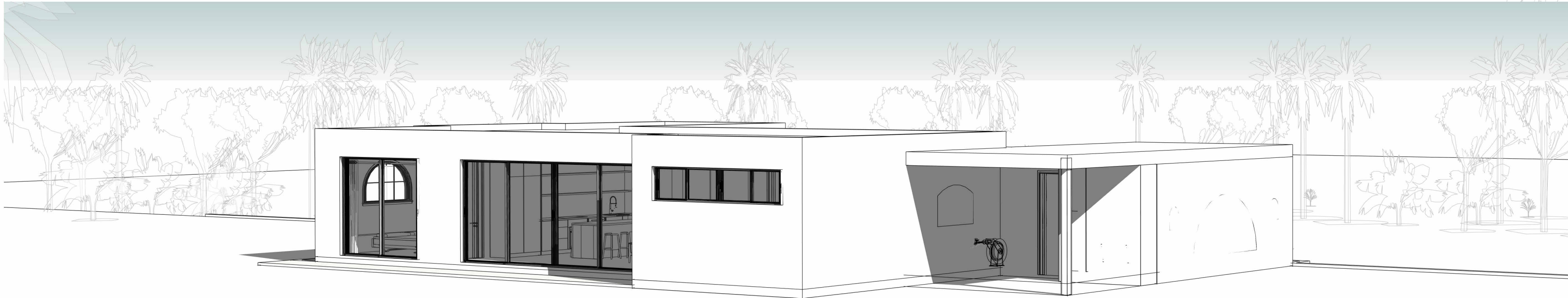


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## Firefly

**DRAWING TITLE:**  
Title Sheet

**DRAWN BY:**  
Mladin Monica-Mihaela

**SCALE:**

**DRAWING NO:**  
A01

**DATE:**  
04.03.2024

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**Firefly**

DRAWING TITLE:

Building Axonometry

DRAWN BY:

Mladin Monica-Mihaela

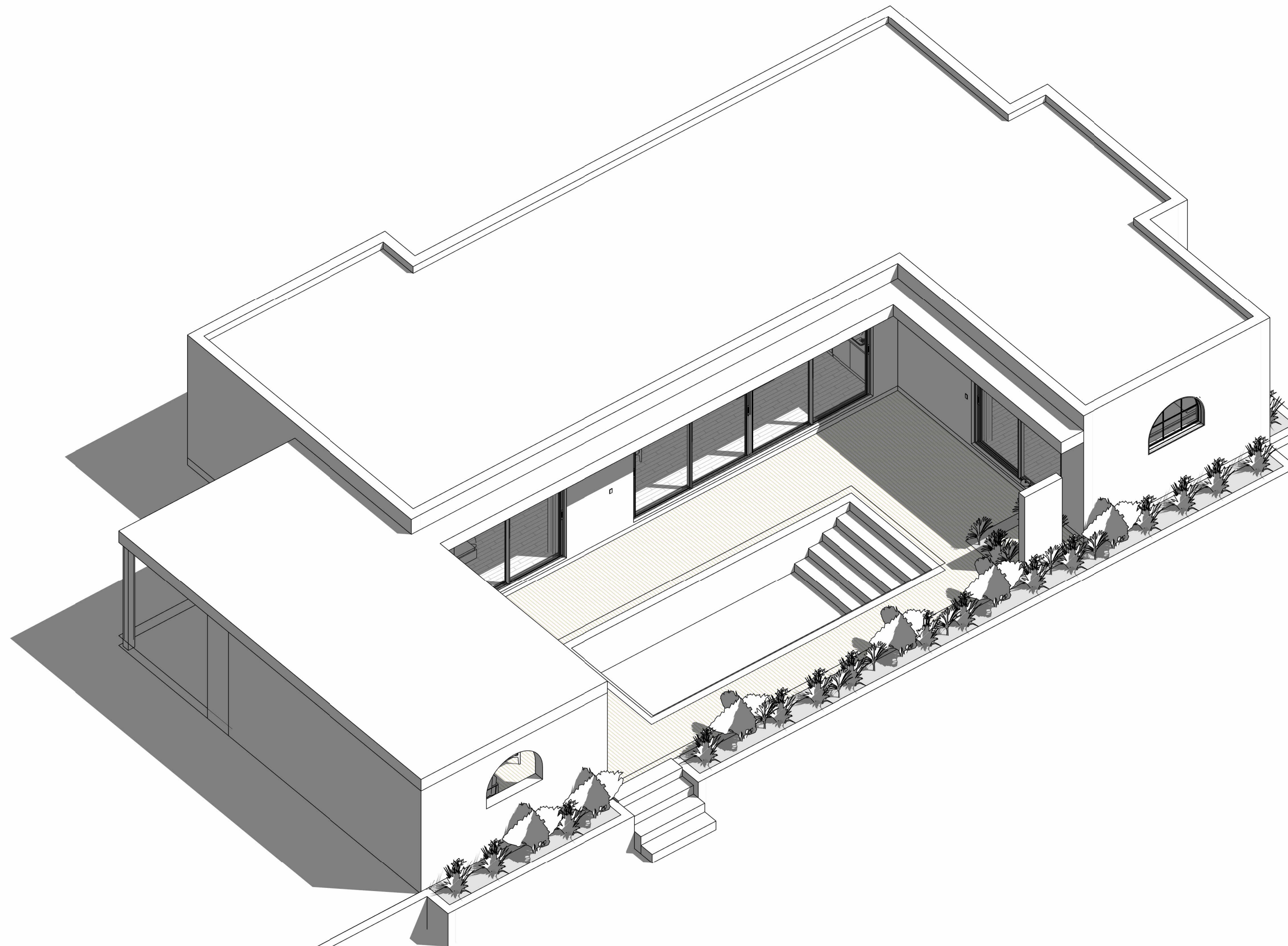
SCALE:

DRAWING NO:

A02

DATE:

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1 Axonometric View

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DRAWING TITLE:

Ground Floor Axonometry

DRAWN BY:

Mladin Monica-Mihaela

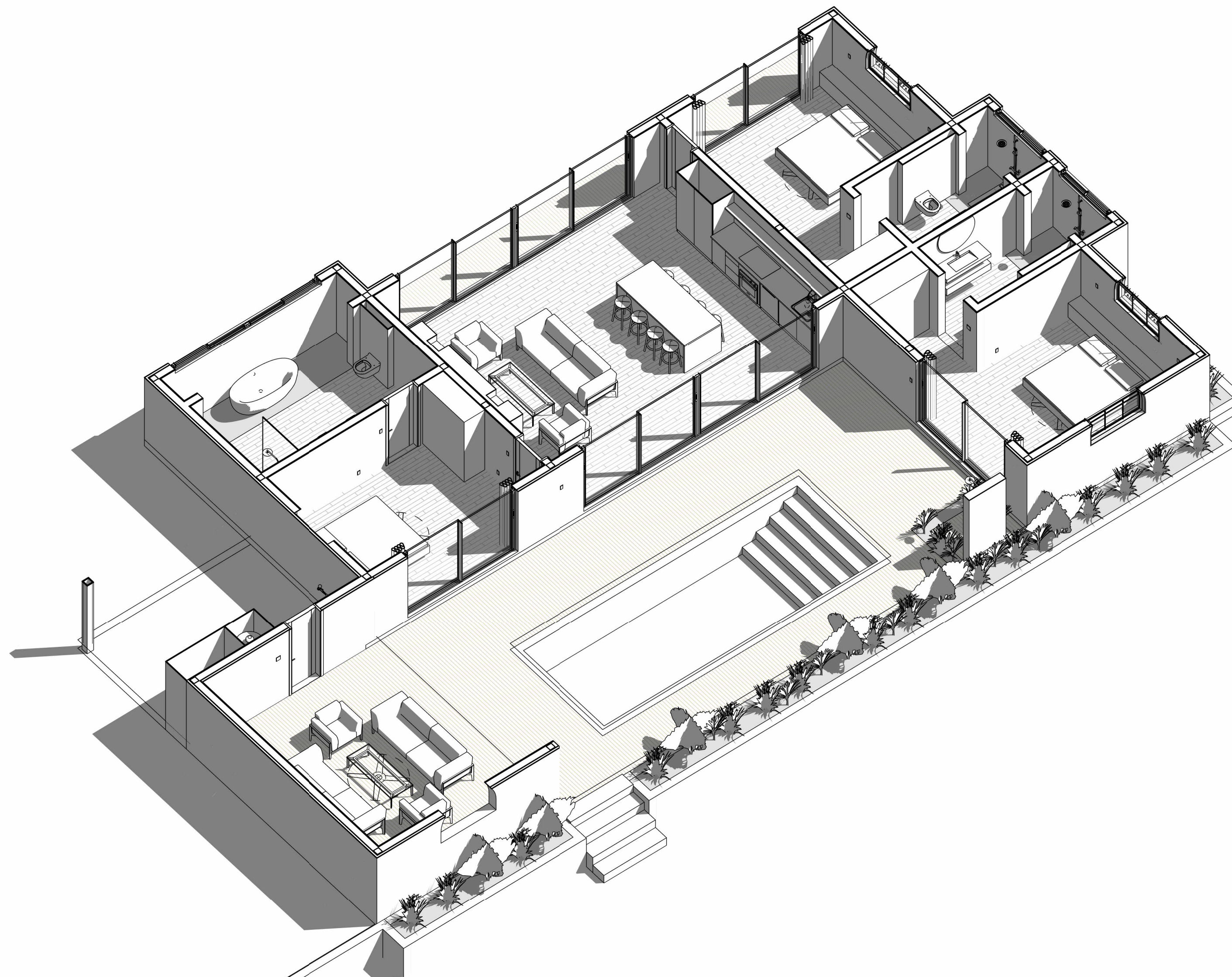
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A03

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**1** Axonometric Ground Floor View

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**Firefly**

**DRAWING TITLE:** Site Plan

**DRAWN BY:** Mladin Monica-Mihaela

**SCALE:** 1 : 70

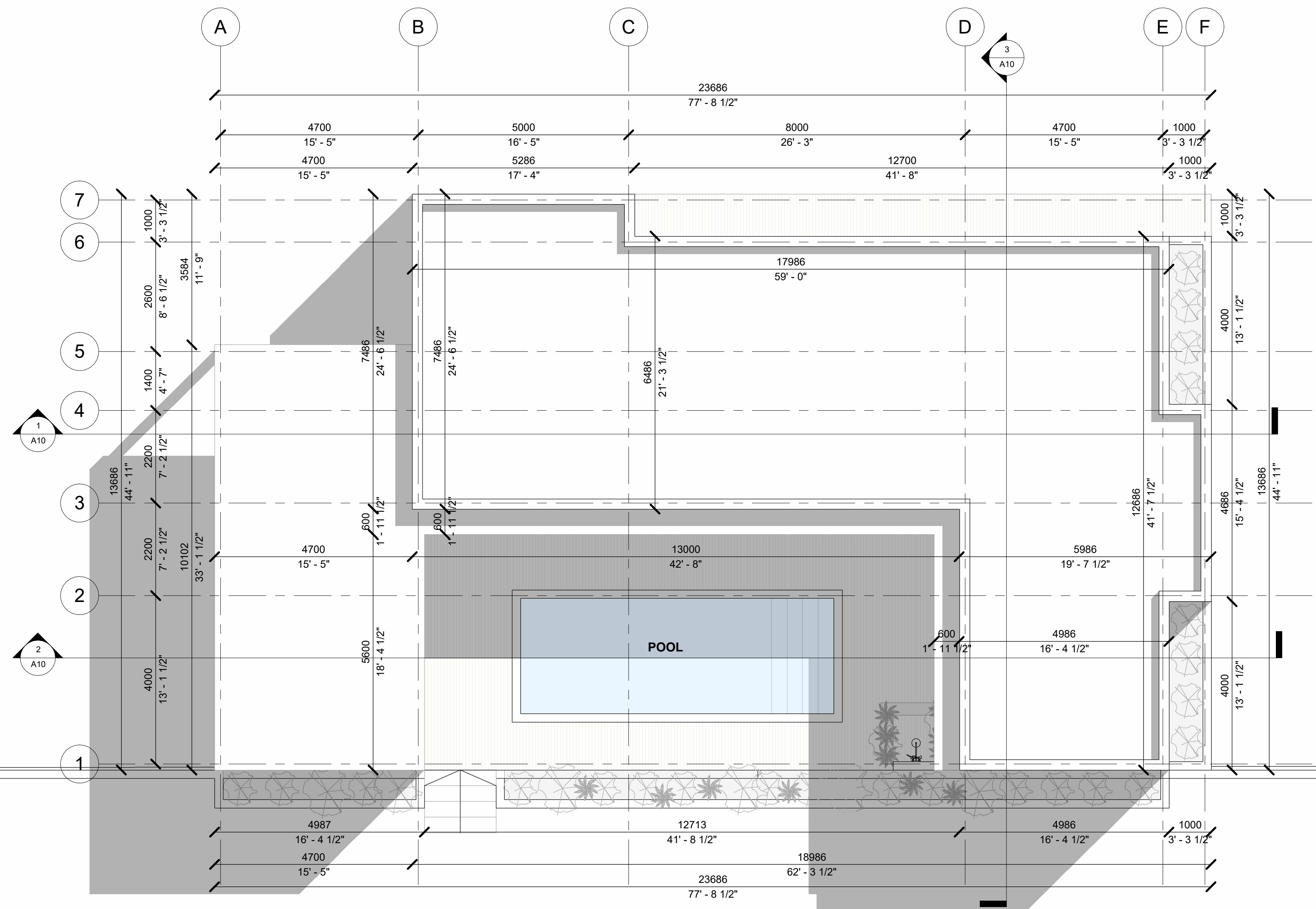
**DRAWING NO:** A05

**DATE:** 04.03.2024

**REAR ELEVATION**

**LEFT ELEVATION**

**RIGHT ELEVATION**



**FRONT ELEVATION**

**Building Footprint:** 157.542 Sqm , 1695.766 Sq feet  
**Outdoor Covered Terrace:** 28.25 Sqm, 304.080 Sq feet  
**Pool Terrace Area:** 54.02 Sqm, 581.466 Sq feet  
**Carpport:** 15.46 Sqm, 166.410 Sq feet  
**Pool Area:** 24.60 Sqm, 264.792 Sq feet  
**Total construction footprint:** 279.872 Sqm, 3012.514 Sq feet

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Sun Analysis

DRAWN BY:

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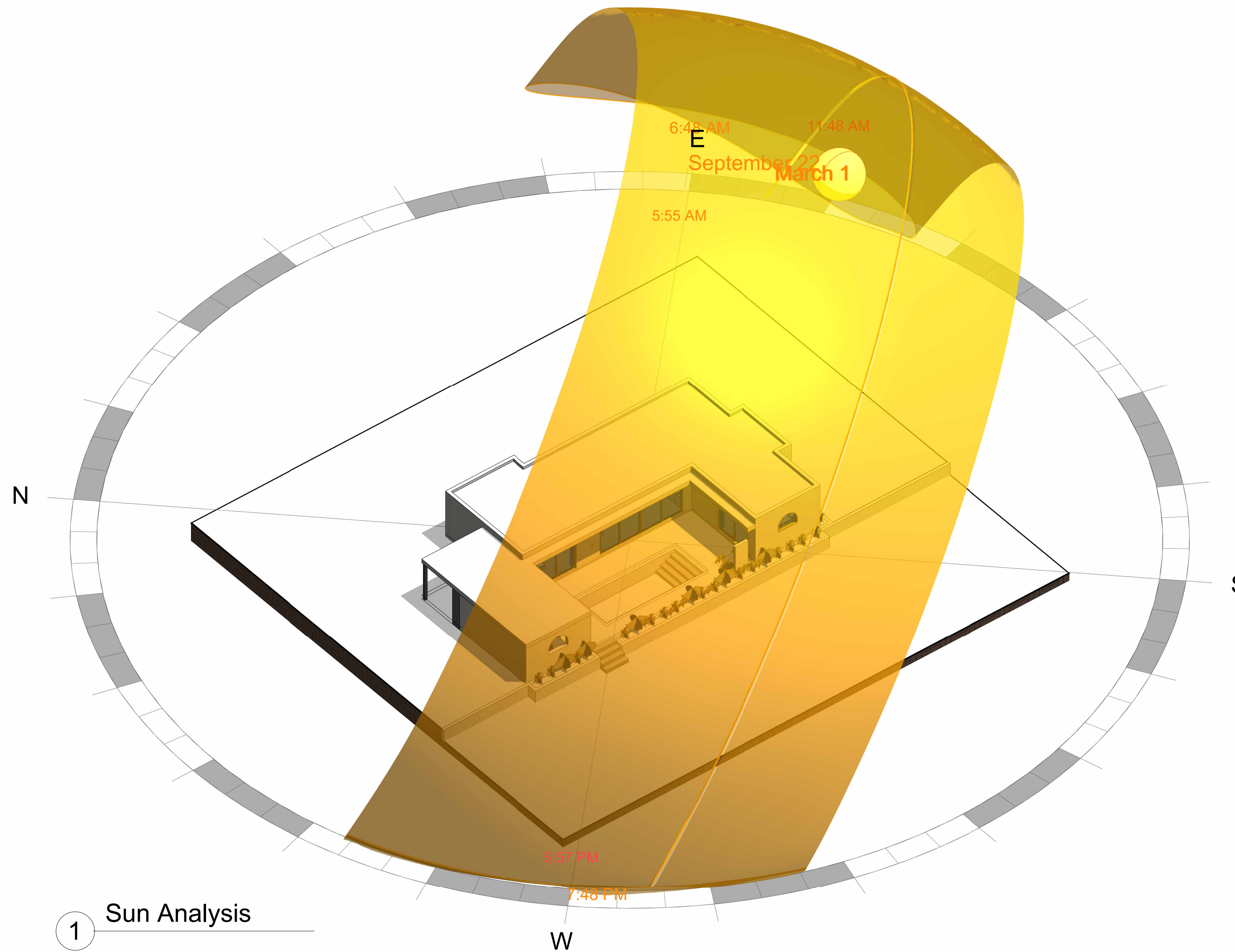
SCALE:

DRAWING NO:

A06

DATE:

04.03.2024

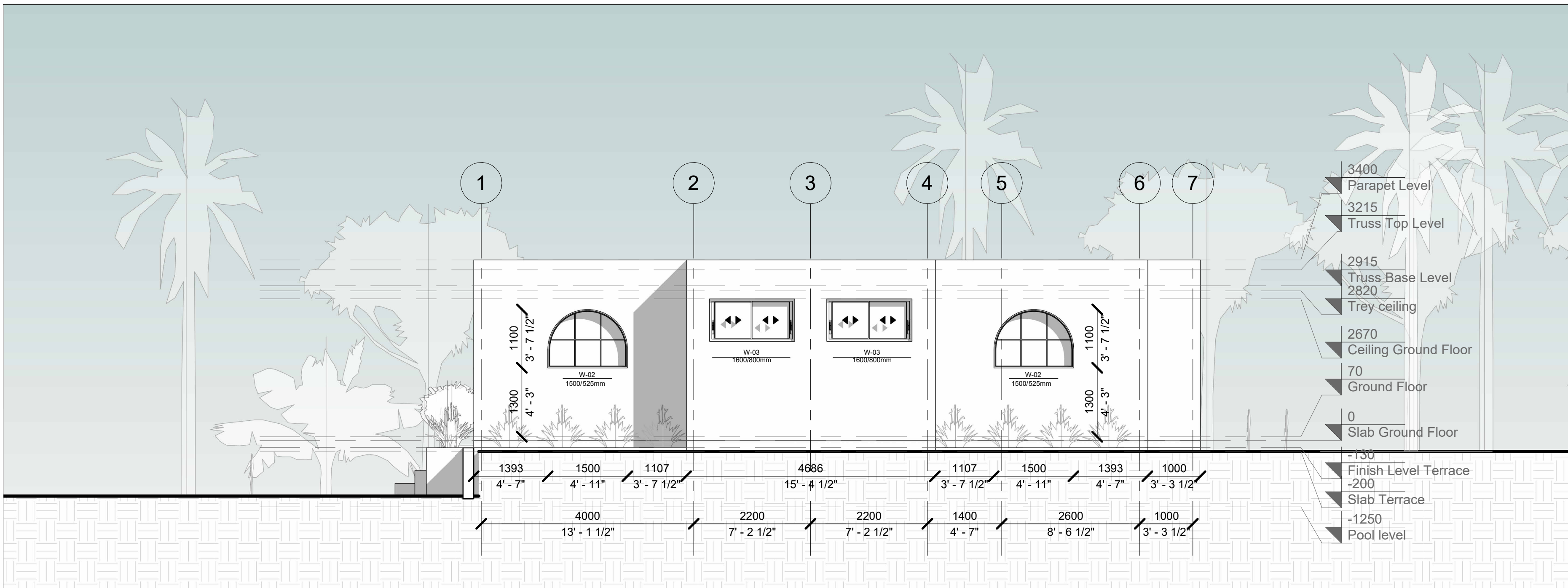


1 Sun Analysis

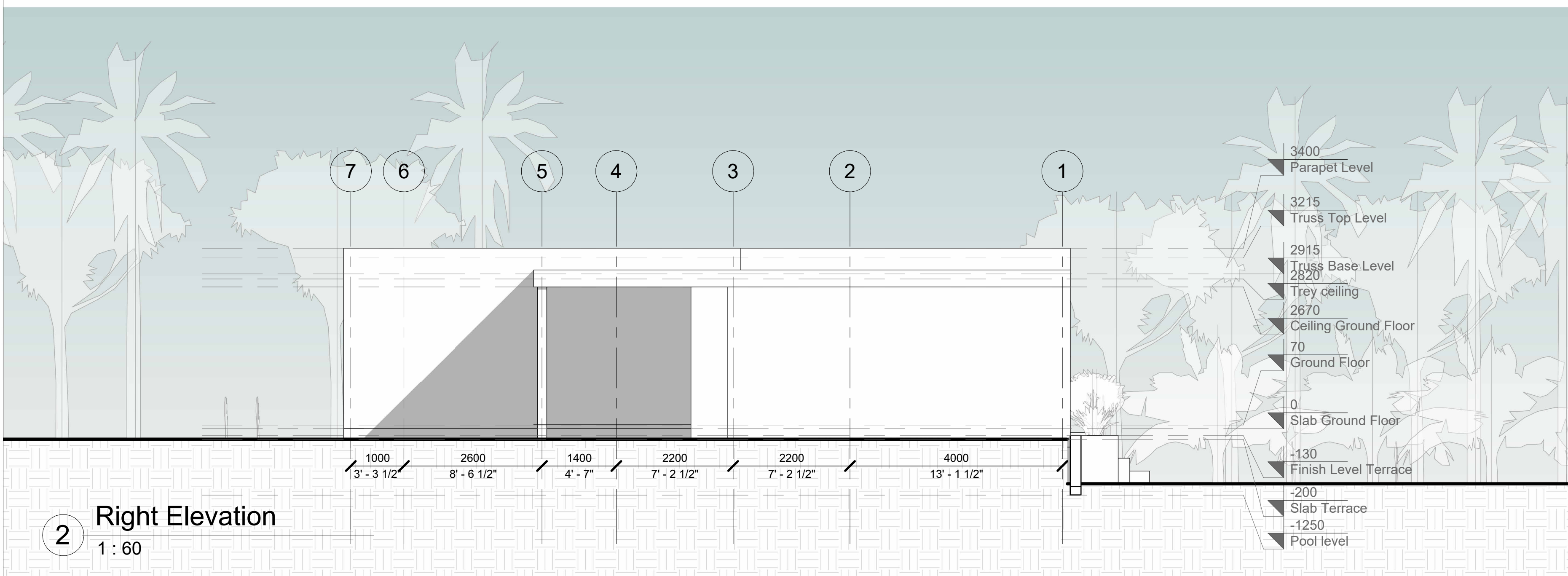




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**1** Left Elevation  
1 : 60



