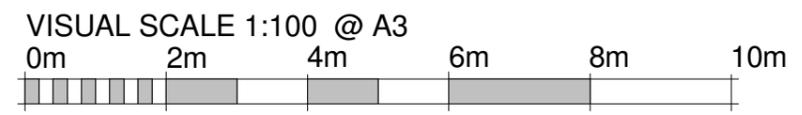


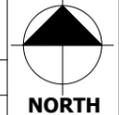
**NOTES**  
 APPROXIMATE DISTANCE FROM POINT 'A' TO EVACUATION POINT IS 22m IN A STRAIGHT LINE.

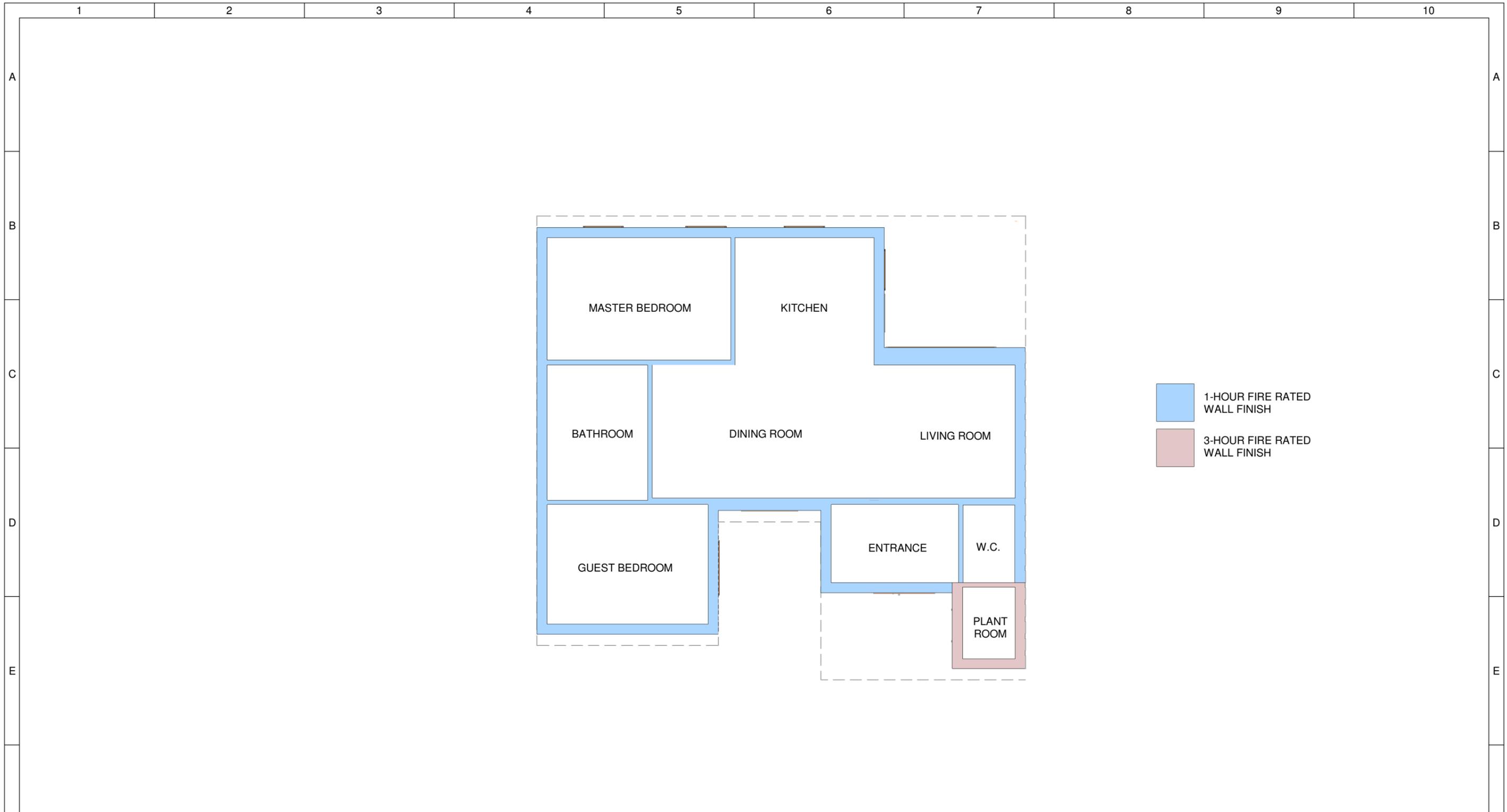
 MEANS OF EGRESS

CO<sub>2</sub> AND WATER EXTINGUISHERS

**1** Fire Compliances  
 1 : 100



 <b>Desert Rose</b> Team UOW Australia - Dubai	Team: TEAM UOW Address: UNIVERSITY OF WOLLONGONG WOLLONGONG NSW, AUSTRALIA 2522	Client: Dubai Electricity and Water Authority 	AMENDMENTS				COPYRIGHT None; Project is Public		 NORTH	<b>FIRE RATING COMPLIANCES</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 Layout</td> <td>09/09/18</td> <td>VP</td> <td>JR</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 Layout	09/09/18	VP	JR	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.W.YEAP</td> </tr> <tr> <td>CHECKED</td> <td>T.VERKERK</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	J.W.YEAP	CHECKED	T.VERKERK	DATE	20 February, 2018
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 1-HOUR FIRE RATED WALL FINISH  
 3-HOUR FIRE RATED WALL FINISH

**1** Fire Rate Wall Finish Plan  
1 : 100

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	Contact: sd-2018@uow.edu.au www.desertrosehouse.com.au	 <b>SOLAR DECATHLON</b> MIDDLE EAST DUBAI, UAE - 2018					LOT # M DRAWER J.ROTH CHECKED V.PHAM DATE 9, September SCALE 1 : 100 @ A3	SHEET: 02 OF 03		



