS AS FOLLOWS:  
**4TF GRADE A**  
**AS/NZS 2208**  
**LIC NO. 770**  
**SAFETY GLASS**

WINDOW GLAZING COMPLIANT WITH IRC SECTION R308

**1** Door Detailing (D9)  
1 : 25

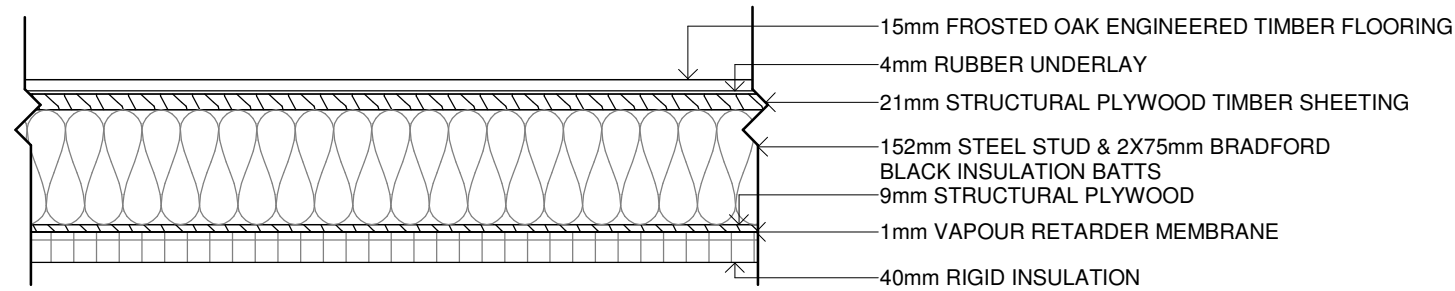
**2** Frame Details (D9)  
1 : 5  
VISUAL SCALE 1:25 @ A3  
0m 0.5m 1m 1.5m 2m 2.5m

	<b>Team:</b> TEAM UOW <b>Address:</b> UNIVERSITY OF WOLLONGONG WOLLONGONG NSW, AUSTRALIA 2522	<b>Client:</b> Dubai Electricity and Water Authority 	<b>AMENDMENTS</b>				<b>COPYRIGHT</b> None; Project is Public		<b>DOOR DETAILING (D9)</b>  <b>AR-320</b>																													
	<b>Contact:</b> sd-2018@uow.edu.au www.desertrosehouse.com.au		<table border="1"> <thead> <tr> <th>REV.</th> <th>DESCRIPTION</th> <th>DATE</th> <th>DRAWN</th> <th>CHECK</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Updated Plans and Detailing</td> <td>19/01/18</td> <td>VP</td> <td>JR</td> </tr> <tr> <td>2</td> <td>Updated Plans and Detailing</td> <td>07/02/18</td> <td>JR</td> <td>VP</td> </tr> <tr> <td>3</td> <td>Updated Detailing</td> <td>26/02/18</td> <td>LF</td> <td>CM</td> </tr> <tr> <td>4</td> <td>Updated to As-Built</td> <td>14/09/18</td> <td>VP</td> <td>JR</td> </tr> </tbody> </table>	REV.	DESCRIPTION	DATE	DRAWN	CHECK		1	Updated Plans and Detailing	19/01/18	VP	JR	2	Updated Plans and Detailing	07/02/18	JR	VP	3	Updated Detailing	26/02/18	LF	CM	4	Updated to As-Built	14/09/18	VP	JR	<table border="1"> <thead> <tr> <th>LOT</th> <th># M</th> </tr> </thead> <tbody> <tr> <td>DRAWER</td> <td>L.FAIDUTTI</td> </tr> <tr> <td>CHECKED</td> <td>C.MCDOWELL</td> </tr> <tr> <td>DATE</td> <td>20 February, 2018</td> </tr> <tr> <td>SCALE</td> <td>As indicated @ A3</td> </tr> </tbody> </table>	LOT	# M	DRAWER	L.FAIDUTTI	CHECKED	C.MCDOWELL	DATE	20 February, 2018
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DATE	20 February, 2018																																					
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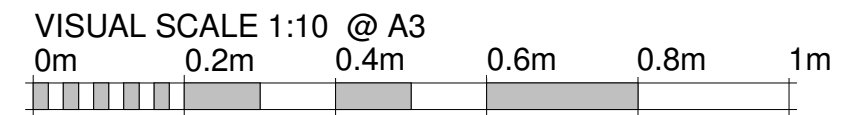


**FLOOR CONSTRUCTION DETAILS**

THICKNESS (mm)	MATERIAL	THERMAL CONDUCTIVITY (W/mK)	FIRE RATING CLASS*
19	FROSTED OAK ENGINEERED TIMBER FLOORING	0.13	-
4	RUBBER UNDERLAY	0.83	-
21	STRUCTURAL PLYWOOD TIMBER SHEETING	0.13	C
152	STEEL STUD & SOFT INSULATION	0.035	A
9	STRUCTURAL PLYWOOD	0.13	C
1	VAPOUR RETARDER MEMBRANE	2.3	B
40	RIGID INSULATION	0.028	A
<b>TOTAL THICKNESS</b>	<b>242 mm</b>		
<b>R-VALUE</b>	<b>6.12 m<sup>2</sup>K/W</b>		



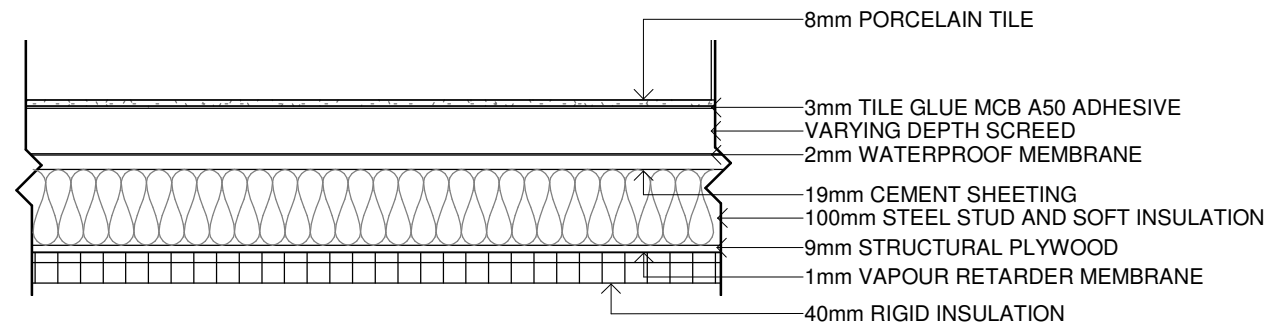
**1 Interior Floor Detail**  
1 : 10



	<b>Team:</b> TEAM UOW <b>Address:</b> UNIVERSITY OF WOLLONGONG WOLLONGONG NSW, AUSTRALIA 2522	<b>Client:</b> Dubai Electricity and Water Authority 	<b>AMENDMENTS</b>				<b>COPYRIGHT</b> None; Project is Public		<b>FLOOR CONSTRUCTION DETAILS</b>																			
	<b>Contact:</b> sd-2018@uow.edu.au www.desertrosehouse.com.au		<table border="1"> <thead> <tr> <th>REV.</th> <th>DESCRIPTION</th> <th>DATE</th> <th>DRAWN</th> <th>CHECK</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Updated Plans, Detailing and Template Adjustments</td> <td>01/02/18</td> <td>JR</td> <td>VP</td> </tr> <tr> <td>2</td> <td>Updated to As-Built</td> <td>14/09/18</td> <td>VP</td> <td>JR</td> </tr> </tbody> </table>	REV.	DESCRIPTION	DATE	DRAWN	CHECK		1	Updated Plans, Detailing and Template Adjustments	01/02/18	JR	VP	2	Updated to As-Built	14/09/18	VP	JR	<table border="1"> <tbody> <tr> <td>LOT</td> <td># M</td> </tr> <tr> <td>DRAWER</td> <td>C.EIO</td> </tr> <tr> <td>CHECKED</td> <td>J.ROTH</td> </tr> <tr> <td>DATE</td> <td>20 February, 2018</td> </tr> <tr> <td>SCALE</td> <td>1 : 10 @ A3</td> </tr> </tbody> </table>	LOT	# M	DRAWER	C.EIO	CHECKED	J.ROTH	DATE	20 February, 2018
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CHECKED	J.ROTH																											
DATE	20 February, 2018																											
SCALE	1 : 10 @ A3																											

**FLOOR CONSTRUCTION DETAILS**

THICKNESS (mm)	MATERIAL	THERMAL CONDUCTIVITY (W/mK)	FIRE RATING CLASS*
8	PORCELAIN TILE	1.5	-
3	TILE GLUE MCB A50 ADHESIVE		
VARYING	SCREED	0.13	C
2	WATERPROOF MEMBRANE		
19	CEMENT SHEETING	0.5	A
100	STEEL STUD & SOFT INSULATION	0.035	C
9	STRUCTURAL PLYWOOD	0.13	C
1	VAPOUR RETARDER MEMBRANE	2.3	B
40	RIGID INSULATION	0.028	A
<b>TOTAL THICKNESS</b>	<b>232 mm</b>		
<b>R-VALUE</b>	<b>5.10 m<sup>2</sup>K/W</b>		



1

**Bathroom and W/C Floor**

1 : 10



**Desert Rose**  
Team UOW  
Australia - Dubai

Team: TEAM UOW

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WOLLONGONG  
NSW, AUSTRALIA 2522

Contact: sd-2018@uow.edu.au  
www.desertrosehouse.com.au

Client:

Dubai Electricity and Water Authority



AMENDMENTS

REV.	DESCRIPTION	DATE	DRAWN	CHECK
1	Updated to As-Built	14/09/18	VP	JR

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LOT	# M
DRAWER	J. ROTH
CHECKED	V. PHAM
DATE	20 February, 2018
SCALE	1 : 10 @ A3

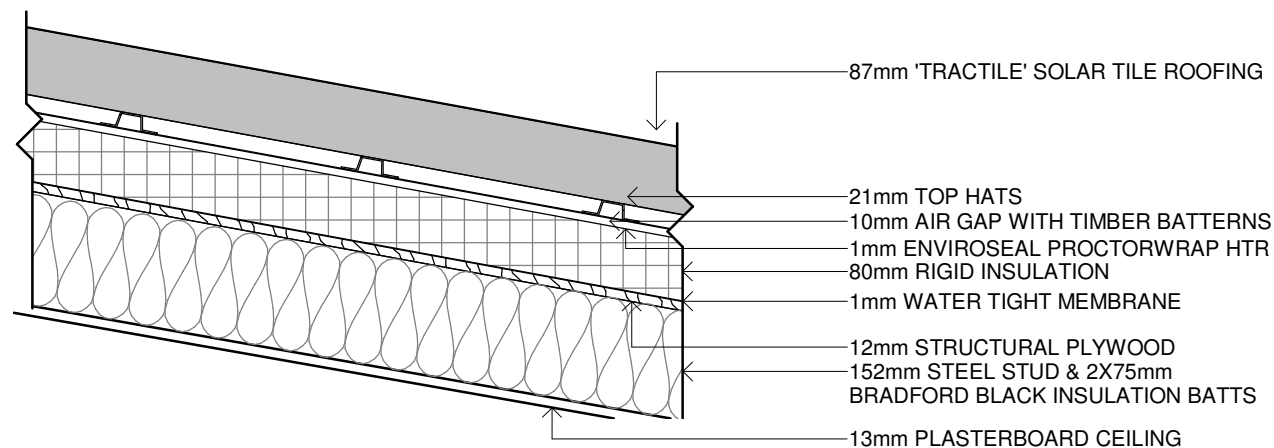
**BATHROOM AND W/C FLOOR DETAILS**

SHEET:

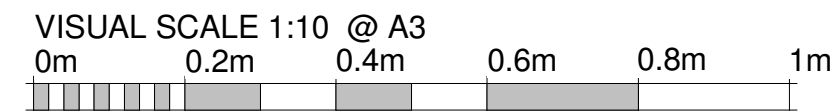
**AR-322**

**RAKED ROOF CONSTRUCTION DETAILS**

THICKNESS (mm)	MATERIAL	THERMAL CONDUCTIVITY (W/mK)
87	'TRACTILE' SOLAR TILE ROOFING	-
21	TOP HATS	-
10	AIR GAP	0.028
1	ENVIROSEAL PROCTORWRAP HTR	-
80	RIGID INSULATION	0.13
1	WATER TIGHT MEMBRANE	2.4
12	STRUCTURAL PLYWOOD	0.13
152	STEEL STUD & SOFT INSULATION	0.035
13	PLASTERBOARD CEILING	0.16
<b>TOTAL THICKNESS</b>	<b>372 mm</b>	
<b>R-VALUE</b>	<b>4.99 m<sup>2</sup>K/W</b>	



**1** 10Deg Roof (Raked Ceiling)  
1 : 10

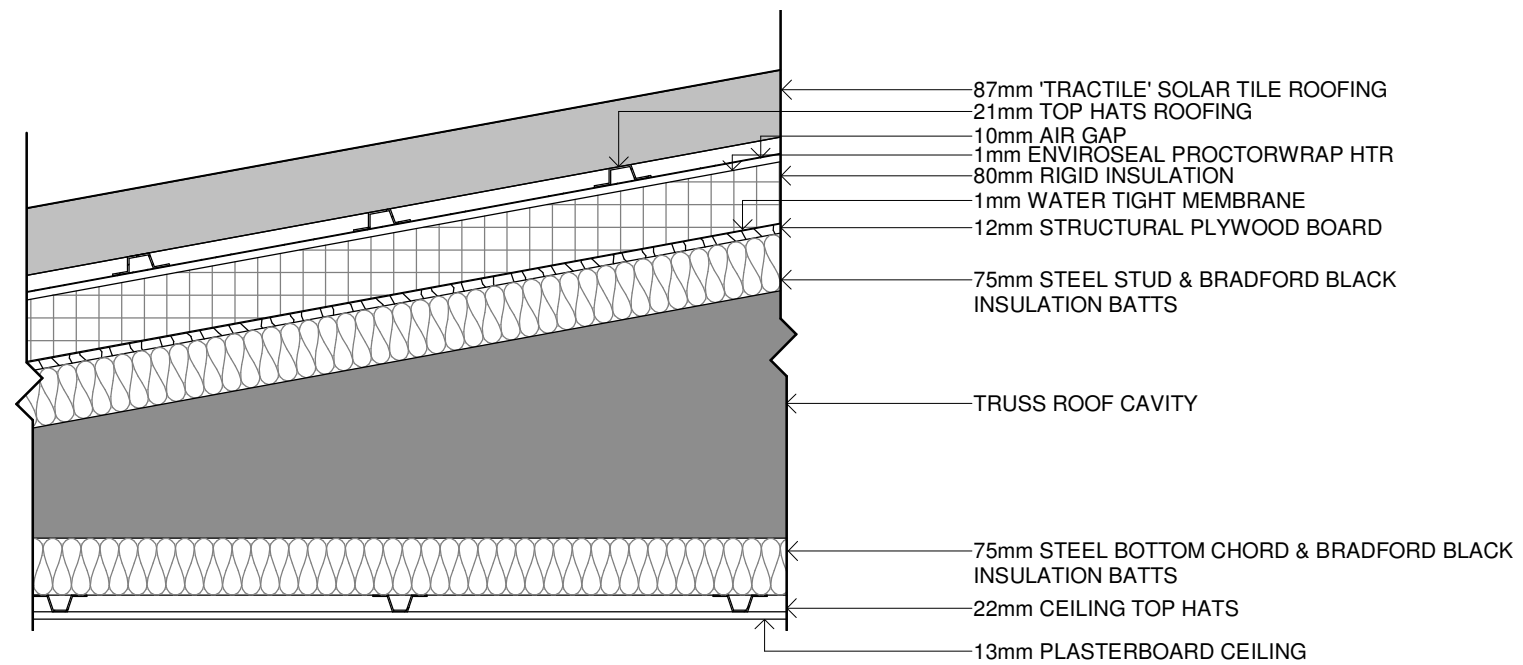


	<b>Team:</b> TEAM UOW <b>Address:</b> UNIVERSITY OF WOLLONGONG WOLLONGONG NSW, AUSTRALIA 2522	<b>Client:</b> Dubai Electricity and Water Authority 	<b>AMENDMENTS</b>				<b>COPYRIGHT</b> None; Project is Public		<b>ROOF DETAILS - 10DEG ROOF</b>																			
	<b>Contact:</b> sd-2018@uow.edu.au www.desertrosehouse.com.au		<table border="1"> <thead> <tr> <th>REV.</th> <th>DESCRIPTION</th> <th>DATE</th> <th>DRAWN</th> <th>CHECK</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Updated Plans, Template Adjustments, Removed Tractile Info.</td> <td>01/02/18</td> <td>JR</td> <td>VP</td> </tr> <tr> <td>2</td> <td>Updated to As-Built</td> <td>14/09/18</td> <td>VP</td> <td>JR</td> </tr> </tbody> </table>	REV.	DESCRIPTION	DATE	DRAWN	CHECK		1	Updated Plans, Template Adjustments, Removed Tractile Info.	01/02/18	JR	VP	2	Updated to As-Built	14/09/18	VP	JR	<table border="1"> <tr> <td>LOT</td> <td># M</td> </tr> <tr> <td>DRAWER</td> <td>C.EIO</td> </tr> <tr> <td>CHECKED</td> <td>L.FAIDUTTI</td> </tr> <tr> <td>DATE</td> <td>20 February, 2018</td> </tr> <tr> <td>SCALE</td> <td>1 : 10 @ A3</td> </tr> </table>	LOT	# M	DRAWER	C.EIO	CHECKED	L.FAIDUTTI	DATE	20 February, 2018
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SCALE	1 : 10 @ A3																											

**TRUSS ROOF (TRACTILE) CONSTRUCTION DETAILS**

THICKNESS (mm)	MATERIAL	THERMAL CONDUCTIVITY (W/mK)
87	'TRACTILE' SOLAR TILE ROOFING	-
21	TOP HATS	-
30	AIR GAP	0.028
1	SARKING	-
80	RIGID INSULATION	0.13
1	WATER TIGHT MEMBRANE	2.4
12	STRUCTURAL PLYWOOD BOARD	0.13
75	STEEL STUD & SOFT INSULATION	0.035
VARYING	TRUSS ROOF CAVITY	0.028
75	STEEL STUD & SOFT INSULATION	0.035
22	CEILING TOP HATS	-
13	PLASTERBOARD CEILING	0.16

**TOTAL THICKNESS: 397 mm (MINIMUM)**  
**R-VALUE: 5.08 m²K/W**



**10Deg Roof (Flat Ceiling)**

1

1 : 10

VISUAL SCALE 1:10 @ A3



**Desert Rose**  
**Team UOW**  
 Australia - Dubai

Team: TEAM UOW

Address: UNIVERSITY OF WOLLONGONG  
 WOLLONGONG  
 NSW, AUSTRALIA 2522

Contact: sd-2018@uow.edu.au  
 www.desertrosehouse.com.au

Client:

Dubai Electricity and Water Authority



AMENDMENTS

REV.	DESCRIPTION	DATE	DRAWN	CHECK
1	Updated to As-Built	14/09/18	VP	JR

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LOT # M

DRAWER J.ROTH

CHECKED V.PHAM

DATE 20 February, 2018

SCALE 1 : 10 @ A3

**ROOF DETAILS -**  
**10DEG ROOF**

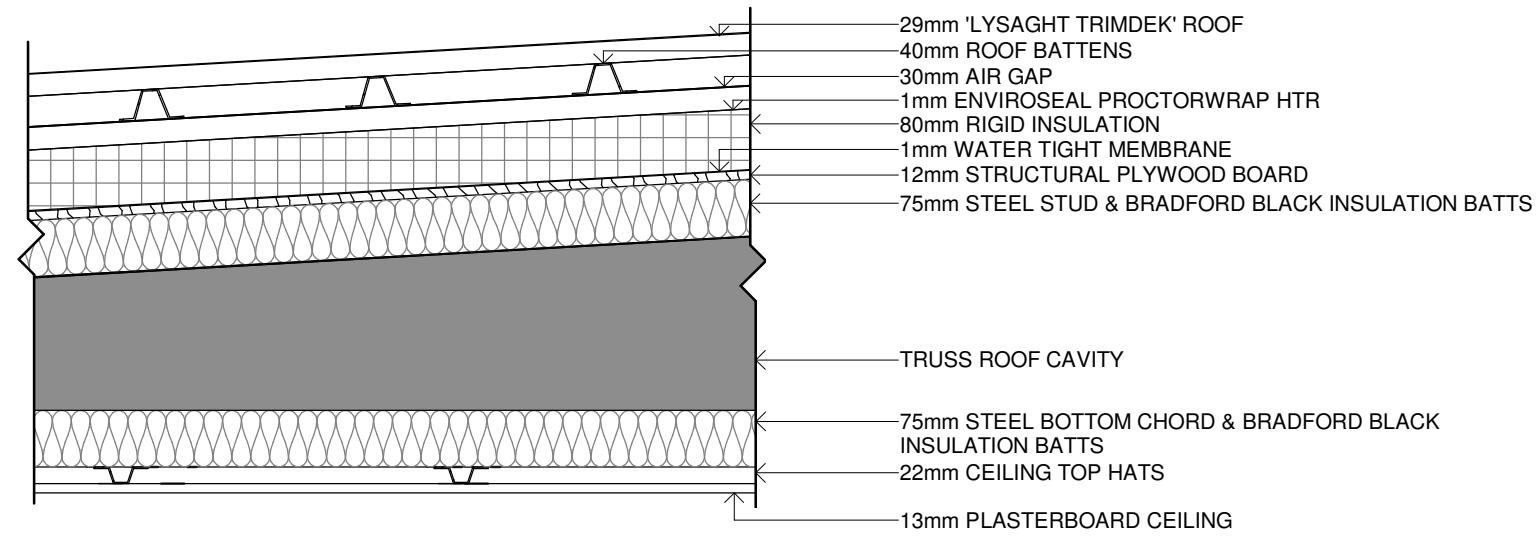
SHEET:  
 01 OF 01

**AR-332**

**TRUSS ROOF (TRACTILE) CONSTRUCTION DETAILS**

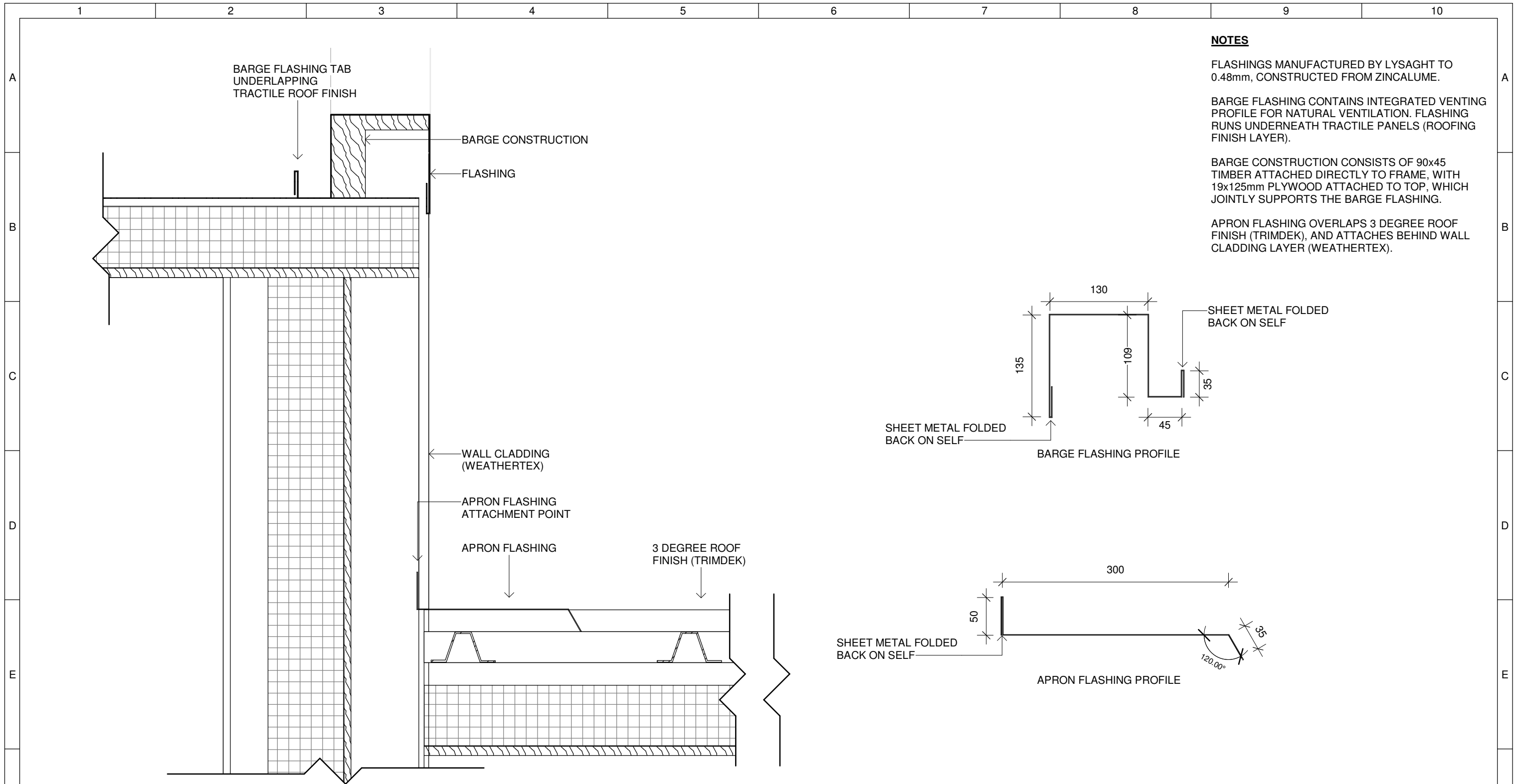
THICKNESS (mm)	MATERIAL	THERMAL CONDUCTIVITY (W/mK)
29	'LYSAGHT TRIMDEK' ROOF	-
40	ROOF BATTENS	-
30	AIR GAP	0.028
1	ENVIROSEAL PROCTORWRAP HTR	-
80	RIGID INSULATION	0.13
1	WATER TIGHT MEMBRANE	2.4
12	STRUCTURAL PLYWOOD BOARD	0.13
75	STEEL STUD & SOFT INSULATION	0.035
VARYING	TRUSS ROOF CAVITY	0.028
75	STEEL STUD & SOFT INSULATION	0.035
22	CEILING TOP HATS	-
13	PLASTERBOARD CEILING	0.16

**TOTAL THICKNESS: 378 mm (MINIMUM)**  
**R-VALUE: 5.08 m²K/W**



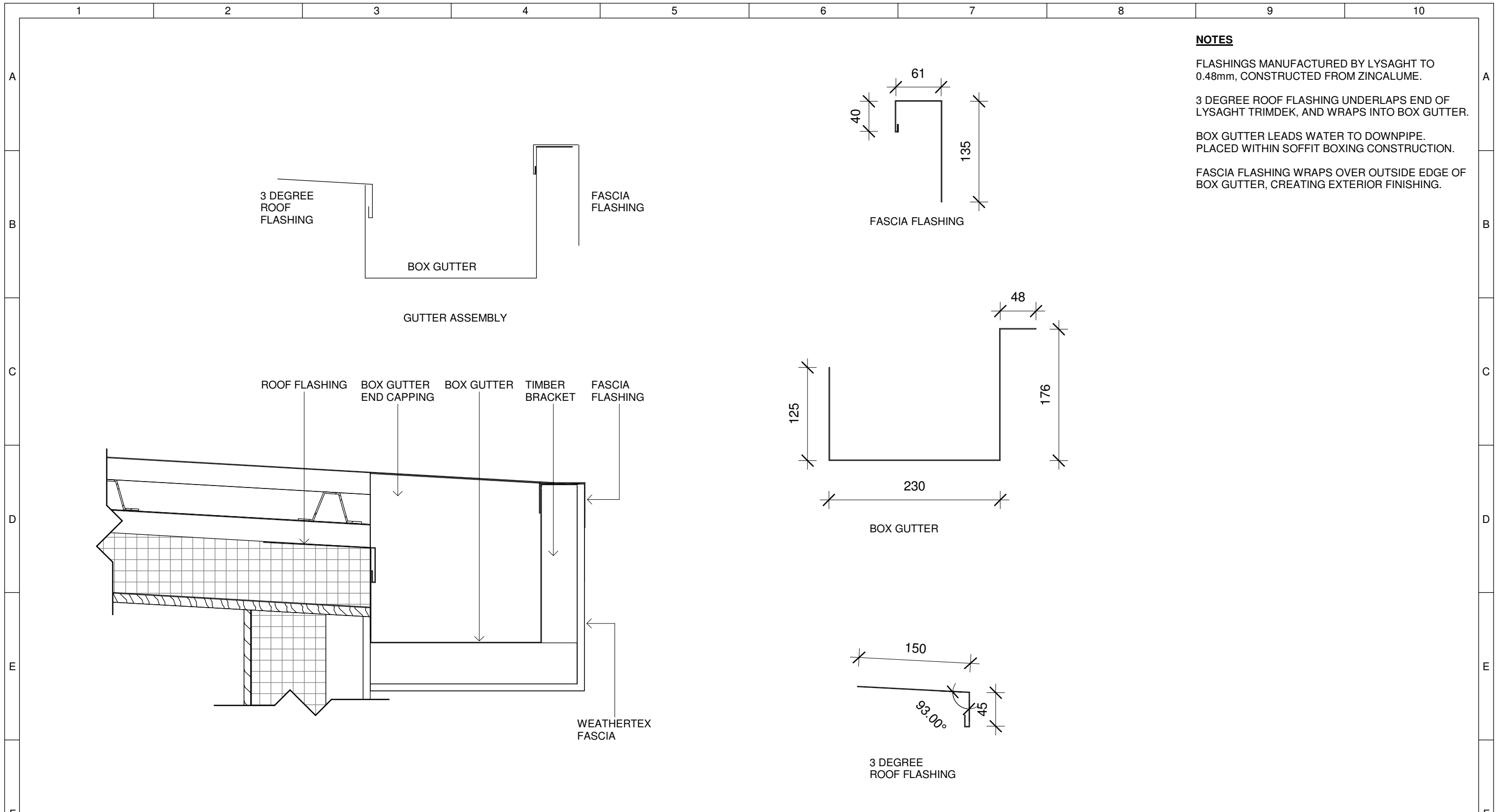
**1** 3Deg Roof (Flat Ceiling)  
 1 : 10

	Team: TEAM UOW Address: UNIVERSITY OF WOLLONGONG WOLLONGONG NSW, AUSTRALIA 2522	Client: Dubai Electricity and Water Authority 	AMENDMENTS				COPYRIGHT None; Project is Public		ROOF DETAILS - 3DEG ROOF  <b>AR-333</b>				
	Contact: sd-2018@uow.edu.au www.desertrosehouse.com.au		<table border="1"> <thead> <tr> <th>REV.</th> <th>DESCRIPTION</th> <th>DATE</th> <th>DRAWN</th> <th>CHECK</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Updated to As-Built</td> <td>14/09/18</td> <td>VP</td> <td>JR</td> </tr> </tbody> </table>	REV.	DESCRIPTION	DATE	DRAWN	CHECK		1	Updated to As-Built	14/09/18	VP
REV.	DESCRIPTION	DATE	DRAWN	CHECK									
1	Updated to As-Built	14/09/18	VP	JR									



**1** Flashing Details  
1 : 5

	<b>Team:</b> TEAM UOW <b>Address:</b> UNIVERSITY OF WOLLONGONG WOLLONGONG NSW, AUSTRALIA 2522 <b>Contact:</b> sd-2018@uow.edu.au www.desertrosehouse.com.au	<b>Client:</b> Dubai Electricity and Water Authority 	<b>AMENDMENTS</b> <table border="1"> <thead> <tr> <th>REV.</th> <th>DESCRIPTION</th> <th>DATE</th> <th>DRAWN</th> <th>CHECK</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Updated to As-Built</td> <td>14/09/18</td> <td>VP</td> <td>JR</td> </tr> </tbody> </table>	REV.	DESCRIPTION	DATE	DRAWN	CHECK	1	Updated to As-Built	14/09/18	VP	JR	<b>COPYRIGHT</b> None; Project is Public LOT # M DRAWER J.ROTH CHECKED V.PHAM DATE 20 August, 2018 SCALE 1 : 5 @ A3	<b>ROOF CONNECTION DETAILS 1</b> <b>AR-334</b>
	REV.	DESCRIPTION	DATE	DRAWN	CHECK										
1	Updated to As-Built	14/09/18	VP	JR											
<b>Desert Rose Team UOW Australia - Dubai</b>				SHEET:											



**NOTES**

FLASHINGS MANUFACTURED BY LYSAGHT TO 0.48mm, CONSTRUCTED FROM ZINCALUME.

3 DEGREE ROOF FLASHING UNDERLAPS END OF LYSAGHT TRIMDEK, AND WRAPS INTO BOX GUTTER.

BOX GUTTER LEADS WATER TO DOWNPIPE. PLACED WITHIN SOFFIT BOXING CONSTRUCTION.

FASCIA FLASHING WRAPS OVER OUTSIDE EDGE OF BOX GUTTER, CREATING EXTERIOR FINISHING.

**1** 3 Degree Box Gutter Detailing  
1 : 5



**Team:** TEAM UOW  
**Address:** UNIVERSITY OF WOLLONGONG  
 WOLLONGONG  
 NSW, AUSTRALIA 2522  
**Contact:** sd-2018@uow.edu.au  
 www.desertrosehouse.com.au

**Client:** Dubai Electricity and Water Authority  
**SOLAR DECATHLON** MIDDLE EAST DUBAI, UAE - 2018

AMENDMENTS				
REV.	DESCRIPTION	DATE	DRAWN	CHECK
1	Updated to As-Built	14/09/18	VP	JR

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LOT	# M
DRAWER	J.ROTH
CHECKED	V.PHAM
DATE	20 August, 2018
SCALE	1 : 5 @ A3

**ROOF CONNECTION DETAILS 2**

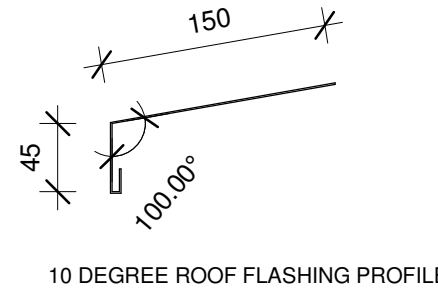
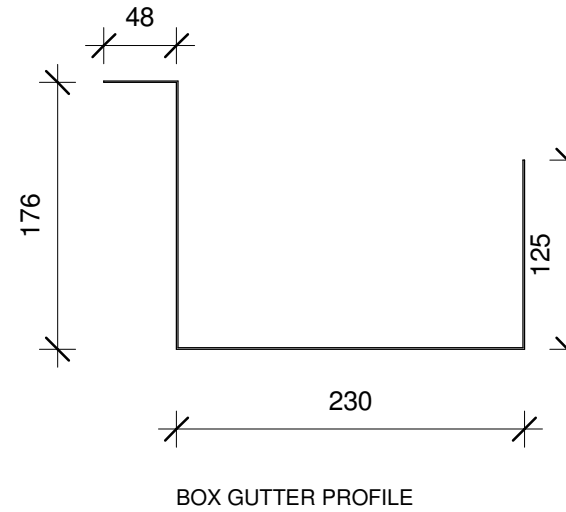
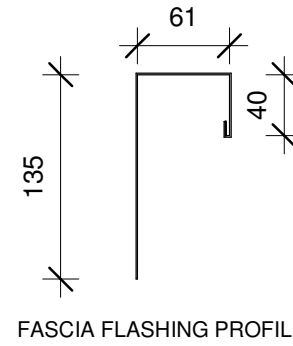
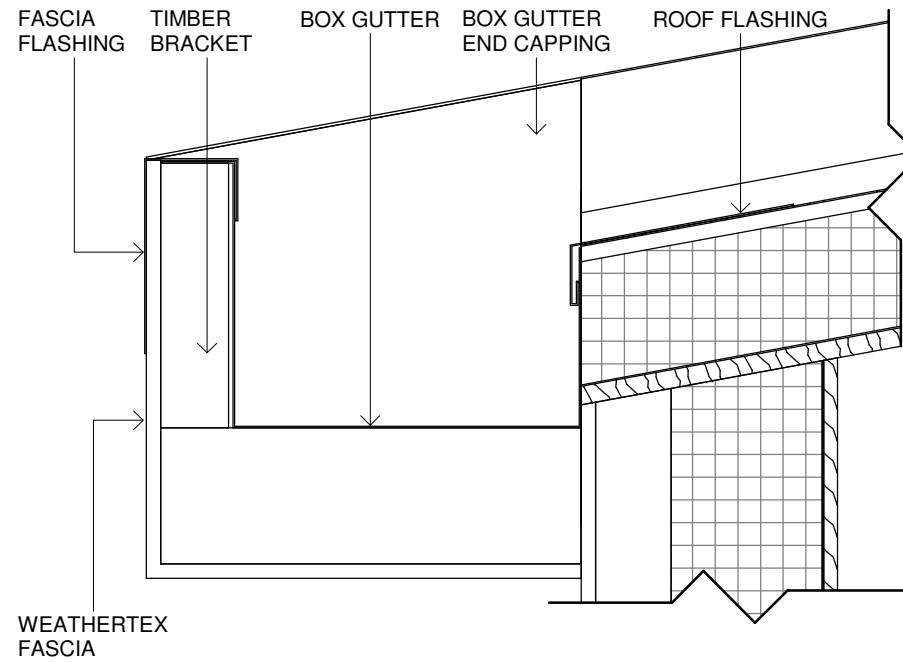
SHEET: **AR-335**

10 FASCIA FLASHING

ROOF FLASHING

BOX GUTTER

GUTTER ASSEMBLY



**NOTES**

FLASHINGS MANUFACTURED BY LYSAGHT TO 0.48mm, CONSTRUCTED FROM ZINCALUME.