**2** Right Elevation  
1 : 60

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## Firefly

DRAWING TITLE: Elevations

DRAWN BY: Mladin Monica-Mihaela

SCALE: 1 : 60

DRAWING NO: A09

DATE: 04.03.2024



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## Firefly

**DRAWING TITLE:**

Sections

**DRAWN BY:**

Mladin Monica-Mihaela

**SCALE:**

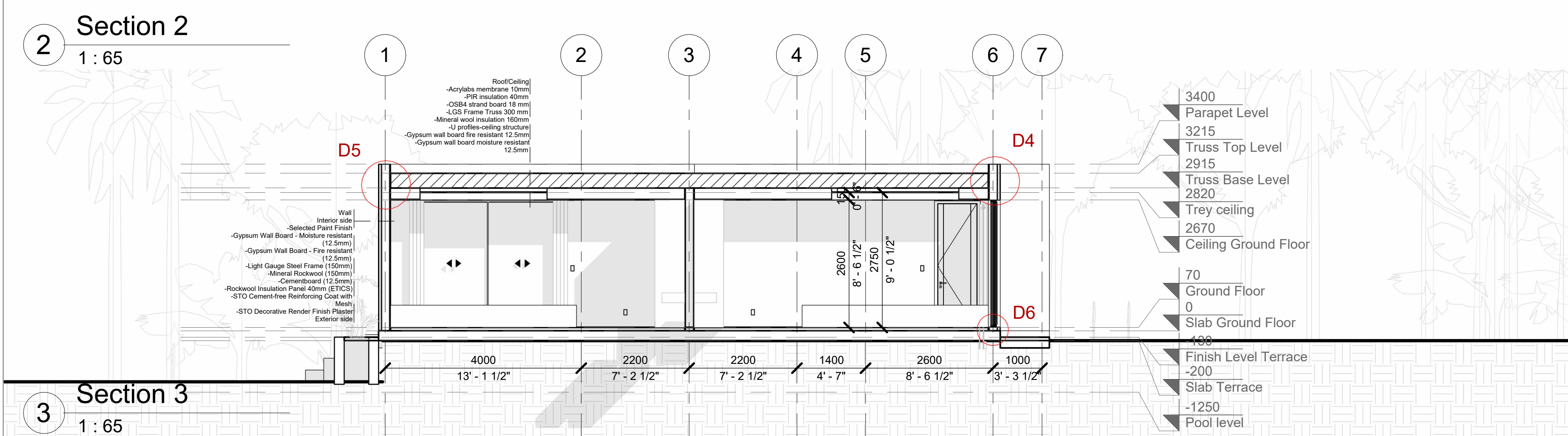
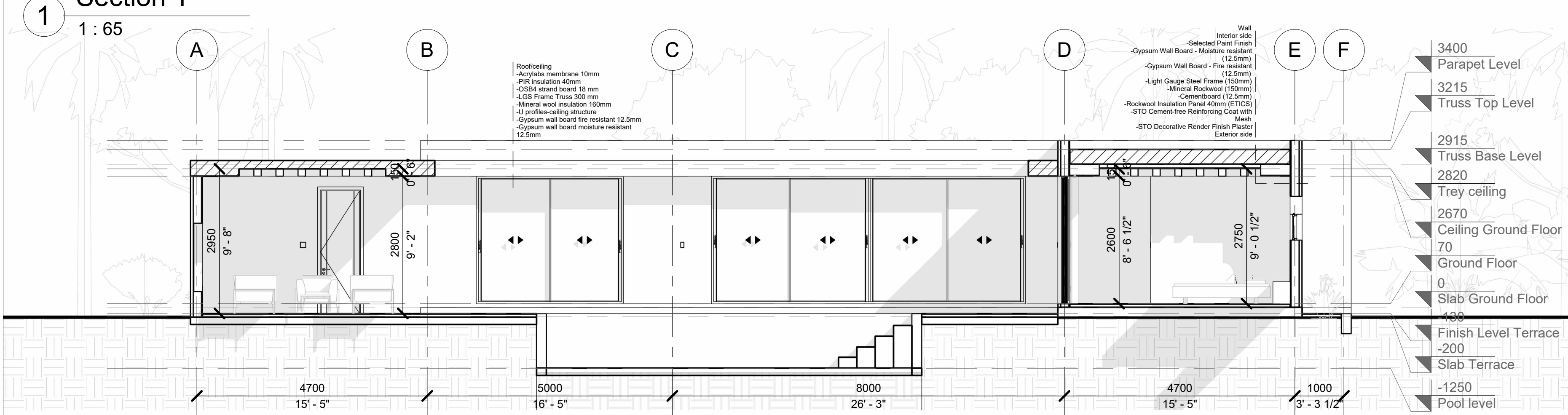
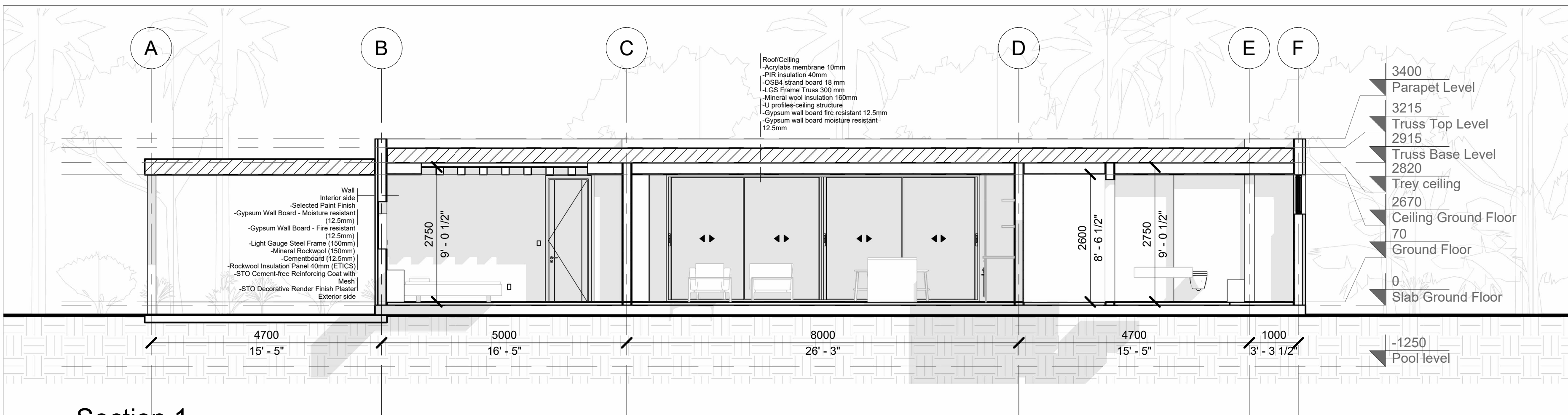
1 : 65

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A10

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# Firefly

**DRAWING TITLE:**  
Openings Schedule

**DRAWN BY:**  
Mladin Monica-Mihaela

**SCALE:**  
As indicated

**DRAWING NO:**  
A11

**DATE:**  
04.03.2024

## Openings Schedule

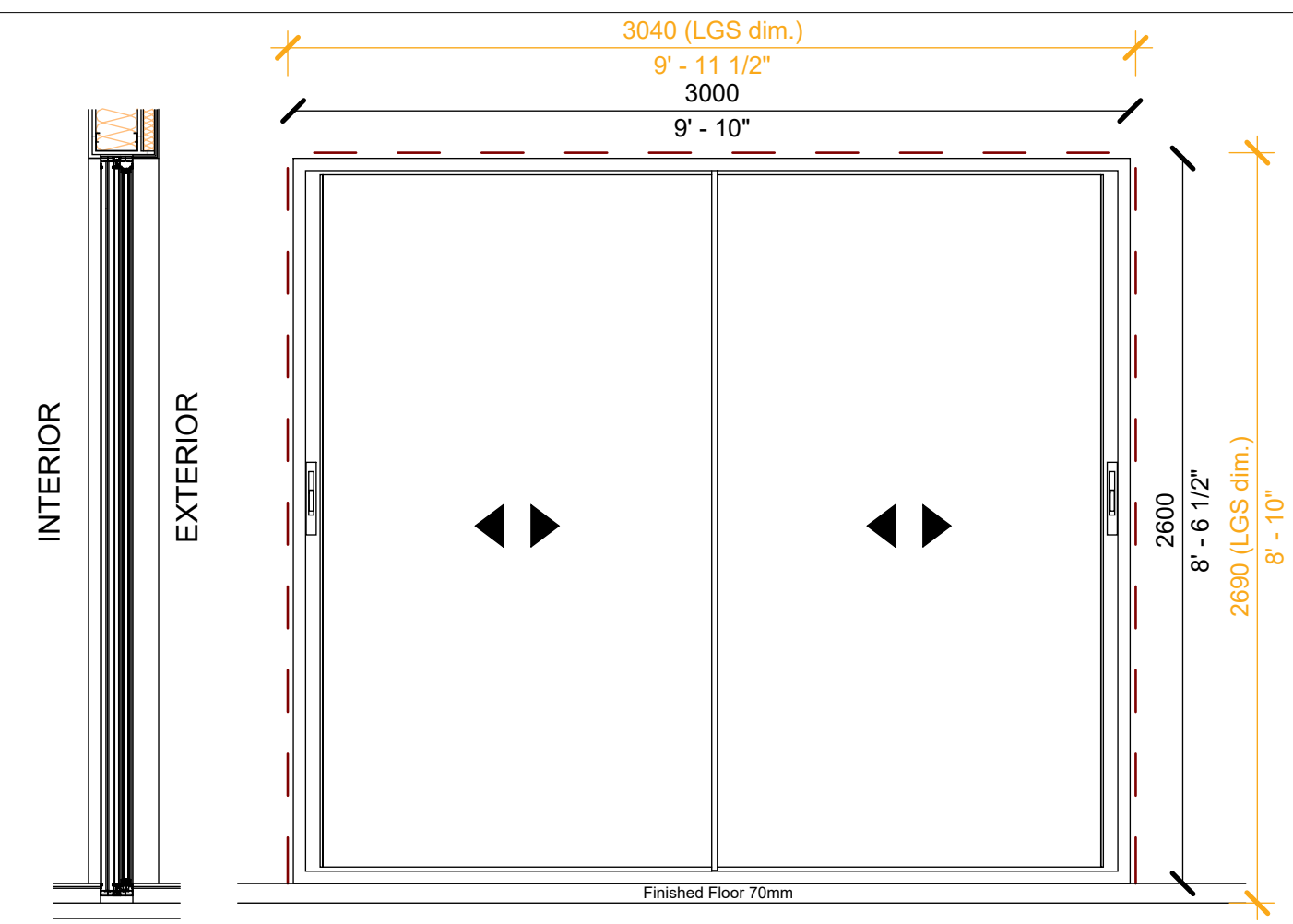
### Doors

Name	Size	R.O. Size	Count	Type	Frame Colour	No. of leaves	Hinge side	Sill height	Lock
D01	800x2600	843x2690	1	Exterior - Casement	-	1	right	70	Yes
D02	800x2500	843x2590	3	Interior - Casement	-	1	1pcs right 2pcs left	70	Yes

### Windows

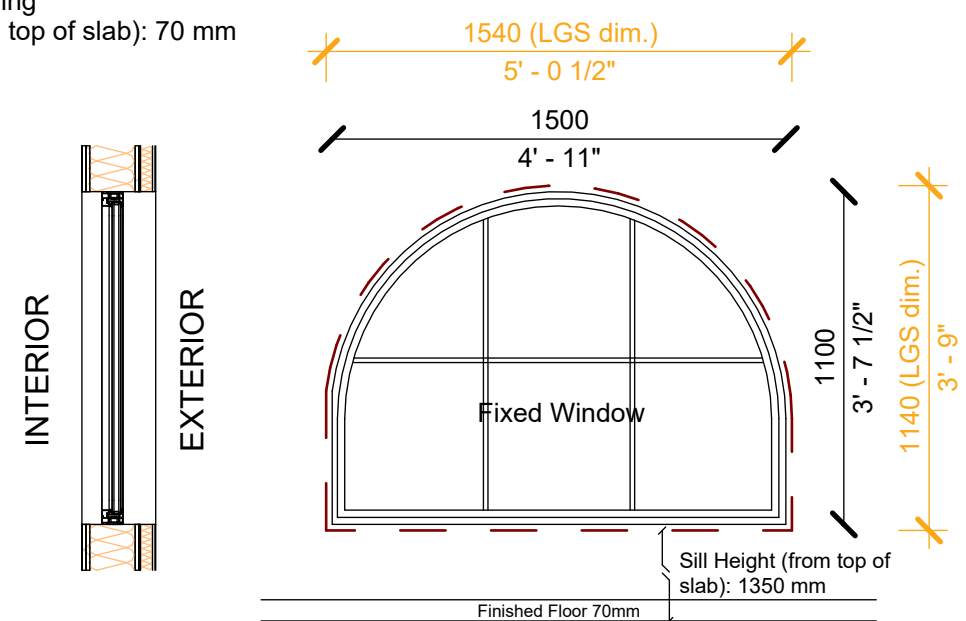
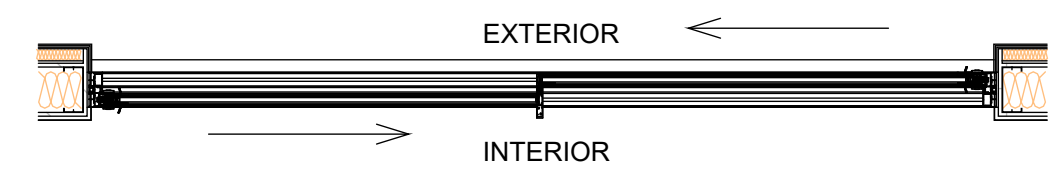
Name	Size	R.O. Size	Count	Opening Direction	Frame Colour	No. of leaves	Hinge side	Sill height	Lock
W01	3000x2600	3040x2690	3	Sliding	Anthracite	2	Sliding	70	Yes
W02	1500x1100	1540x1140	3	Fixed- with mullions	Anthracite	1	Fixed	1350	-
W03	1600x800	1640x840	2	Sliding	Anthracite	2	Sliding	1850	Yes
W04	4000x800	4040x840	1	Fixed/Sliding	Anthracite	4	Fixed/Sliding	1850	Yes
W05	6400x2600	6440x2640	2	Sliding	Anthracite	4	Sliding	70	Yes

Note:  
• Hinge Side - Always viewed from inside  
• Sill height is from top of slab/structure



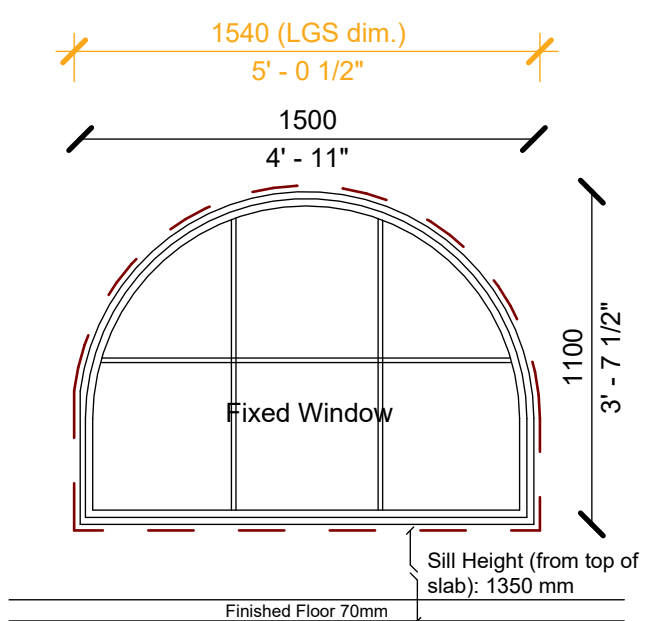
**W01**

Type: Cor Vision  
Size: 3000/2600 mm  
R.O. Size: 3040/2690 mm  
Colour: Anthracite  
Nr. of leaves: 2  
Total Piece: 3  
Hinge Side: Sliding  
Sill Height (from top of slab): 70 mm



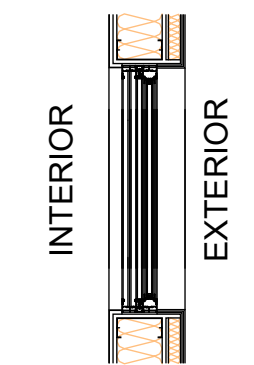
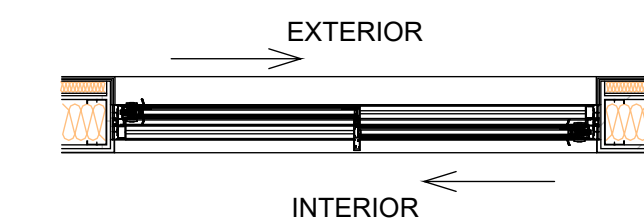
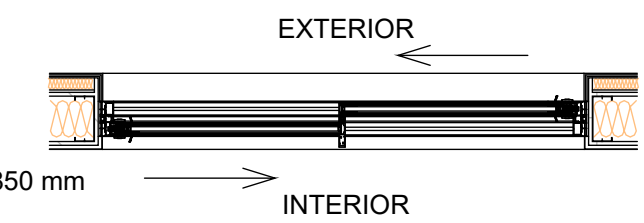
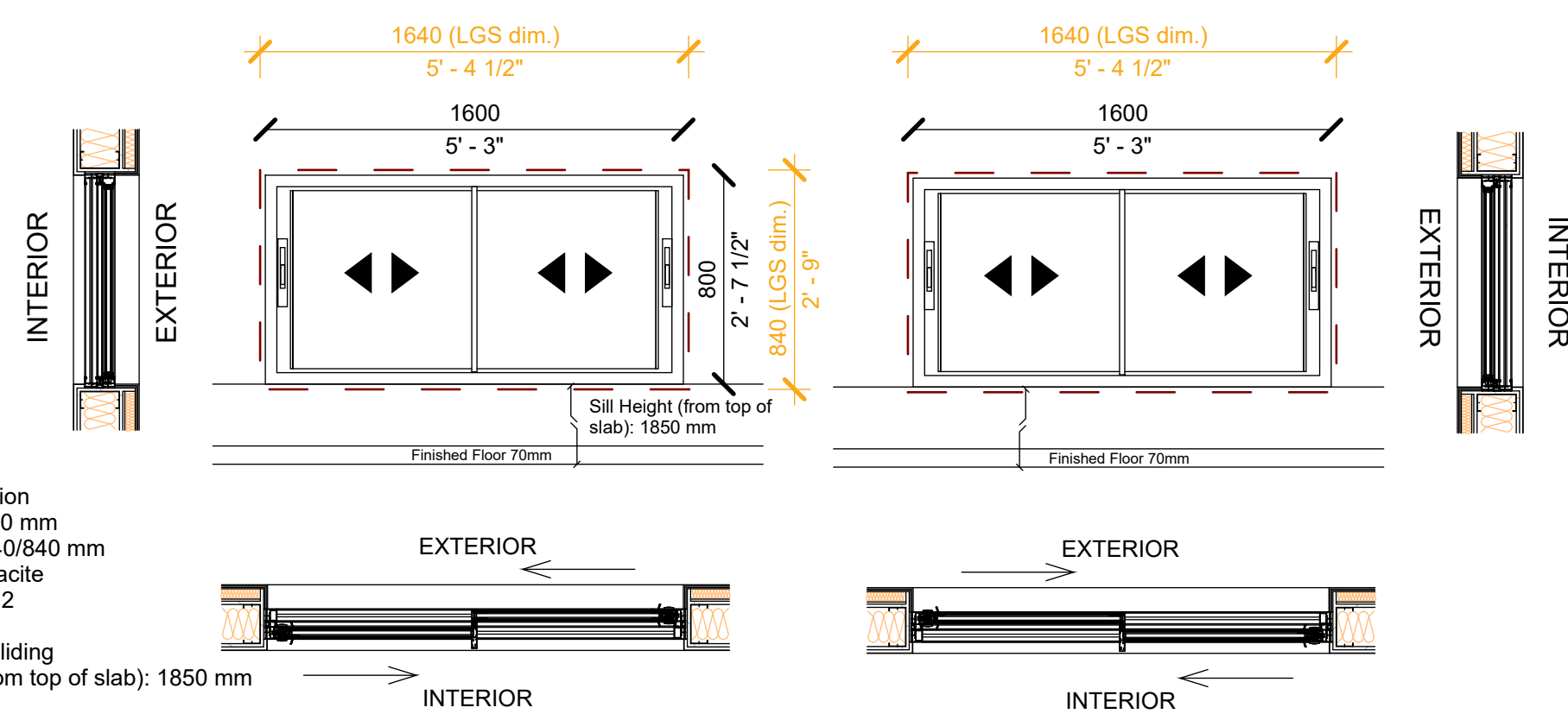
**W02**

Type: Cor Vision  
Size: 1500/1100 mm  
R.O. Size: 1540/1140 mm  
Colour: Anthracite  
Nr. of leaves: 1  
Total Piece: 3  
Hinge Side: Fixed  
Sill Height (from top of slab): 1350 mm  
With mullions



