



SCANDINAVIAN HOMES LTD.

B135-35-EGL

Baltica Series

21.563/22.706c:B135-35-EGL

Customer:

Elaine Gleeson

Site address:

Lowerton More, Blueball, Tullamore, Co.
Offaly

Drawing index:

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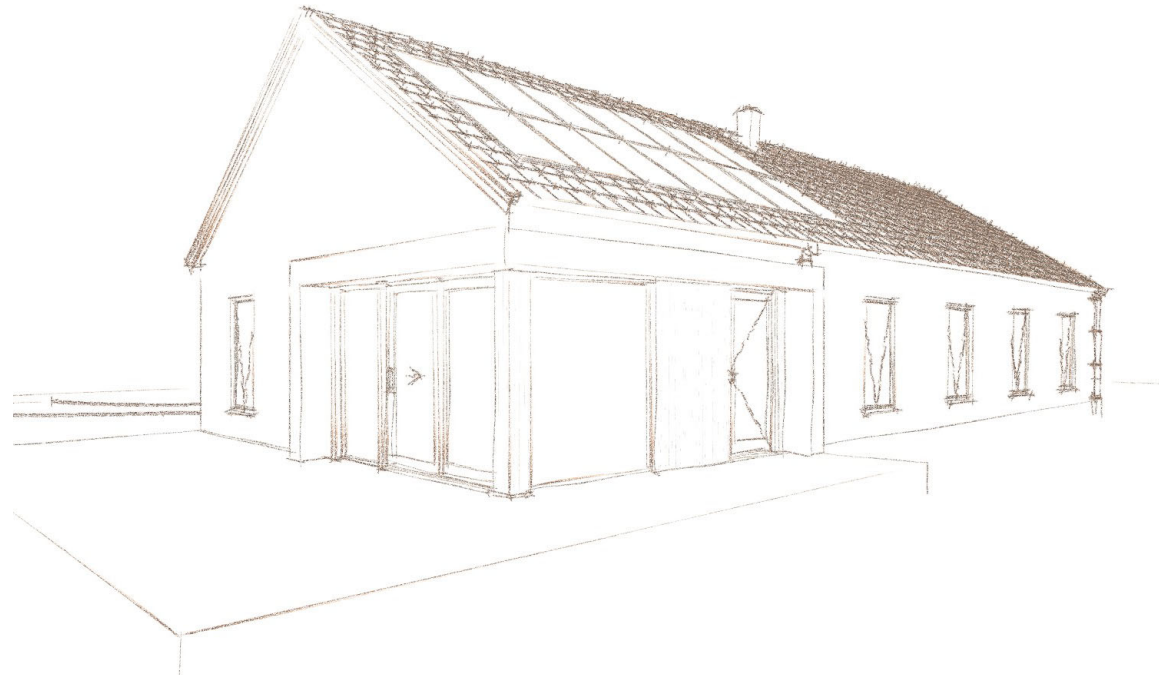
Please ensure that you are working from the latest drawings. Scan and check!



Revision: **A**
(construction drawings)

17 March 2022

Date/Rev:	Changes:	Date/Rev:	Changes:
14 Mar 2022 A	corrected frame height on framing plan page 12, added pex pipes note and dimensions on plumbing page (page 7)		