- ESTIMATED 1-HOUR+ FIRE RATED GLAZED GLASS
- 2-HOUR FIRE RATED DOOR FINISH
- ESTIMATED 1-HOUR+ FIRE RATING DOOR FINISH

**1** Fire Rate Windows and Doors Finish Plan  
1 : 100



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 WOLLONGONG  
 NSW, AUSTRALIA 2522  
**Contact:** sd-2018@uow.edu.au  
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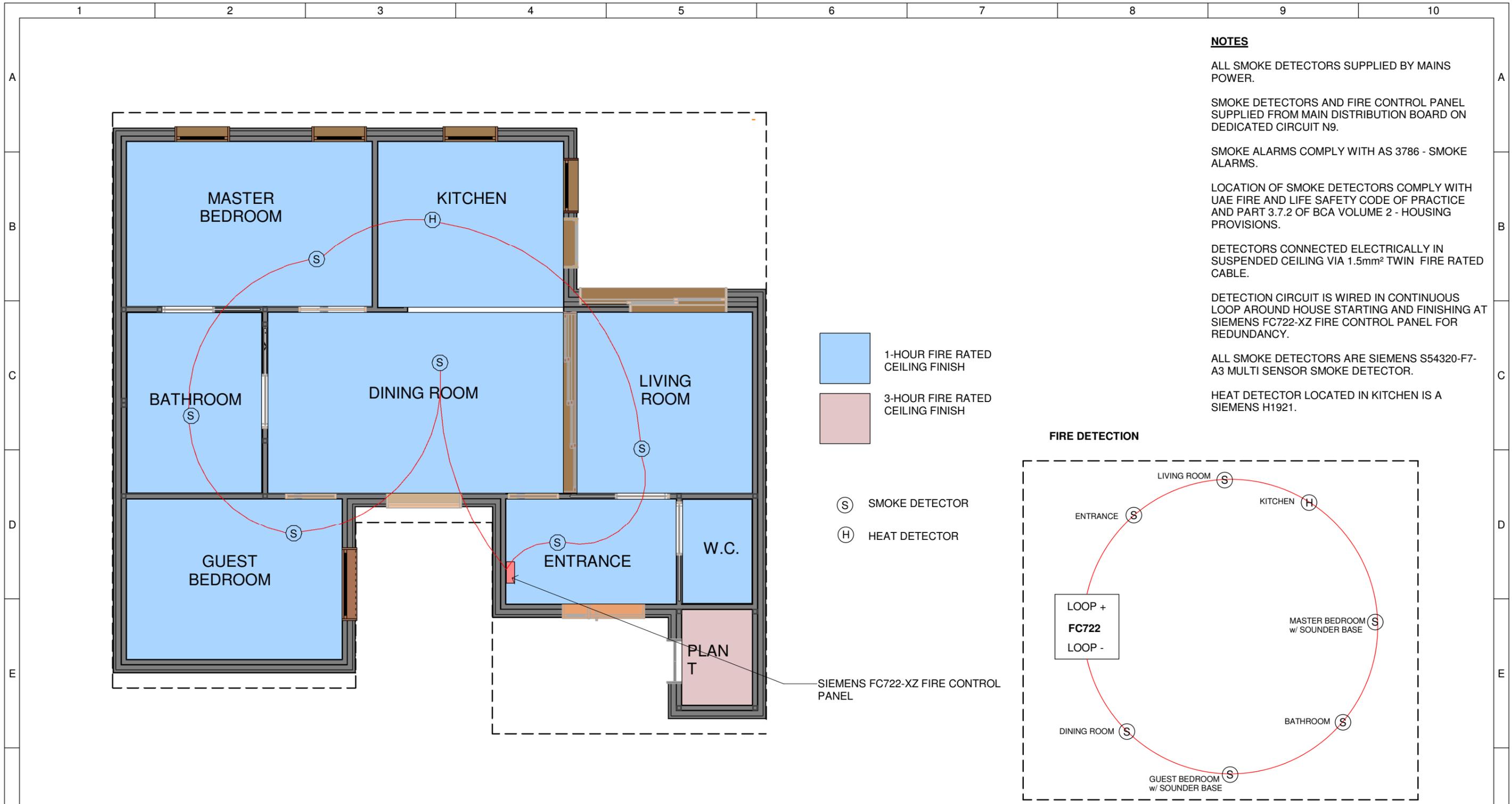
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**DRAWER** V.PHAM  
**CHECKED** J.ROTH  
**DATE** 15, September  
**SCALE** 1 : 100 @ A3



**FIRE RATING WINDOWS AND DOORS**  
**FP-001**  
 SHEET: 03 OF 03



**NOTES**

ALL SMOKE DETECTORS SUPPLIED BY MAINS POWER.

SMOKE DETECTORS AND FIRE CONTROL PANEL SUPPLIED FROM MAIN DISTRIBUTION BOARD ON DEDICATED CIRCUIT N9.

SMOKE ALARMS COMPLY WITH AS 3786 - SMOKE ALARMS.

LOCATION OF SMOKE DETECTORS COMPLY WITH UAE FIRE AND LIFE SAFETY CODE OF PRACTICE AND PART 3.7.2 OF BCA VOLUME 2 - HOUSING PROVISIONS.

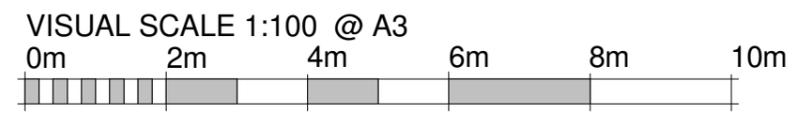
DETECTORS CONNECTED ELECTRICALLY IN SUSPENDED CEILING VIA 1.5mm<sup>2</sup> TWIN FIRE RATED CABLE.