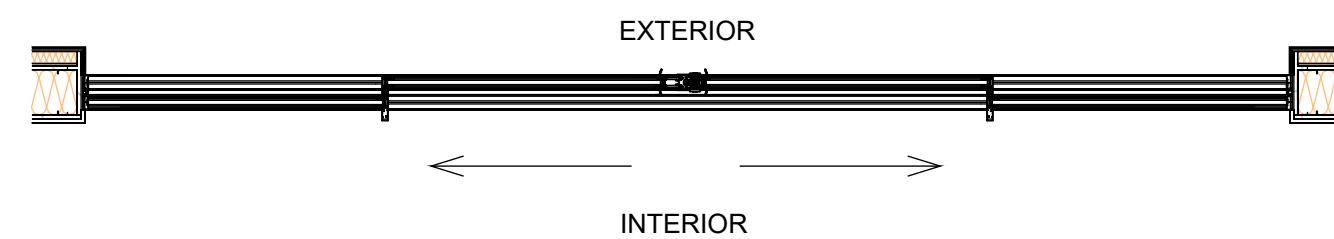
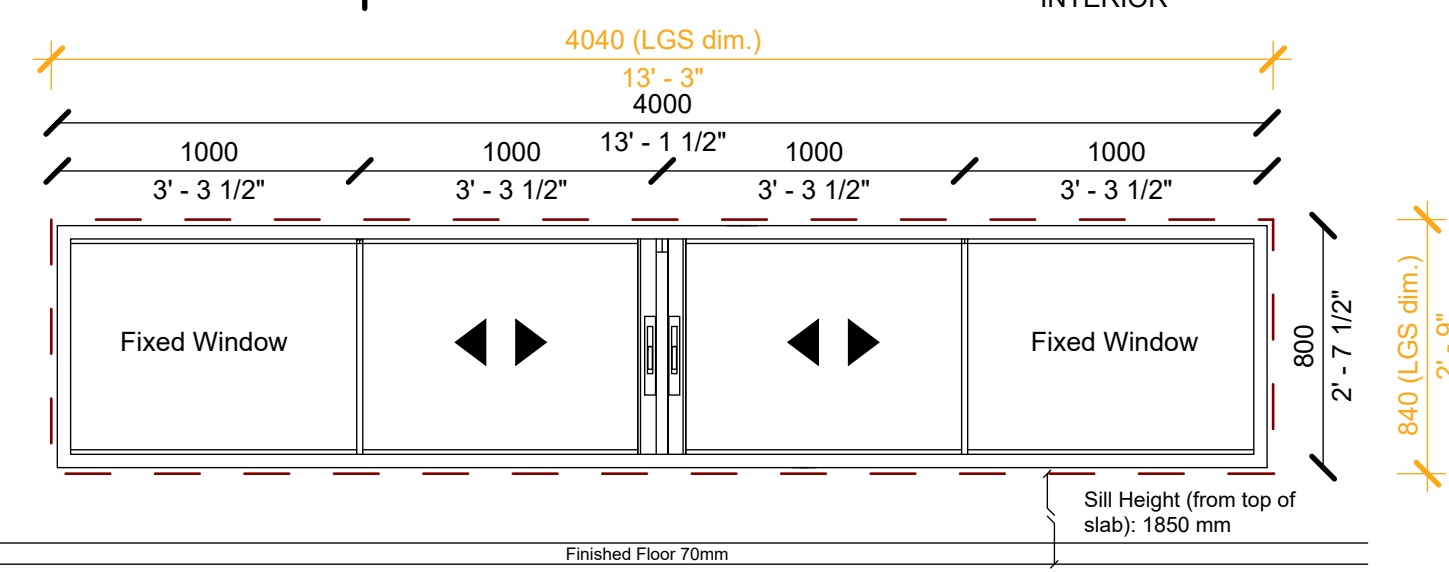
**W03**

Type: Cor Vision  
Size: 1600/800 mm  
R.O. Size: 1640/840 mm  
Colour: Anthracite  
Nr. of leaves: 2  
Total Piece: 2  
Hinge Side: Sliding  
Sill Height (from top of slab): 1850 mm



**W04**

Type: Cor Vision  
Size: 4000/800 mm  
R.O. Size: 4040/840 mm  
Colour: Anthracite  
Nr. of leaves: 4  
Total Piece: 1  
Hinge Side: Fixed/sliding  
Sill Height (from top of slab): 1850 mm



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## Firefly

DRAWING TITLE:

Opening Schedule 2

DRAWN BY:

Mladin Monica-Mihaela

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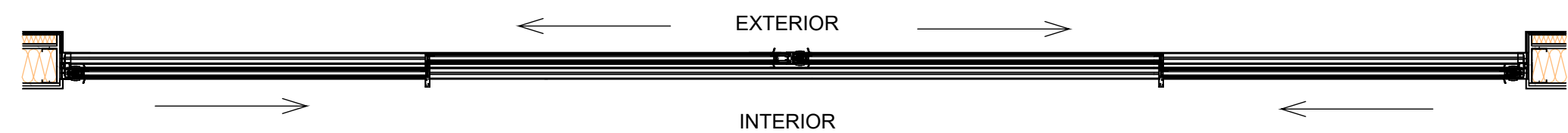
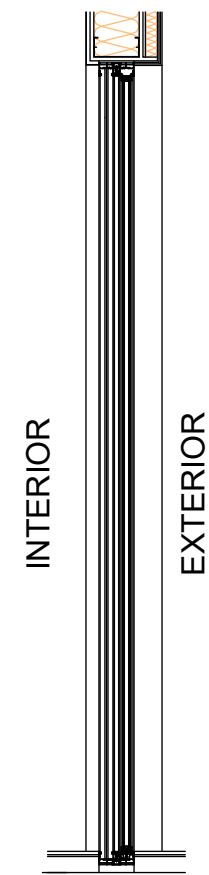
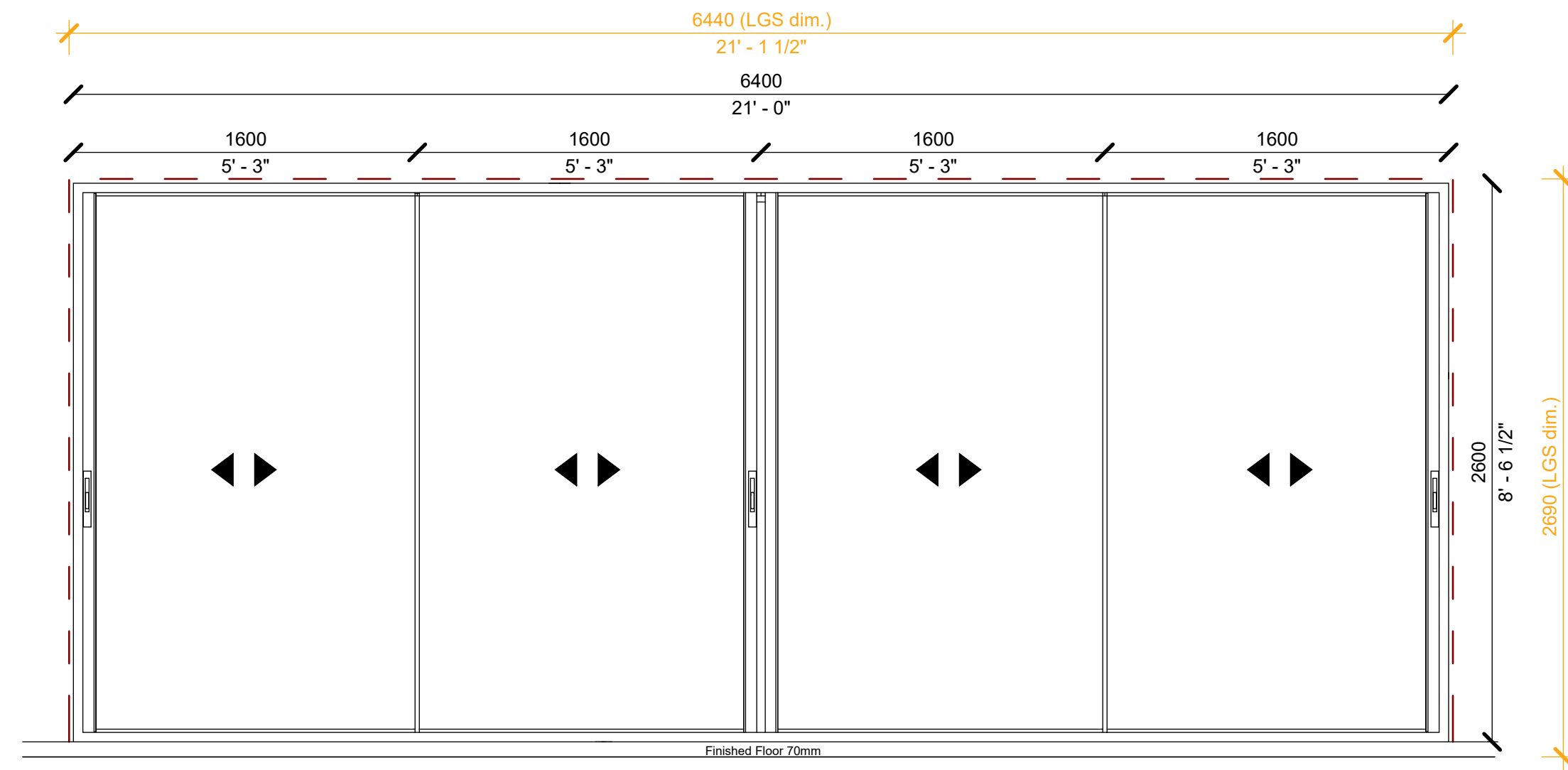
As indicated

DRAWING NO:

A12

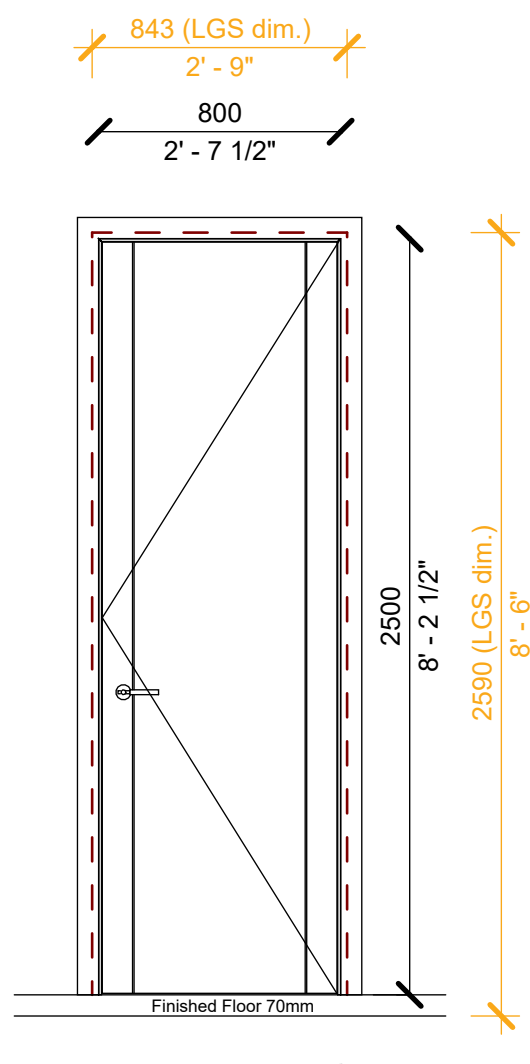
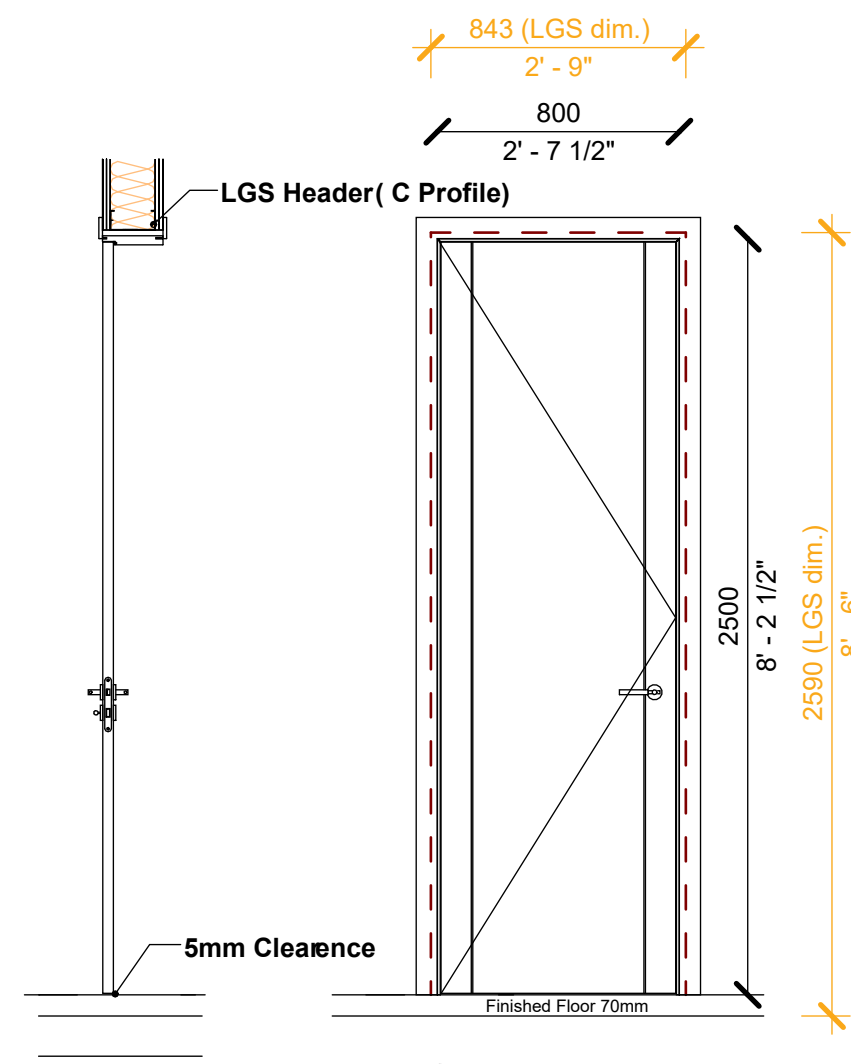
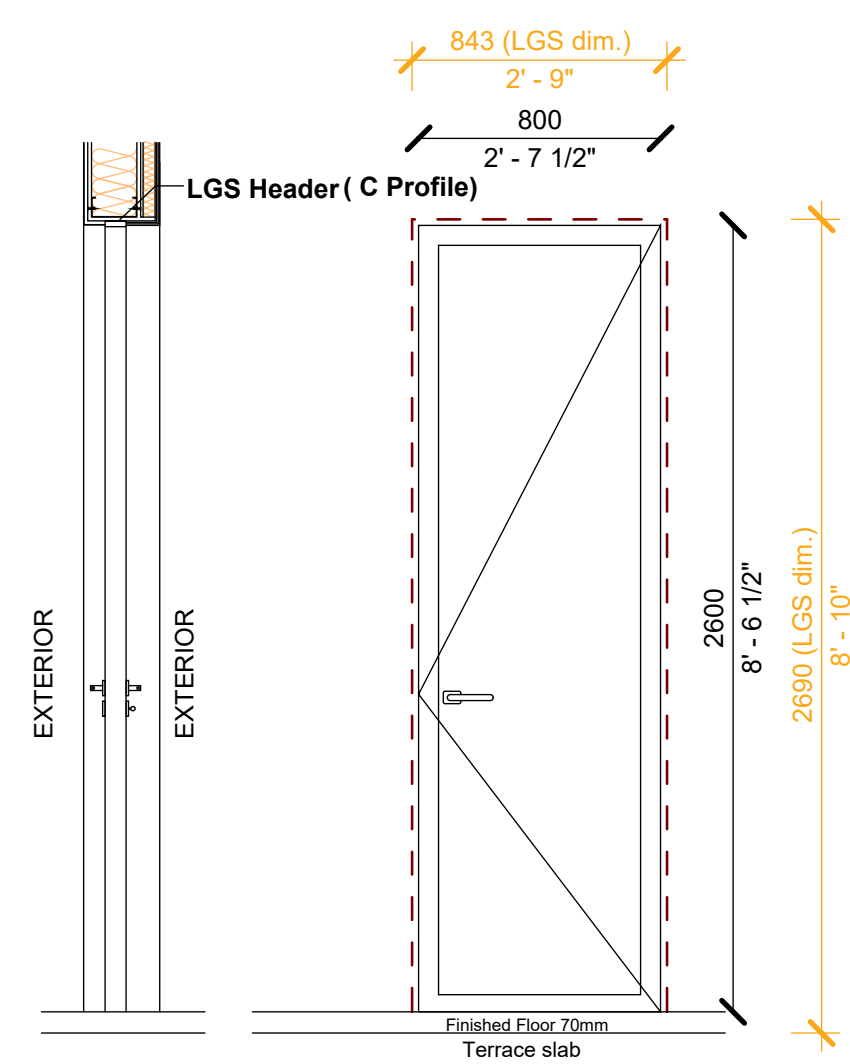
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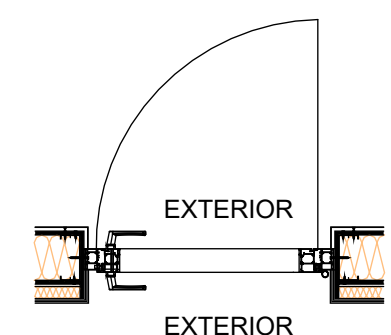
**W05**

Type: Cor Vision  
 Size: 6400/2600 mm  
 R.O. Size: 6440/2690 mm  
 Colour: Anthracite  
 Nr. of leaves: 4  
 Total Piece: 2  
 Hinge Side: Sliding  
 Sill Height (from top of slab): 70 mm



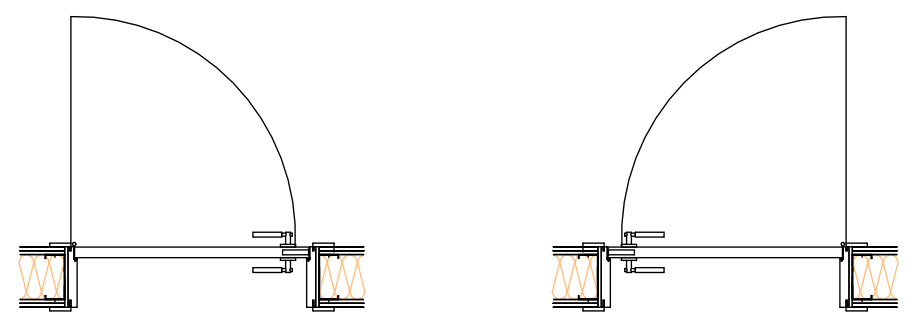
**D01**

Type: Exterior casement door  
 Size: 800/2600 mm  
 R.O. Size: 843/2690  
 Colour: -  
 Number of Leaves: 1  
 Total Piece: 1 pcs  
 Hinge Side: right  
 Lock: yes  
 Sill Height (from top of slab): 70 mm



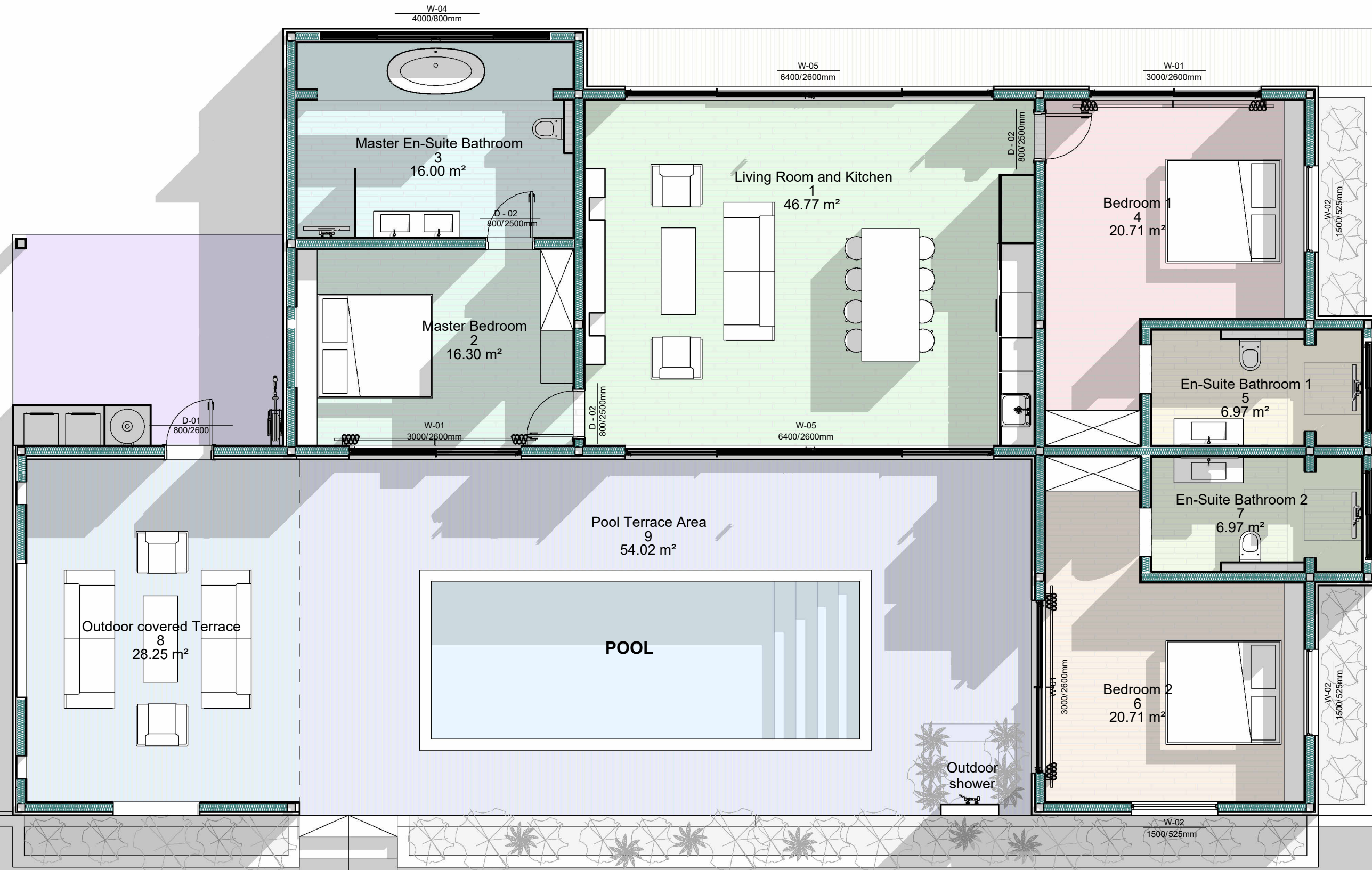
**D02**

Type: Interior casement door  
 Size: 800/2500 mm  
 R.O. Size: 843/2590  
 Colour: -  
 Number of Leaves: 1  
 Total Piece: 3 pcs  
 Hinge Side: 1pcs right / 2pcs left  
 Lock: yes  
 Sill Height (from top of slab): 70 mm



**Room Legend**

- Bedroom 1
- Bedroom 2
- Carport
- En-Suite Bathroom 1
- En-Suite Bathroom 2
- Living Room and Kitchen
- Master Bedroom
- Master En-Suite Bathroom
- Outdoor covered Terrace
- Pool Terrace Area



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**Firefly**

<b>Finishes Schedule</b>						
No.	Room Name	Floor Area	Room Perimeter	Floor Finish (tiles and grout colour)	Ceiling Colour	Wall Colour
<b>Ground Floor</b>						
1	Living Room and Kitchen	46.77 m <sup>2</sup>	27592			
2	Master Bedroom	16.30 m <sup>2</sup>	16392			
3	Master En-Suite Bathroom	16.00 m <sup>2</sup>	20190			
4	Bedroom 1	20.71 m <sup>2</sup>	20992			
5	En-Suite Bathroom 1	6.97 m <sup>2</sup>	12095			
6	Bedroom 2	20.71 m <sup>2</sup>	20992			
7	En-Suite Bathroom 2	6.97 m <sup>2</sup>	12137			
8	Outdoor covered Terrace	28.25 m <sup>2</sup>	21398			
9	Pool Terrace Area	54.02 m <sup>2</sup>	38226			
10	Carport	15.46 m <sup>2</sup>	15955			
<b>Grand total</b>		<b>232.16 m<sup>2</sup></b>	<b>205969</b>			