3 DEGREE ROOF FLASHING UNDERLAPS END OF TRACTILE SOLAR CELLS, AND WRAPS INTO BOX GUTTER.

BOX GUTTER LEADS WATER TO DOWNPIPE. PLACED WITHIN SOFFIT BOXING CONSTRUCTION.

FASCIA FLASHING WRAPS OVER OUTSIDE EDGE OF BOX GUTTER, CREATING EXTERIOR FINISHING.

1

**10 Degree Box Gutter Detailing**

1 : 5



**Desert Rose**  
Team UOW  
Australia - Dubai

Team: TEAM UOW

Address: UNIVERSITY OF WOLLONGONG  
WOLLONGONG  
NSW, AUSTRALIA 2522

Contact: sd-2018@uow.edu.au  
www.desertrosehouse.com.au

Client:

Dubai Electricity and Water Authority



**AMENDMENTS**

REV.	DESCRIPTION	DATE	DRAWN	CHECK
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DRAWER J.ROTH

CHECKED V.PHAM

DATE 20 August, 2018

SCALE 1 : 5 @ A3

**ROOF CONNECTION DETAILS 3**

SHEET:

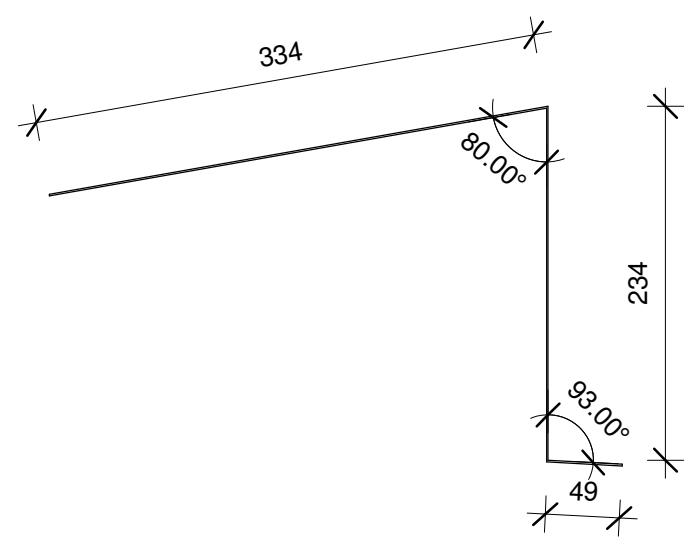
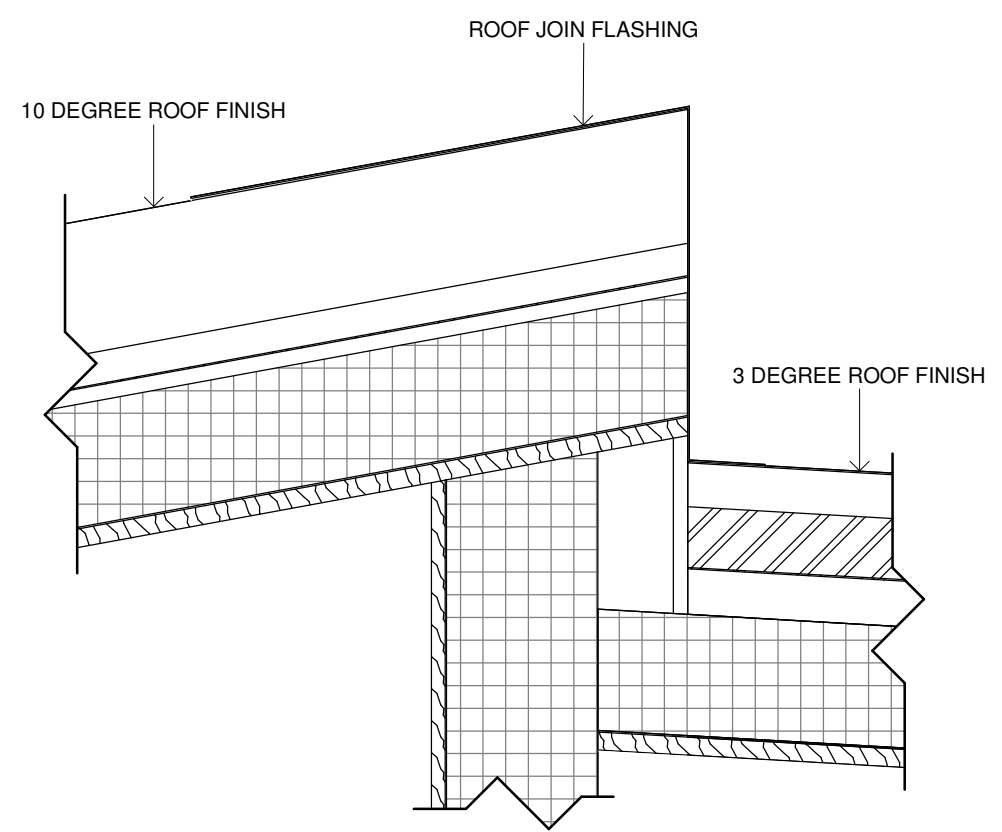
**AR-336**



**NOTES**

FLASHINGS MANUFACTURED BY LYSAGHT TO 0.48mm, CONSTRUCTED FROM ZINCALUME.

ROOF JOIN FLASHING COMPLETELY COVERS JOIN BETWEEN 10 DEGREE ROOF FINISH AND 3 DEGREE ROOF FINISH.



ROOF JOIN FLASHING PROFILE

**1** Roof Join Flashing Detail  
1 : 5

**Desert Rose**  
Team UOW  
Australia - Dubai

**Team:** TEAM UOW  
**Address:** UNIVERSITY OF WOLLONGONG  
WOLLONGONG  
NSW, AUSTRALIA 2522  
**Contact:** sd-2018@uow.edu.au  
www.desertrosehouse.com.au

**Client:**  
Dubai Electricity and Water Authority

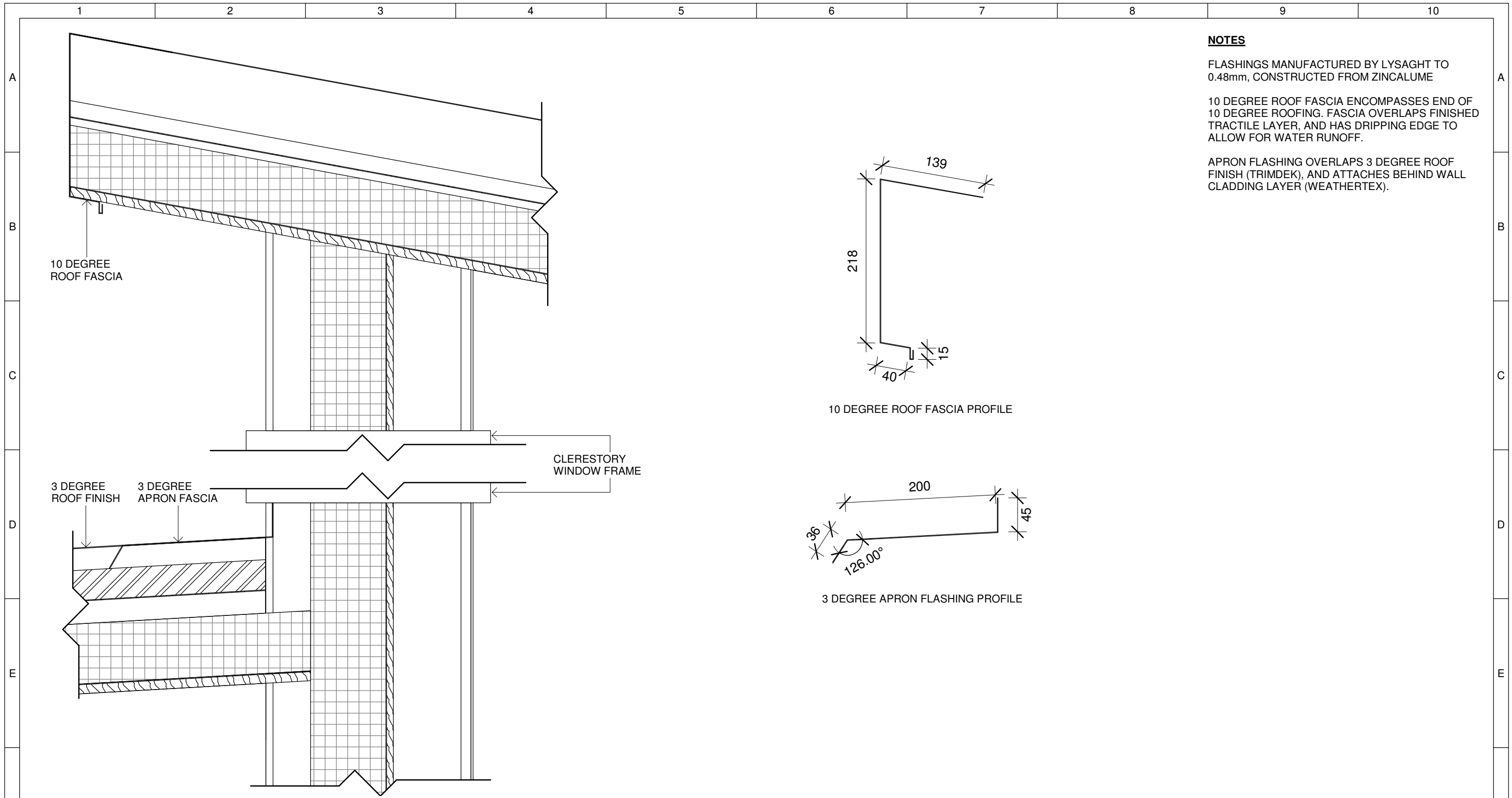
**SOLAR DECATHLON**  
MIDDLE EAST  
DUBAI, UAE - 2018

AMENDMENTS				
REV.	DESCRIPTION	DATE	DRAWN	CHECK
1	Updated to As-Built	14/09/18	VP	JR

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LOT	# M
DRAWER	J.ROTH
CHECKED	V.PHAM
DATE	20 August, 2018
SCALE	1 : 5 @ A3