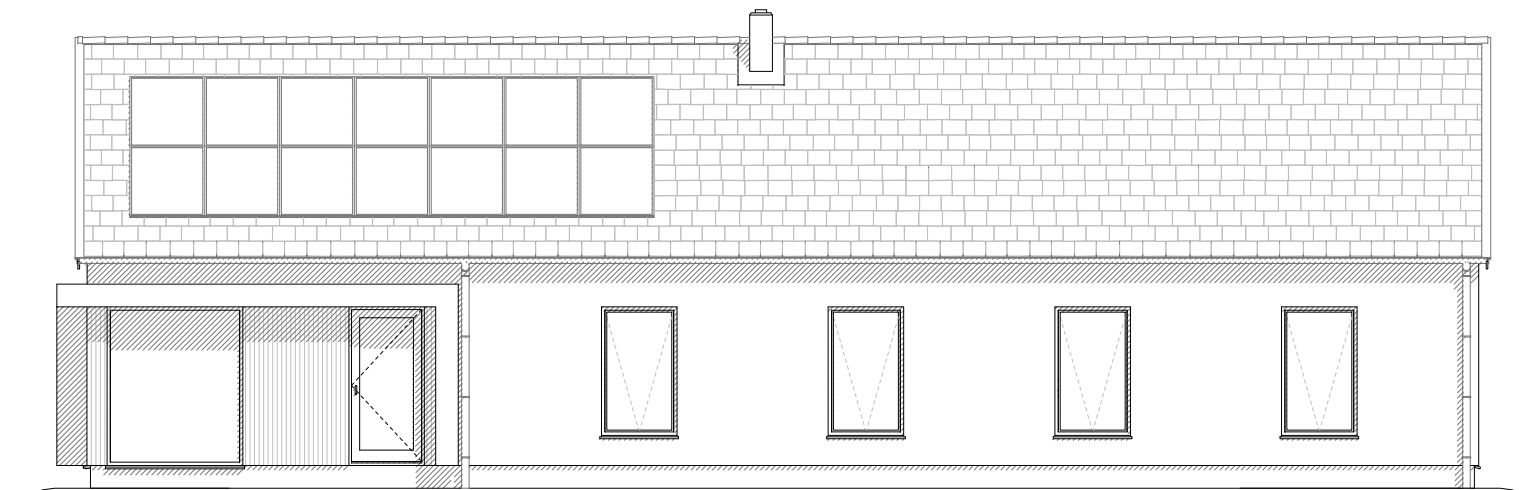
For construction

Revision 17 March 2022/A

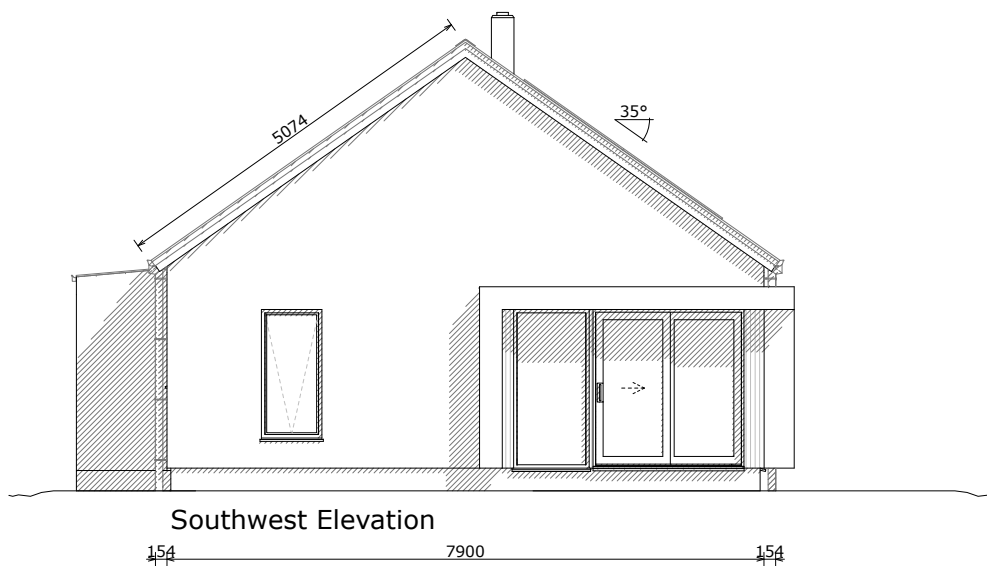
To print to scale when printing from Adobe Acrobat please ensure that in the 'Print' window 'Page Sizing & Handling' is set to 'Actual size'.

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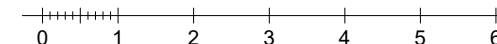


Southeast Elevation



Southwest Elevation

Finishes:	ROOF: black tiles/slates
	WALLS: white plaster finish
	BARGES/SOFFITS/WINDOWS: painted exterior timber



Scale: 1:100 @A4

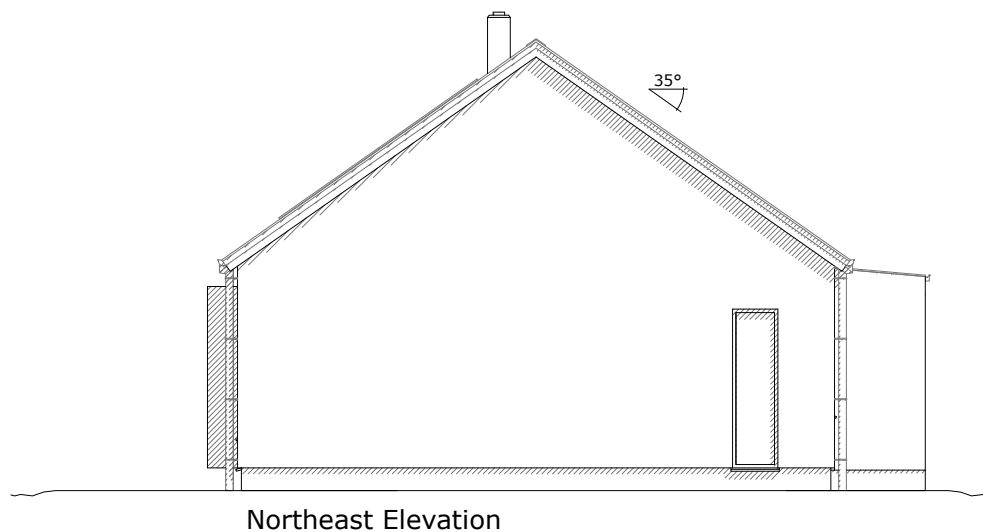
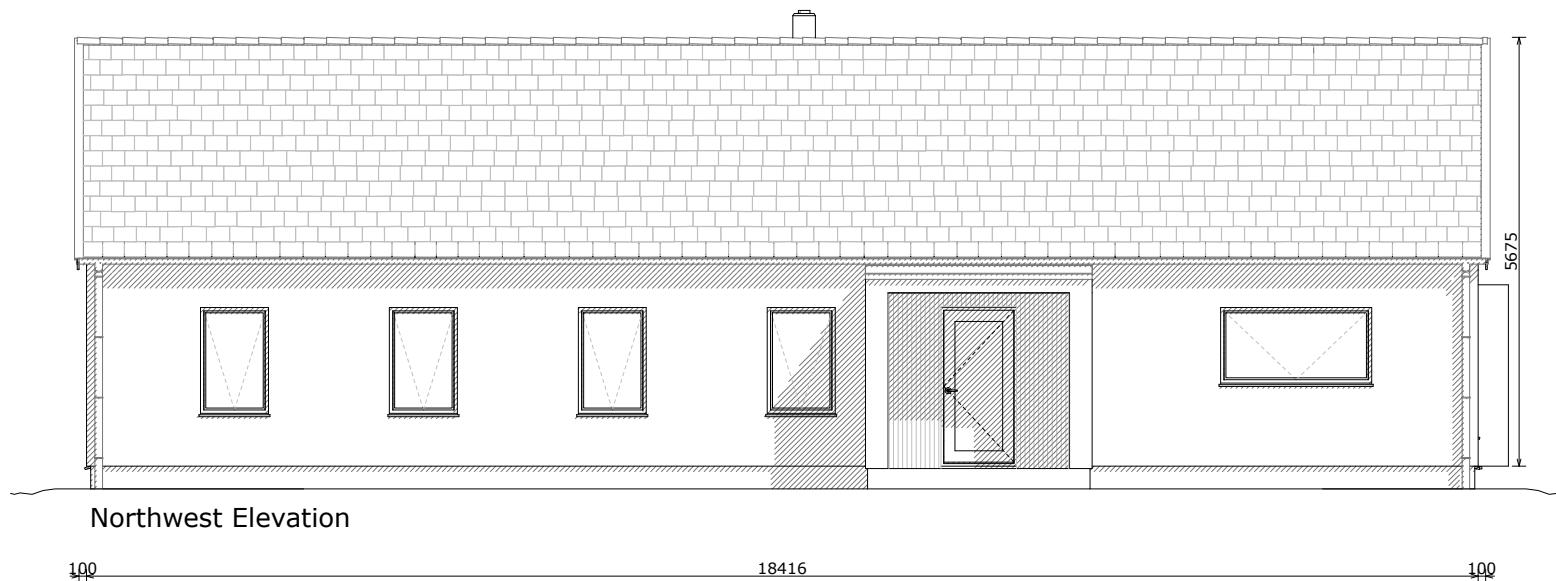
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Elaine Gleeson Lowerton More, Blueball, Tullamore, Co. Offaly	Peter H. Lohr/ Lars Pettersson
SE & SW Elevation	17 March 2022/A