**Building Footprint: 157.542 Sqm , 1695.766 Sq feet**  
**Outdoor Covered Terrace: 28.25 Sqm, 304.080 Sq feet**  
**Pool Terrace Area: 54.02 Sqm, 581.466 Sq feet**  
**Carport: 15.46 Sqm, 166.410 Sq feet**  
**Pool Area: 24.60 Sqm, 264.792 Sq feet**  
**Total construction footprint: 279.872 Sqm, 3012.514 Sq feet**

**DRAWING TITLE:**  
Room Legend

**DRAWN BY:**  
Mladin Monica-Mihaela

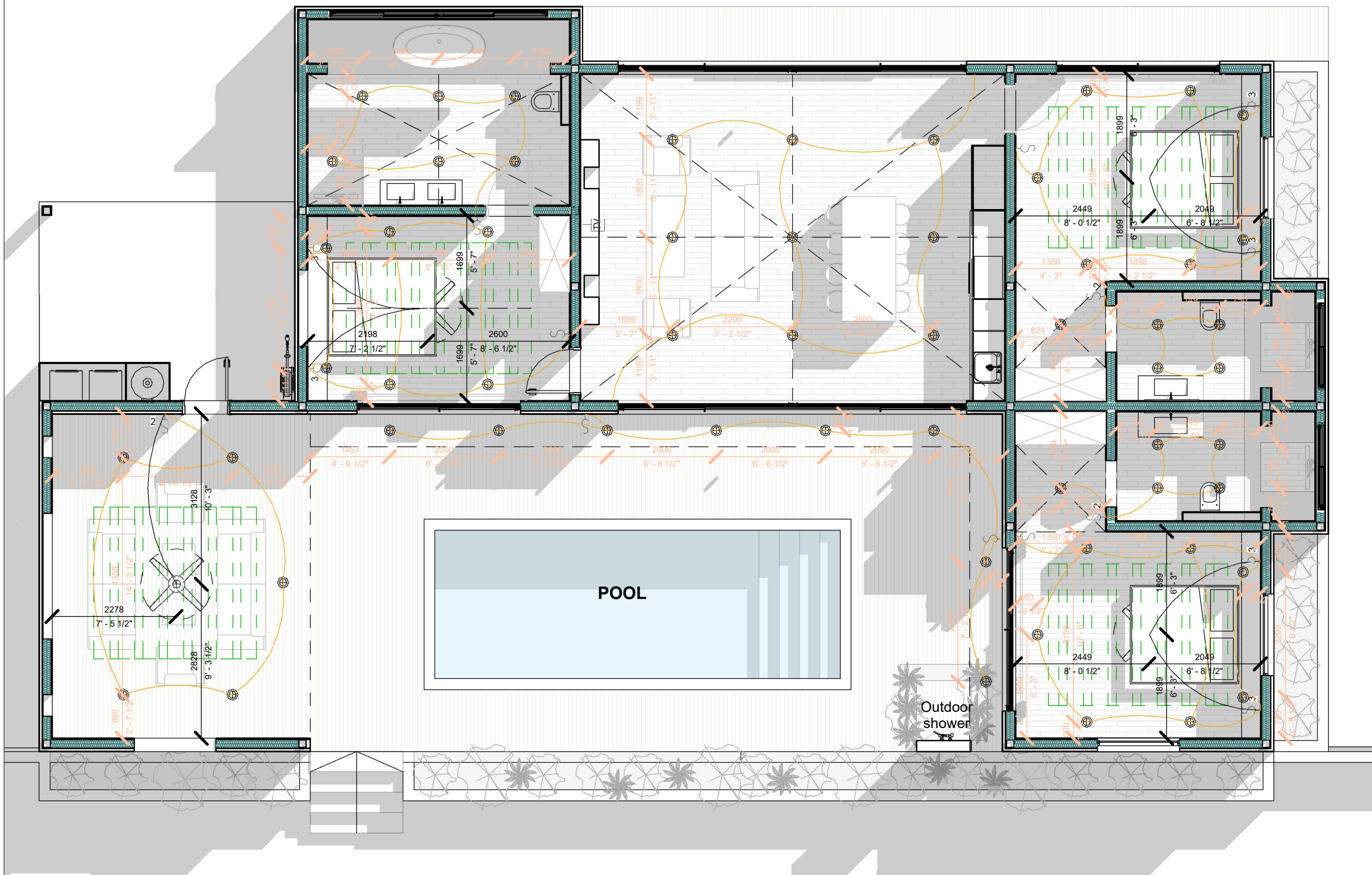
**SCALE:**  
1 : 70

**DRAWING NO:**  
A13

**DATE:**  
04.03.2024

## Panel "A"

120/240 1 60h 3W



CKT. NO.	IDENTIFICATION	CIRCUIT BREAKER		
		BKR.	WIRE	KW.
1	General Lightning and Receptacles	15 A.	# 14	
2	General Lightning and Receptacles	15 A.	# 14	
3	General Lightning and Receptacles	15 A.	# 14	
4	General Lightning and Receptacles	15 A.	# 14	
5	General Lightning and Receptacles	15 A.	# 14	
6	GFI Receptacles	20 A.	# 12	
7	General Lightning and Receptacles	15 A.	# 14	
8	Kitchen Small Appliance Receptacles	20 A.	# 12	
9	Kitchen Small Appliance Receptacles	20 A.	# 12	1.5
10	Garbage Disposer	20 A.	# 12	1.2
11	Outdoor Lightning and Receptacles	20 A.	# 12	1.5
12	Dishwasher	20 A.	# 12	1.2
13	Refrigerator	20 A.	# 12	1.2
14	Microwave	20 A.	# 12	
15	Range/Oven	50 A.	# 6	12
16	AC/MSCU #1 (Living Room)	30 A.	# 10	3.6
18	AC/MSCU #2 (Dining/Kitchen)	30 A.	# 10	3.6
19	Water Heater #1	30 A.	# 10	4.5
20	AC/MSCU #3 (Master Bedroom)	30 A.	# 10	3.6
21	AC/MSU #4 (Bedroom 2)	30 A.	# 10	3.6
22	AC/MSU #5 (Bedroom 3)	30 A.	# 10	3.6
23	Spare			
24	Spare			
25	Spare			
26	Spare			
27	Spare			
28	Spare			
29	Spare			

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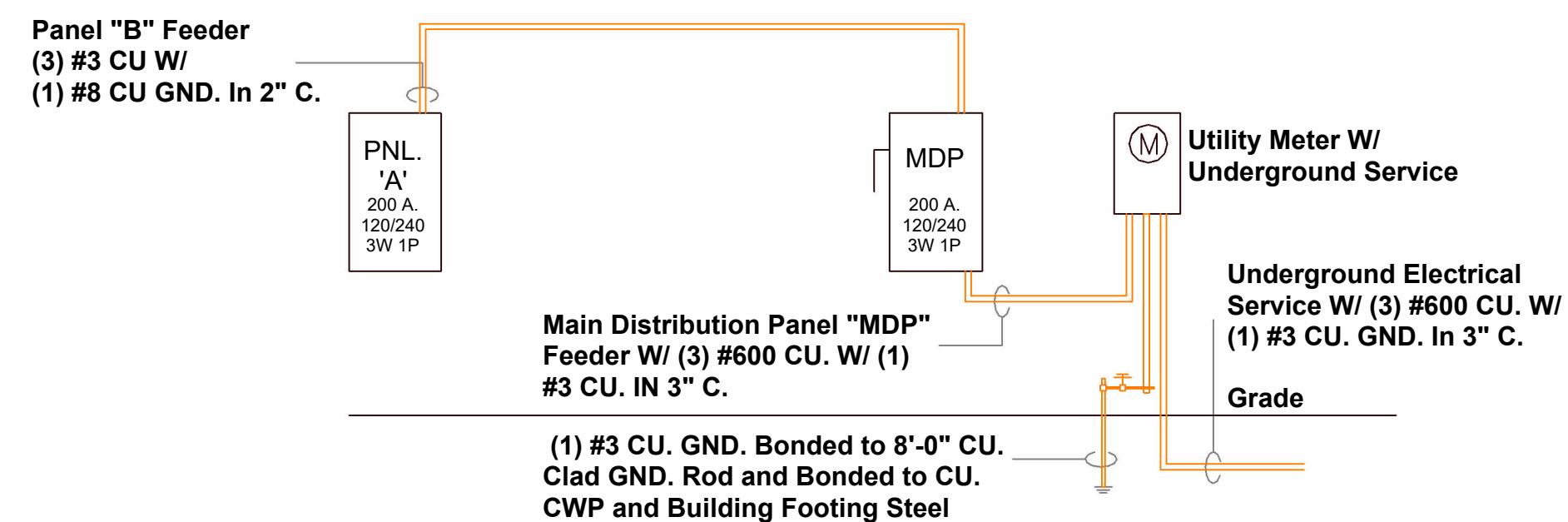
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Issued for construction

## Firefly

### Typical Service Riser



### Double Switch

- Bell
- Television Outlet
- Duplex Outlet
- Single Switch
- Double Switch
- Three Way Switch
- Outlet Fixed Kitchen Equipment

Note:  
• Electrical engineer to provide adequate grounding to all steel members.

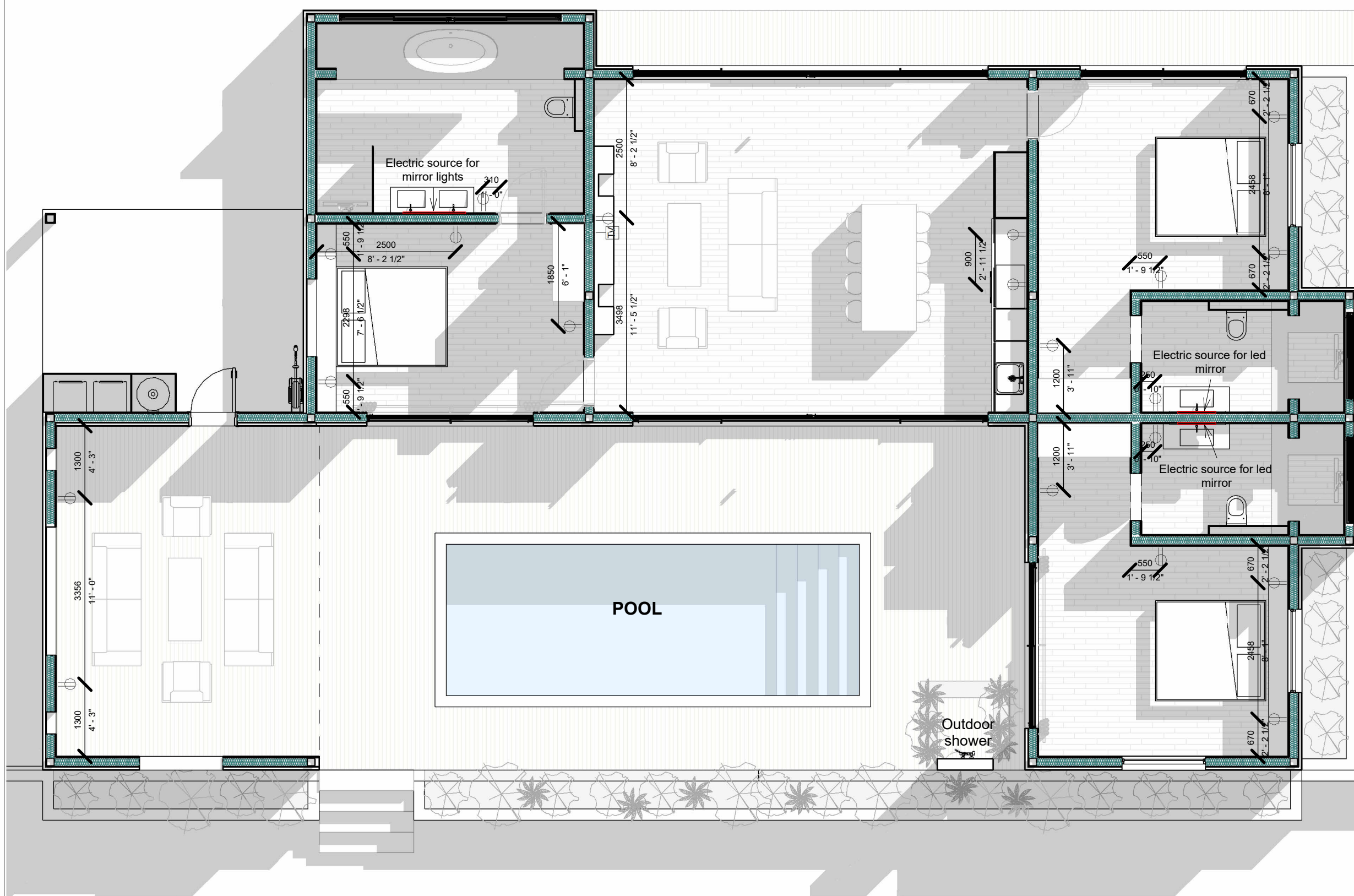
DRAWING TITLE:  
Electrical Plan 1

DRAWN BY:  
Mladin Monica-Mihaela

SCALE:  
As indicated

DRAWING NO:  
A14

DATE:  
04.03.2024



**Panel "A"**

120/240 1 60h 3W

CKT. NO.	IDENTIFICATION	CIRCUIT BREAKER		
		BKR.	WIRE	KW.
1	General Lightning and Receptacles	15 A.	# 14	
2	General Lightning and Receptacles	15 A.	# 14	
3	General Lightning and Receptacles	15 A.	# 14	
4	General Lightning and Receptacles	15 A.	# 14	
5	General Lightning and Receptacles	15 A.	# 14	
6	GFI Receptacles	20 A.	# 12	
7	General Lightning and Receptacles	15 A.	# 14	
8	Kitchen Small Appliance Receptacles	20 A.	# 12	
9	Kitchen Small Appliance Receptacles	20 A.	# 12	1.5
10	Garbage Disposer	20 A.	# 12	1.2
11	Outdoor Lightning and Receptacles	20 A.	# 12	1.5
12	Dishwasher	20 A.	# 12	1.2
13	Refrigerator	20 A.	# 12	1.2
14	Microwave	20 A.	# 12	
15	Range/Oven	50 A.	# 6	12
16	AC/MSCU #1 (Living Room)	30 A.	# 10	3.6
18	AC/MSCU #2 (Dining/Kitchen)	30 A.	# 10	3.6
19	Water Heater #1	30 A.	# 10	4.5
20	AC/MSCU #3 (Master Bedroom)	30 A.	# 10	3.6
21	AC/MSU #4 (Bedroom 2)	30 A.	# 10	3.6
22	AC/MSU #5 (Bedroom 3)	30 A.	# 10	3.6
23	Spare			
24	Spare			
25	Spare			
26	Spare			
27	Spare			
28	Spare			
29	Spare			

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**Firefly**

DRAWING TITLE:  
Electrical Plan 2

DRAWN BY:  
Mladin Monica-Mihaela

SCALE:  
As indicated

DRAWING NO:  
A15

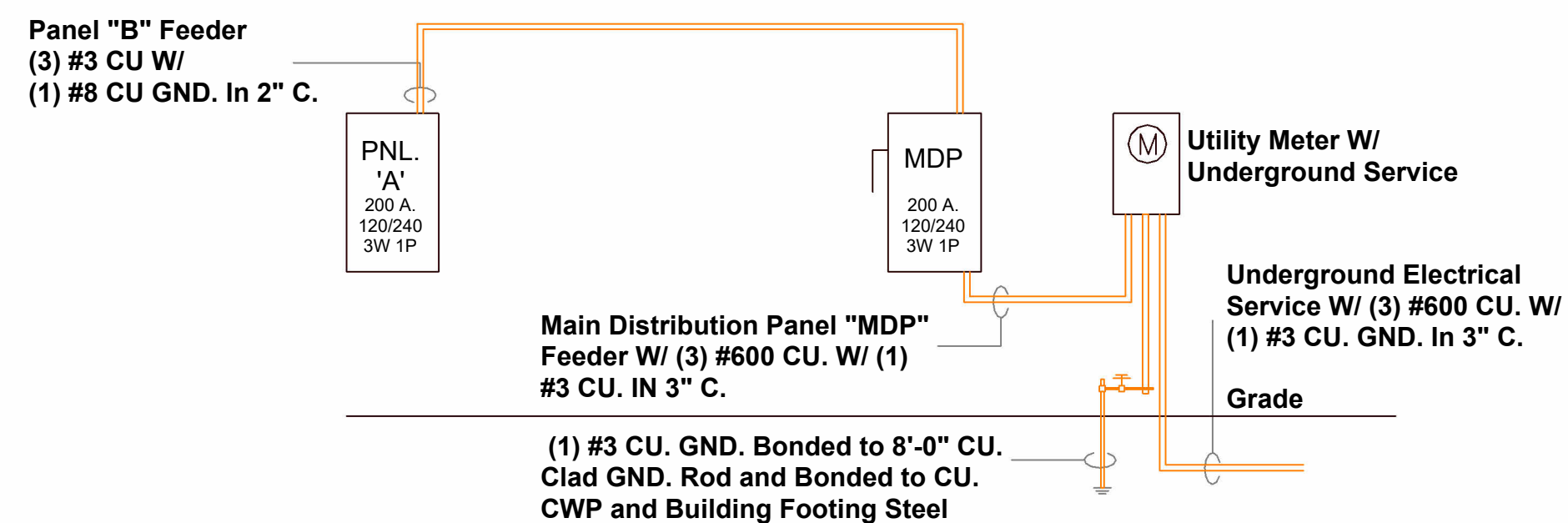
DATE:  
04.03.2024

**Double Switch**

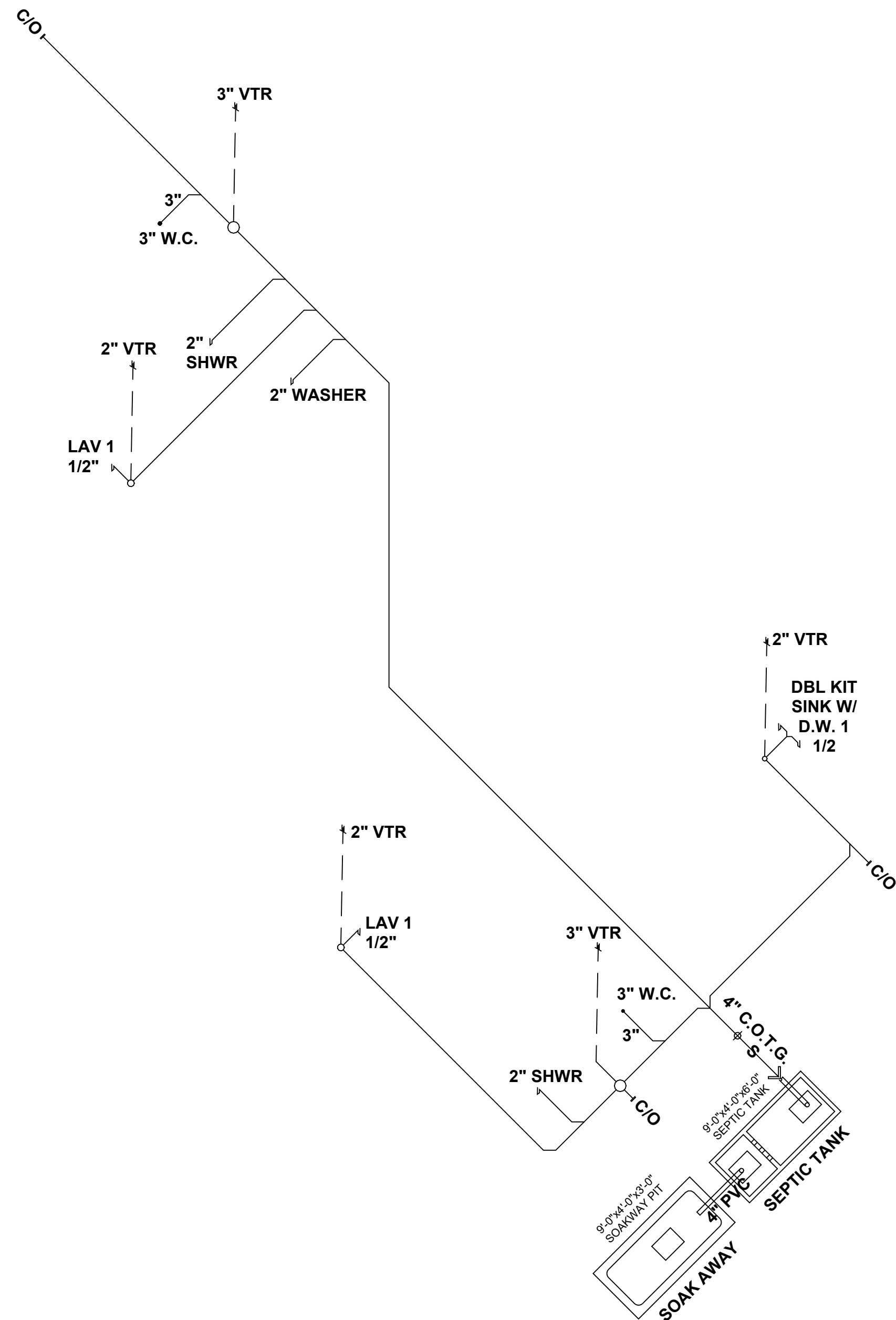
- Bell
- Television Outlet
- Duplex Outlet
- Single Switch
- Double Switch
- Three Way Switch
- Outlet Fixed Kitchen Equipment

- Note:
- Electrical engineer to provide adequate grounding to all steel members.

