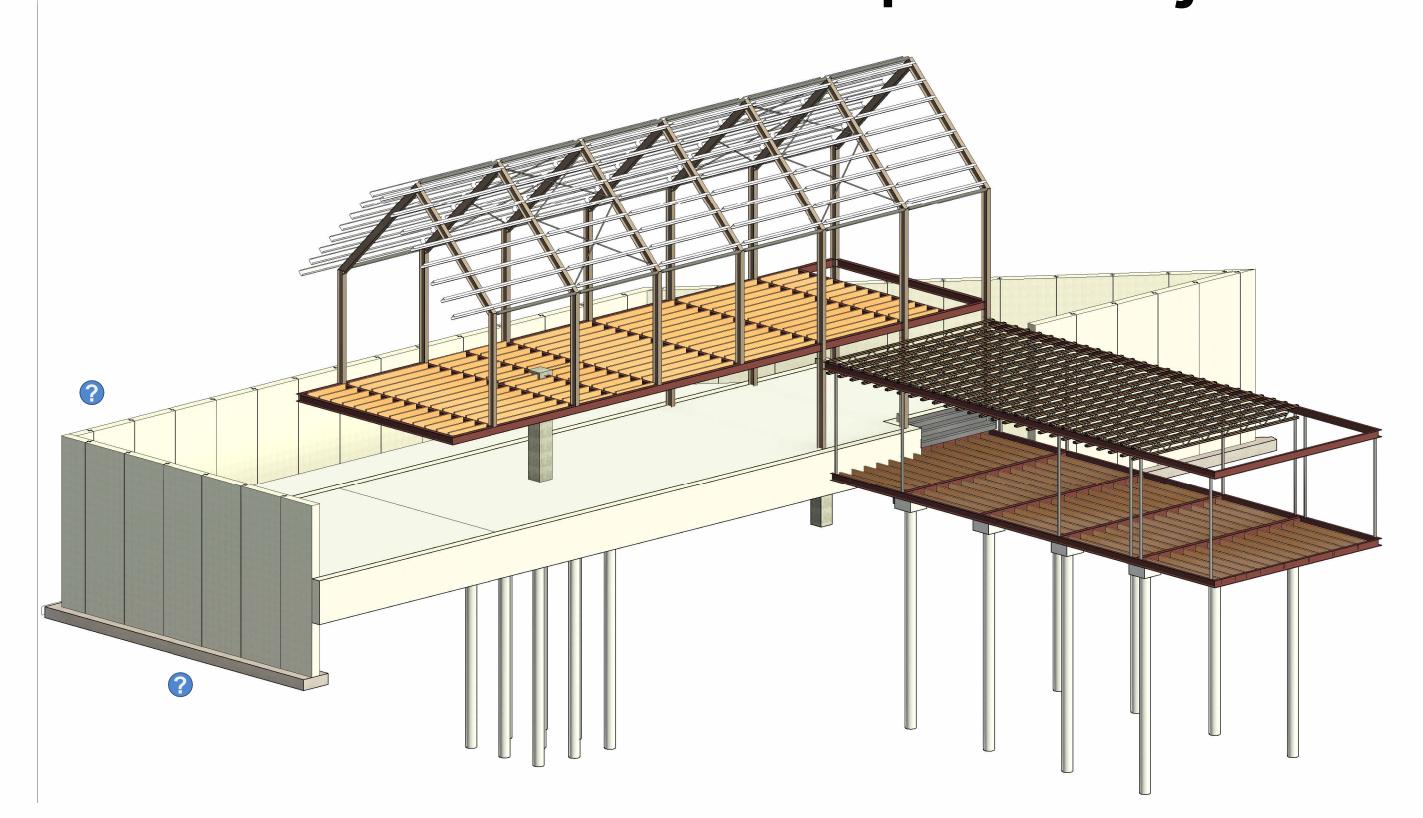
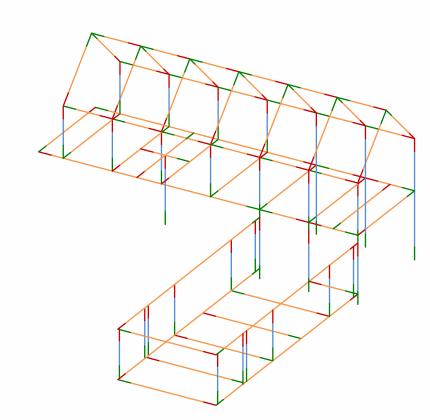
# Autodesk<sup>®</sup> Revit<sup>®</sup> Basic Structural Sample Project