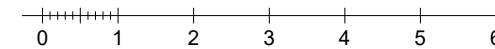
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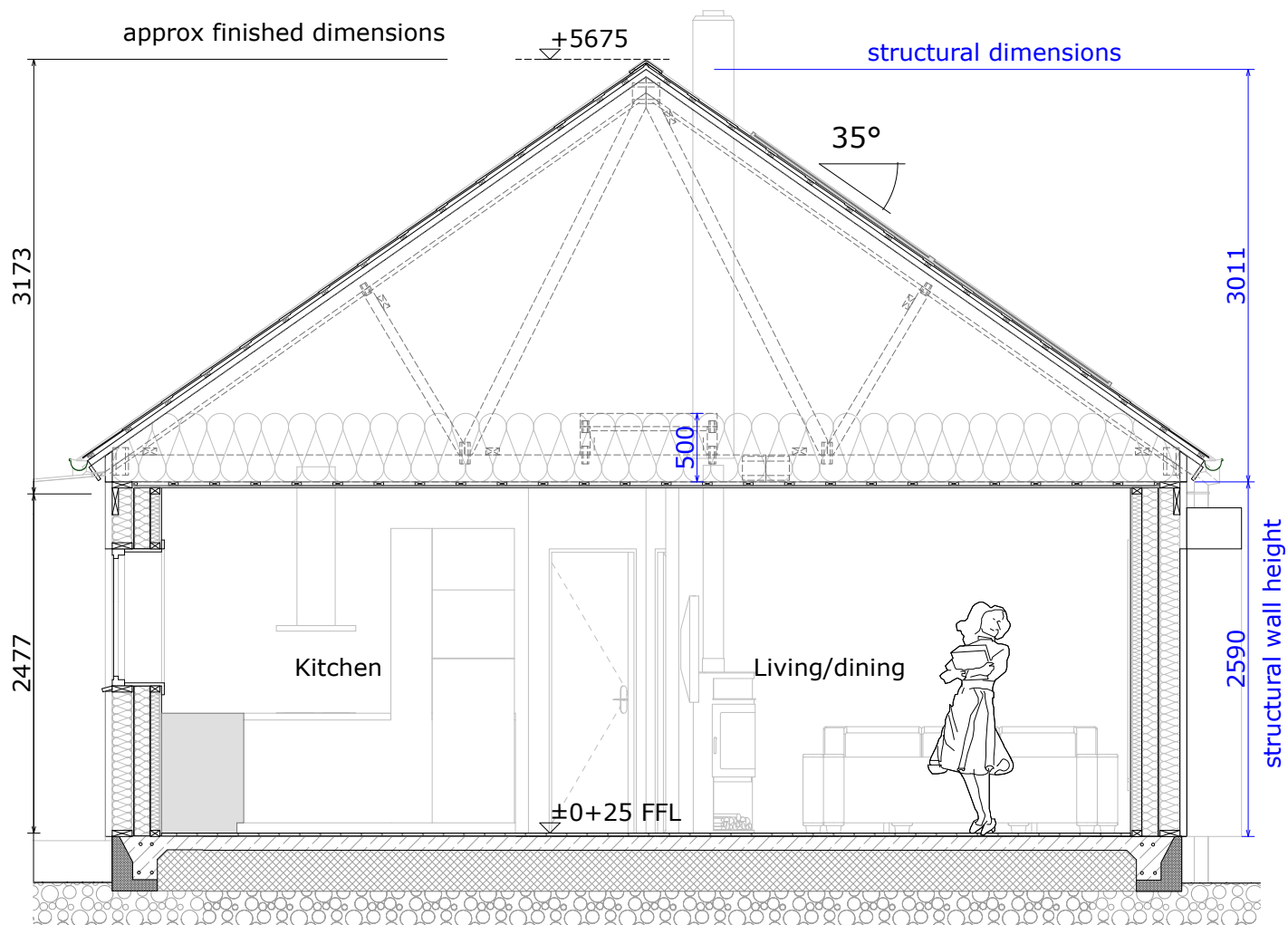


Finishes:
 ROOF: black tiles/slates
 WALLS: white plaster finish
 BARGES/SOFFITS/WINDOWS:
 painted exterior timber



Scale: 1:100 @A4 www.scanhome.ie

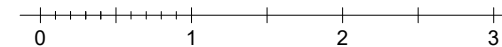
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NE & NW Elevation	17 March 2022/A



Section A-A

Note: Truss drawings & engineer's drawings always take precedence over these drawings

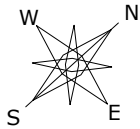
Note: All finished dimensions are approximate only as they are subject to the actually installed flooring/ceiling types



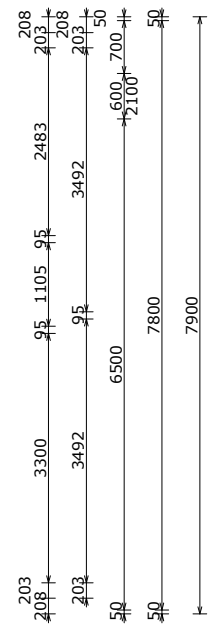
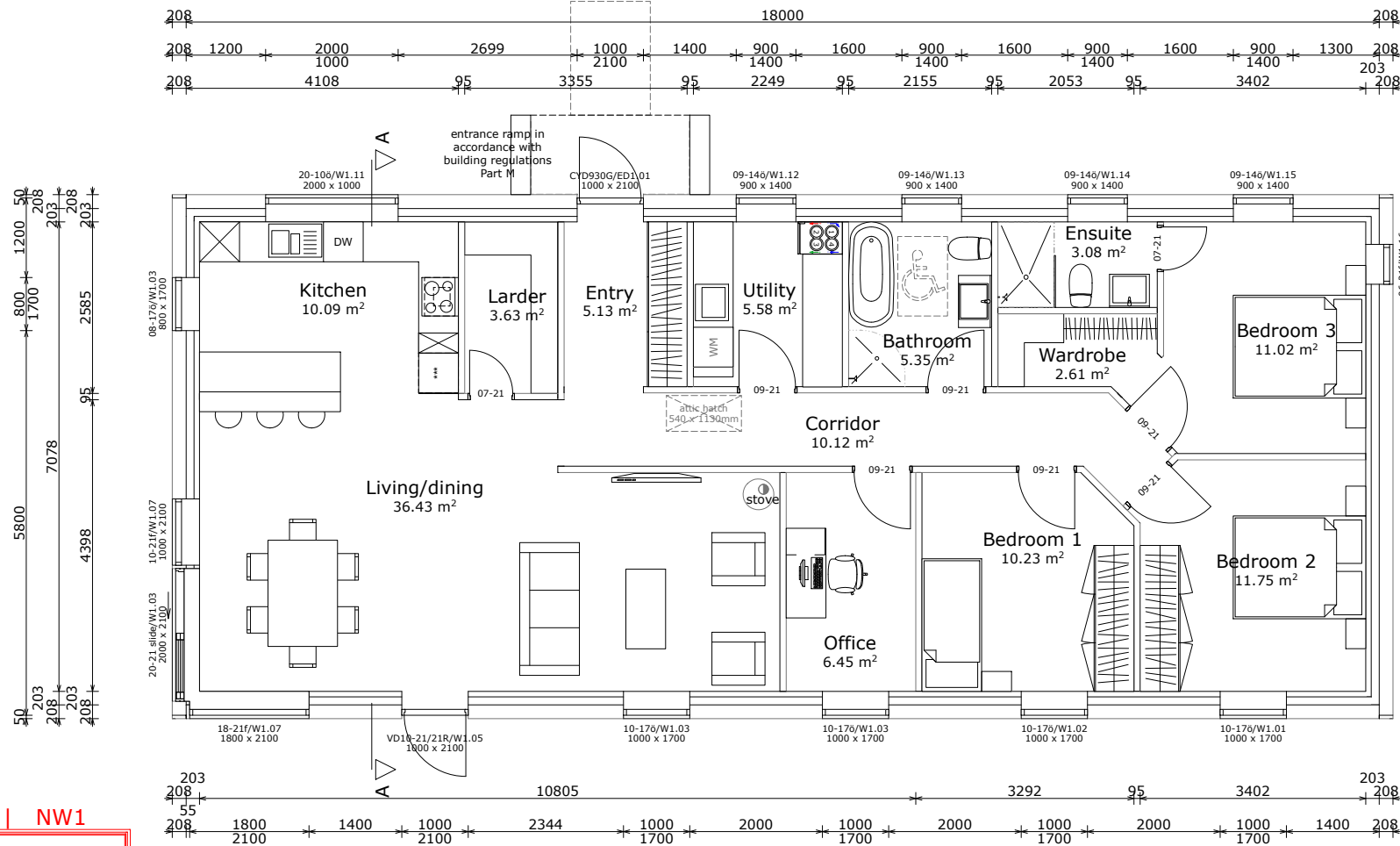
Scale: 1:50 @A4