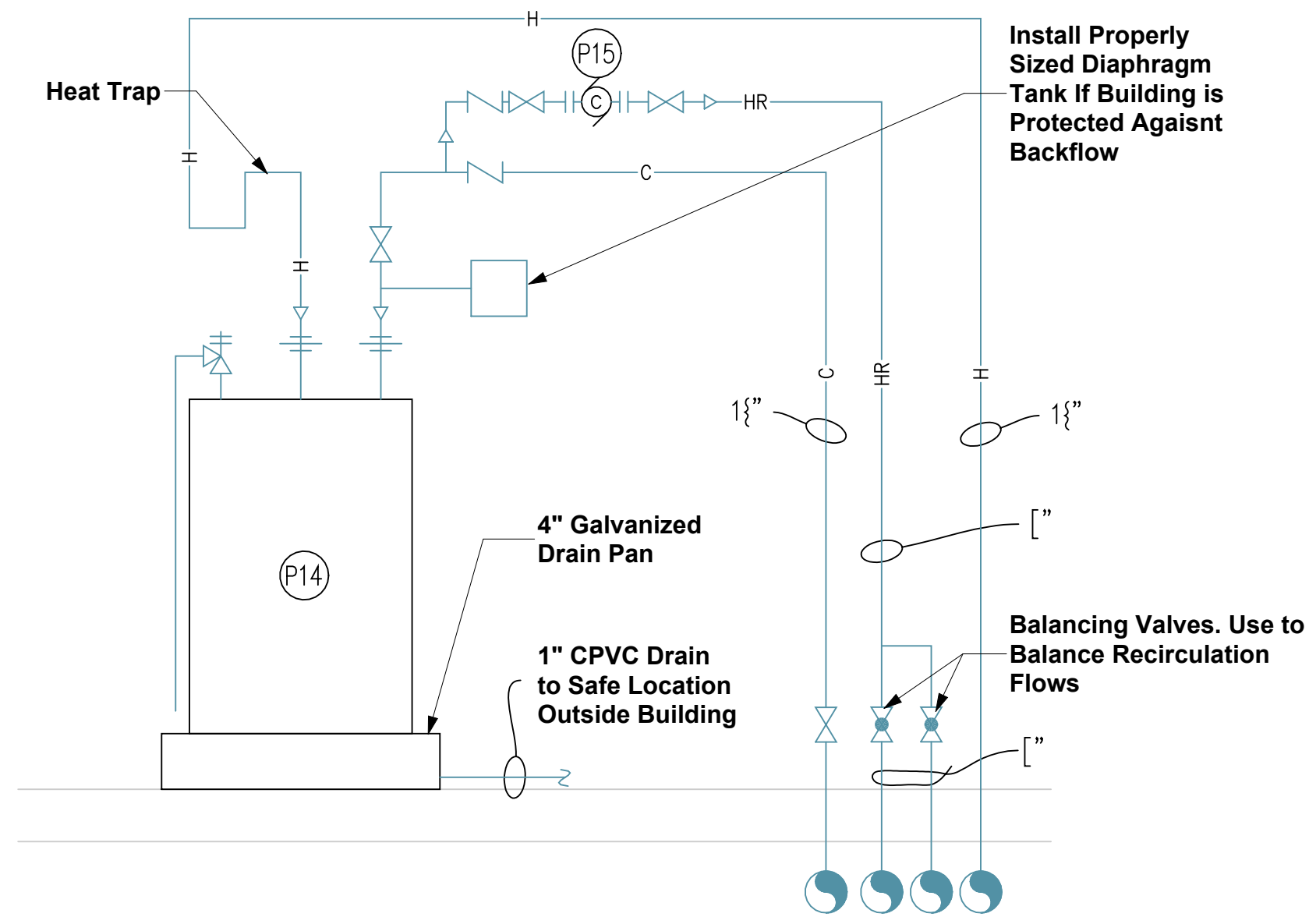
**Typical Service Riser**



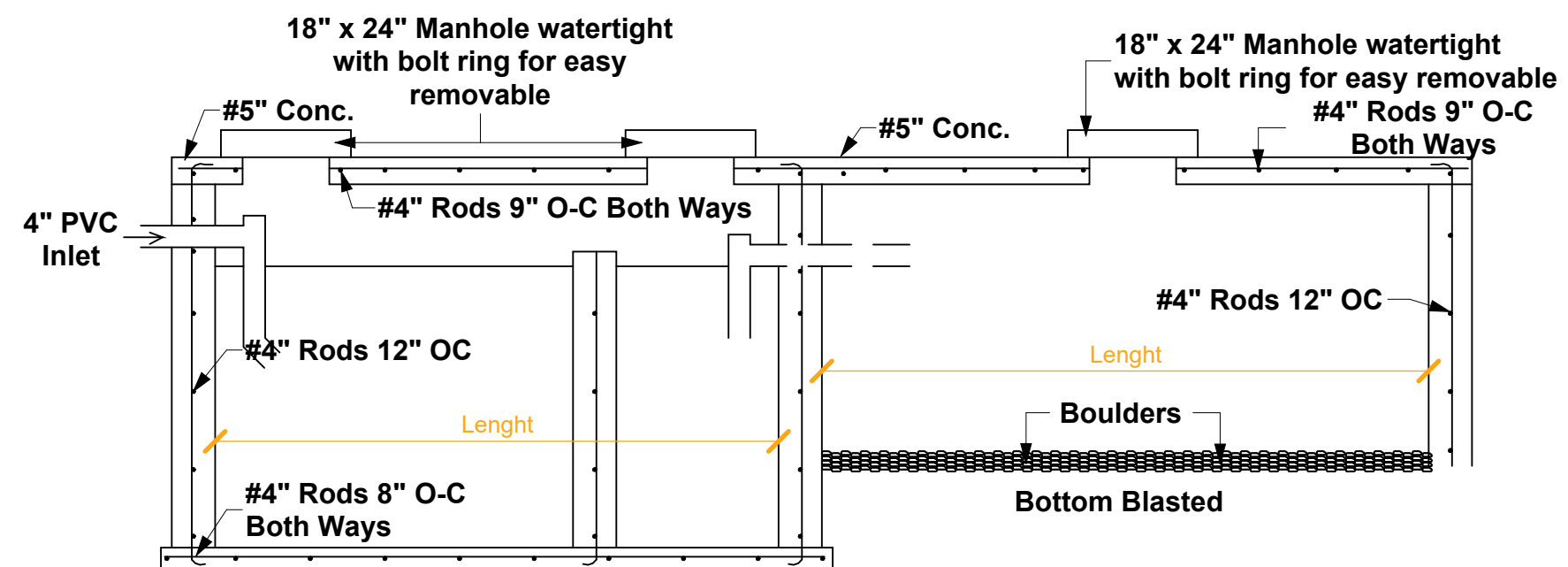
### Typical Plumbing Riser Plan



### Typical Piping at Water Heater



### Typical Sceptic Tank & Soak Away Section



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**Firefly**

DRAWING TITLE:  
Plumbing Plan

DRAWN BY:  
Mladin Monica-Mihaela

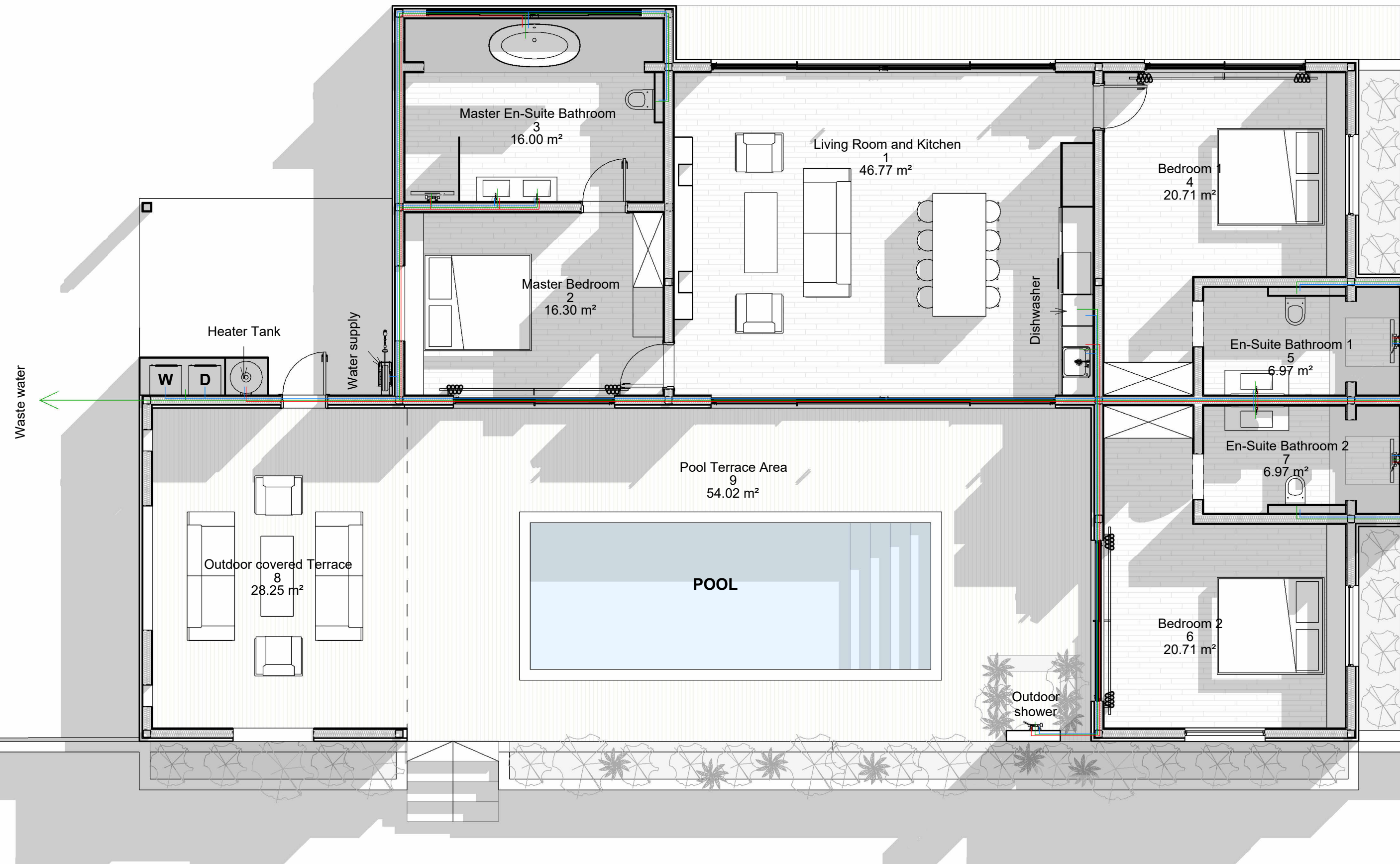
SCALE:

DRAWING NO:  
A16

DATE:  
04.03.2024

- Hot Water
- Cold Water
- Waste Water
- Rain Water Collection Pipes (underground)

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## Firefly

**DRAWING TITLE:**  
GF Plumbing Plan

**DRAWN BY:**  
Mladin Monica-Mihaela

**SCALE:**  
1 : 70

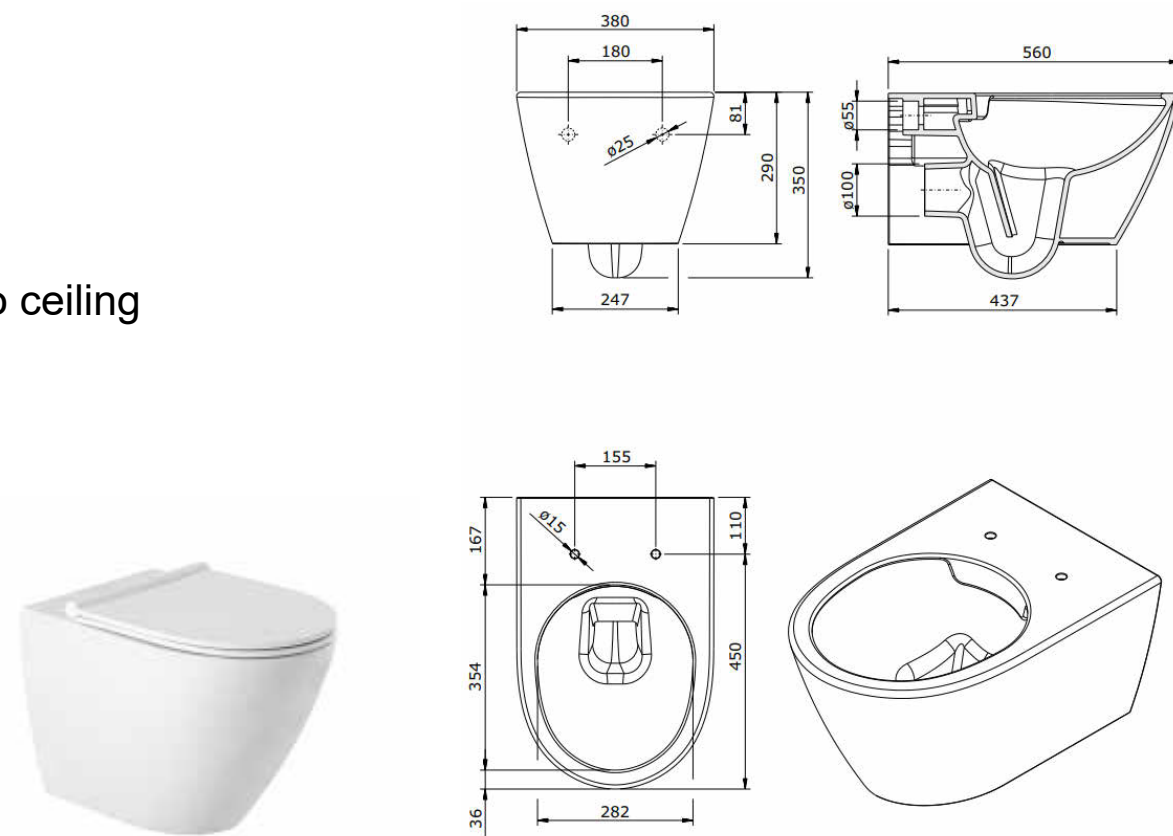
**DRAWING NO:**  
A17

**DATE:**  
04.03.2024



## Toilet

Sanindusa  
 Model: F/D low level toilet  
 Reference: 136011  
 concealed cistern boxed in to ceiling  
 Count: 3 pcs

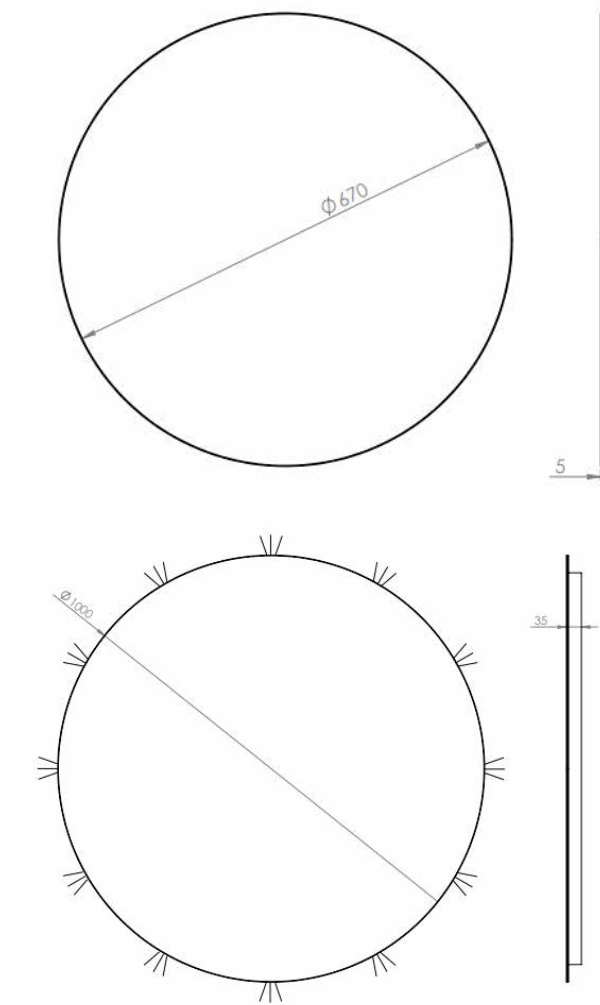


<https://www.tec.sanindusa.pt/winner-wd-rimflush-close-coupled-toilet>

## Mirror

Kitbanho  
 Model: ESPELHO GRANADA 67  
 Count: 2 pcs x 600Ø mm - Master Bathroom

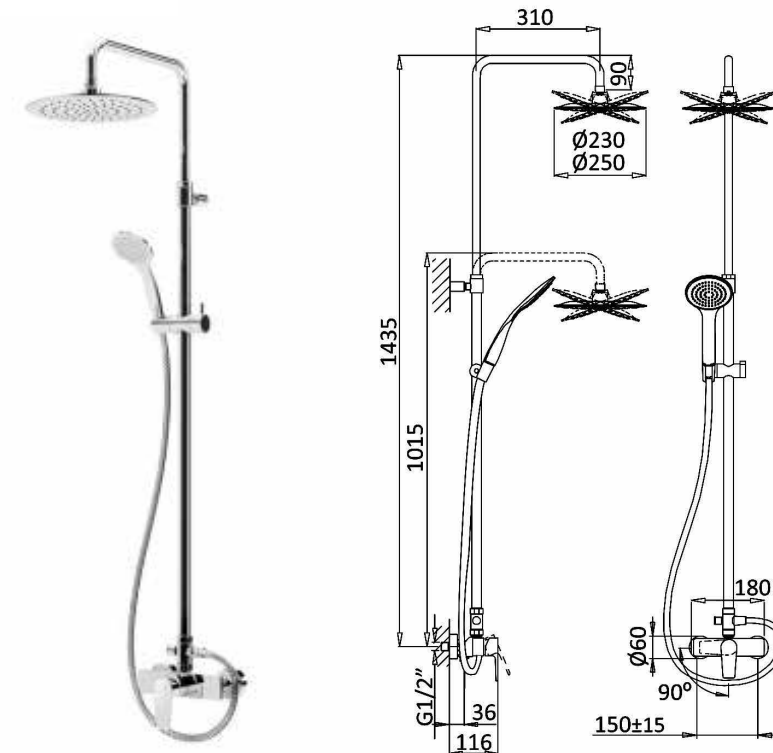
Model: ESPELHO POMPEIA  
 Count: 2 pcs x 1000Ø mm - Bathroom 1&2



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## Shower Taps

Bruma  
 Model: Shower system for wall mounting with adjustable ABS head shower Ø230mm and shower rail  
 Reference: 181 271 1CR  
 Finishes: Chrome  
 Count: 4 pcs



[https://www.bruma.pt/index.php?page=products&prod=5482#open\\_product](https://www.bruma.pt/index.php?page=products&prod=5482#open_product)

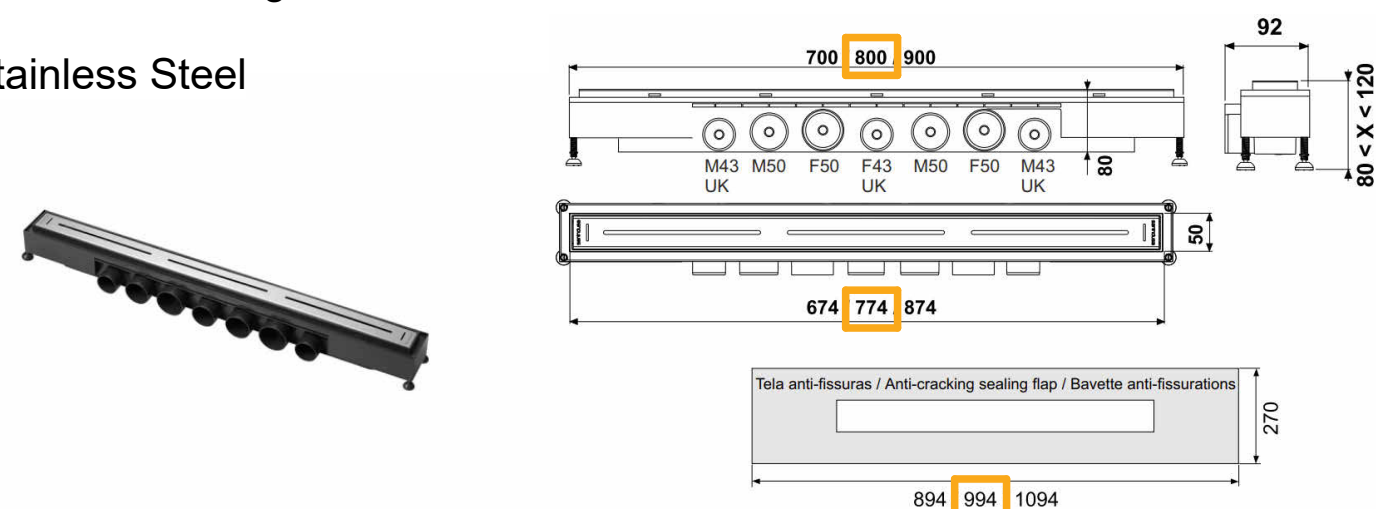
## Vanity Unit/Sink

Consentino  
 Model: Armony  
 Finishes: White  
 Count: 2 pcs x 1200 mm - one sink  
 Count: 1 pcs x 1500mm - two sinks



## Shower Drain

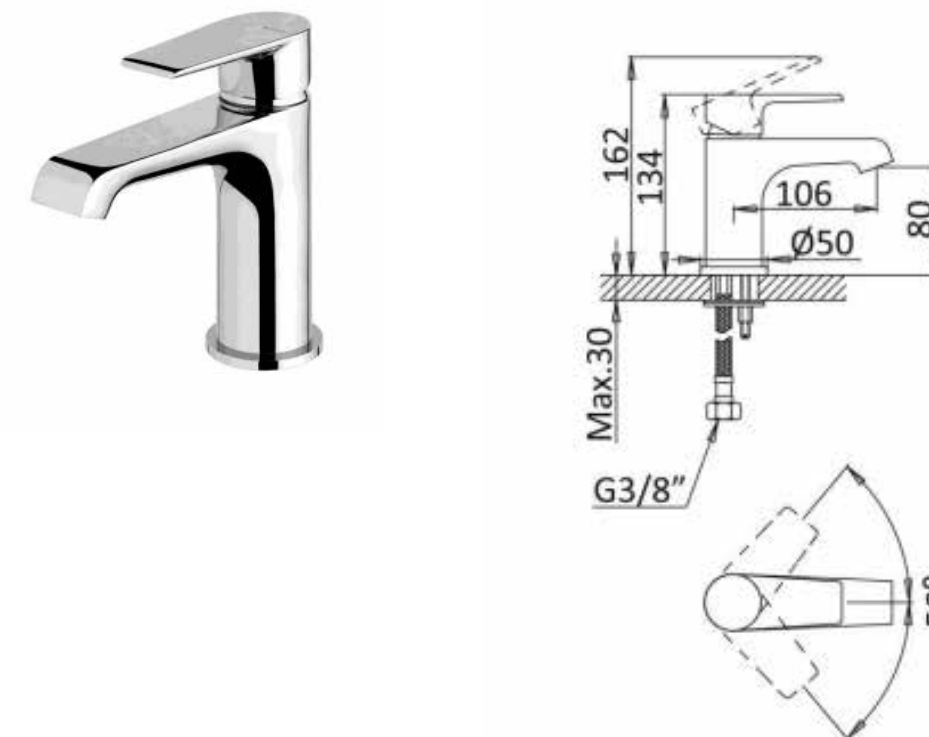
Sanindusa  
 Model: Shower channel drain with grid 700/800/900  
 Reference: 49070  
 Finishes: Brushed Stainless Steel  
 Count: 4 pcs



<https://www.tec.sanindusa.pt/metric-70-shower-channel-with-grid>

## Vanity Faucet

Bruma  
 Model: Nautic  
 Reference: 181 010 1CR  
 Finishes: Chrome  
 Count: 4 pcs



[https://www.bruma.pt/index.php?page=products&prod=5426#open\\_product](https://www.bruma.pt/index.php?page=products&prod=5426#open_product)

No.	Revision	Date

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## Firefly

DRAWING TITLE:

Bathroom Schedule

DRAWN BY:

Mladin Monica-Mihaela

SCALE:

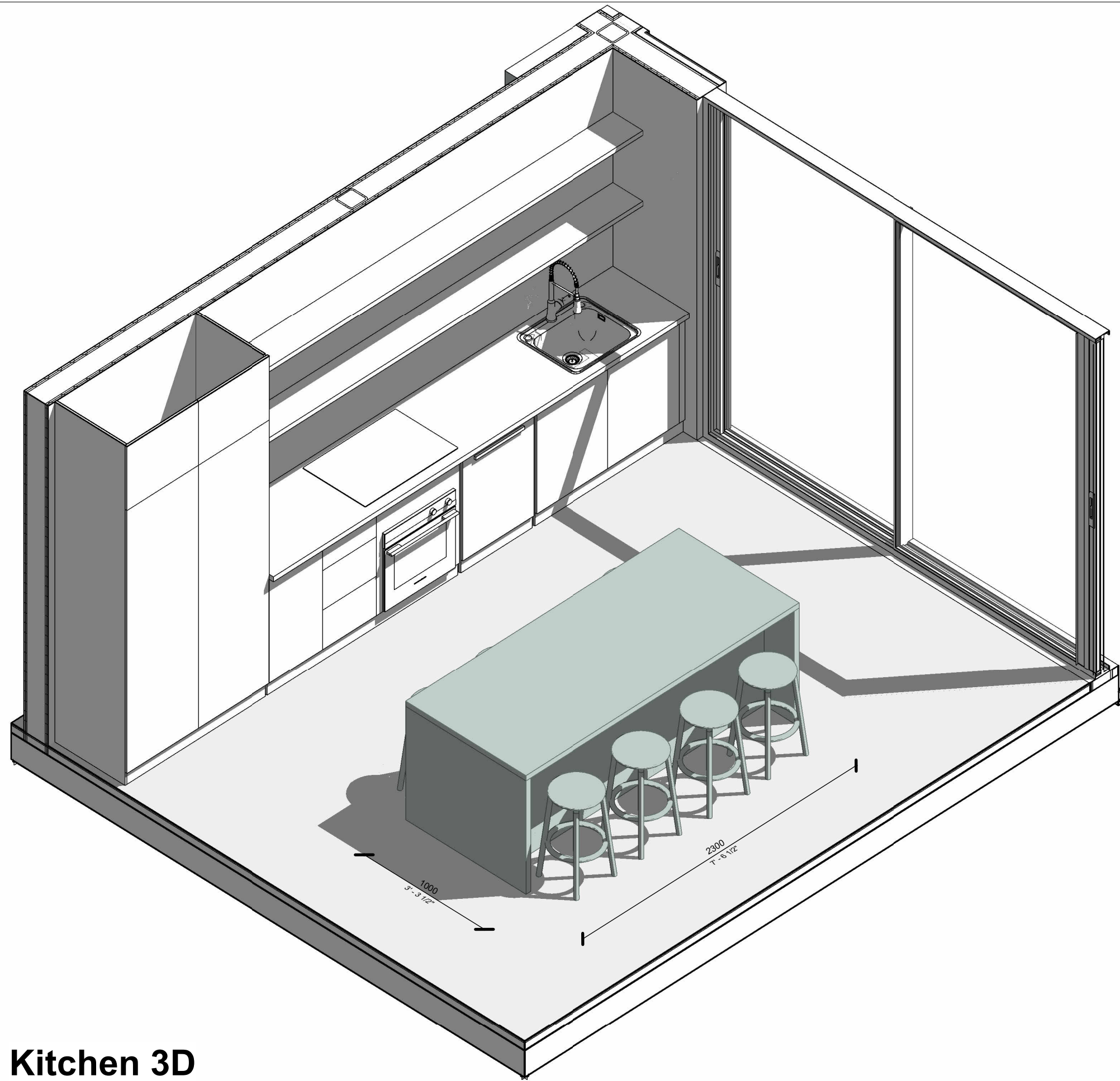
DRAWING NO:

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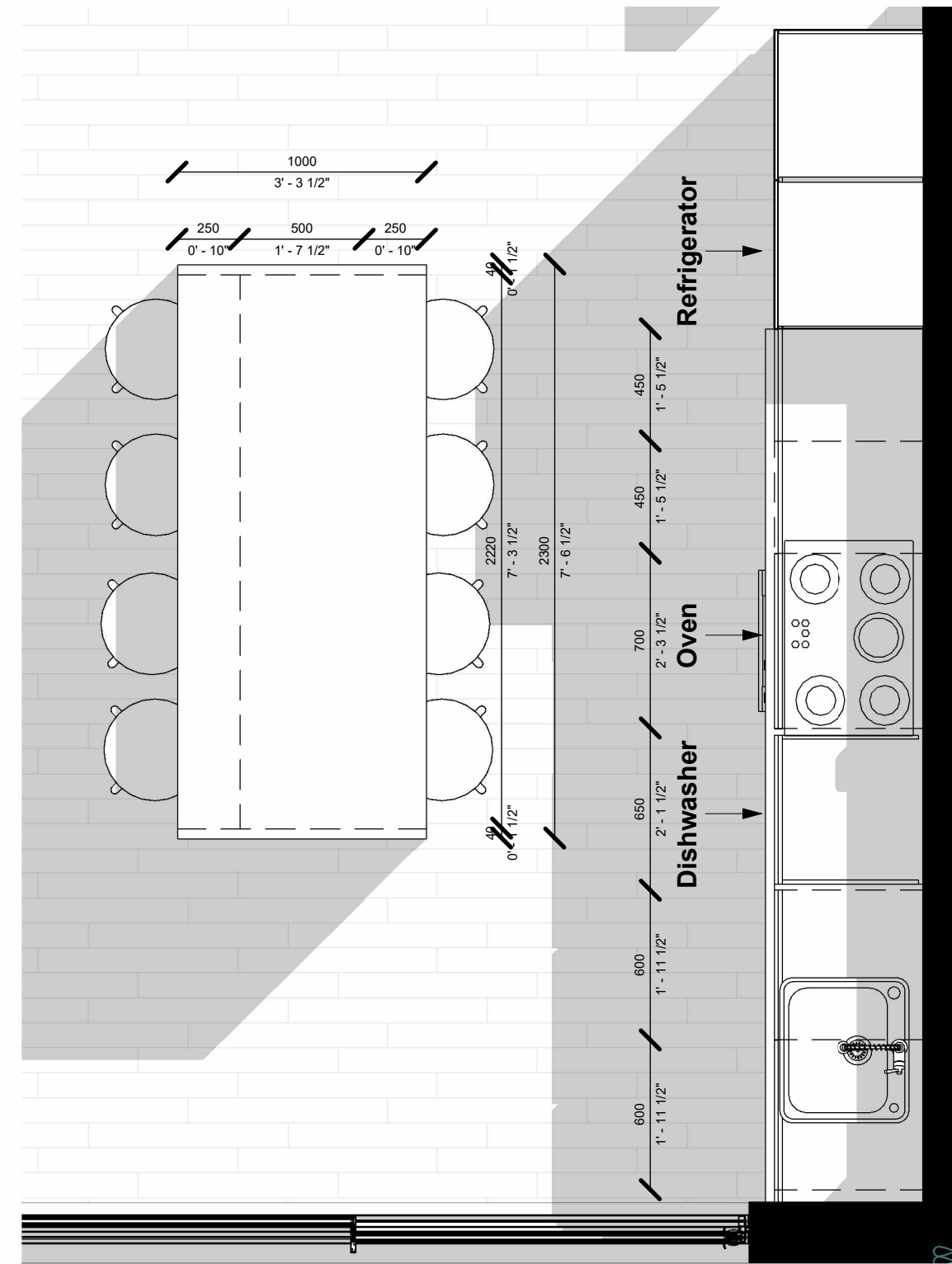
DATE:

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**Kitchen 3D**



No.	Revision	Date

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**Firefly**

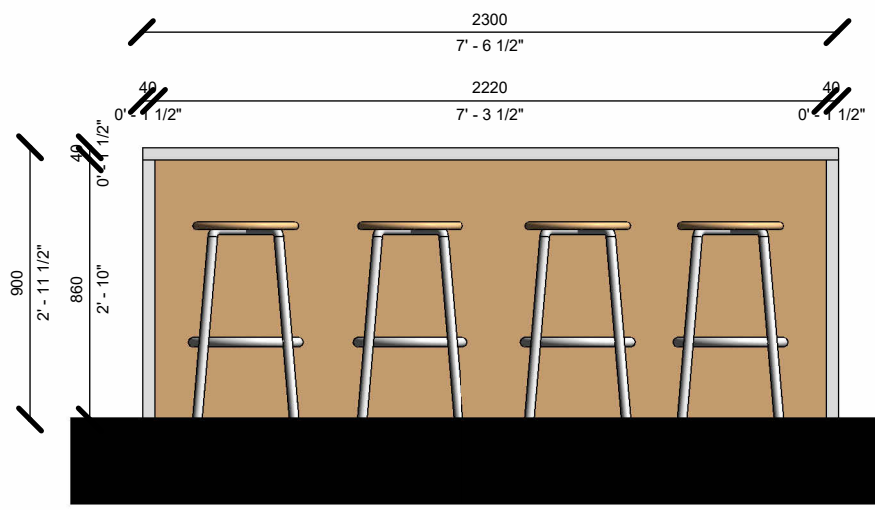
**DRAWING TITLE:**  
Kitchen Schedule

**DRAWN BY:**  
Mladin Monica-Mihaela

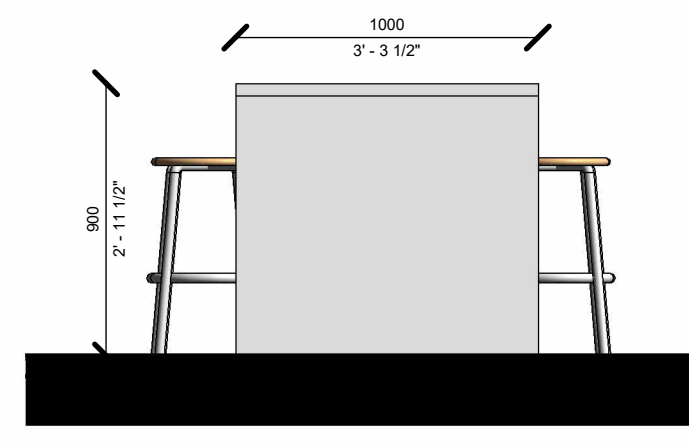
**SCALE:**  
As indicated

**DRAWING NO:**  
A19

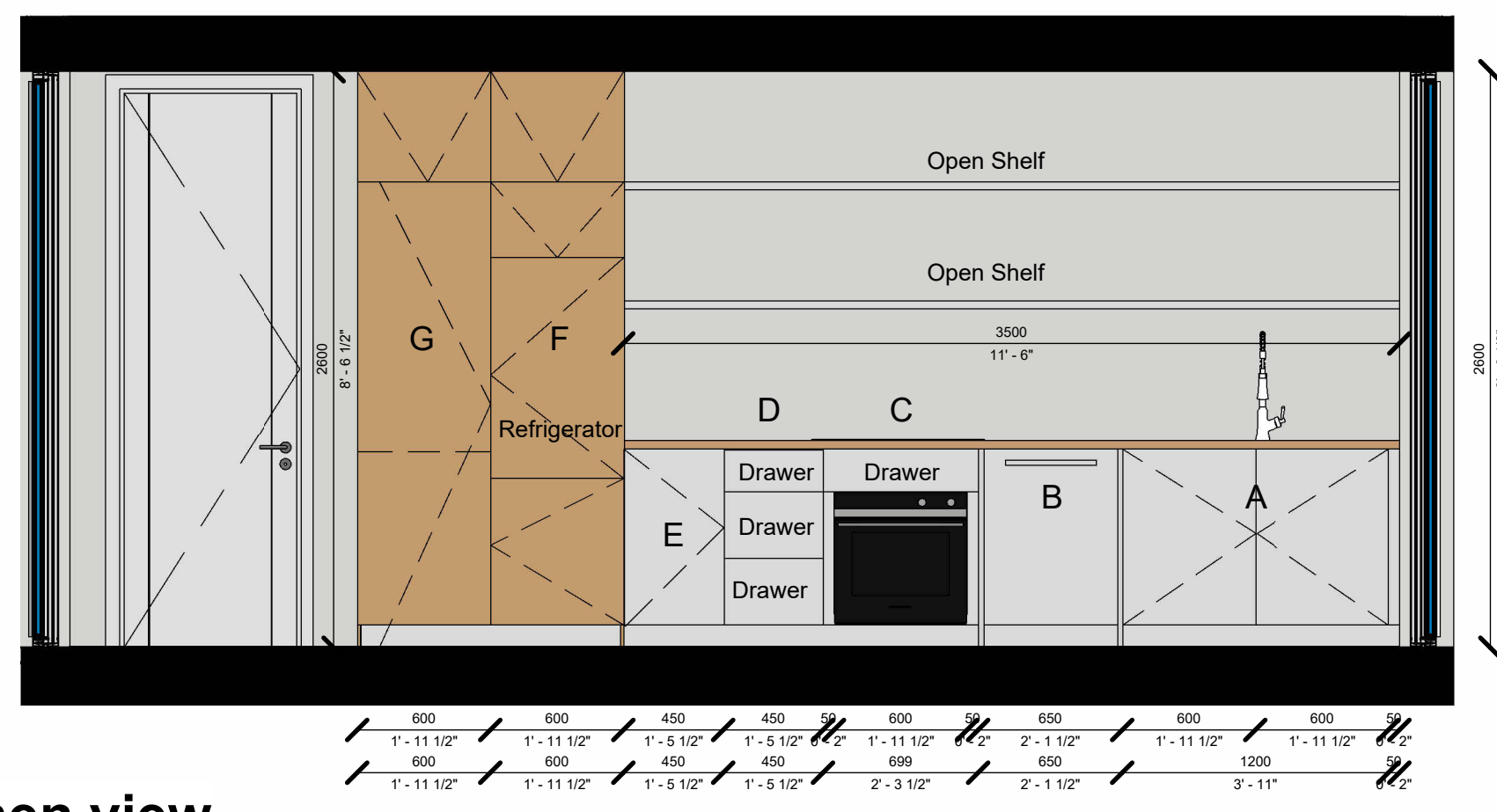
**DATE:**  
04.03.2024



**Island Front/Back view**



**Island Side view**



**Kitchen view**

### Dishwasher

- Geappliances
- Dimensions: 34 H x 23 3/4 W x 24 D
- Color: Fingerprint Resistant Stainless
- 
- <https://www.geappliances.com/appliance/GE-Profile-ENERGY-STAR-Fingerprint-Resistant-Top-Control-Stainless-Interior-Dishwasher-with-Microban-Antimicrobial-Protection-with-Sanitize-Cycle-PDT715SYVFS>



### Kitchen Furniture

Name	Width	Carcase Height	Depth	Plinth Height	Count	Notes
<b>Kitchen Island</b>	2300	900	1000	-	x1	
<b>Unit A</b>	1200	792	600	100	x1	
<b>Unit B</b>	650	892	600	-	x1	Dishwasher space
<b>Unit C</b>	650	792	600	100	x1	Oven space and drawer
<b>Unit D</b>	450	792	600	100	x1	Drawers
<b>Unit E</b>	450	792	600	100	x1	
<b>Unit F</b>	600	2600	600	100	x1	In-built Refrigerator + deposit spaces
<b>Unit F</b>	600	2600	600	100	x1	Tall Cabinet
<b>Open Shelf</b>	3500	-	250	-	x2	

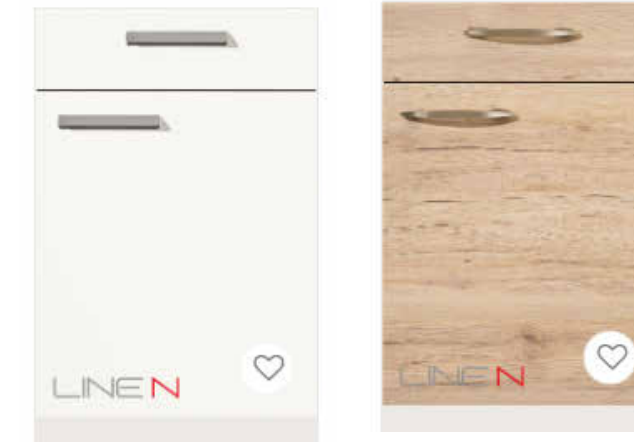
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### Oven

- Geappliances
- 24" Electric Single Self-Cleaning Wall Oven
- Dimensions: 28 3/16 H x 23 3/4 W x 23 1/8 D
- Color: Black on Black
- 
- <https://www.geappliances.com/appliance/GE-24-Electric-Single-Self-Cleaning-Wall-Oven-JRP20BJBB>



**Kitchen Nobilia**  
 Front: 427 Alpine white  
 Worktop: 193 Alpine white  
 Carcase colour: 060 Alpine white gloss  
 Front-inside island/tall cabinets: 843 Bergamo oak reproduction



### Cooktop

- Geappliances
- 30" Built-In Touch Control Electric Cooktop
- Dimensions: 3 1/4 H x 29 7/8 W x 21 1/2 D
- Color: Black
- 
- <https://www.geappliances.com/appliance/GE-Profile-30-Built-In-Touch-Control-Electric-Cooktop-PEP9030STSS>



**Kitchen blacksplash**  
 Brilho / Glossy vogue VO01R / R16  
 34x66,5, 13,4"x26,2"



White

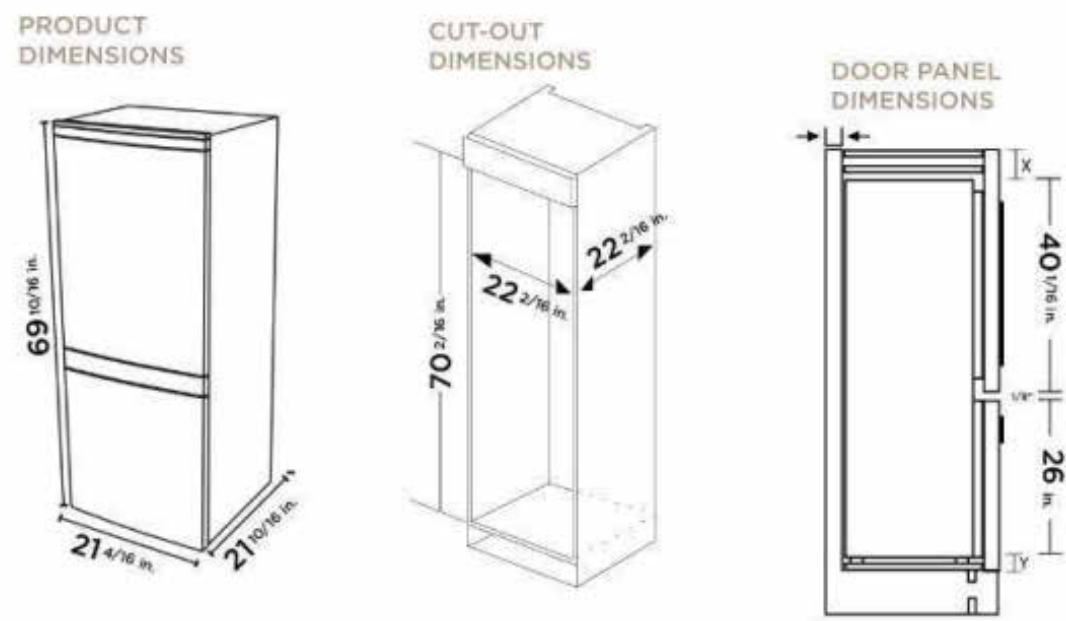
No.	Revision	Date

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### Refrigerator

- Forte Appliances 650 series
- 24" Buil-In Bottom Mount Refrigerator
- Code: F9BFRESIC450PR
- Width: 21 1/4 in, 54 cm
- Height: 69 5/8 in, 176.9 cm
- Depth: 21 5/8 in, 55 cm
- Height excluding hinge: 69 5/8 in, 176.8 cm
- Depth excluding door: 20 1/4 in, 51.3 cm
- Weight: 148 lbs, 67.1 kg



# Firefly

**DRAWING TITLE:**  
 Kitchen Schedule 2

**DRAWN BY:**  
 Mladin Monica-Mihaela

**SCALE:**  
 1 : 25

**DRAWING NO:**  
 A20

**DATE:**  
 04.03.2024

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No.	Revision	Date

ISSUED FOR:

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## Firefly

DRAWING TITLE:

Details 1

DRAWN BY:

Mladin Monica-Mihaela

SCALE:

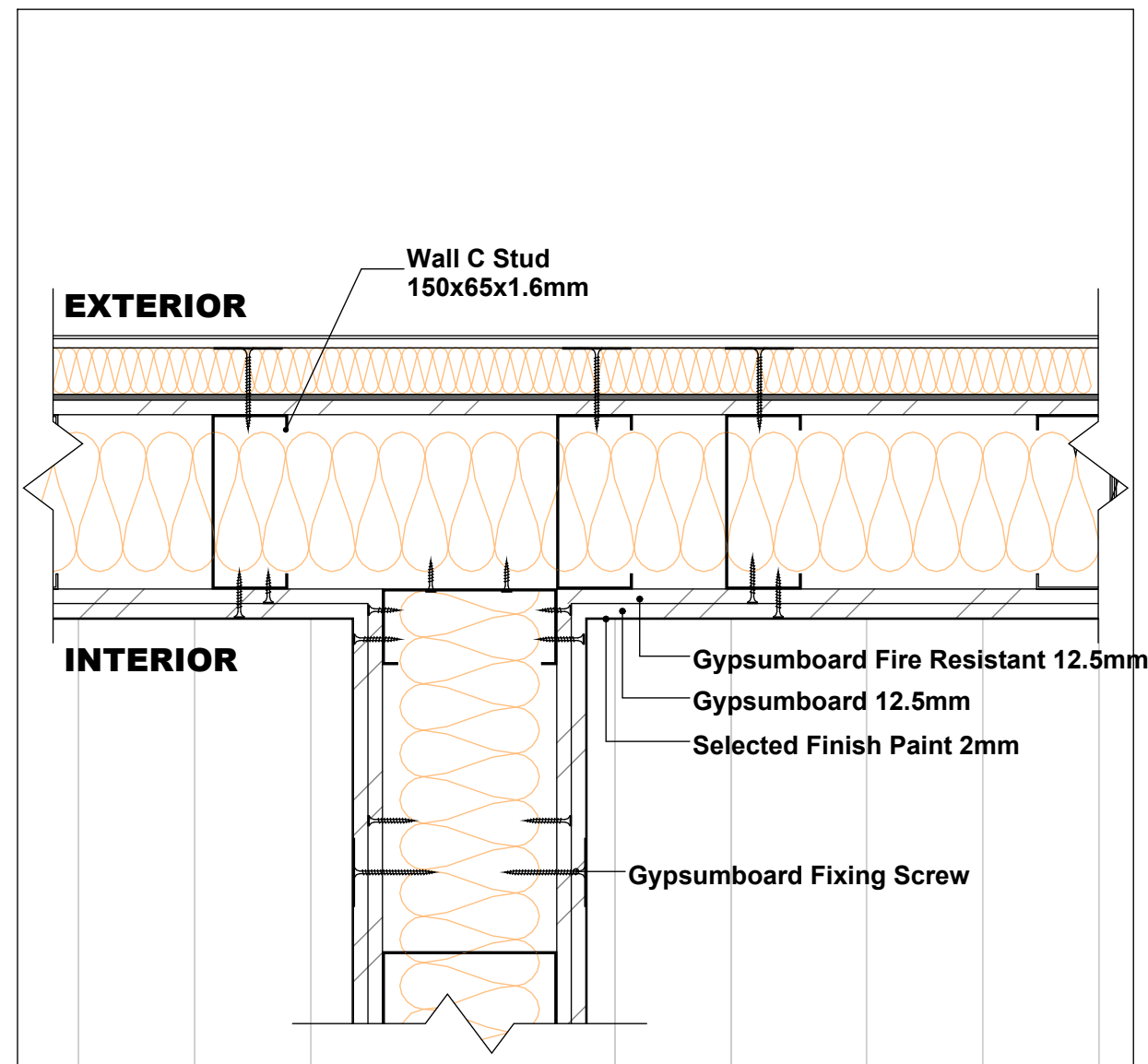
1 : 6

DRAWING NO:

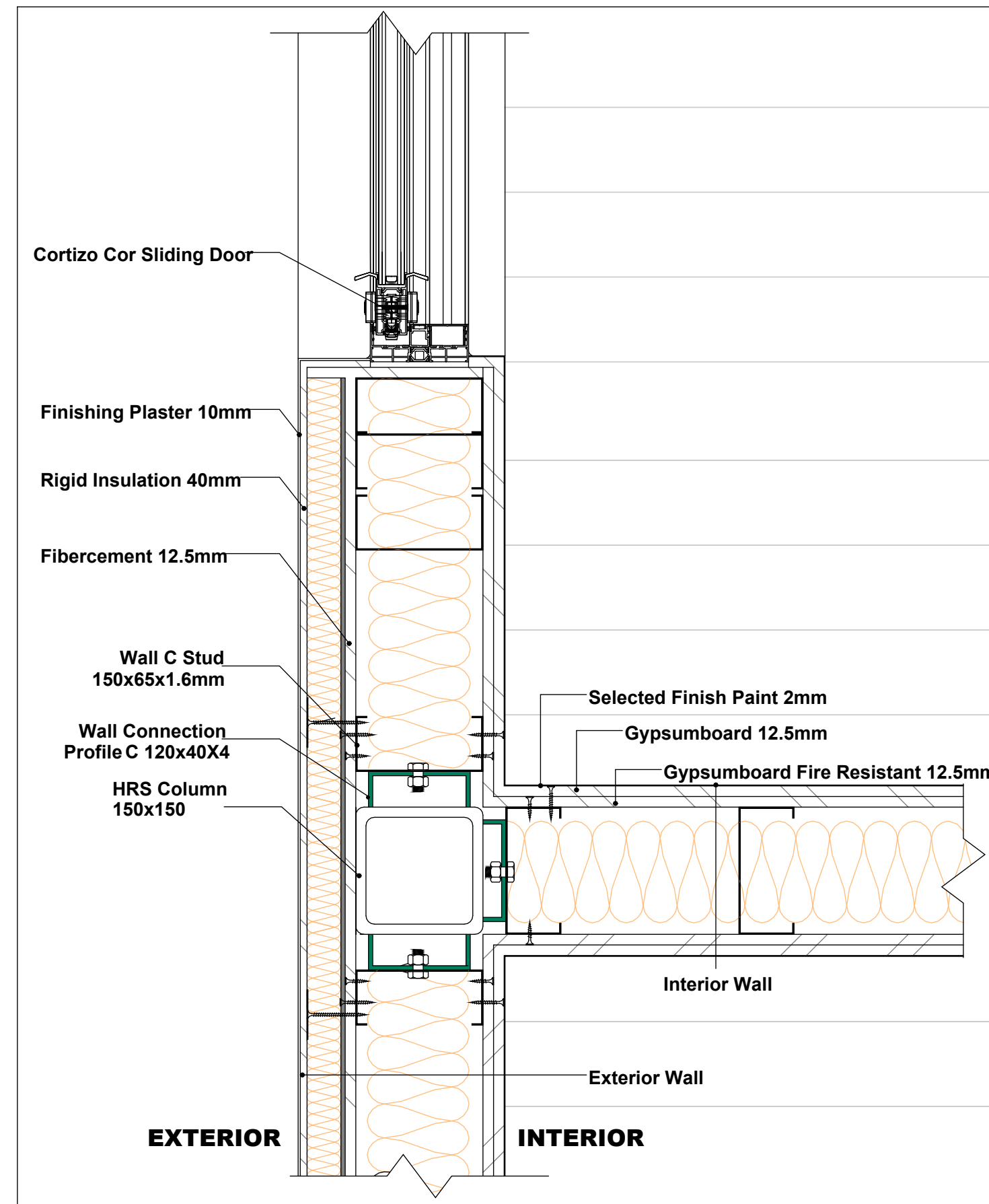
A21

DATE:

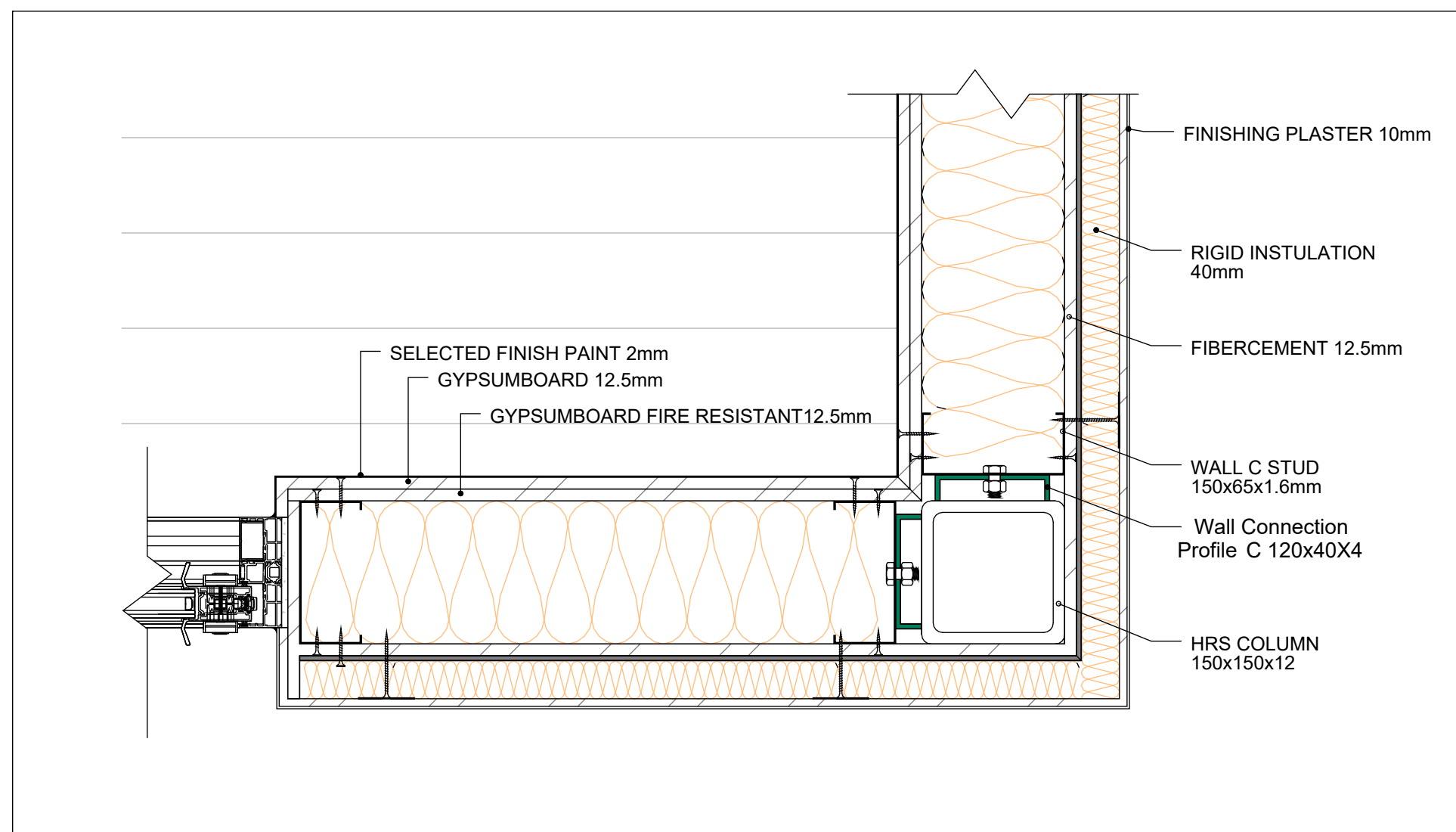
04.03.2024



D1:Exterior interior wall conection / Sc. 1:6



D2:Wall conection detail / Sc. 1:6



D3:Corner exterior wall conection / Sc. 1:6

### Wall Details

#### Exterior Wall

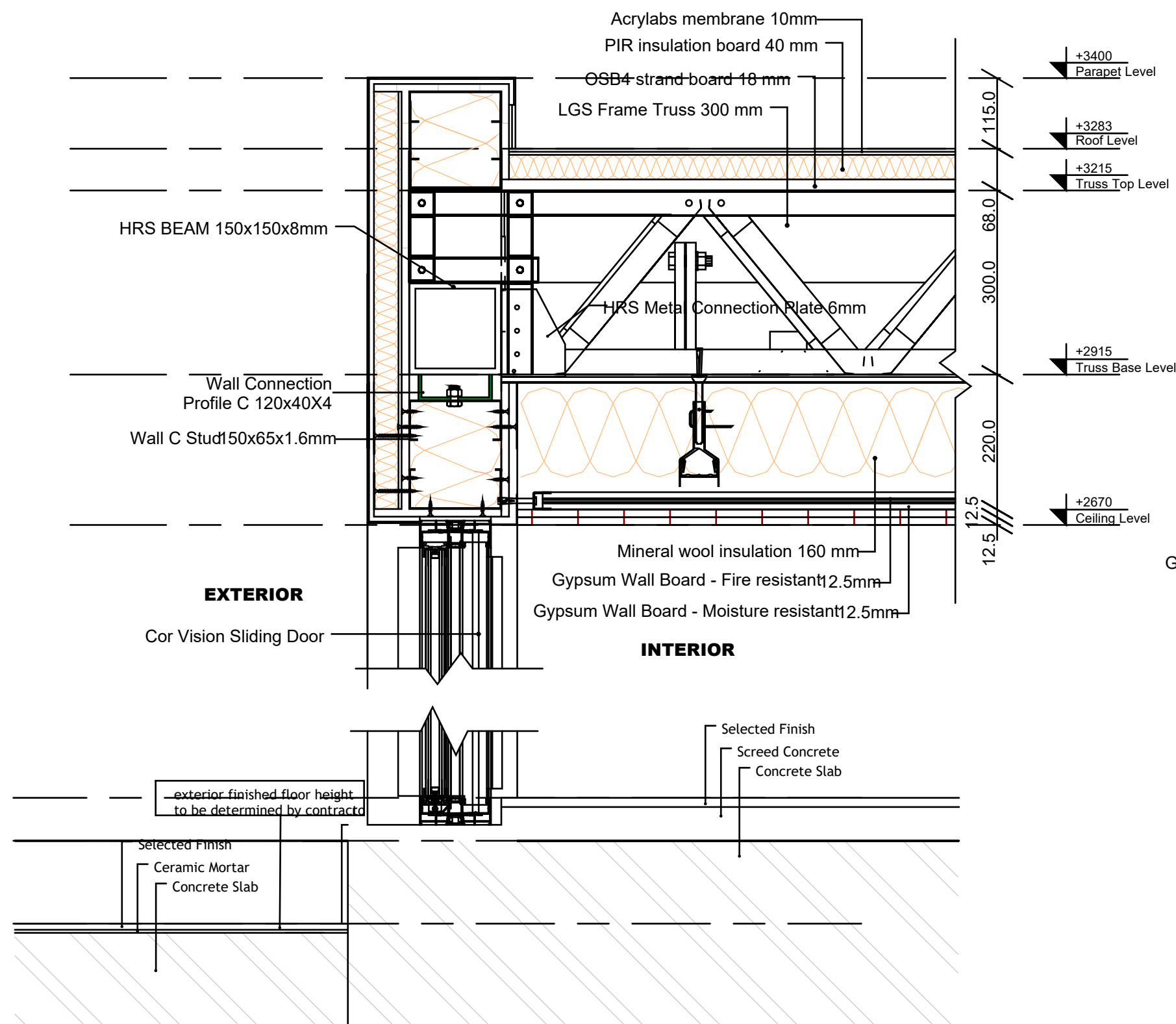
- Interior side
- Selected Paint Finish
- Gypsum Wall Board - Moisture resistant (12.5mm)
- Gypsum Wall Board - Fire resistant (12.5mm)
- Light Gauge Steel Frame (150mm)
- Mineral Rockwool (150mm)
- Cementboard (12.5mm)
- Rockwool Insulation Panel 40mm (ETICS)
- STO Cement-free Reinforcing Coat with Mesh
- STO Decorative Render Finish Plaster
- Exterior side

#### Interior Wall

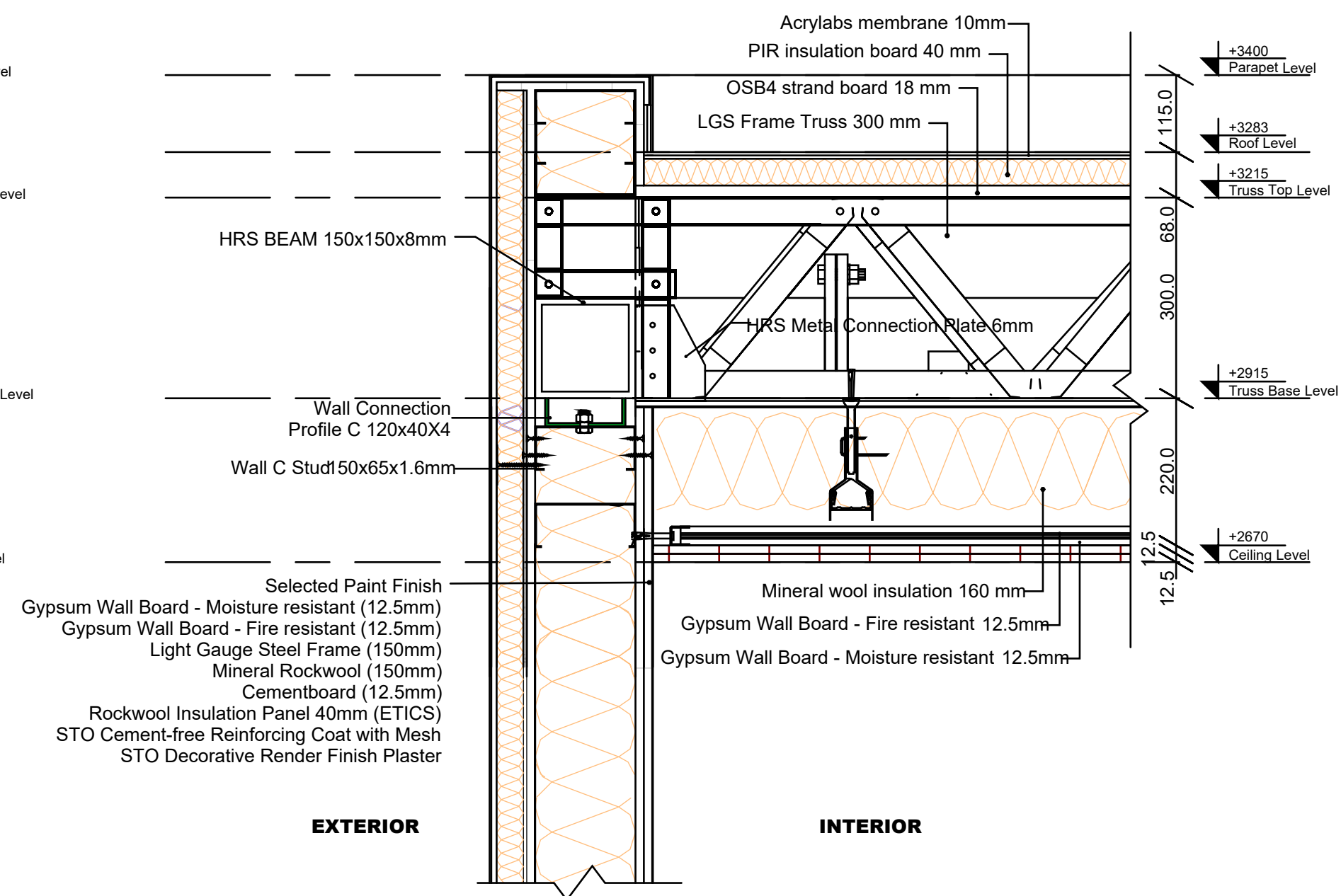
- Interior side
- Selected Paint Finish
- Gypsum Wall Board - Moisture resistant (12.5mm)
- Gypsum Wall Board - Fire resistant (12.5mm)
- Light Gauge Steel Frame (150mm)
- Mineral Rockwool (150mm)
- Gypsum Wall Board - Fire resistant (12.5mm)
- Gypsum Wall Board - Moisture resistant (12.5mm)
- Selected Paint Finish
- Interior side

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D4: Roof/parapet detail Sc: 1:8



D5: Roof/parapet detail Sc: 1:8



D6: Ground Floor detail Sc: 1:8

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## Firefly

**DRAWING TITLE:**

Details 2

**DRAWN BY:**

Mladin Monica-Mihaela

**SCALE:**

1 : 8

**DRAWING NO:**

A22

**DATE:**

04.03.2024

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**Firefly**

**DRAWING TITLE:**

Schedules

**DRAWN BY:**

Mladin Monica-Mihaela

**SCALE:**

1 : 5

**DRAWING NO:**

A23

**DATE:**

04.03.2024

Interior Schedule

Room	Perimeter	Floor			Ceiling		Walls	
		Area sqm	Perimeter	Finish	Area sqm	Finish	Area sqm	Finish
Living room+Kitchen	1	46.77	27592	Ecoliving Pearl OG02	46.77	Client supplied	49.770 4.0950	
Master Bedroom	2	16.30	16392		16.30		35.972	
Master En-Suite Bathroom	3	16.15	20190		16.15		32.106 2.119	
Bedroom 1	4	20.71	20992		20.71		47.33	
Bathroom 1	5	7.19	12288		7.19		14.863 2.272	
Bedroom 2	6	20.71	20992		20.71		40.639	
Bathroom 2	7	7.19	12288		7.19		14.863 2.272	
Total		135.02	130 734		176.06	Client supplied	4.391	Halma Bege HM25R
							6.015	353white concrete reproduction
							349.318	Client supplied

Interior paint wall finish and ceiling  
Colour:white



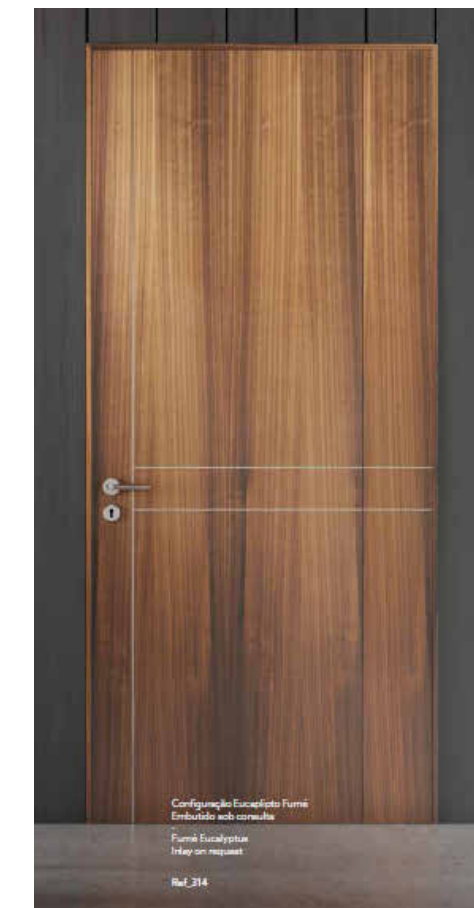
Exterior wall finish  
Stolit K fine grain exterior plaster  
Colour: pure white



Interior doors and furniture



Furniture type: Compincar, model 1003



Interior doors:Compincar:Model 314

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**Windows**

Refer to plans for individual opening detail and dimensions  
CORTIZO COR VISION aluminium window systems.