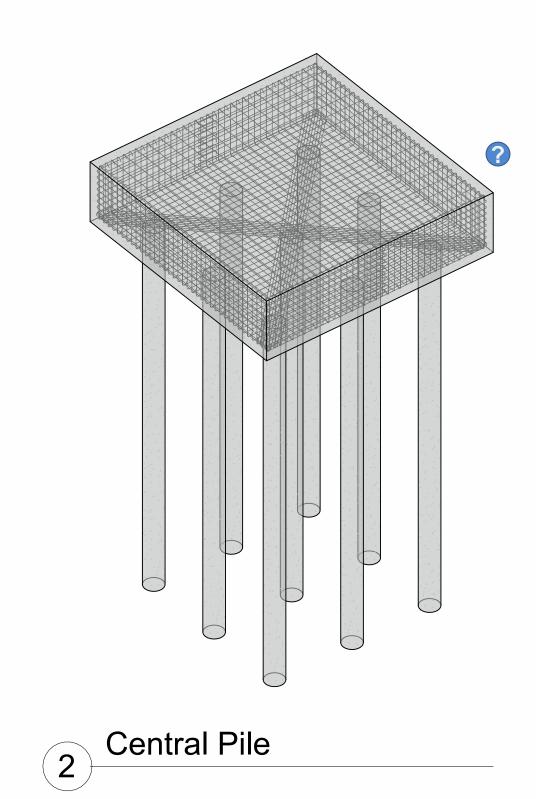


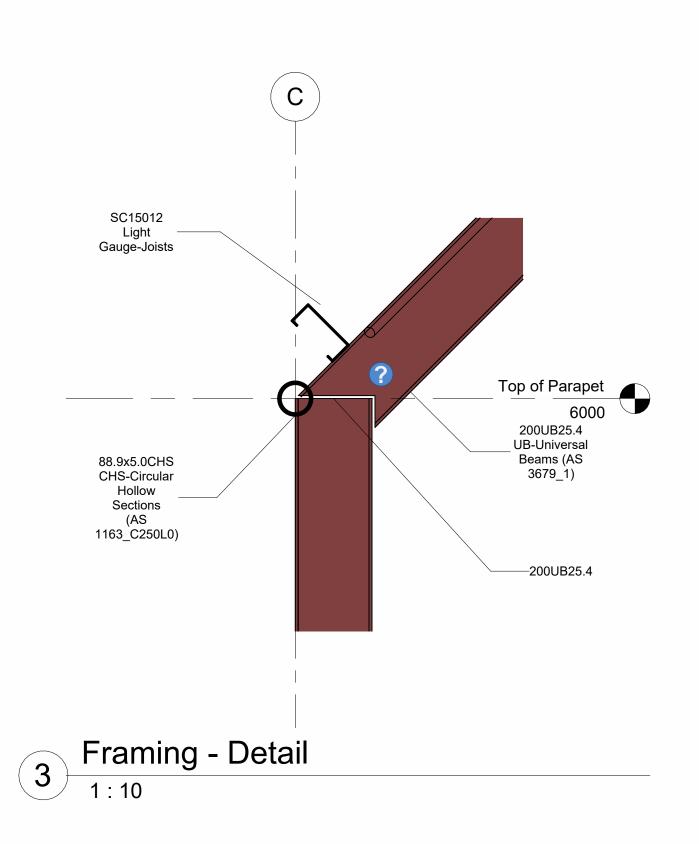
4 Analytical Model

#### How Do I

To learn more about the contents of the sample project look for the Help Icon near an element. Select the icon and then select the Learning Link parameter in the properties palette. Use the "..." to connect to the related wiki topic. Once you have reviewed the wiki topic select the content reviewed check box in the properties palette.

Level	Topic	What View	Reviewed?
01 - Basic	Add levels to the project.	Elevations - South	No
01 - Basic	Place grids into a project and control grid heads display.	Structural Plans - Level 1	No
01 - Basic	Add a Column	Structural Plans - Level 2	No
01 - Basic	Add a Beam	Sections - Longitudinal Section	No
01 - Basic	Create Structural Wall	Sheet - S202	No
01 - Basic	Place Beam Tags	Sections - Longitudinal Section	No
01 - Basic	Add floors to the project	Sections - Cross Section	No
01 - Basic	Create Wall Footing	Sheet - S202	No
01 - Basic	Create section views.	Sections - Longitudinal Section	No
01 - Basic	Add a callout	Sections - Cross Section	No
01 - Basic	Create a detail view.	Sections - Cross Section	No
01 - Basic	Create 3D View	Sheet - S001	No
01 - Basic	Set the scale of a view.	Roof Peak	No
01 - Basic	Specify the detail level of a view	Elevations - South	No
01 - Basic	Add detail lines to a view.	Drafting Views - Pile Cap Detail	No
01 - Basic	Add aligned dimensions to a view.	Structural Plans - Level 1	No
01 - Basic	Add text notes to a view.	Drafting Views - Pile Cap Detail	No
01 - Basic	Add a sheet to the project.	Sheet - S001	No
02 - Intermediate	Offset level head from the level line.	Elevations - South	No
02 - Intermediate	Copy/Monitor Elements from a linked model	Structural Plans - Level 1	No
02 - Intermediate	Create Beam System	Structural Plans - Level 1	No
02 - Intermediate	Create a schedule.	Sheet - S206	No
02 - Intermediate	Create Graphical Column Schedule	Sheet - S206	No
02 - Intermediate	Place Rebar	Structural Plans - Level 1	No
02 - Intermediate	Cut an Opening in a Framing Element	Sheet - S001	No
02 - Intermediate	Import DWG Details	Sheet - S204	No
02 - Intermediate	Make Elements Transparent	Sheet - S001	No
03 - Advanced	Structural Analytical Model	Sheet - S001	No
03 - Advanced	Create Parts	Sheet - S001	No