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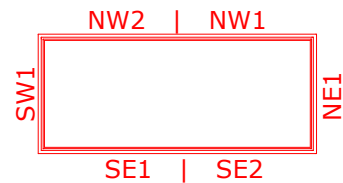
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Section A-A	17 March 2022/A



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Ground floor
126.17 m²

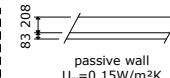
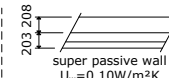


Legend:

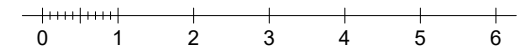
- ø - openable window
- F - fixed window
- VD - veranda door
- ED - entrance door
- FD - fire rated door
- 2air - divided into 2 wings
- R - right handed
- L - left handed

Window sizes in dm (ie 10-17 is 1000x1700mm); top of window/door height is by default 2100mm unless otherwise stated on windows/door schedule
 Note: First floor windows with a sill height of less than 800mm above FFL require safety bars up to that height
 pi=pine, wh=white, gl=glazed
 Doors & windows open outwards

External walls:
 (145mm studs/insulation with 12.5mm plasterboard Type A plus 70 or 190mm insulation)



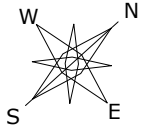
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Scale: 1:100 @A4

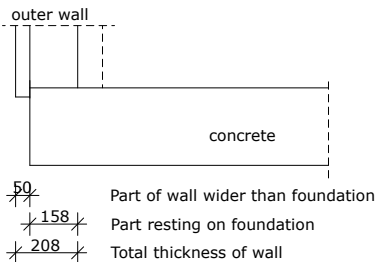
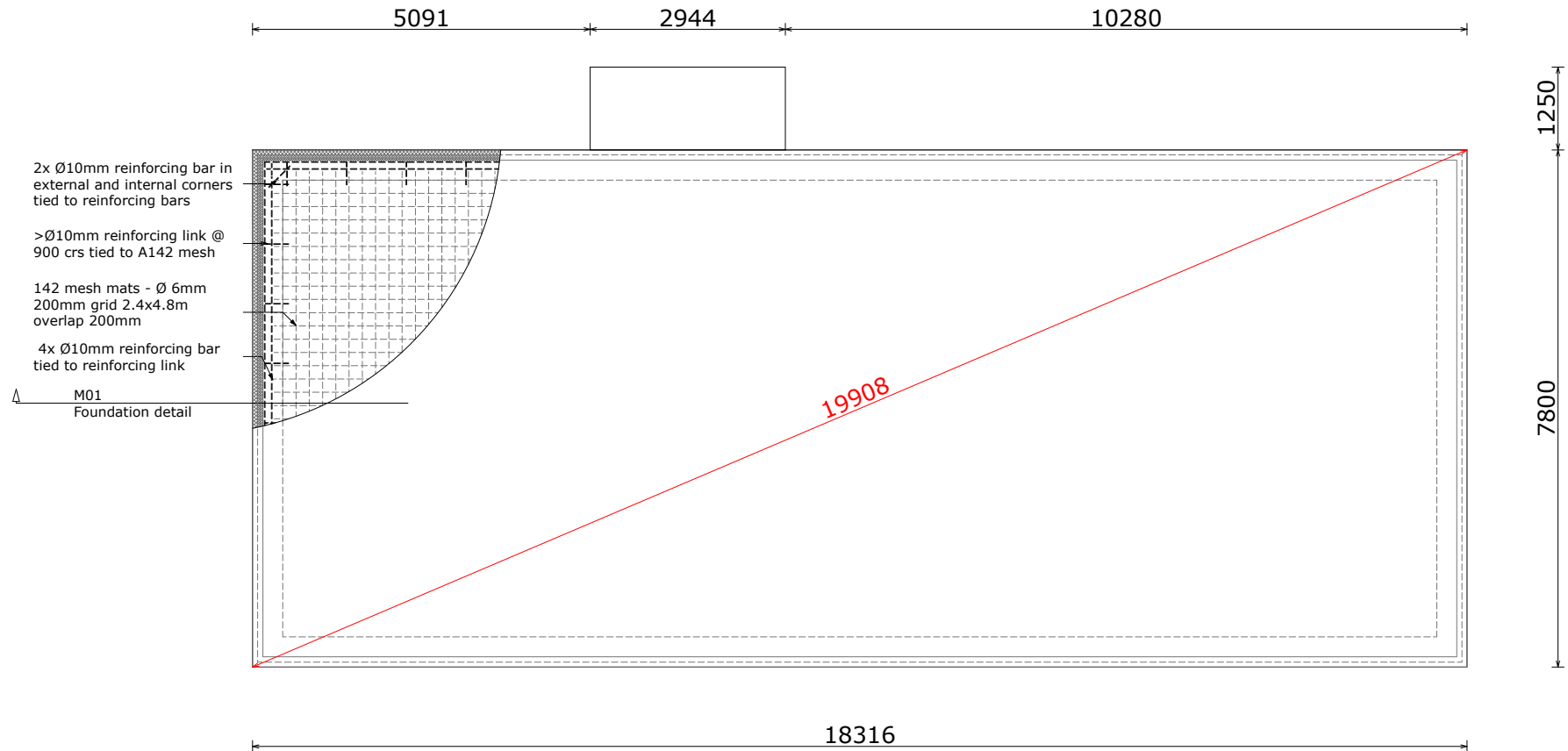
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Floor plan	17 March 2022/A