**ROOF CONNECTION DETAILS 4**

SHEET: **AR-337**



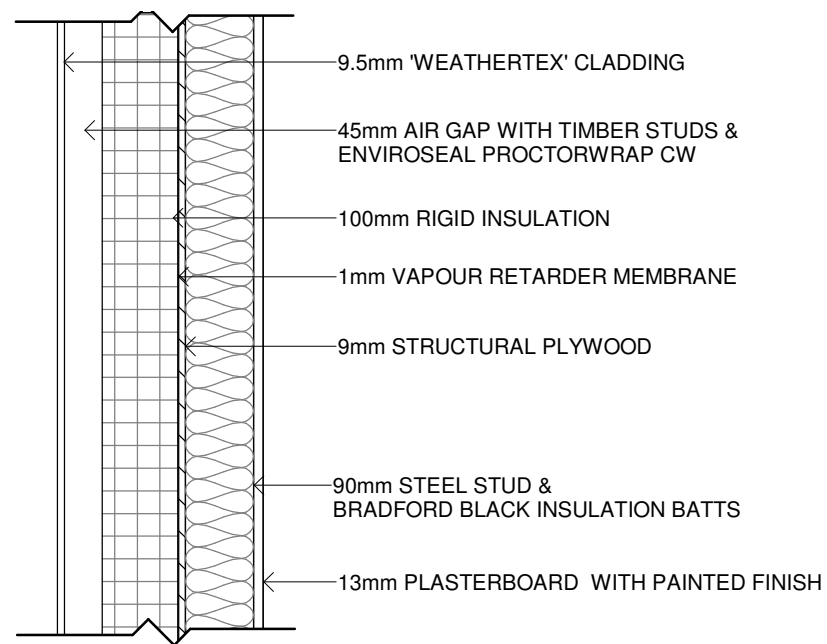
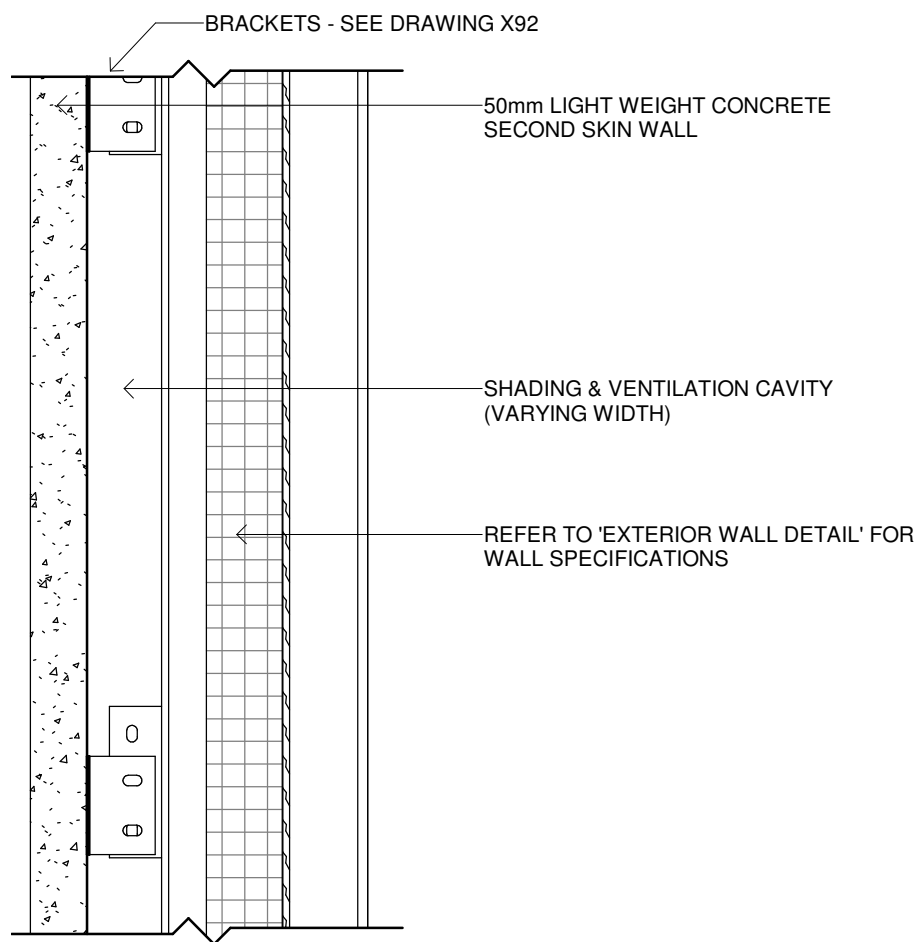
**1** Clerestory Flashing Details  
1 : 5

	<b>Team:</b> TEAM UOW <b>Address:</b> UNIVERSITY OF WOLLONGONG WOLLONGONG NSW, AUSTRALIA 2522 <b>Contact:</b> sd-2018@uow.edu.au www.desertrosehouse.com.au	<b>Client:</b> Dubai Electricity and Water Authority 	<b>AMENDMENTS</b> <table border="1"> <thead> <tr> <th>REV.</th> <th>DESCRIPTION</th> <th>DATE</th> <th>DRAWN</th> <th>CHECK</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Updated to As-Built</td> <td>14/09/18</td> <td>VP</td> <td>JR</td> </tr> </tbody> </table>	REV.	DESCRIPTION	DATE	DRAWN	CHECK	1	Updated to As-Built	14/09/18	VP	JR	<b>COPYRIGHT</b> None; Project is Public LOT # M DRAWER J.ROTH CHECKED V.PHAM DATE 20 August, 2018 SCALE 1 : 5 @ A3	<b>ROOF CONNECTION DETAILS 5</b> <b>AR-338</b>
	REV.	DESCRIPTION	DATE	DRAWN	CHECK										
	1	Updated to As-Built	14/09/18	VP	JR										
				SHEET:											

**EXTERNAL WALL CONSTRUCTION DETAILS**

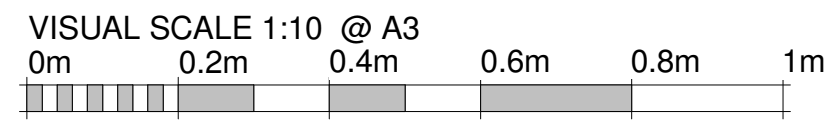
THICKNESS (mm)	MATERIAL	THERMAL CONDUCTIVITY (W/mK)	FIRE RATING CLASS*
50	SECOND SKIN WALL	-	NOT REQUIRED
VARYING	AIR GAP	-	NOT REQUIRED
9.5	CLADDING	-	NOT REQUIRED
45	AIR GAP	-	NOT REQUIRED
100	RIGID INSULATION	0.028	NOT REQUIRED
1	AIR TIGHT MEMBRANE	2.3	NOT REQUIRED
9	STRUCTURAL PLYWOOD	0.13	NOT REQUIRED
90	STEEL STUD & SOFT INSULATION	0.035	A
13	PLASTERBOARD WALL WITH FINISH	0.16	A

**TOTAL THICKNESS: 317.5 mm (MINIMUM)**  
**R-VALUE: 6.21 m²K/W**



**1** Second Skin Detail  
1 : 10

**2** Exterior Wall Detail  
1 : 10



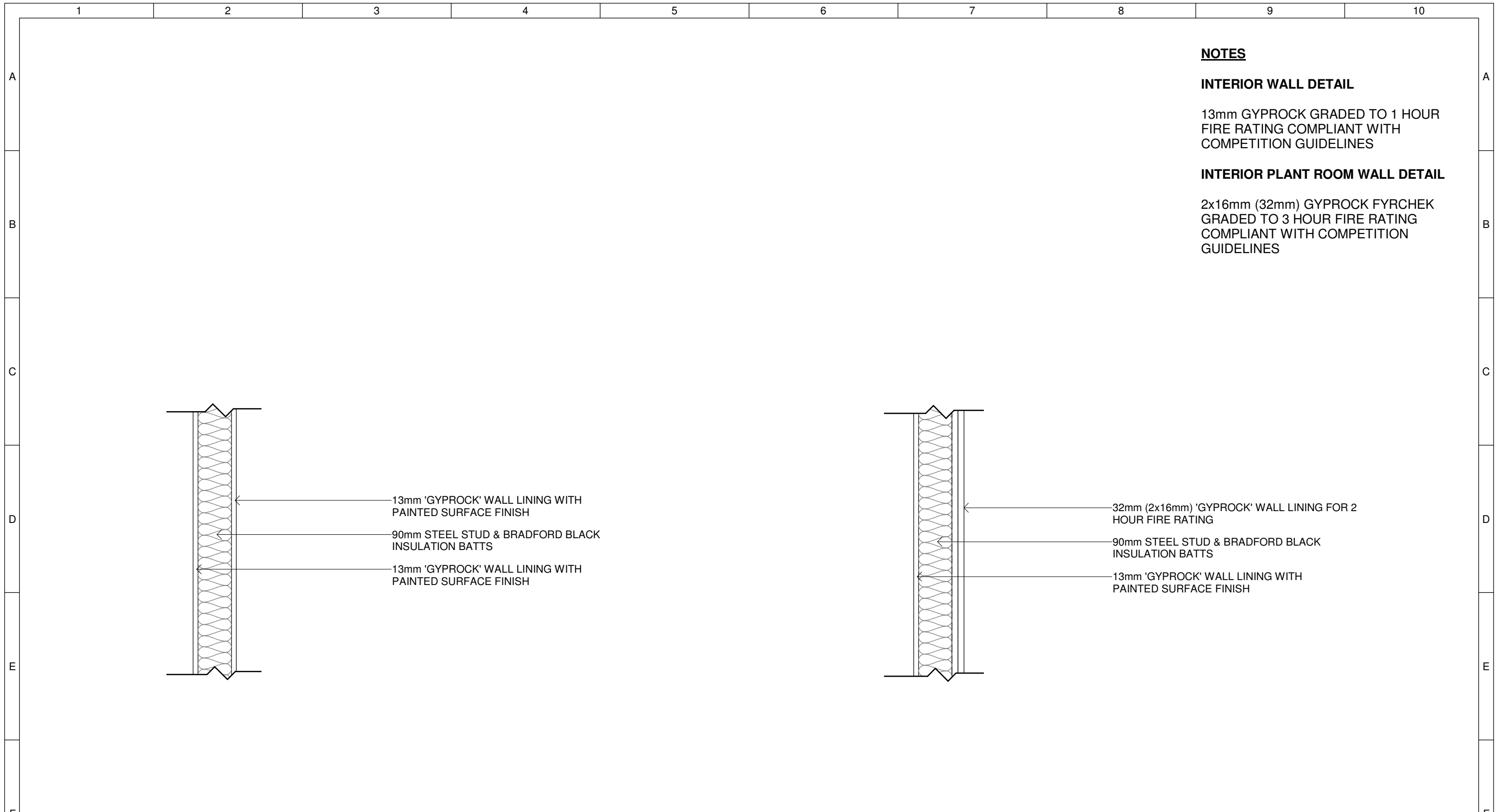
**Team:** TEAM UOW  
**Address:** UNIVERSITY OF WOLLONGONG  
 WOLLONGONG  
 NSW, AUSTRALIA 2522  
**Contact:** sd-2018@uow.edu.au  
 www.desertrosehouse.com.au

**Client:** Dubai Electricity and Water Authority

AMENDMENTS				
REV.	DESCRIPTION	DATE	DRAWN	CHECK
1	Updated Plans, Detailing and Template Adjustments	01/02/18	JR	VP
2	Hide Lines	05/02/18	JR	VP
3	Adjusted wall layerings and sheet layout	18/02/18	JR	VP
4	Updated to As-Built	14/09/18	VP	JR

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 LOT # M  
 DRAWER C.EIO  
 CHECKED V.PHAM  
 DATE 20 February, 2018  
 SCALE 1 : 10 @ A3