DETECTION CIRCUIT IS WIRED IN CONTINUOUS LOOP AROUND HOUSE STARTING AND FINISHING AT SIEMENS FC722-XZ FIRE CONTROL PANEL FOR REDUNDANCY.

ALL SMOKE DETECTORS ARE SIEMENS S54320-F7-A3 MULTI SENSOR SMOKE DETECTOR.

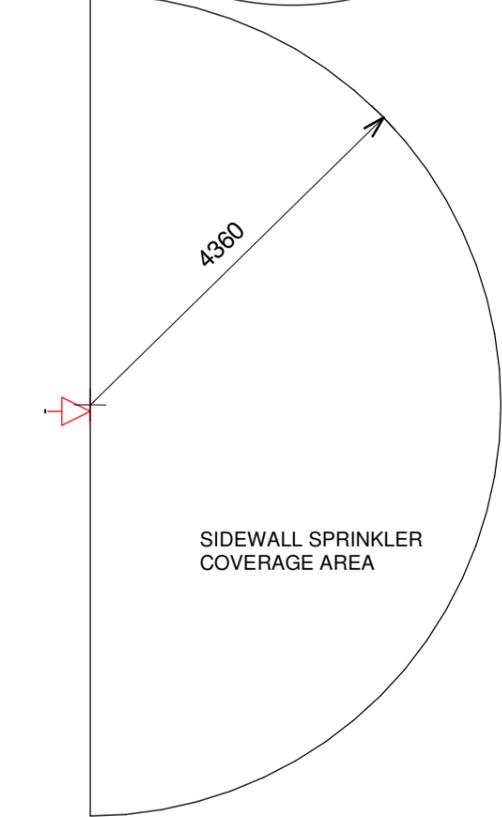
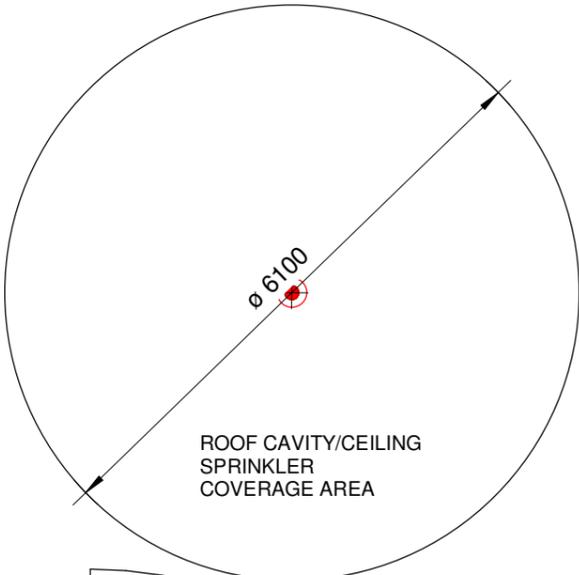
HEAT DETECTOR LOCATED IN KITCHEN IS A SIEMENS H1921.

**1** Fire Rate Ceiling Finish Plan  
1 : 75



	<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>JR</td> <td>VP</td> </tr> </tbody> </table>	REV.	DESCRIPTION	DATE	DRAWN	CHECK	1	Updated to As-Built	14/09/18	JR	VP	<b>COPYRIGHT</b> None; Project is Public <b>LOT # M</b> <b>DRAWER</b> L. FAIDUTTI <b>CHECKED</b> C. MCDOWELL <b>DATE</b> 20 February, 2018 <b>SCALE</b> 1 : 75 @ A3	 <b>NORTH</b> <b>SHEET:</b> 01 OF 01	<b>FIRE RATE CEILING FINISHING PLAN</b> <h1>FP-101</h1>
	REV.	DESCRIPTION	DATE	DRAWN	CHECK											
1	Updated to As-Built	14/09/18	JR	VP												
<p>1 2 3 4 5 6 7 8 9 10</p>																