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Baltica Series



CONCRETE FOUNDATION

All measures in mm | maximum deviance: +/- 5mm
Smooth surface foundation made in one casting

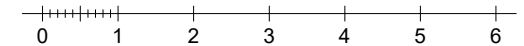
The foundation must stick up not less than 300mm from the highest point of the refilled surrounding area

All sewage plumbing cast in foundation with one central outlet

Incoming mains water pipe also cast into foundation

Electric floorheat cable or waterpipes for floorheat, see separate plan.

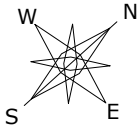
- 300mm deep pad thickening on EPS300, c/w H10 @ 200 each way (bottom) for posts
- 270mm deep pad thickening on EPS300, c/w H10 @ 200 each way (bottom)
- 175x300mm deep ringbeam on EPS300, c/w 2x H10 (top&bottom)
- 200x300mm deep internal thickening on EPS300
- 300x300mm deep internal thickening on EPS300



Scale 1:100 @A4

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Foundation plan	17 March 2022/A



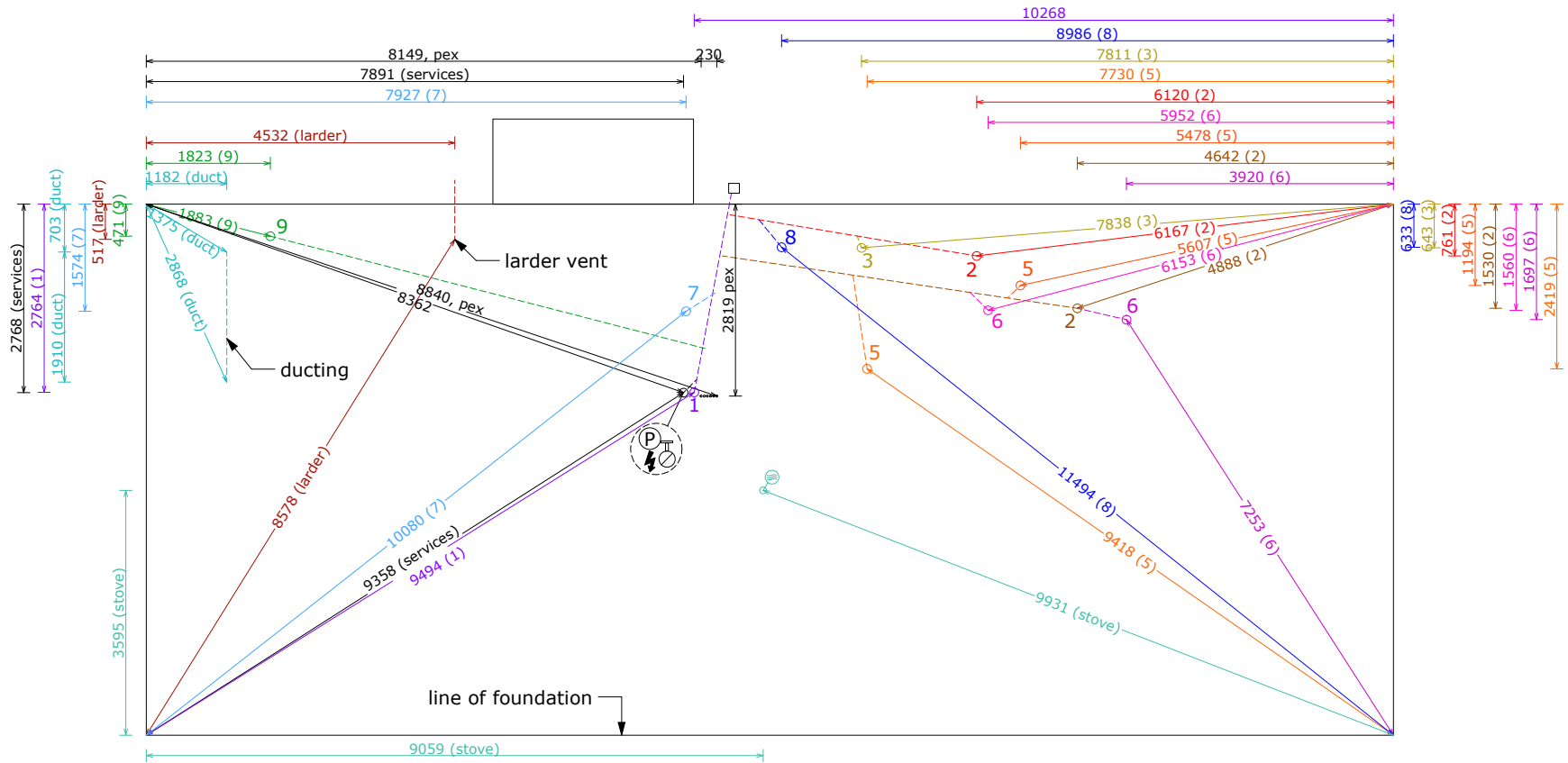
Note: - **The positions of the wastes are fixed**
 (please refer to 'Mixed Plan' to see their locations in relation to the plan)

- **Amount of floor traps: 3**

- **The layout of the pipes and trap is schematic only**
 (please communicate with the foundation crew or our office for questions)

Plus extra PEX pipes for hot water under floor heating (location and layout to Foundation Crew's drawings)
 Quantity: 3x100m

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Radon sump required: yes

Changes (after the issuing of this sheet), requested by:

Date	Name	Signature
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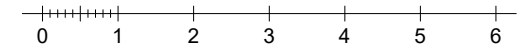
Plumbing legend:

All drains continuous fall 1:50

- 1 Ø110 vertical vent pipe
- 2 Ø110 WC
- 3 Ø55 bathtub
- 4 Ø55 bathtub (floortrap)
- 5 Ø55 shower (floortrap)
- 6 Ø55 washbasin
- 7 Ø55 laundry sink/wm
- 8 Ø55 laundry (floortrap)
- 9 Ø55 kitchen/dw

Dimensions from side of concrete foundation to centres of pipes

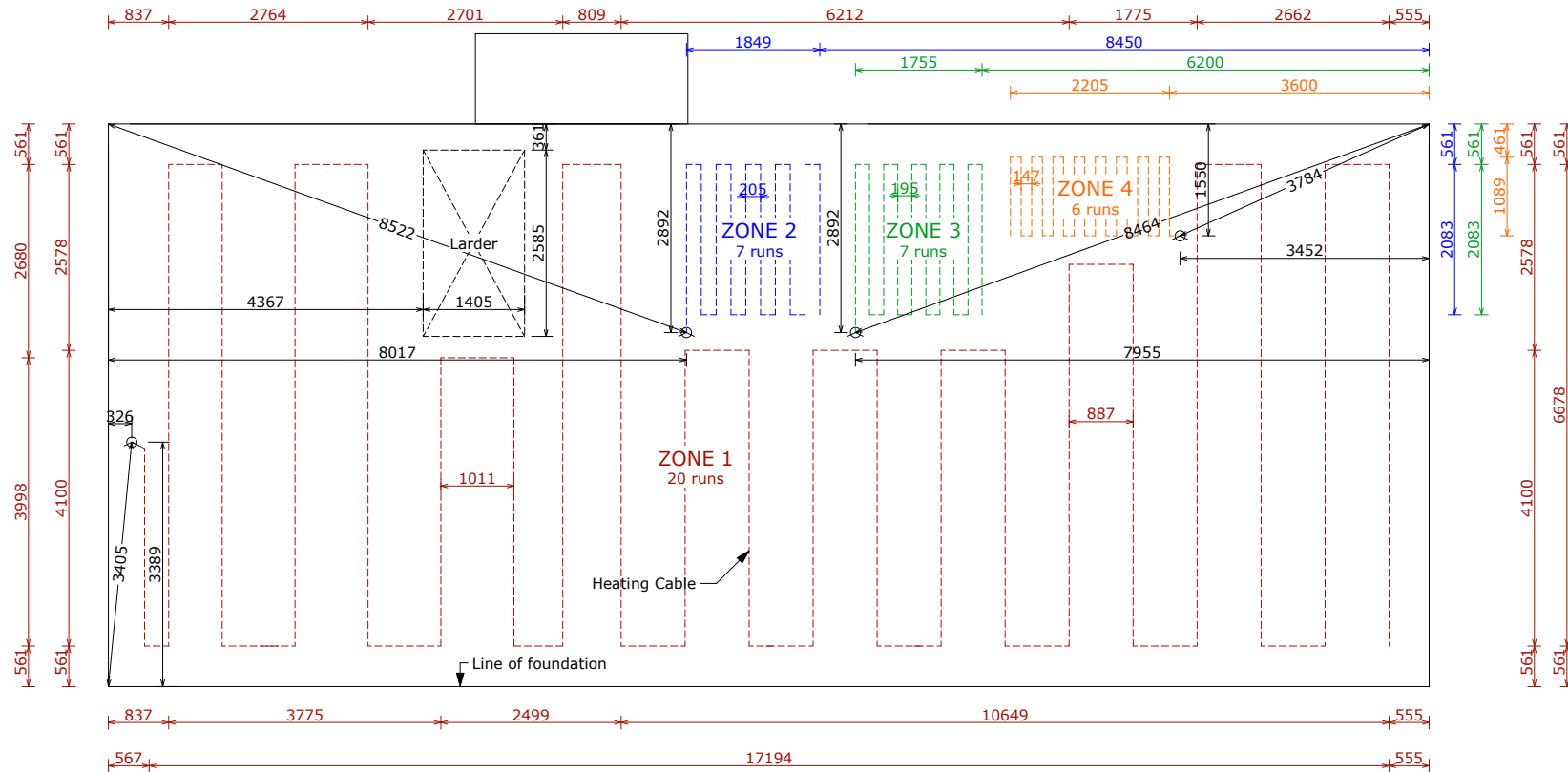
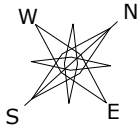
- (P) duct for phone
- ⚡ electricity cable
- ⌚ incoming service pipe and internal stopcock
- 🔥 stove air supply point



SCALE 1:100 @A4

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Plumbing plan	17 March 2022/A



Electric underfloor heating cable:

ZONE 1:

230V 2400w, 120m, 20w/m

ZONE 2:

230V 200W 20m 10w/m 265Ω
plus extra backup cable (NOT connected)

ZONE 3:

230V 200W 20m 10w/m 265Ω
plus extra backup cable (NOT connected)

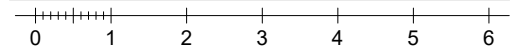
ZONE 4:

230V 200W 20m 10w/m 265Ω
plus extra backup cable (NOT connected)

- Keep cable 300mm in from foundations edge
- Keep cable away from WC
- Tie to mesh at 300mm intervals with plastic string
- The connection between red and black wire shall be under concrete
- The red wire MUST NEVER cross or touch another red wire
- The black cold tail leads shall come up through a PE pipe in a partition

⊗ Thermostat (can be mounted either side of wall)