**WALL SECTIONS/  
 CONSTRUCTION  
 DETAILS**  
**AR-341**  
 SHEET:  
 01 OF 01



**NOTES**

**INTERIOR WALL DETAIL**

13mm GYPROCK GRADED TO 1 HOUR FIRE RATING COMPLIANT WITH COMPETITION GUIDELINES

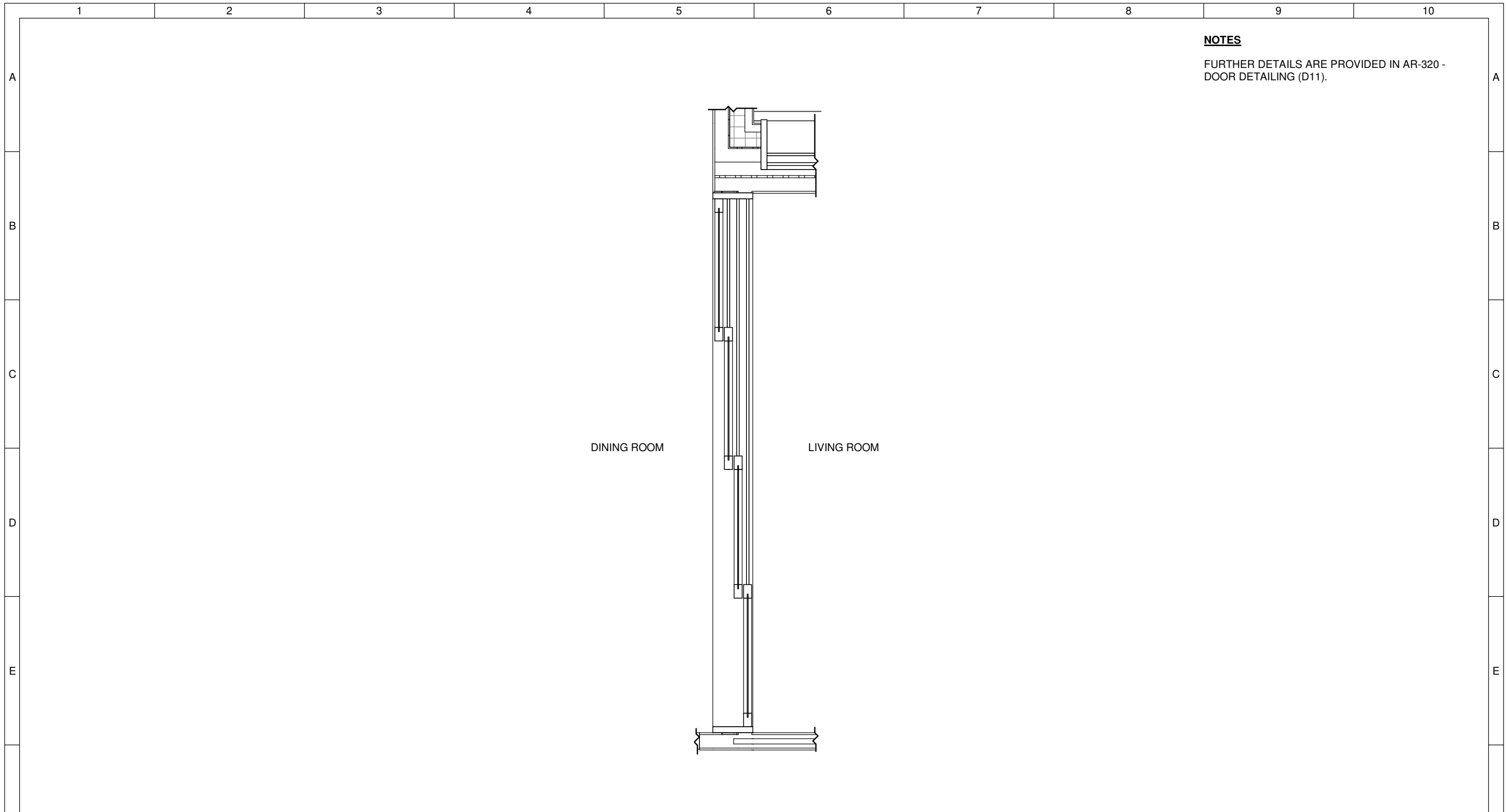
**INTERIOR PLANT ROOM WALL DETAIL**

2x16mm (32mm) GYPROCK FYRCHEK GRADED TO 3 HOUR FIRE RATING COMPLIANT WITH COMPETITION GUIDELINES

**1** Interior Wall Detail  
1 : 10

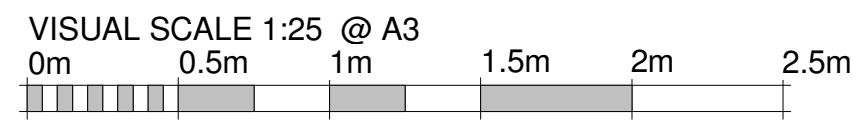
**2** Interior Wall Detail - Plant Room  
1 : 10

	<b>Team:</b> TEAM UOW <b>Address:</b> UNIVERSITY OF WOLLONGONG WOLLONGONG NSW, AUSTRALIA 2522 <b>Contact:</b> sd-2018@uow.edu.au www.desertrosehouse.com.au	<b>Client:</b> Dubai Electricity and Water Authority 	<b>AMENDMENTS</b>			<b>COPYRIGHT</b> None; Project is Public		<b>INTERIOR WALL DETAILS</b>  SHEET: <b>AR-342</b>							
			<table border="1"> <thead> <tr> <th>REV.</th> <th>DESCRIPTION</th> <th>DATE</th> <th>DRAWN</th> <th>CHECK</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Updated to As-Built</td> <td>14/09/18</td> <td>VP</td> <td>JR</td> </tr> </tbody> </table>	REV.	DESCRIPTION	DATE	DRAWN		CHECK	1	Updated to As-Built	14/09/18	VP	JR	LOT # M DRAWER J.ROTH CHECKED V.PHAM DATE 20 August, 2018 SCALE 1 : 10 @ A3
	REV.	DESCRIPTION	DATE	DRAWN	CHECK										
	1	Updated to As-Built	14/09/18	VP	JR										

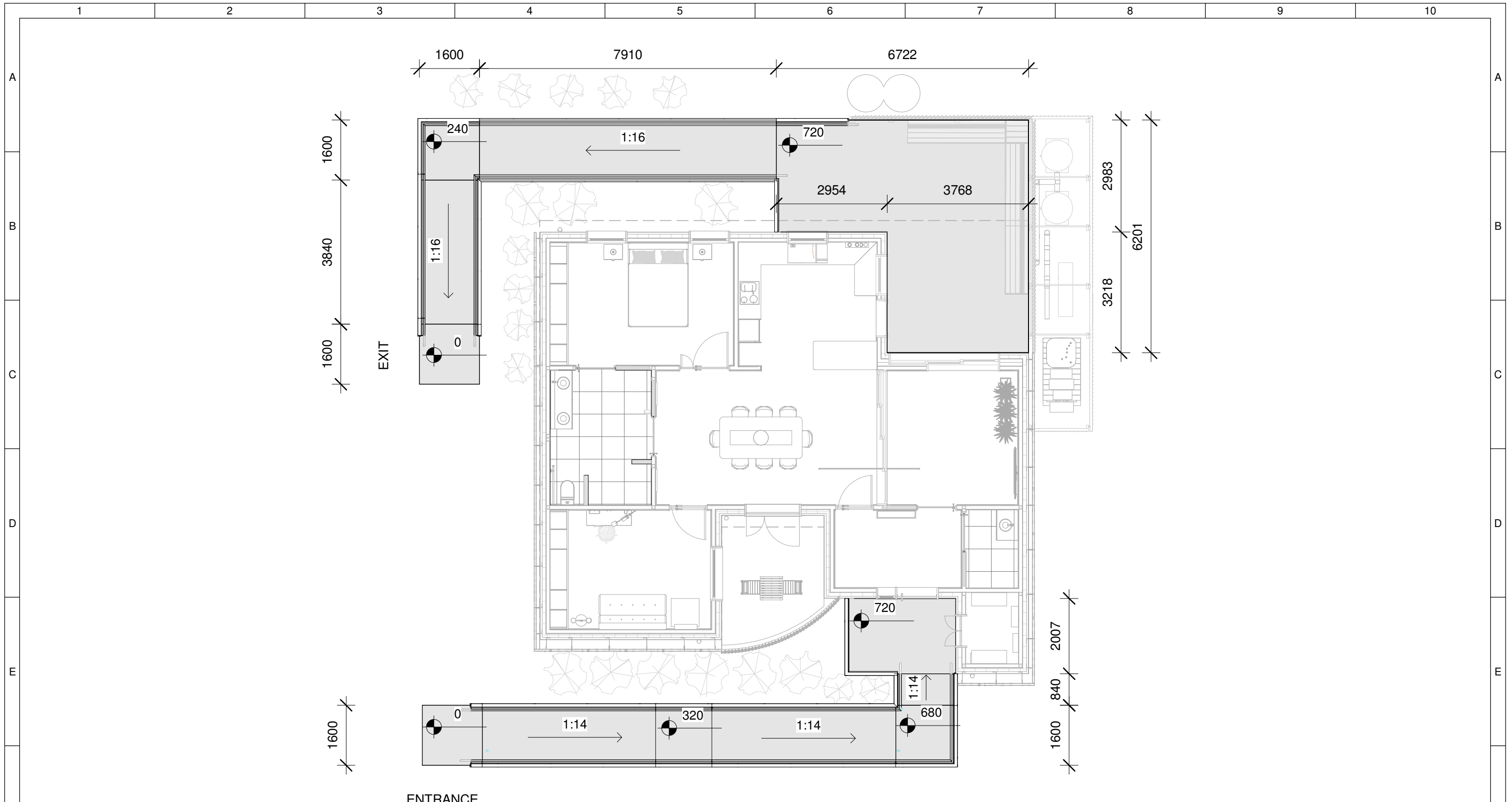


**NOTES**  
 FURTHER DETAILS ARE PROVIDED IN AR-320 - DOOR DETAILING (D11).

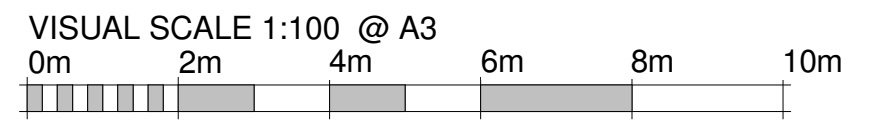
**1** Partition Callout  
 1 : 25



	<b>Team:</b> TEAM UOW <b>Address:</b> UNIVERSITY OF WOLLONGONG WOLLONGONG NSW, AUSTRALIA 2522	<b>Client:</b> Dubai Electricity and Water Authority 	<b>AMENDMENTS</b>				<b>COPYRIGHT</b> None; Project is Public			<b>PARTITION DETAILS</b>																			
	<b>Contact:</b> sd-2018@uow.edu.au www.desertrosehouse.com.au		<table border="1"> <thead> <tr> <th>REV.</th> <th>DESCRIPTION</th> <th>DATE</th> <th>DRAWN</th> <th>CHECK</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Updated Plans, Detailing and Template Adjustments</td> <td>01/02/18</td> <td>JR</td> <td>VP</td> </tr> <tr> <td>2</td> <td>Updated to As-Built</td> <td>14/09/18</td> <td>VP</td> <td>JR</td> </tr> </tbody> </table>	REV.	DESCRIPTION	DATE	DRAWN	CHECK			1	Updated Plans, Detailing and Template Adjustments	01/02/18	JR	VP	2	Updated to As-Built	14/09/18	VP	JR	<table border="1"> <tbody> <tr> <td>LOT</td> <td># M</td> </tr> <tr> <td>DRAWER</td> <td>J.ROTH</td> </tr> <tr> <td>CHECKED</td> <td>V.PHAM</td> </tr> <tr> <td>DATE</td> <td>20 February, 2018</td> </tr> <tr> <td>SCALE</td> <td>1 : 25 @ A3</td> </tr> </tbody> </table>	LOT	# M	DRAWER	J.ROTH	CHECKED	V.PHAM	DATE	20 February, 2018
REV.	DESCRIPTION	DATE	DRAWN	CHECK																									
1	Updated Plans, Detailing and Template Adjustments	01/02/18	JR	VP																									
2	Updated to As-Built	14/09/18	VP	JR																									
LOT	# M																												
DRAWER	J.ROTH																												
CHECKED	V.PHAM																												
DATE	20 February, 2018																												
SCALE	1 : 25 @ A3																												