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No. Description Date

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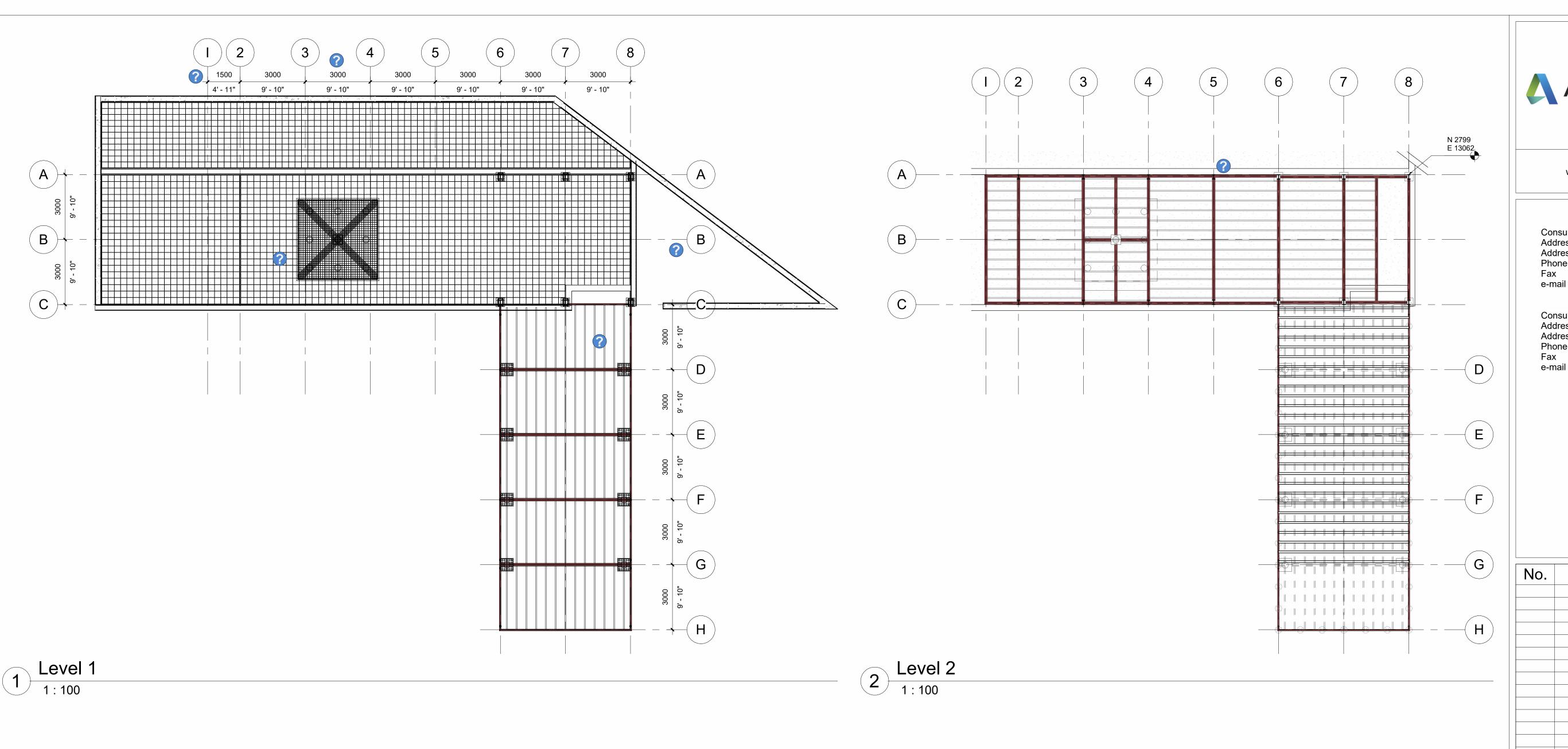
Sample House

### Title Sheet

Project number	001-00			
Date	Issue Date			
Drawn by	AA			
Checked by	JLH			
S001				

Scale

1:10





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No.	Description	Date

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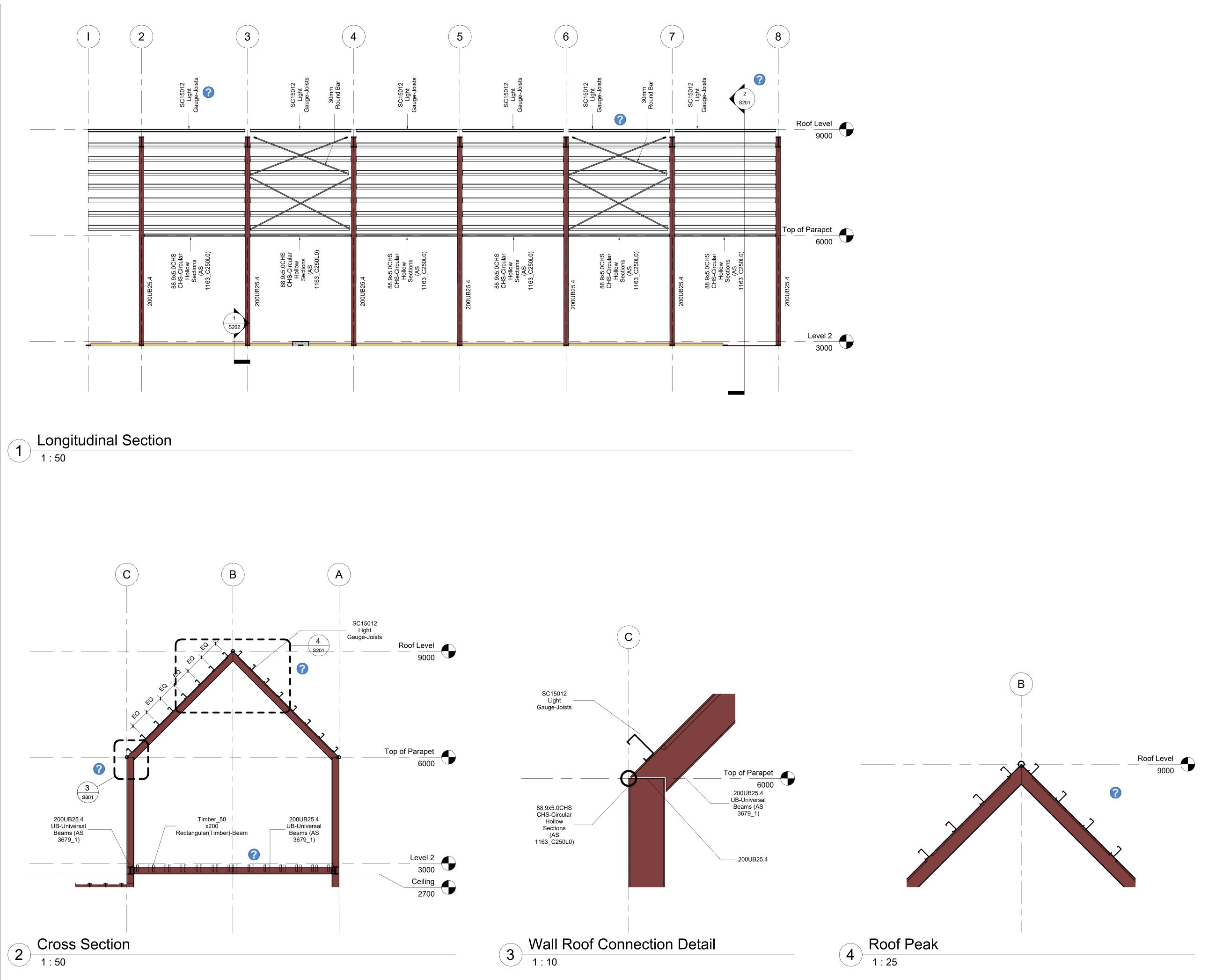
Sample House