Additional heating cable supply only: none



Scale: 1:100 @A4

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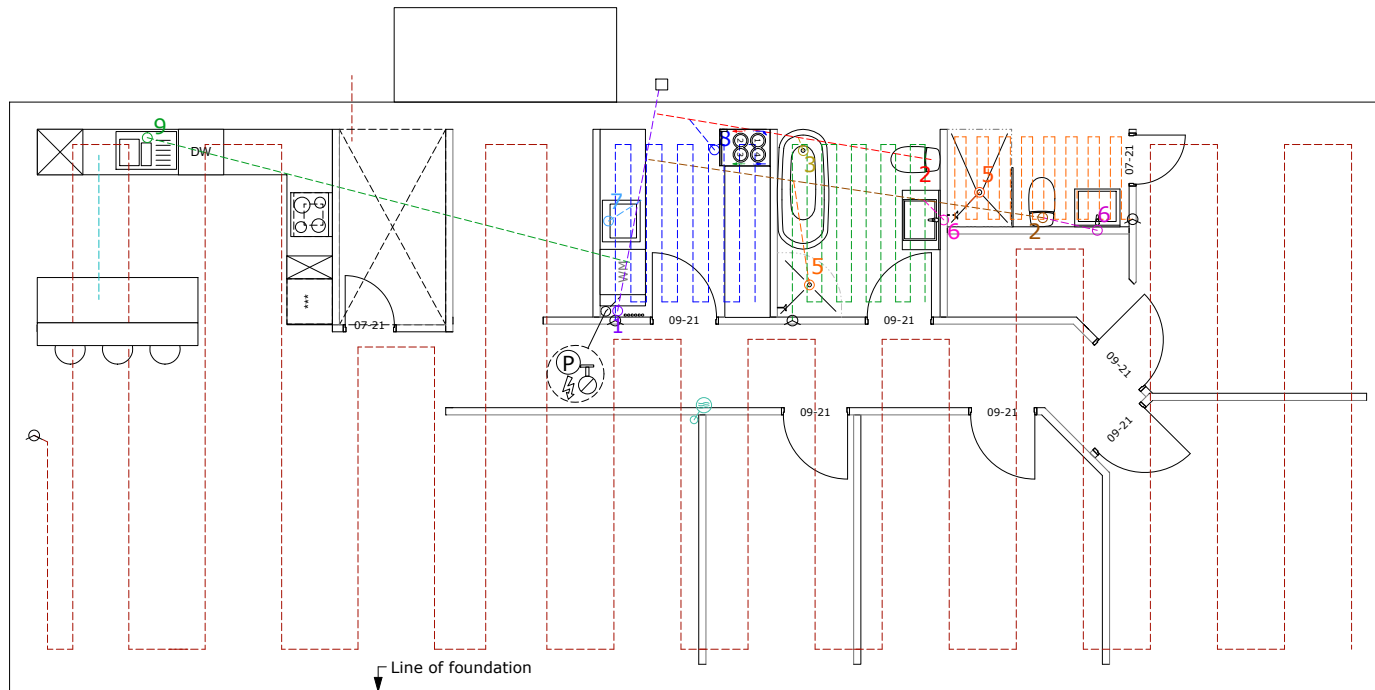
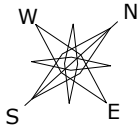
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Floor heating plan

17 March 2022/A



Electric underfloor heating cable:

ZONE 1:

230V 2400w, 120m, 20w/m

ZONE 2:

230V 200W 20m 10w/m 265Ω
plus extra backup cable (NOT connected)

ZONE 3:

230V 200W 20m 10w/m 265Ω
plus extra backup cable (NOT connected)

ZONE 4:

230V 200W 20m 10w/m 265Ω
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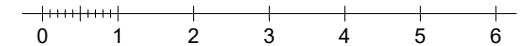
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- 7 Ø55 laundry sink/wm
- 8 Ø55 laundry (floortrap)
- 9 Ø55 kitchen/dw

Dimensions from side of concrete foundation to centres of pipes

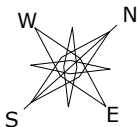
- duct for phone
- electricity cable
- incoming service pipe and internal stopcock
- stove air supply point



Scale 1:100 @A4

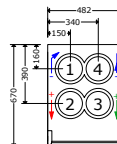
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Mixed plan	17 March 2022/A



Hoseclip (Slangklämma):
 Ø200 8pc
 Flexible duct (KF-slang):
 Ø160 3m
 Ø125 0m
 Ø100 6m

Muffler (Ljuddämp):
 2 x 160Ø (steel)
 1 x 160Ø (soft)
 External grille: none
 Combibox: 160Ø



REC Temovex Blue 4
 left-hand model



- 1 Exhaust air leaving
- 2 Supply air to rooms
- 3 Outside air
- 4 Extract air from rooms

Maintenance:
 Check and clean insect mesh
 in air intake grille min.
 1/year - Clean or replace
 two filters in ventilation-
 machine 2-4/year

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Duct (Kanal)	
Ø100 (3m)	12m= 4pc
Ø125 (3m)	3m= 1pc
Ø160 (3m)	24m= 8pc