**1** Ramp Dimensions  
1 : 100

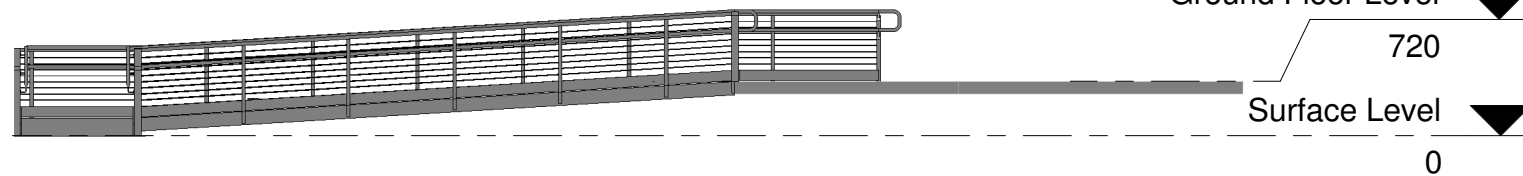


	<b>Team:</b> TEAM UOW <b>Address:</b> UNIVERSITY OF WOLLONGONG WOLLONGONG NSW, AUSTRALIA 2522	<b>Client:</b> Dubai Electricity and Water Authority
	<b>Contact:</b> sd-2018@uow.edu.au www.desertrosehouse.com.au	

AMENDMENTS			
REV.	DESCRIPTION	DATE	DRAWN CHECK
1	Updated dimensions and detailing	20/02/18	VP JR
2	Updated dimensions and detailing and editing families	13/09/18	V JR
3	Updated to As-Built	14/09/18	VP JR

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CHECKED V.PHAM	
DATE 20 February, 2018	
SCALE 1 : 100 @ A3	

	<b>RAMP AND RAILING DIMENSIONS</b>
<b>SHEET:</b> 01 OF 01	<b>AR-401</b>



**2 Northern Ramp South Elevation**  
1 : 100

**NOTES**

ALL RAMPS, RAILINGS AND LANDINGS COMPLY WITH THE FOLLOWING CODES:

- THE BUILDING REGULATION & FACILITIES FOR THE DISABLED – UNITED ARAB EMIRATES CODE**
- UAE FIRE AND LIFE SAFETY CODE OF PRACTICE 2017**
- LIVABLE HOUSING AUSTRALIA DESIGN**
- BUILDING CODE OF AUSTRALIA**
- SDME2018 RULES VERSION 4**
- DELIVERABLE #7 APPENDIX 1**

HANDRAILS AND INTERMEDIATE HANDRAILS ARE PROVIDED AT 950mm AND 700mm (TYP.) HEIGHTS RESPECTIVELY, AND HAVE A CIRCULAR 43mm DIAMETER.

HANDRAILS CONTINUE UNINTERRUPTED ALONG ENTIRE LENGTH OF ALL RAILED AREA, EXTENDING 300mm AT RAIL ENDS.

A CLEAR SPACING OF 58mm EXISTS BETWEEN HANDRAIL EDGE AND TOP RAIL.

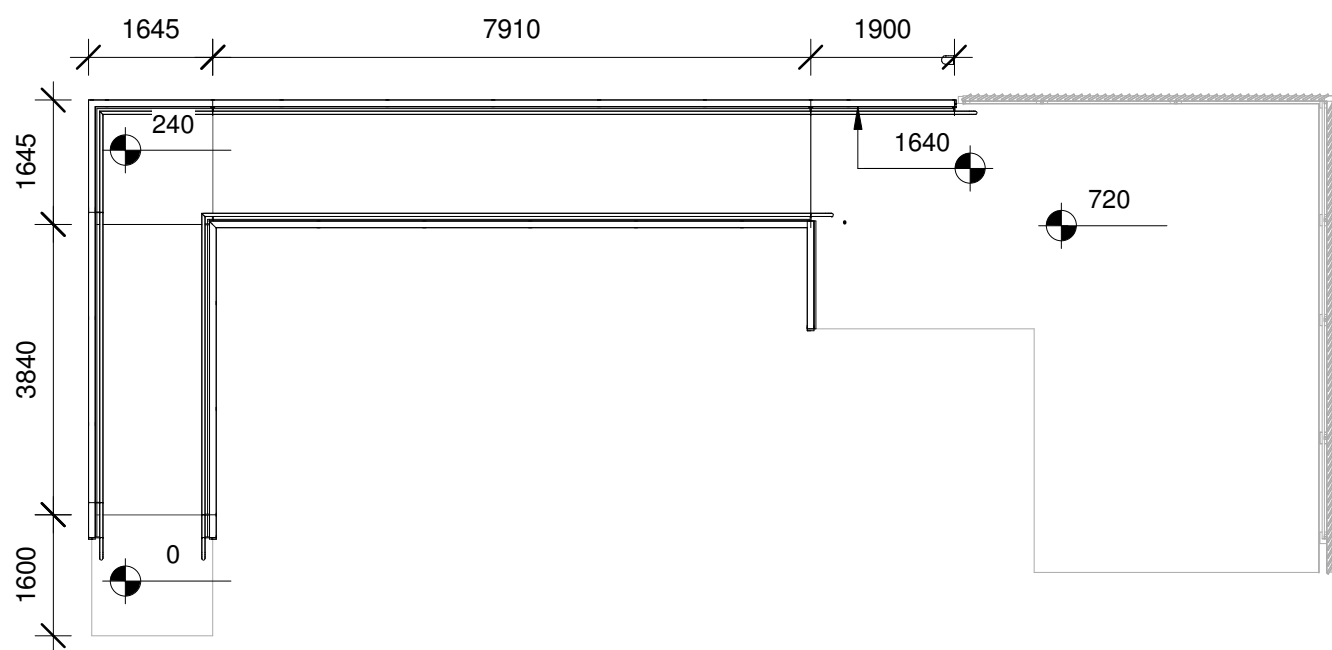
LANDINGS ARE (MINIMUM) 1500mm X 1500mm.

WIRE BALUSTRADES ARE PROVIDED AT 80mm CTC SPACINGS (TYP.).

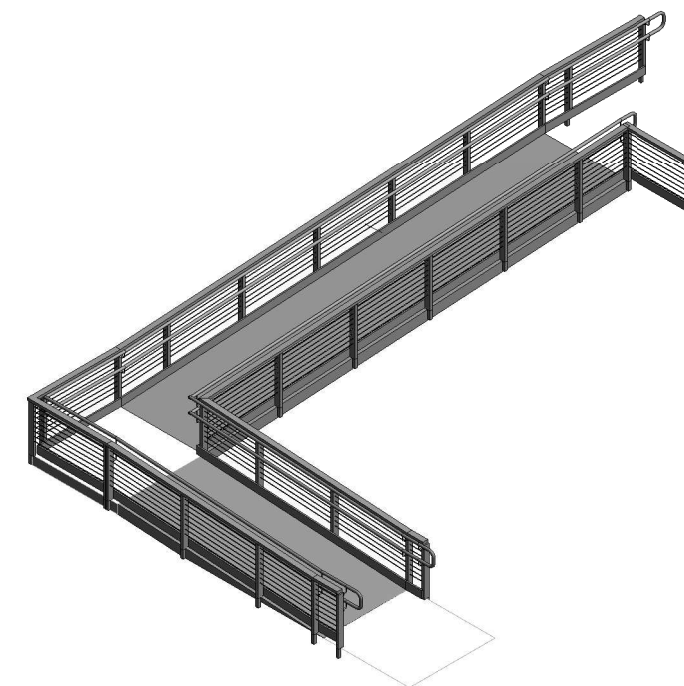
UPSTAND CONTRASTS VISUALLY WITH THE RAMP. UPSTAND HEIGHT OF 150mm FROM RAMP SURFACE.

THE RAMP SURFACE IS HARD AND NON SLIP.

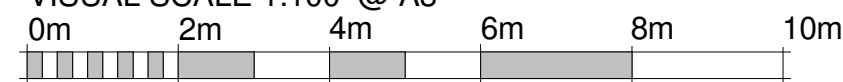
BACK DECK TO CONTAIN SURROUNDING GREEN WALL TO ACT A BARRIER BETWEEN DECK SURFACE AND THE GROUND.



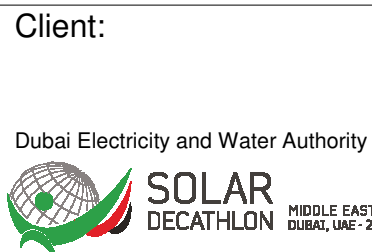
**1 Northern Ramp Plan View**  
1 : 100



**3 Northern Ramp 3D**  
N.T.S. VISUAL SCALE 1:100 @ A3



**Team:** TEAM UOW  
**Address:** UNIVERSITY OF WOLLONGONG  
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NSW, AUSTRALIA 2522  
**Contact:** sd-2018@uow.edu.au  
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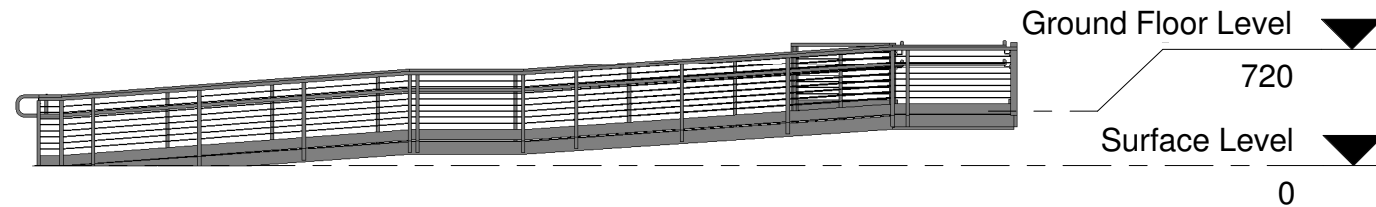
AMENDMENTS				
REV.	DESCRIPTION	DATE	DRAWN	CHECK
1	Updated dimensions and detailing	20/02/18	VP	JR
2	Updated to As-Built	14/09/18	VP	JR

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CHECKED V.PHAM	
DATE 20 February, 2018	
SCALE As 100 @ A3	

SHEET:  
01 OF 01

**NORTHERN RAMP**

**AR-402**



## Southern Ramp Elevation

2

1 : 100

### NOTES

ALL RAMPS, RAILINGS AND LANDINGS COMPLY WITH THE FOLLOWING CODES:

**THE BUILDING REGULATION & FACILITIES FOR THE DISABLED – UNITED ARAB EMIRATES CODE**  
**UAE FIRE AND LIFE SAFETY CODE OF PRACTICE 2017**  
**LIVABLE HOUSING AUSTRALIA DESIGN**  
**BUILDING CODE OF AUSTRALIA**  
**SDME2018 RULES VERSION 4**  
**DELIVERABLE #7 APPENDIX 1**

HANDRAILS AND INTERMEDIATE HANDRAILS ARE PROVIDED AT 950mm AND 700mm (TYP.) HEIGHTS RESPECTIVELY, AND HAVE A CIRCULAR 43mm DIAMETER.

HANDRAILS CONTINUE UNINTERRUPTED ALONG ENTIRE LENGTH OF ALL RAILED AREA, EXTENDING 300mm AT RAIL ENDS.

A CLEAR SPACING OF 58mm EXISTS BETWEEN HANDRAIL EDGE AND TOP RAIL.

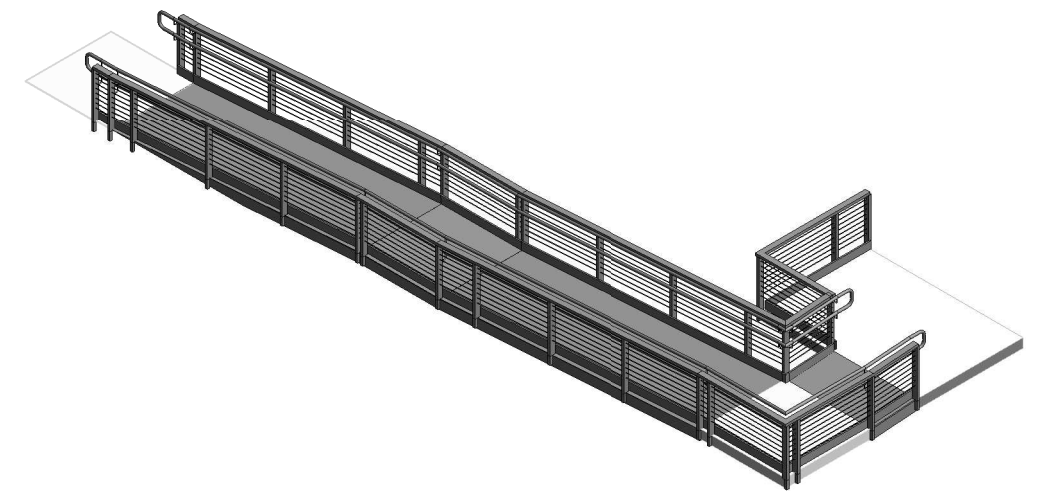
LANDINGS ARE (MINIMUM) 1500mm X 1500mm.