### Framing Plans

S101					
Checked by	Checker				
Drawn by	Author				
Date	Issue Date				
Project number	001-00				

Scale

1:100





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No.	Description	Date

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### Sample House

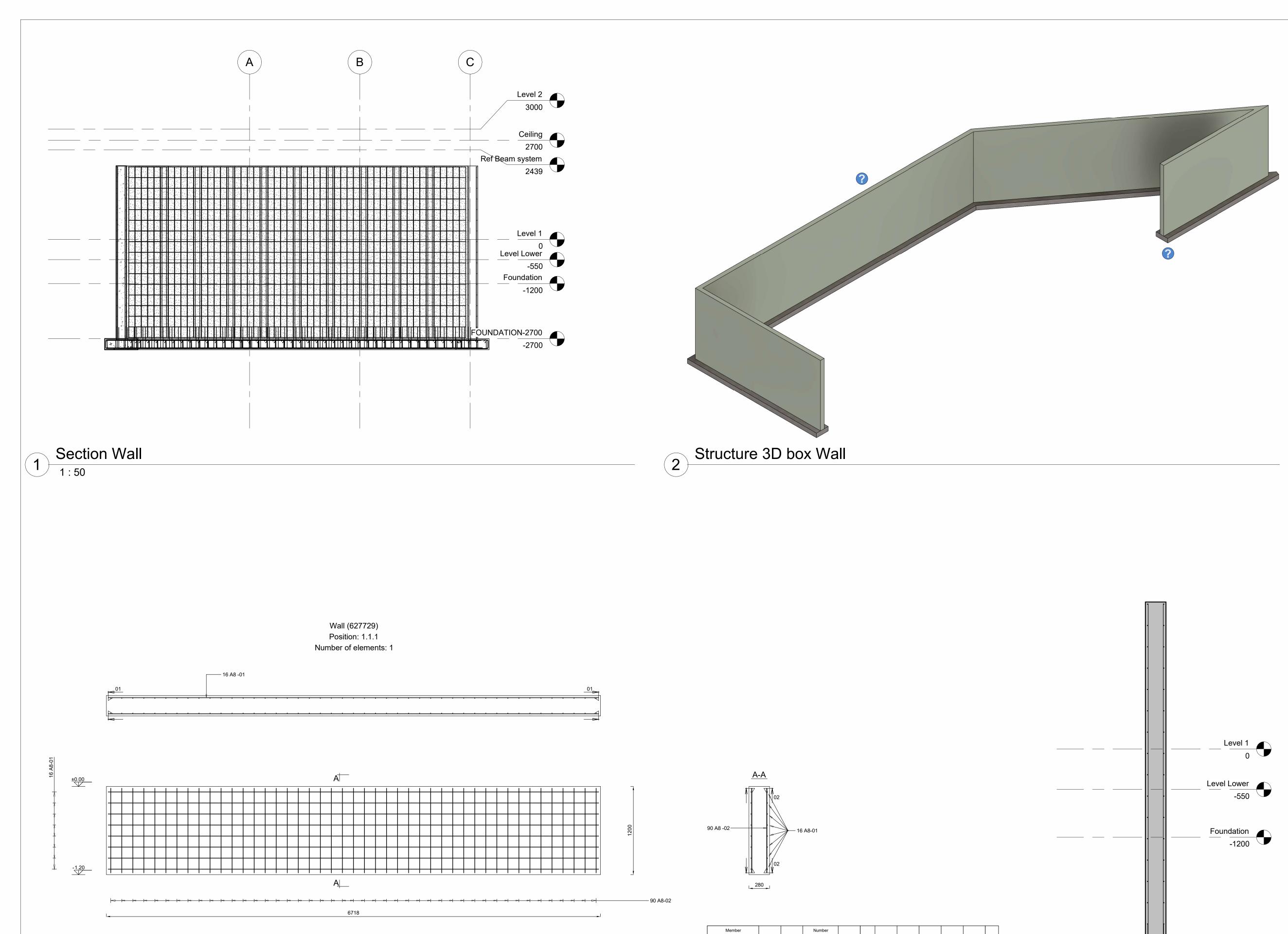
### Upper House Framing

Project number	001-00		
Date	Issue Date		
Drawn by	Author		
Checked by Checker			
S201			