**NOTE:** TO SCALE SPRINKLER COVERAGE RADII



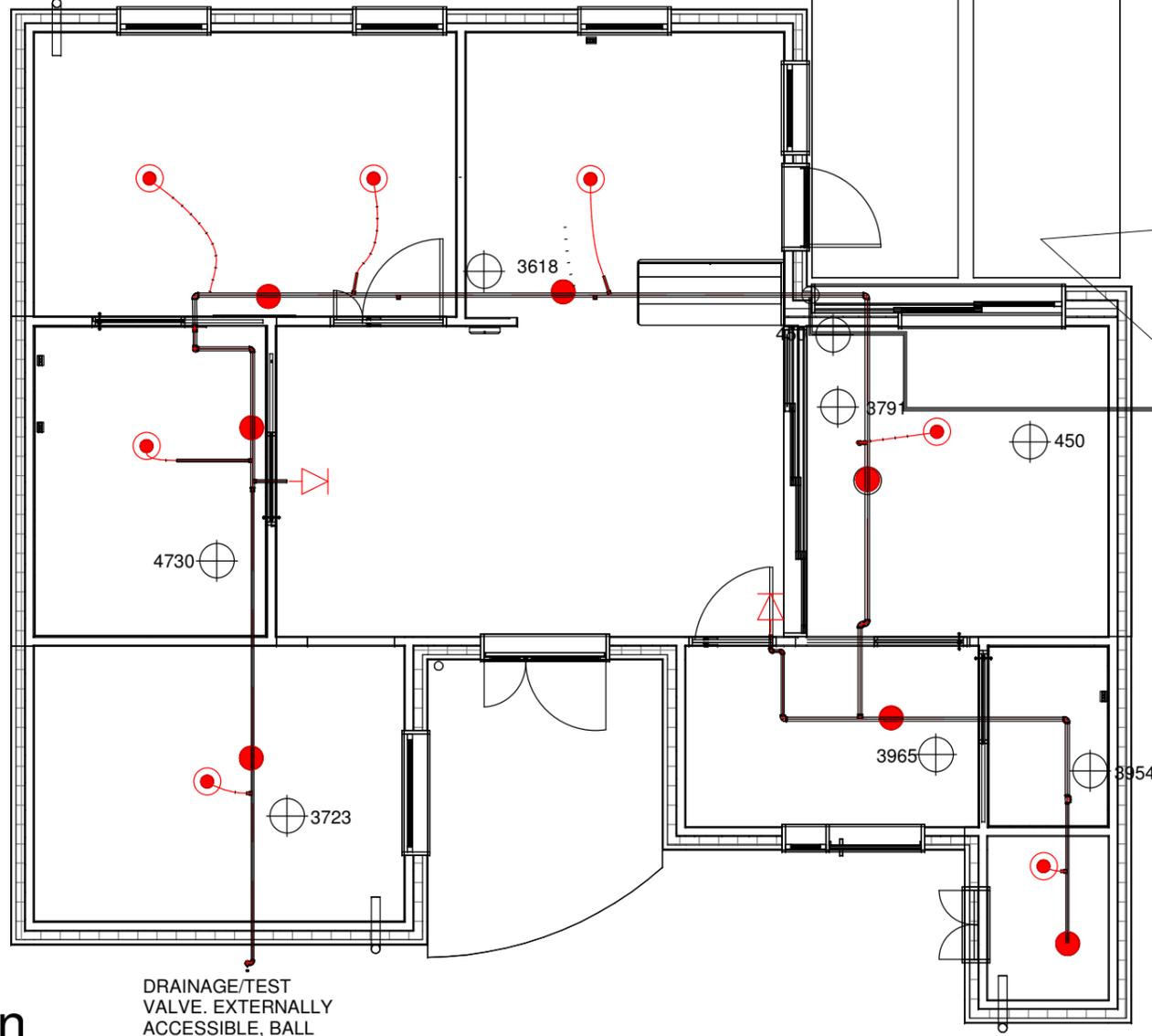
**NOTES**

CEILING AND ROOF CAVITY SPRINKLERS COVER A 6.1m DIAMETER AREA.