WIRE BALUSTRADES ARE PROVIDED AT 80mm CTC SPACINGS (TYP.).

UPSTAND TO CONTRASTS VISUALLY WITH THE RAMP. UPSTAND HEIGHT OF 150mm FROM RAMP SURFACE.

THE RAMP SURFACE IS HARD AND NON SLIP.

BACK DECK TO CONTAIN SURROUNDING GREEN WALL TO ACT A BARRIER BETWEEN DECK SURFACE AND THE GROUND.

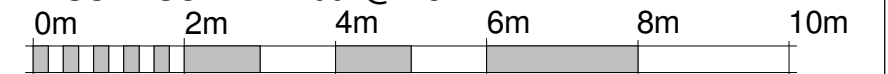


3

## Southern Ramp 3D

N.T.S.

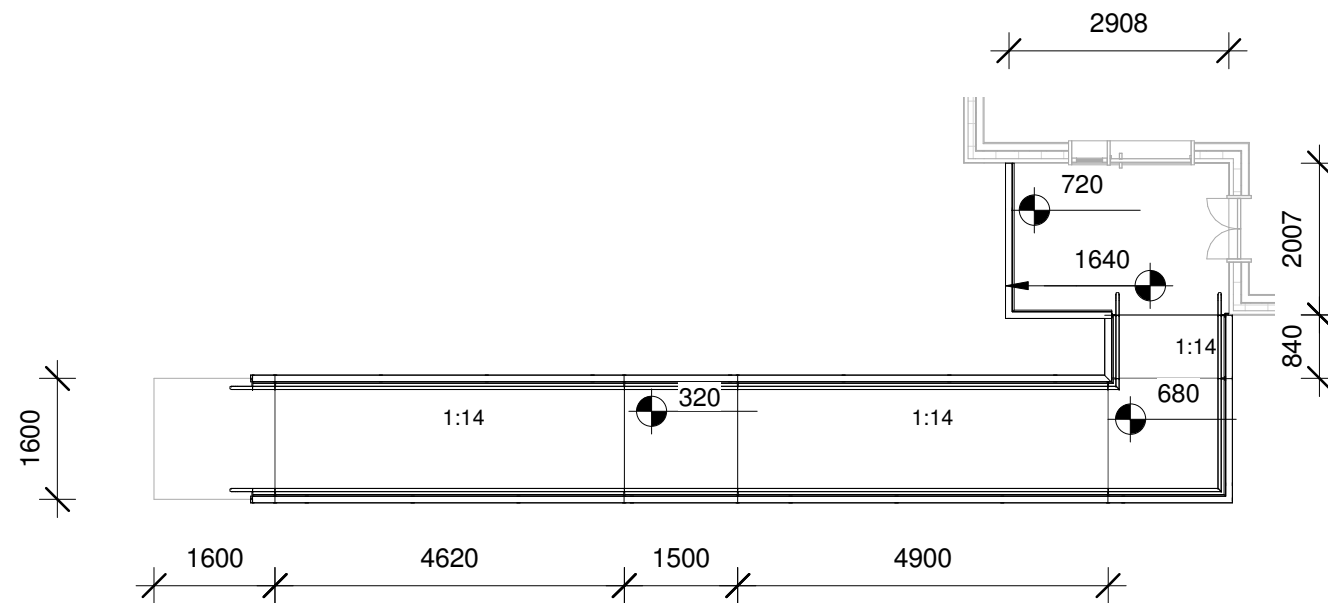
VISUAL SCALE 1:100 @ A3



## Southern Ramp Plan View

1

1 : 100



**Desert Rose**  
Team UOW  
Australia - Dubai

Team: TEAM UOW

Address: UNIVERSITY OF WOLLONGONG  
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Client:

Dubai Electricity and Water Authority



### AMENDMENTS

REV.	DESCRIPTION	DATE	DRAWN	CHECK
1	Updated dimensions and detailing	20/02/18	VP	JR
2	Updated to As-Built	14/09/18	VP	JR

### COPYRIGHT

None; Project is Public

LOT # M

DRAWER J.ROTH

CHECKED V.PHAM

DATE 20 February, 2018

SCALE As Indicated @ A3

**SOUTHERN RAMP**

SHEET:  
01 OF 01

**AR-403**



**NOTES**

ALL RAMPS, RAILINGS AND LANDINGS COMPLY WITH THE FOLLOWING CODES:

**THE BUILDING REGULATION & FACILITIES FOR THE DISABLED – UNITED ARAB EMIRATES CODE  
UAE FIRE AND LIFE SAFETY CODE OF PRACTICE 2017  
LIVABLE HOUSING AUSTRALIA DESIGN BUILDING CODE OF AUSTRALIA  
SDME2018 RULES VERSION 3  
DELIVERABLE #7 APPENDIX 1**

HANDRAILS AND INTERMEDIATE HANDRAILS ARE PROVIDED AT 950mm AND 700mm (TYP.) HEIGHTS RESPECTIVELY, AND HAVE A CIRCULAR 43mm DIAMETER.

HANDRAILS CONTINUE UNINTERRUPTED ALONG ENTIRE LENGTH OF ALL RAILED AREA, EXTENDING 300mm AT RAIL ENDS.

A CLEAR SPACING OF 58mm EXISTS BETWEEN HANDRAIL EDGE AND TOP RAIL.

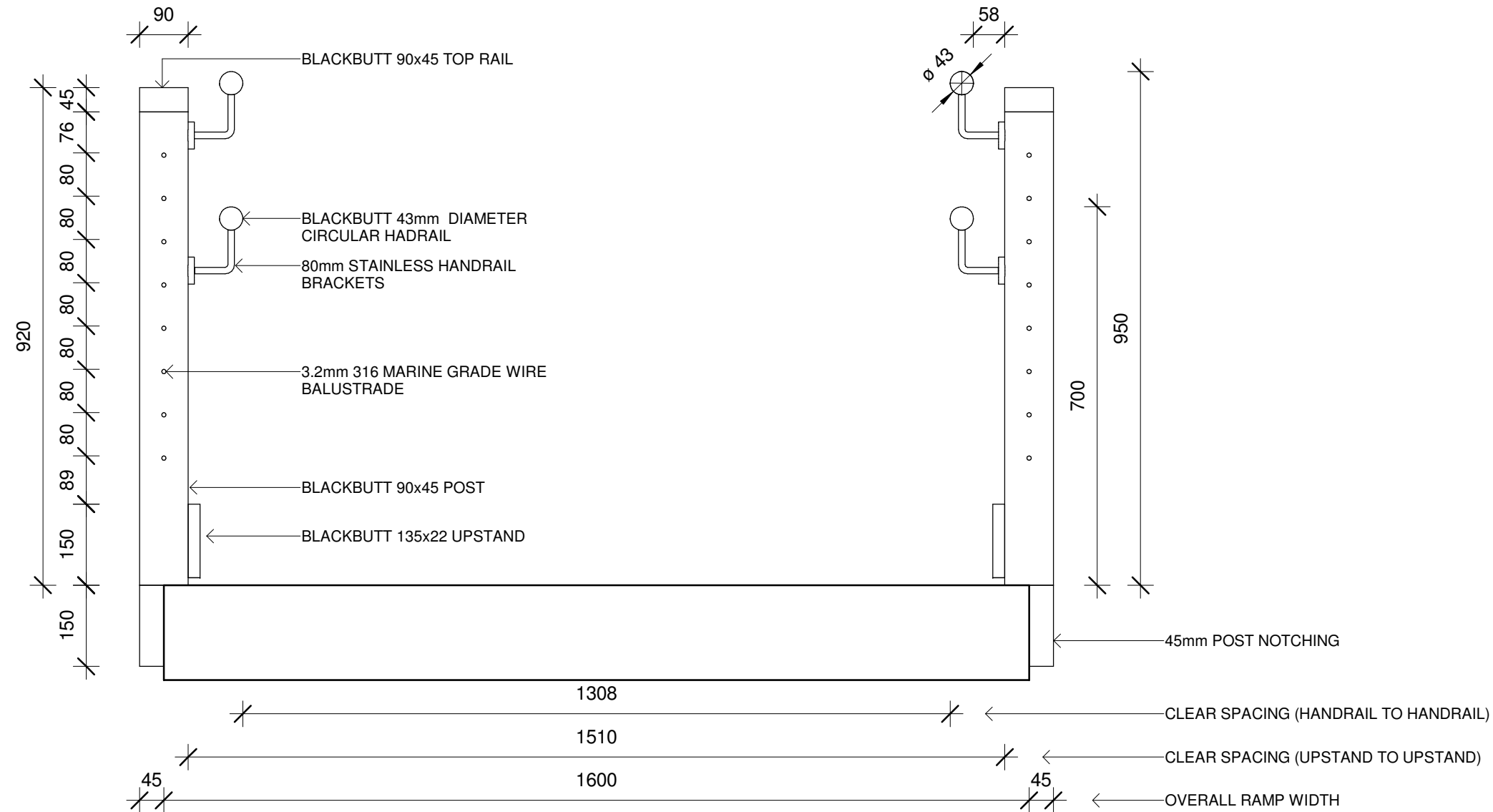
LANDINGS ARE (MINIMUM) 1500mm X 1500mm.

WIRE BALUSTRADES ARE PROVIDED AT 80mm CTC SPACINGS (TYP.).

UPSTAND TO CONTRAST VISUALLY WITH THE RAMP. UPSTAND HEIGHT OF 150mm FROM RAMP SURFACE.

THE RAMP SURFACE WILL BE HARD AND NON SLIP.

BACK DECK TO CONTAIN SURROUNDING GREEN WALL TO ACT A BARRIER BETWEEN DECK SURFACE AND THE GROUND.

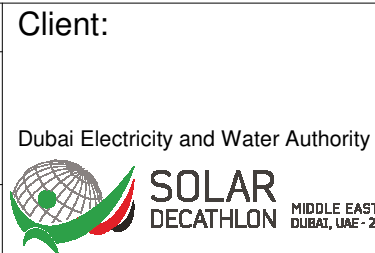


# Handrail Detail Cross Section

1 : 10



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AMENDMENTS				
REV.	DESCRIPTION	DATE	DRAWN	CHECK
1	Updated to As-Built	14/09/18	VP	JR

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None; Project is Public	
LOT	# M
DRAWER	J.ROTH
CHECKED	V.PHAM
DATE	20 August, 2018
SCALE	1 : 10 @ A3

**RAMP RAILING CROSS-SECTION**  
**AR-404**



	<b>Team:</b> TEAM UOW <b>Address:</b> UNIVERSITY OF WOLLONGONG WOLLONGONG NSW, AUSTRALIA 2522	<b>Client:</b> Dubai Electricity and Water Authority 	<b>AMENDMENTS</b>			<b>COPYRIGHT</b> None; Project is Public		<b>DECK SCREEN</b>															
	<b>Contact:</b> sd-2018@uow.edu.au www.desertrosehouse.com.au		<table border="1"> <thead> <tr> <th>REV.</th> <th>DESCRIPTION</th> <th>DATE</th> <th>DRAWN</th> <th>CHECK</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Updated to As-Built</td> <td>14/09/18</td> <td>VP</td> <td>JR</td> </tr> </tbody> </table>	REV.	DESCRIPTION	DATE	DRAWN		CHECK	1	Updated to As-Built	14/09/18	VP	JR	<table border="1"> <thead> <tr> <th>LOT</th> <th># M</th> </tr> </thead> <tbody> <tr> <td>DRAWER</td> <td>J.ROTH</td> </tr> <tr> <td>CHECKED</td> <td>V.PHAM</td> </tr> <tr> <td>DATE</td> <td>20 August, 2018</td> </tr> <tr> <td>SCALE</td> <td>1 : 50 @ A3</td> </tr> </tbody> </table>	LOT	# M	DRAWER	J.ROTH	CHECKED	V.PHAM	DATE	20 August, 2018
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