Scale

5/31/2021 1·40·17 PM

As indicated



Wall (627729)
1:25



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No. Description Date

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### Wall Section

Project number	001-00
Date	Issue Date
Drawn by	Author
Checked by	Checker

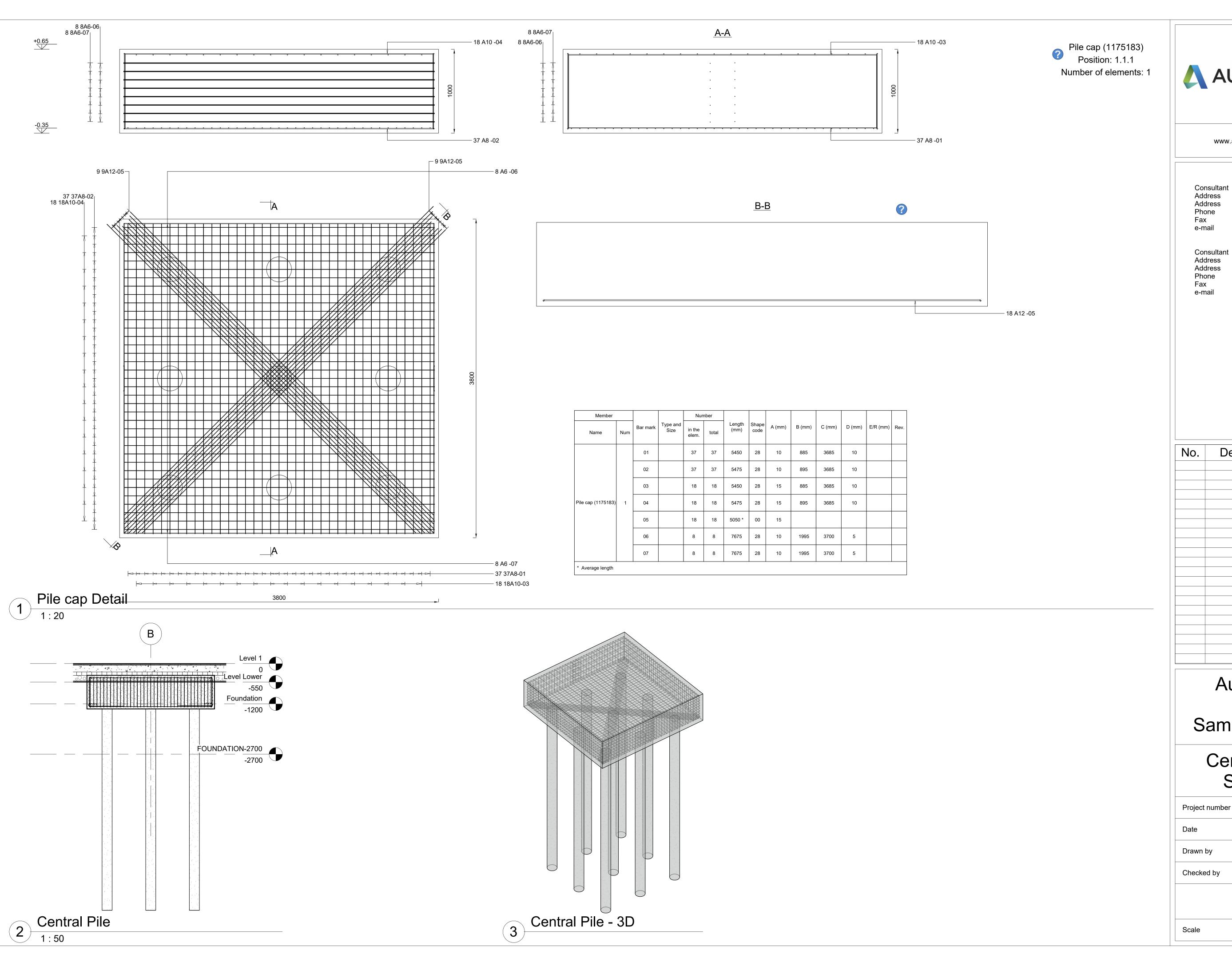
FOUNDATION-2700 -2700

Section Wall2

1:25

S202

Scale As indicated





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No.	Description	Date

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### Sample House

### Central Pile Section

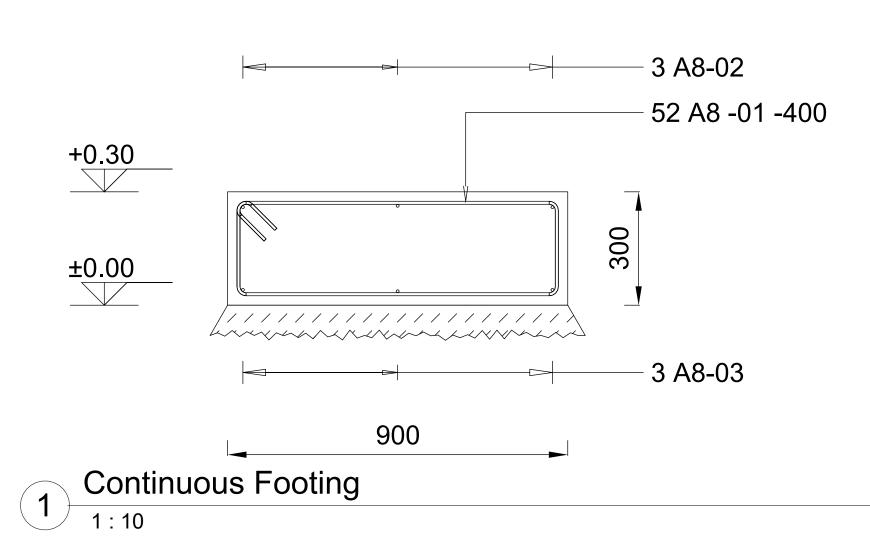
Checked by	Checker
Drawn by	Author
Date	Issue Date
Project number	001-00

S203

As indicated

### Continuous footing (1178029) Position: 1.1.1

Number of elements: 1



Member	Member			Num	nber								
Name	Num	Bar mark	Type and Size	in the elem.	total	Length (mm)	Shape code	A (mm)	B (mm)	C (mm)	D (mm)	E/R (mm)	Rev.
		01	X8	52	52	2375	31	250	850	250	850		
Continuous footing (1178029)	1	02	X8	3	3	20650		20655					
		03	X8	3	3	20650		20655					