Finish – Pure White  
Locking – integrated  
Handles – integrated

Fixing kit  
Anthracite RAL7016

<https://www.cortizo.com/en/sistemas/ver/55/cor-vision-sliding.html>



**Glazing**

Double glazed sealed glass unit - Laminated security glass  
4mm +

2mmPVB+ 4mm + 16mm argon filled void + 6mm SNX low E  
SunGuard SNX60 extra selective solar control glass

<https://www.guardianglass.com/gb/en/our-glass/solar-controlglass/sunguard-extraselective/product.690.snx-60?page=1&region=GB&networkOfSuppliers=&sortBy=a-z>

Interior/exterior  
Innova Brick Beige IV23R  
34x66,5, 13,4"x26,2" / R17



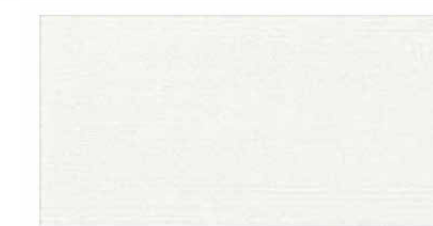
Innova Brick Beige IV23R  
34x66,5, 13,4"x26,2" / R17

Interior shower  
Travertino Bege RT27R / R21  
32,5x90, 12,8"x35,4"



Travertino Bege

Kitchen backsplash  
Brilho / Glossy vogue VO01R / R16  
34x66,5, 13,4"x26,2"



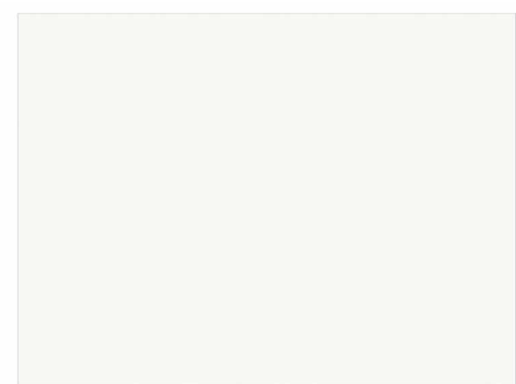
White

Floor  
Halma - Cinza  
45x45, 18"x18"



Cinza

Kitchen  
Nobilis  
Front: 427 Alpine white  
Worktop: 193 Alpine white  
Carcase colour: 060 Alpine white gloss  
Front-inside island/tall cabinets: 843 Bergamo oak reproduction



Ceiling interior and exterior cladding



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**Firefly**

**DRAWING TITLE:**

Finish Schedules

**DRAWN BY:**

Mladin Monica-Mihaela

**SCALE:**

**DRAWING NO:**

A24

**DATE:**

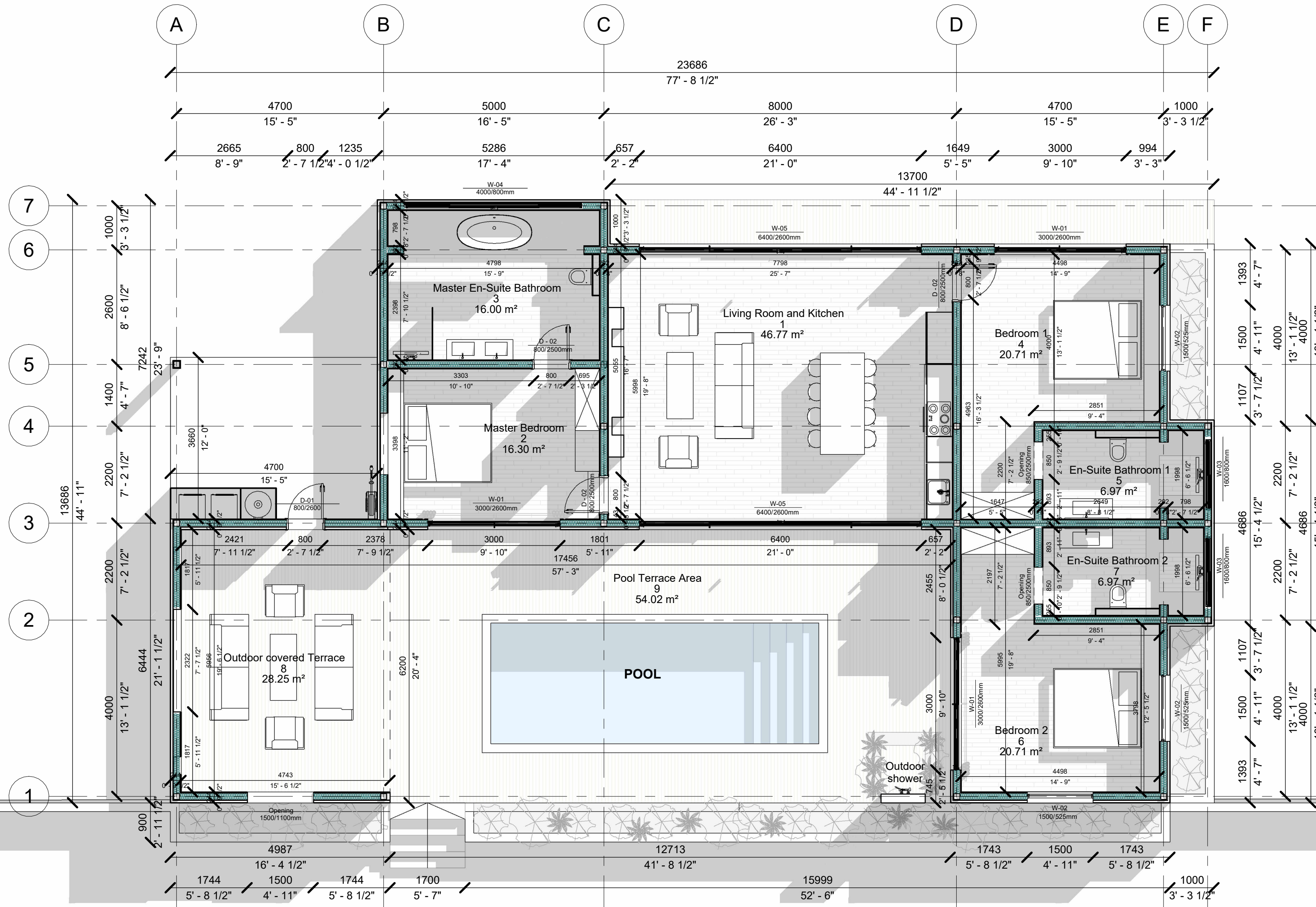
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FRONT ELEVATION

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RIGHT ELEVATION

LEFT ELEVATION



BACK ELEVATION

No.	Revision	Date

ISSUED FOR:

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Firefly

DRAWING TITLE:  
Ground Floor Dimensions

DRAWN BY:  
Mladin Monica-Mihaela

SCALE:  
1 : 70

DRAWING NO:  
A25

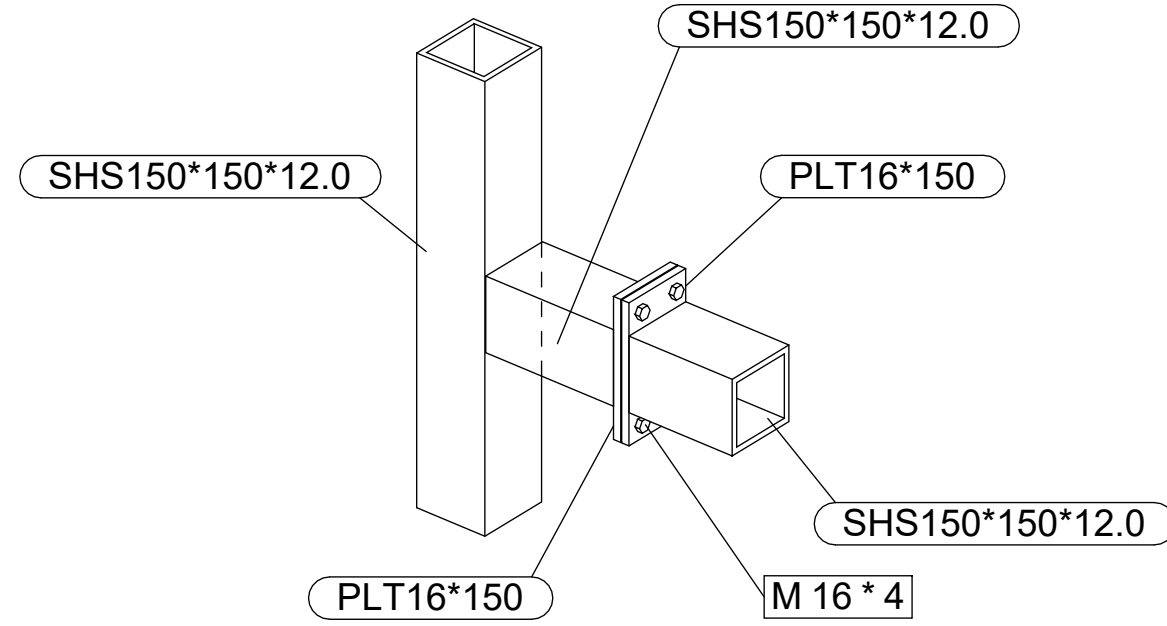
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04.03.2024



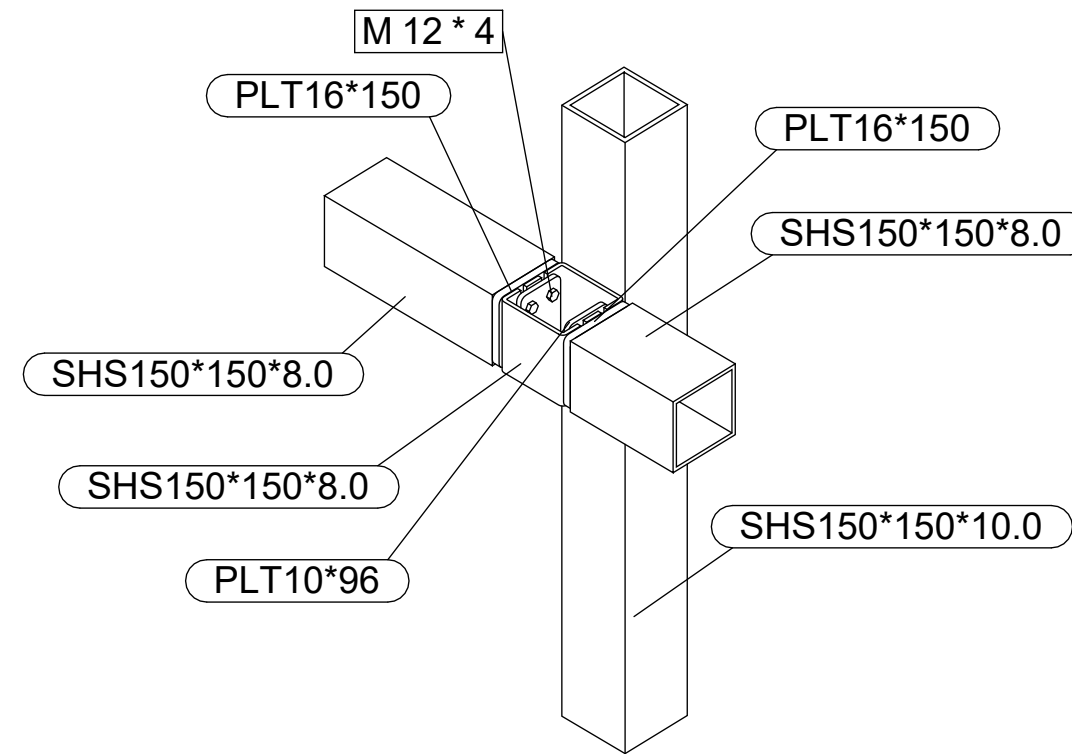


# HRS CONNECTIONS

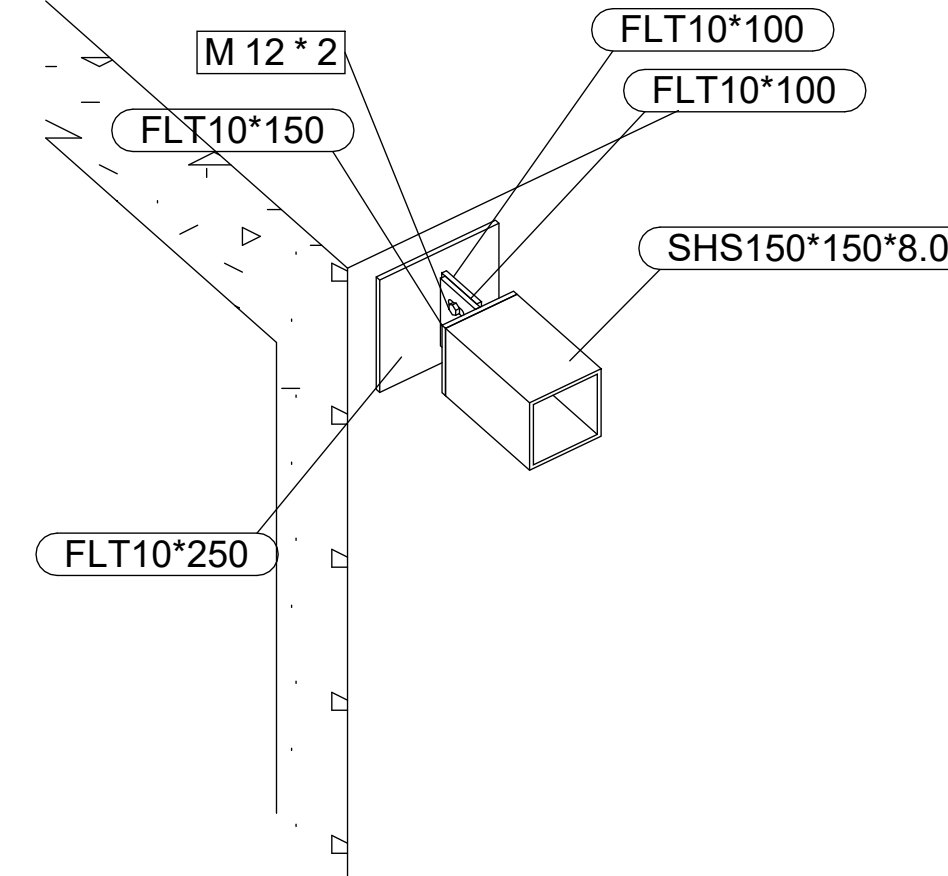
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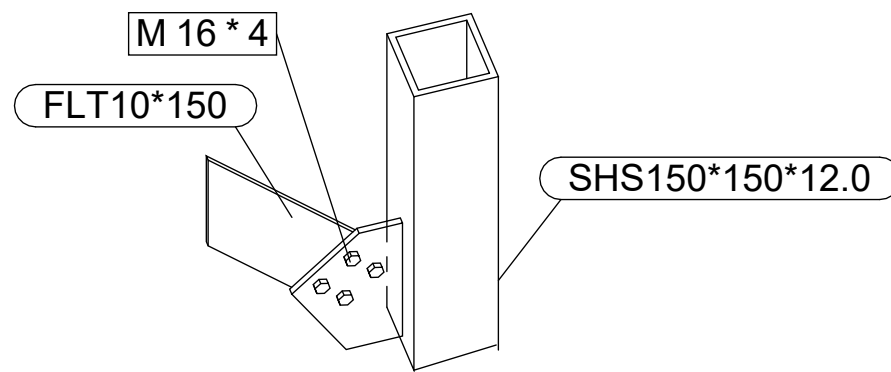
Typical Column Beam Stub Connection



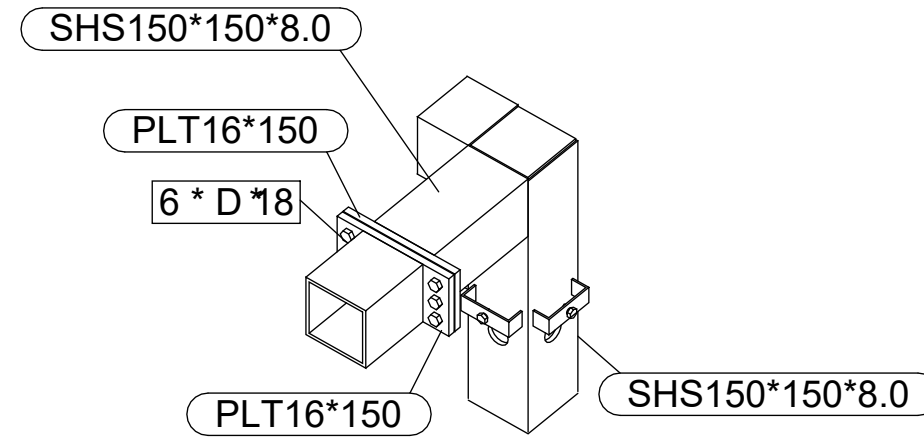
Typical Beam Offset Connection



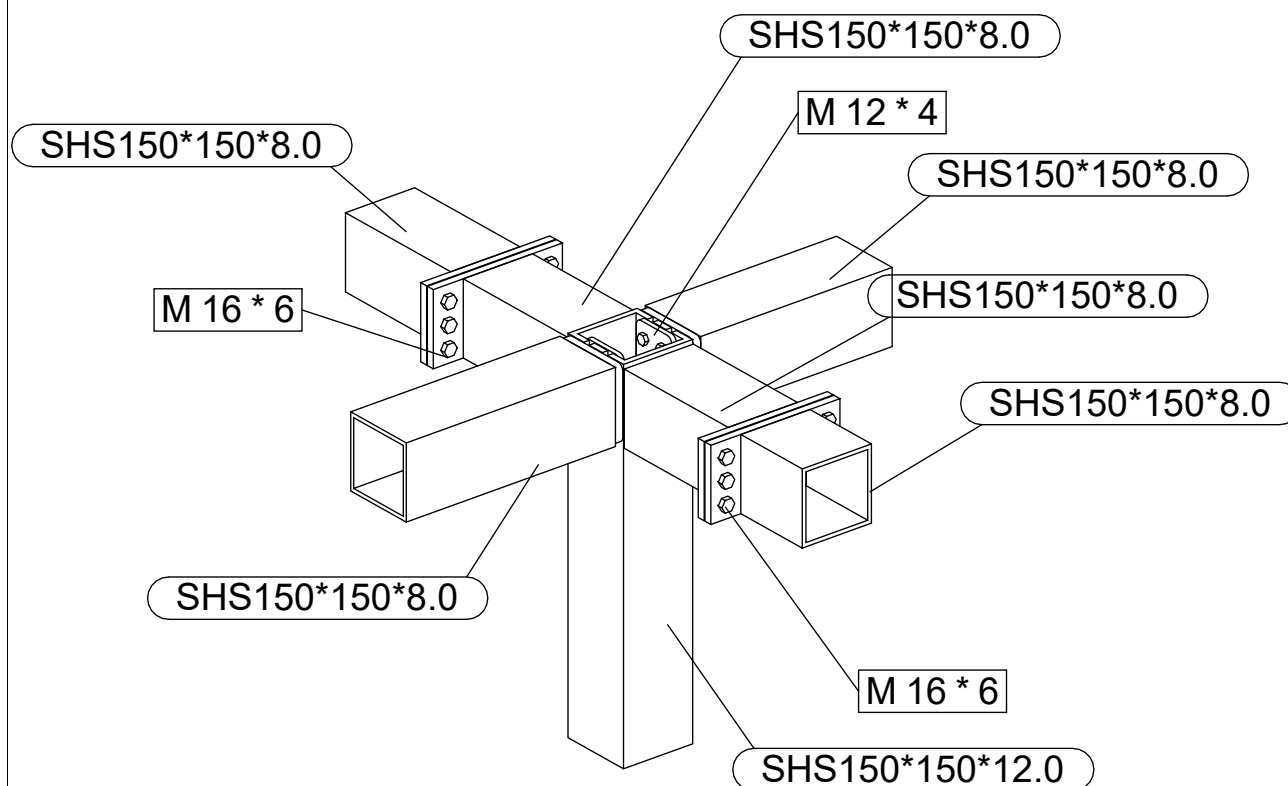
Typical Beam to Concrete Connection



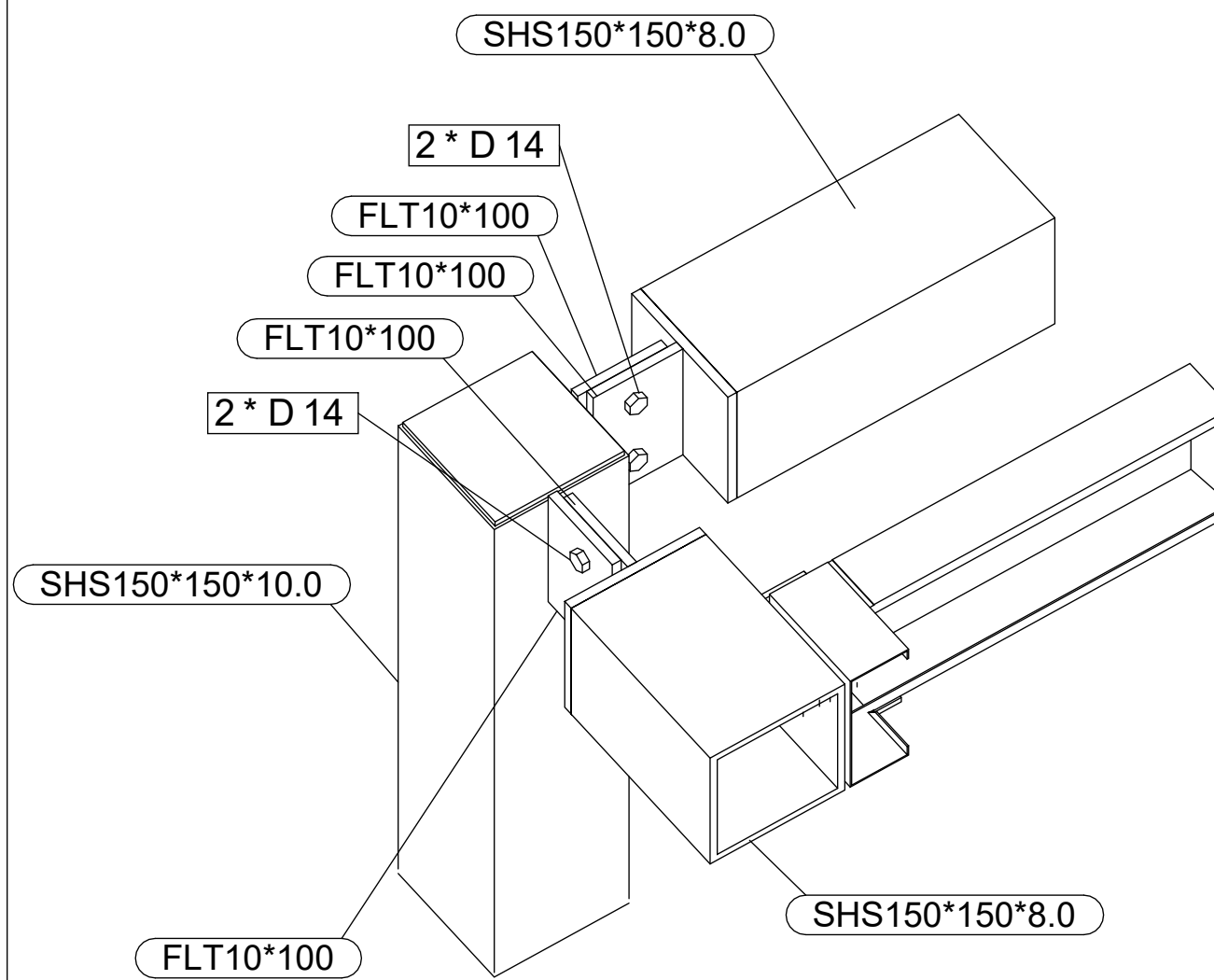
Typical Bracing Connection



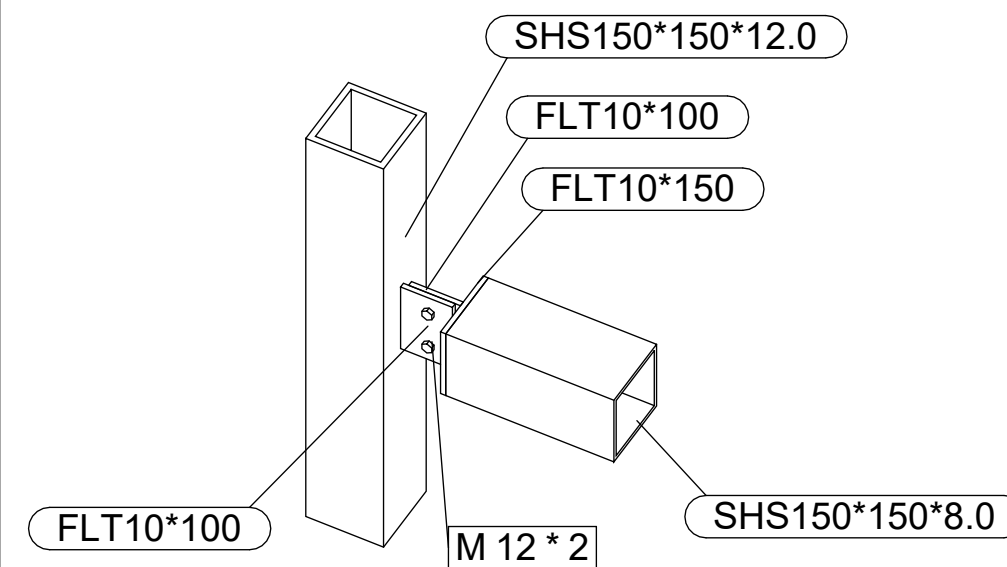
Typical Column to Beam Splice Connection



Typical Roof Column Beam Connection



Typical Column to Beam Fine Plate Connection



Typical Column Beam Fine Plate Connection

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## Firefly

DRAWING TITLE:  
HRS Connections 3D

DRAWN BY:  
Mladin Monica-Mihaela

SCALE:

DRAWING NO:  
A27

DATE:  
04.03.2024