SIDEWALL SPRINKLERS COVER A 29.9m<sup>2</sup> CIRCULAR AREA DIRECTLY IN FRONT OF 180°

ALL ELEVATIONS ARE TAKEN WITH REFERENCE TO SURFACE LEVEL

-  SPOT ELEVATION
-  SPRINKLER IN ROOF CAVITY
-  SPRINKLER IN CEILING
-  SIDEWALL SPRINKLER



WATER INLET FROM POTABLE WATER TANK (SEE PL-201-1 FOR MORE DETAILS OF INLET)

REPRESENTATIVE ELECTRIC (WITH JOCKY PRESSURE BOOST) & PETROL FIRE PUMP

ZONE CONTROL VALVE ASSEMBLY - 50 DIA CHECK VALVE+ BOOSTER POINT+ SPRINKLER VALVE BOX+ 32 DIA ANNUBAR LINE

DRAINAGE/TEST VALVE. EXTERNALLY ACCESSIBLE, BALL VALVE SIT AT 450MM ELEVATION

VISUAL SCALE 1:75 @ A3



**1** Fire Suppression Plan  
1 : 75



**Desert Rose**  
Team UOW  
Australia - Dubai

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**AMENDMENTS**

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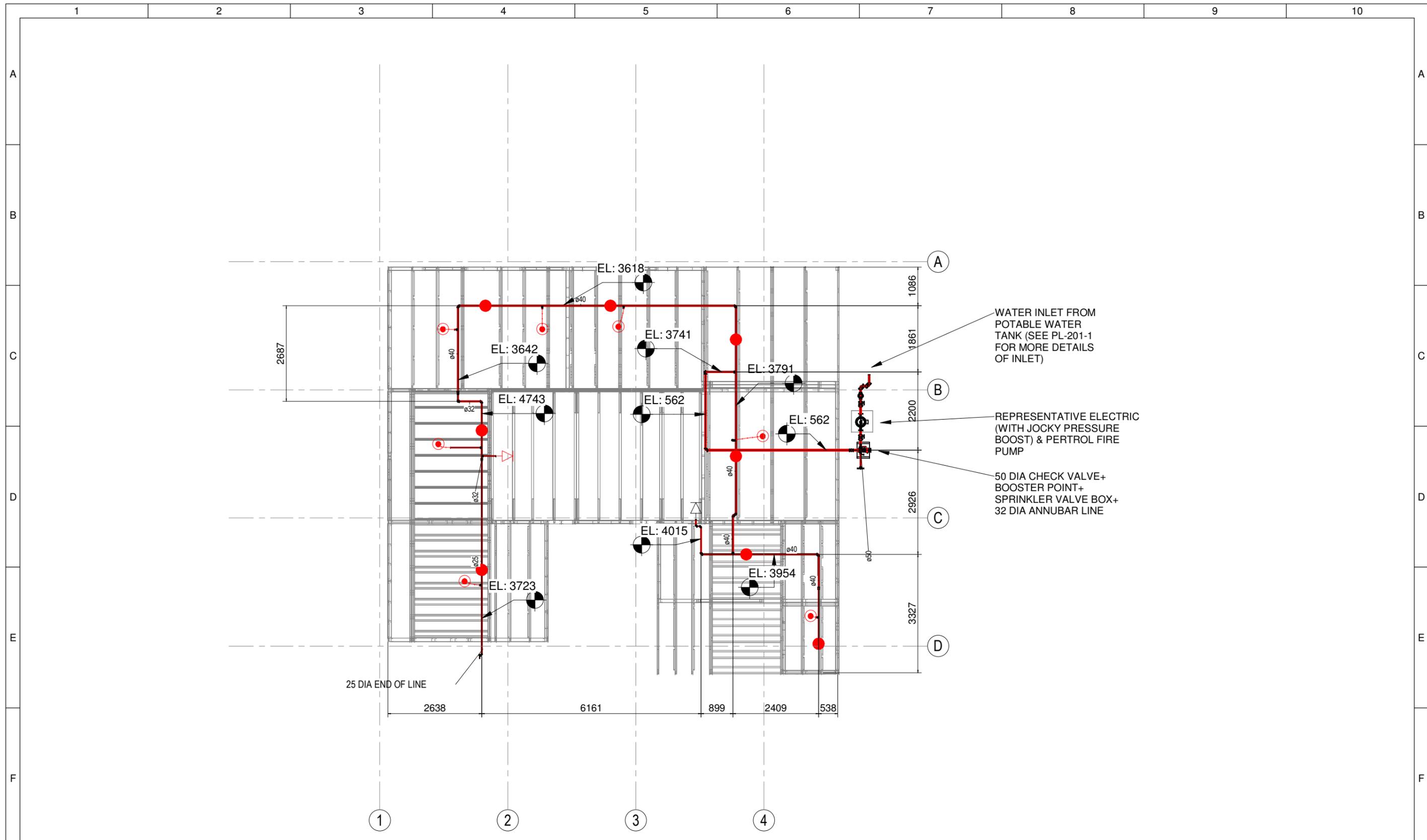
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**CHECKED** V.PHAM  
**DATE** 20 February, 2018  
**SCALE** 1 : 75 @ A3