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No.	Description	Date

### Autodesk

### Sample House

### Footing Detail

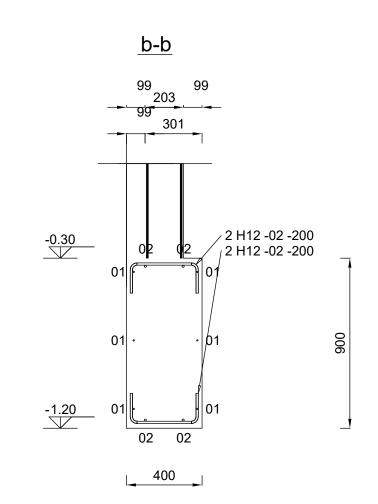
Project number	001-00
Date	Issue Date
Drawn by	Author
Checked by	Checker

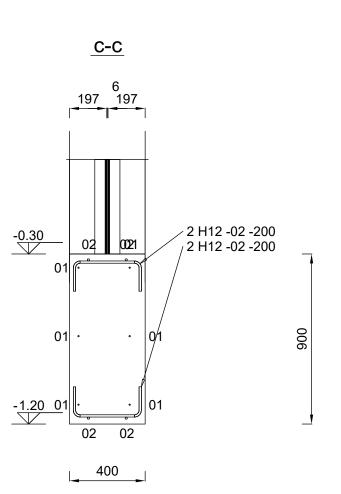
S204

Scale

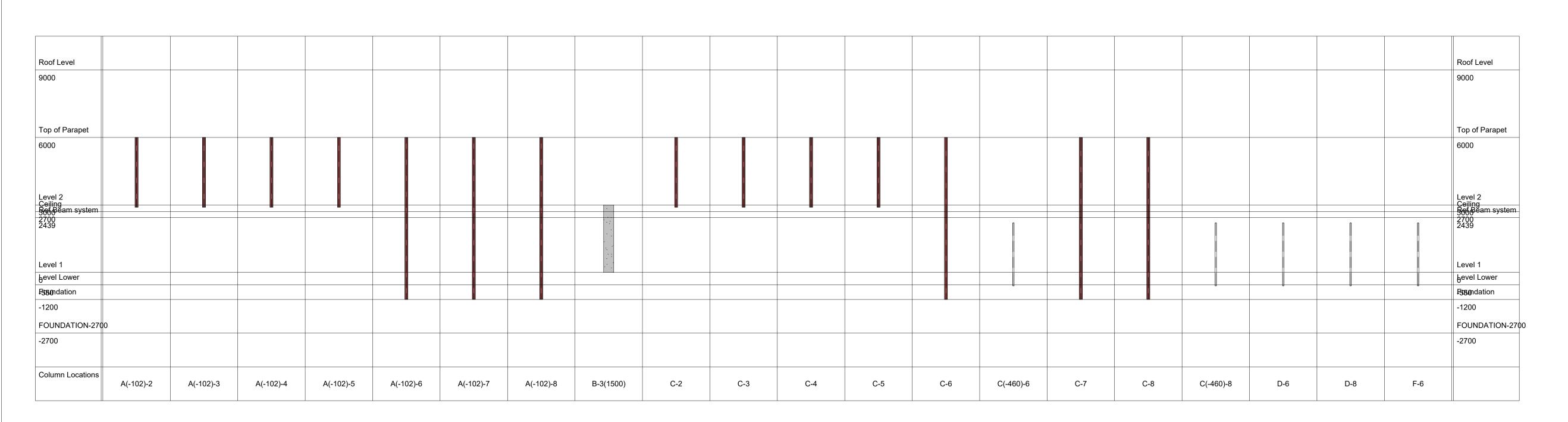
As indicated

	Spread footing (1177820) (F) Scale 1 : 20
301	<u>a-a</u> 133 133 133  007- 20-21H 2  b  2 H12-02 -200  2 H12-02 -200
	400





Member				Nun	Number								
Name	Num	Bar mark	Type and Size	in the elem.	total	Length (mm)	Shape code	A (mm)	B (mm)	C (mm)	D (mm)	E/R (mm)	Rev.
Spread footing (1177820) (F)	1	01	X8	3	3	1400	31	335	280	345	270		
	'	02	H12	8	8	625	00	360					



Roof Level								Roof Level
9000								9000
Top of Parapet								Top of Parapet
6000								6000
Level 2 Ceiling Ref Beam system 2700 2439								Level 2 Ceiling Ref Beam system 2700 2439
Beam system								Boll Beam system
2439								2700 2439
Level 1								Level 1
bevel Lower								hevel Lower
F380ndation	u	u u		u u	<u> </u>			F380ndation
-1200								-1200
FOUNDATION-2700	)							FOUNDATION-270
-2700								-2700
Column Locations		0(000)	0/ 155) 5	0(053) 5	0/ 155) 5	11/422.2	11/4523.5	
	F-8	G(220)-6	G(-160)-6	G(220)-8	G(-160)-8	H(160)-6	H(160)-8	

### Graphical Column Schedule 1:100



	Stru	ıctural Column Scl	nedule			
Family	Туре	Length	Base Level	Base Offset	Top Level	Top Offse
JB-Universal Beams-Column (AS 3679_1)	200UB25.4	3100	Level 2	-100	Top of Parapet	0
JB-Universal Beams-Column (AS 3679_1)	200UB25.4	3100	Level 2	-100	Top of Parapet	0
JB-Universal Beams-Column (AS 3679_1)	200UB25.4	3100	Level 2	-100	Top of Parapet	0
JB-Universal Beams-Column (AS 3679_1)	200UB25.4	3100	Level 2	-100	Top of Parapet	0
JB-Universal Beams-Column (AS 3679_1)	200UB25.4	3561	Ref Beam system	0	Top of Parapet	0
JB-Universal Beams-Column (AS 3679_1)	200UB25.4	7200	Foundation	0	Top of Parapet	0
/_Concrete-Square-Column	450 x 450mm	3350	Level 1	-350	Level 2	0
/_HSS Square-Column	HSS63.5X63.5X7.9	2793	Level Lower	-44	Ref Beam system	-240
//_HSS Square-Column	HSS63.5X63.5X7.9	2793	Level Lower	-44	Ref Beam system	-240
л_HSS Square-Column	HSS63.5X63.5X7.9	2793	Level Lower	-44	Ref Beam system	-240
/_HSS Square-Column	HSS63.5X63.5X7.9	2793	Level Lower	-44	Ref Beam system	-240
/ HSS Square-Column	HSS63.5X63.5X7.9	2793	Level Lower	-44	Ref Beam system	-240
/_HSS Square-Column	HSS63.5X63.5X7.9	2793	Level Lower	-44	Ref Beam system	-240
 //_HSS Square-Column	HSS63.5X63.5X7.9	2793	Level Lower	-44	Ref Beam system	-240
/_HSS Square-Column	HSS63.5X63.5X7.9	2793	Level Lower	-44	Ref Beam system	-240
M_HSS Square-Column	HSS63.5X63.5X7.9	2793	Level Lower	-44	Ref Beam system	-240
л HSS Square-Column	HSS63.5X63.5X7.9	2793	Level Lower	-44	Ref Beam system	-240
 И_HSS Square-Column	HSS63.5X63.5X7.9	2793	Level Lower	-44	Ref Beam system	-240
JB-Universal Beams-Column (AS 3679_1)	200UB25.4	3639	Foundation	0	Ref Beam system	0
JB-Universal Beams-Column (AS 3679_1)	200UB25.4	3100	Level 2	-100	Top of Parapet	0
JB-Universal Beams-Column (AS 3679_1)	200UB25.4	3100	Level 2	-100	Top of Parapet	0
JB-Universal Beams-Column (AS 3679 1)	200UB25.4	3100	Level 2	-100	Top of Parapet	0
JB-Universal Beams-Column (AS 3679_1)	200UB25.4	3100	Level 2	-100	Top of Parapet	0
JB-Universal Beams-Column (AS 3679_1)	200UB25.4	7200	Foundation	0	Top of Parapet	0
JB-Universal Beams-Column (AS 3679_1)	200UB25.4	7200	Foundation	0	Top of Parapet	0
JB-Universal Beams-Column (AS 3679_1)	200UB25.4	3561	Ref Beam system	0	Top of Parapet	0
JB-Universal Beams-Column (AS 3679_1)	200UB25.4	3639	Foundation	0	Ref Beam system	0
JB-Universal Beams-Column (AS 3679_1)	200UB25.4	3561	Ref Beam system	0	Top of Parapet	0
JB-Universal Beams-Column (AS 3679_1)	200UB25.4	3639	Foundation	0	Ref Beam system	0
M_HSS Square-Column	HSS63.5X63.5X7.9	2793	Level Lower	-44	Ref Beam system	-240



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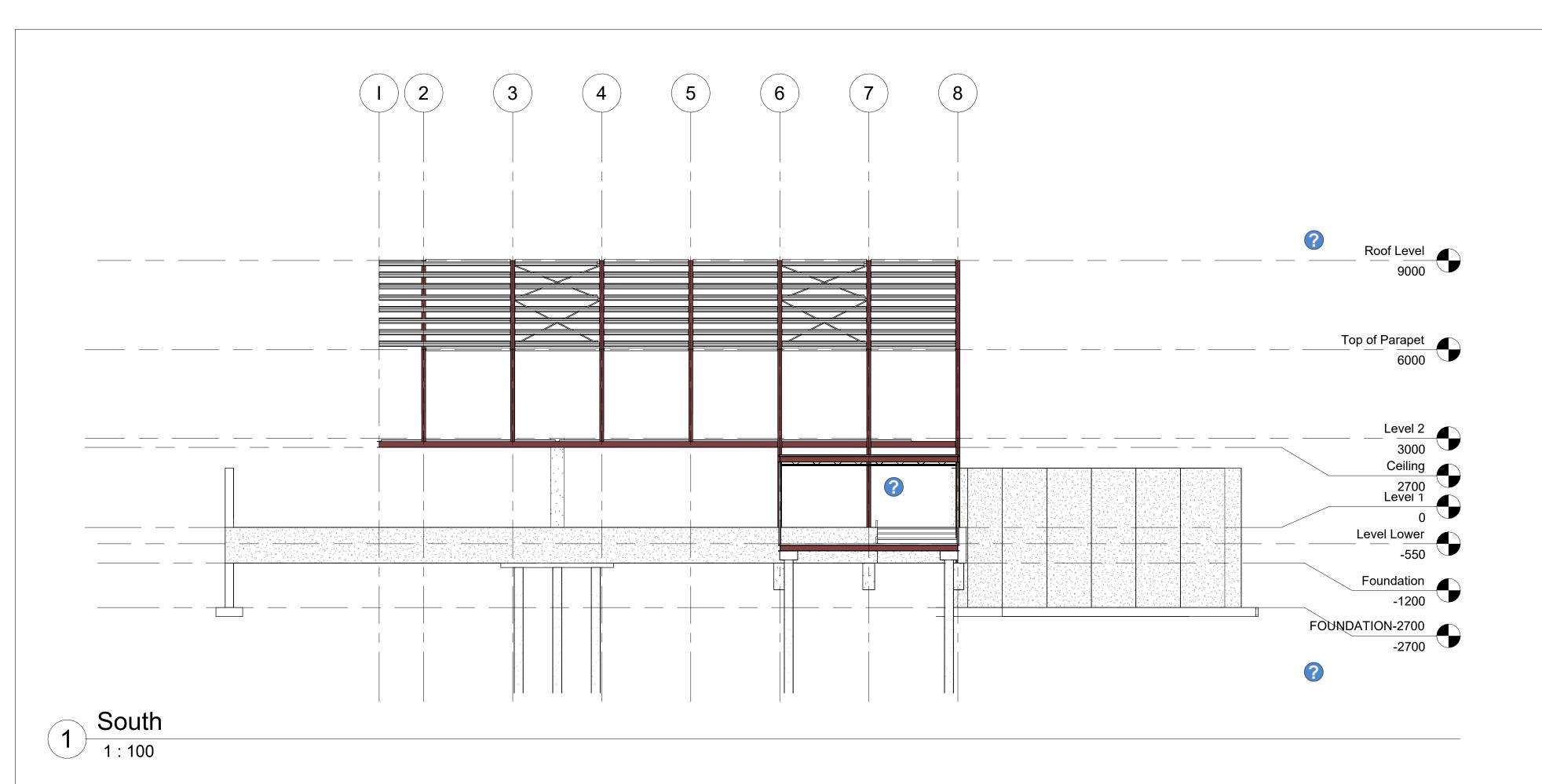
### Sample House