**FIRE SUPPRESSION PLAN**

**SHEET:**  
01 OF 02

**FP-201**



WATER INLET FROM POTABLE WATER TANK (SEE PL-201-1 FOR MORE DETAILS OF INLET)

REPRESENTATIVE ELECTRIC (WITH JOCKY PRESSURE BOOST) & PETROL FIRE PUMP

50 DIA CHECK VALVE+ BOOSTER POINT+ SPRINKLER VALVE BOX+ 32 DIA ANNUBAR LINE

25 DIA END OF LINE

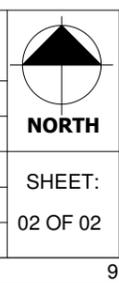


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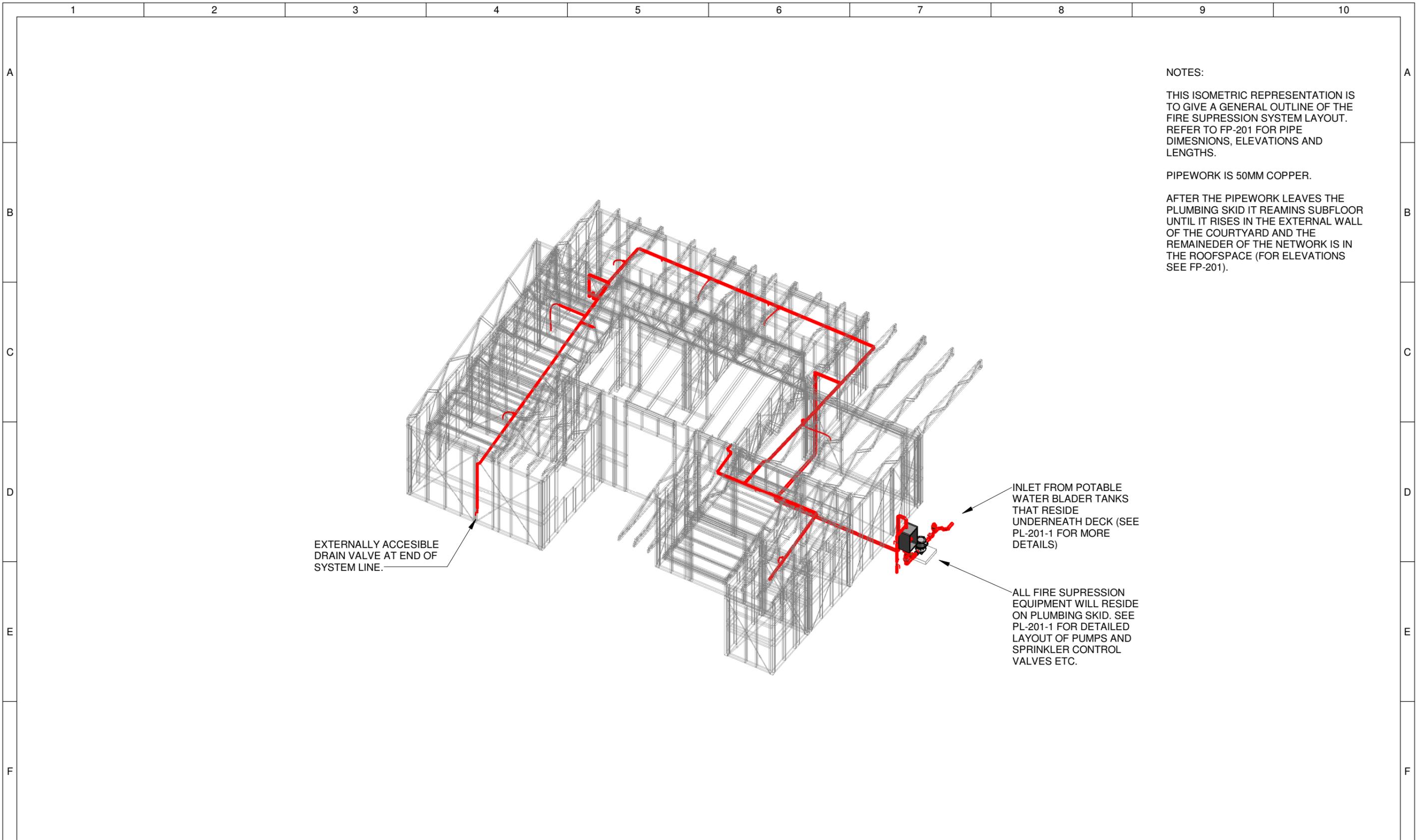
Client: Dubai Electricity and Water Authority  
 SOLAR DECATHLON MIDDLE EAST DUBAI, UAE - 2018

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DRAWER LSLANKAMENAC	
CHECKED D SIMPSON	
DATE 15 September, 2018	
SCALE 1 : 100 @ A3	



**FIRE SUPPRESSION LAYOUT**  
 SHEET: 02 OF 02  
**FP-201**



NOTES:

THIS ISOMETRIC REPRESENTATION IS TO GIVE A GENERAL OUTLINE OF THE FIRE SUPPRESSION SYSTEM LAYOUT. REFER TO FP-201 FOR PIPE DIMESNIONS, ELEVATIONS AND LENGTHS.

PIPEWORK IS 50MM COPPER.

AFTER THE PIPEWORK LEAVES THE PLUMBING SKID IT REAMINS SUBFLOOR UNTIL IT RISES IN THE EXTERNAL WALL OF THE COURTYARD AND THE REMAINDER OF THE NETWORK IS IN THE ROOFSPACE (FOR ELEVATIONS SEE FP-201).

 <p><b>Desert Rose</b> Team UOW Australia - Dubai</p>	<p>Team: TEAM UOW</p>	<p>Client:</p>  <p>Dubai Electricity and Water Authority</p> 	<p>AMENDMENTS</p> <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>15/9/18</td> <td>DS</td> <td>CM</td> </tr> </tbody> </table>				REV.	DESCRIPTION	DATE	DRAWN	CHECK	1	Updated to As-Built	15/9/18	DS	CM	<p>COPYRIGHT</p> <p>None; Project is Public</p>		<p><b>FIRE SUPPRESSION ISOMETRIC</b></p>
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