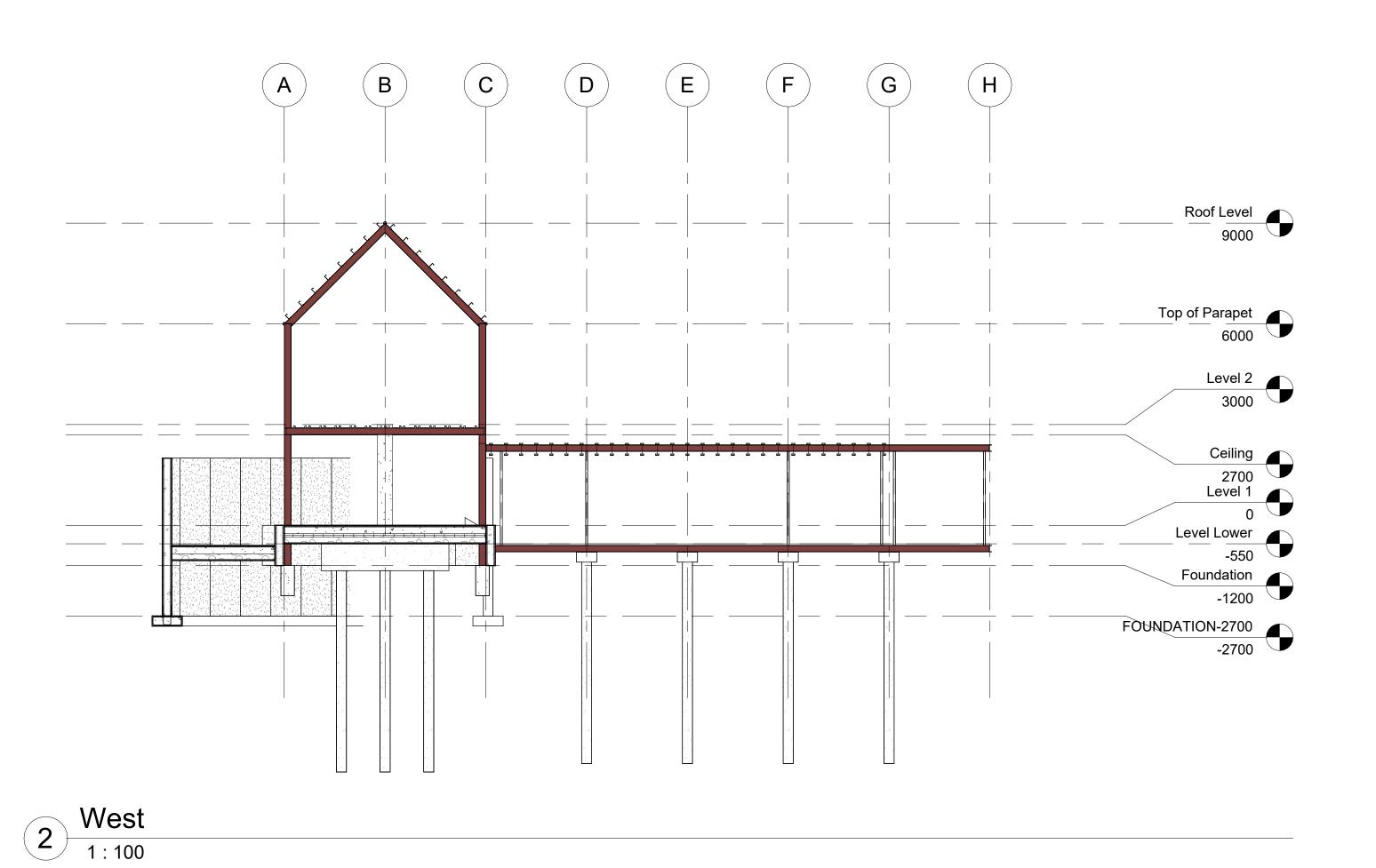
### Column Schedules

Project number	001-00
Date	Issue Date
Drawn by	Author
Checked by	Checker

S205

1:100 Scale







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No.	Description	Date

## Autodesk Sample House

### Elevations

Project number	001-00
Date	Issue Date
Drawn by	Author
Checked by	Checker
	200

S206

Scale 1:100