Joiner (Nippel)	
Ø100	0 pc
Ø125	0 pc
Ø160	3 pc

Bend 90° (Böj)	
100-90	5
125-90	2
160-90	8

Bends 45 (Böj)	
100-45	4
125-45	1
160-45	4

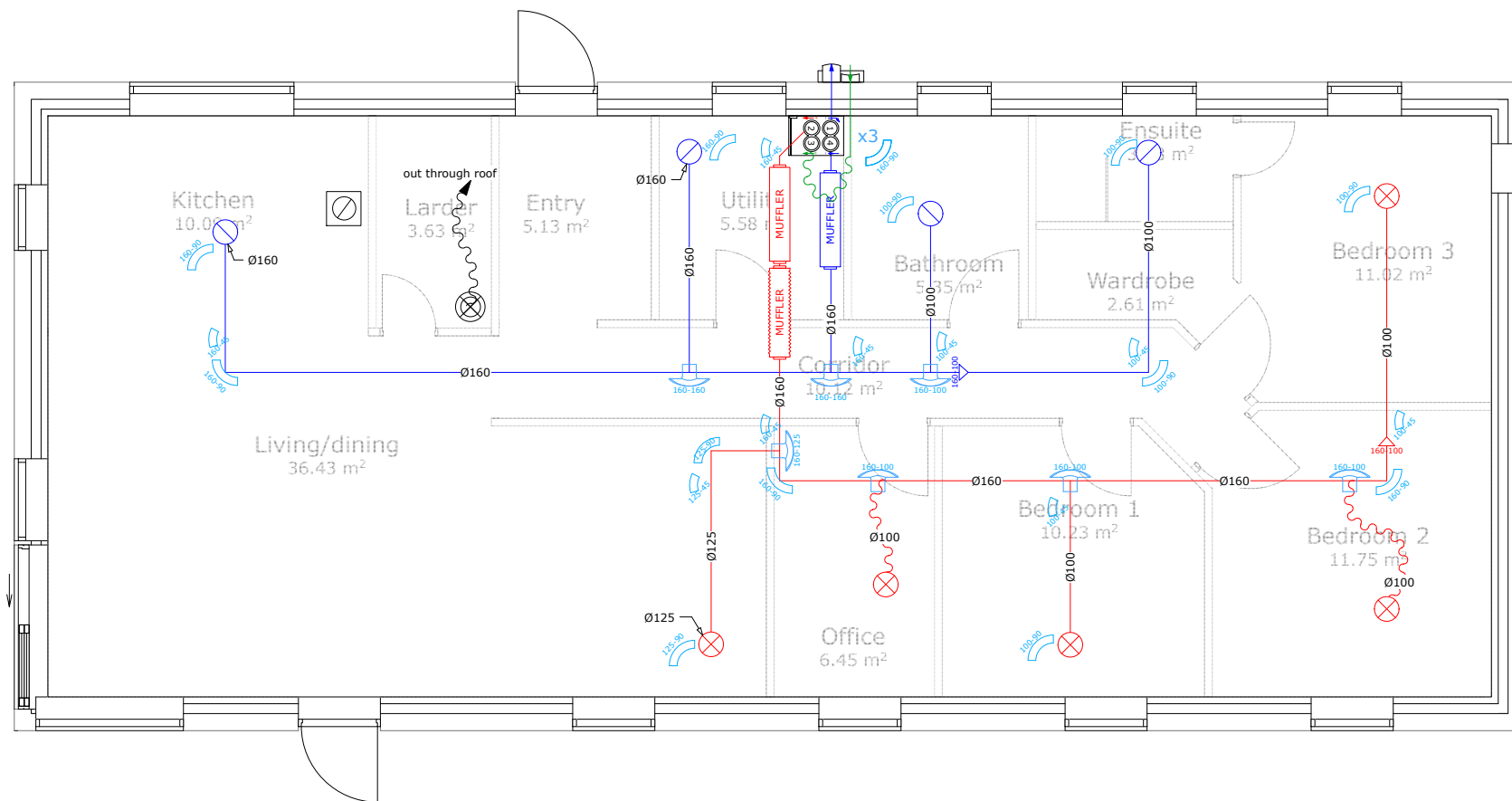
Reducers (Reduction)	
160-100	2

Saddles (Sadel)	
160-100	4
160-125	1
160-160	2

Valve extract (Från...)	
Ø100	2
Ø160	2

Valve Larder (Från...)	
Ø100	1

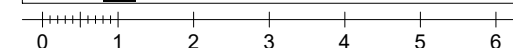
Valve supply (Tilluft)	
Ø100	4
Ø125	1



Ventilation system with 'Heat recovery' and electric heat

- ⊗ supply air point
- ⊙ extract air point
- All valves Ø100 if not stated otherwise
- ↔ duct dimension change
- ⊕ grill
- ⊞ combibox in/out
- ~~~~~ flexible ducting
- ⊞ saddle
- ↙ 45° bend
- ↻ 90° bend
- Mufflers: MUFFLER steel-solid
- MUFFLER soft-flexible
- ⊞ separate kitchen extraction
- ⊞ vent for larder connect to outside

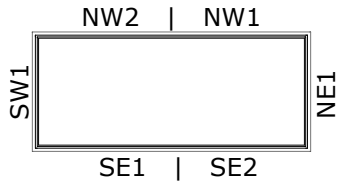
Note: All air ducts must be insulated



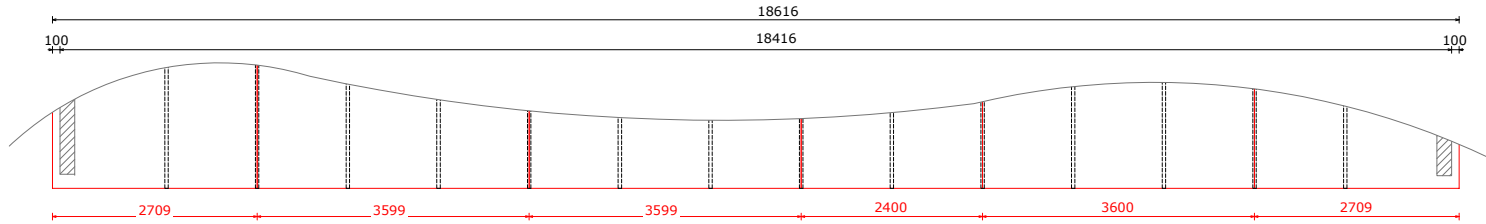
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Ventilation plan	17 March 2022/A

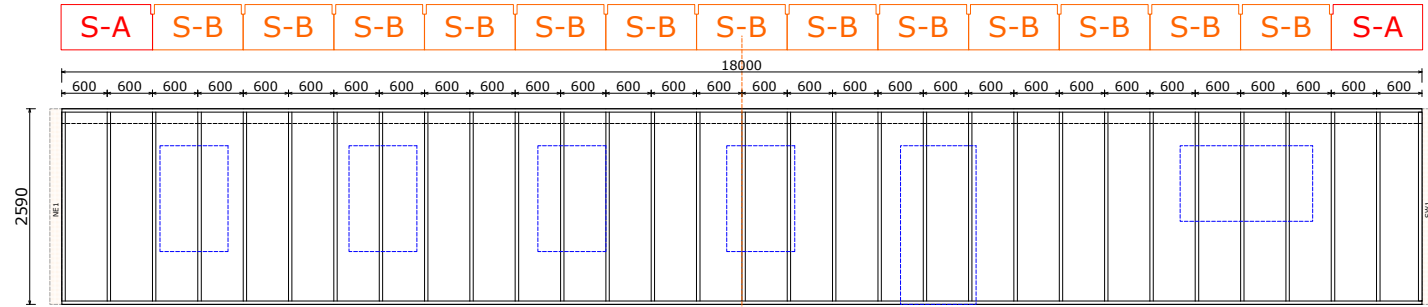
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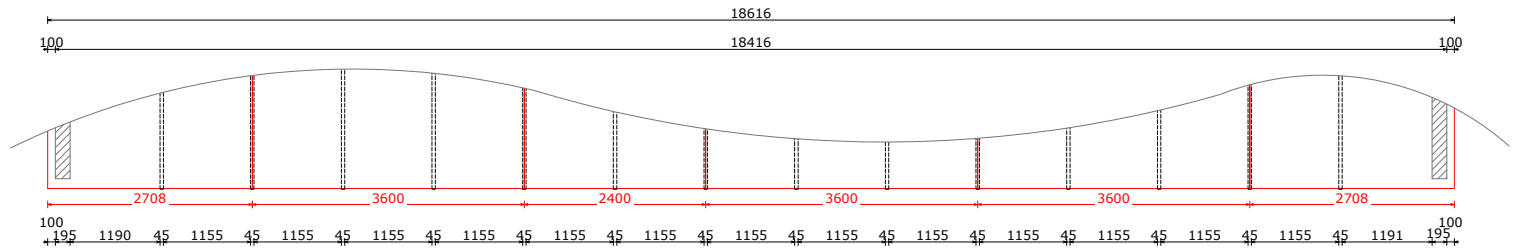
Sarking layout (plan view)



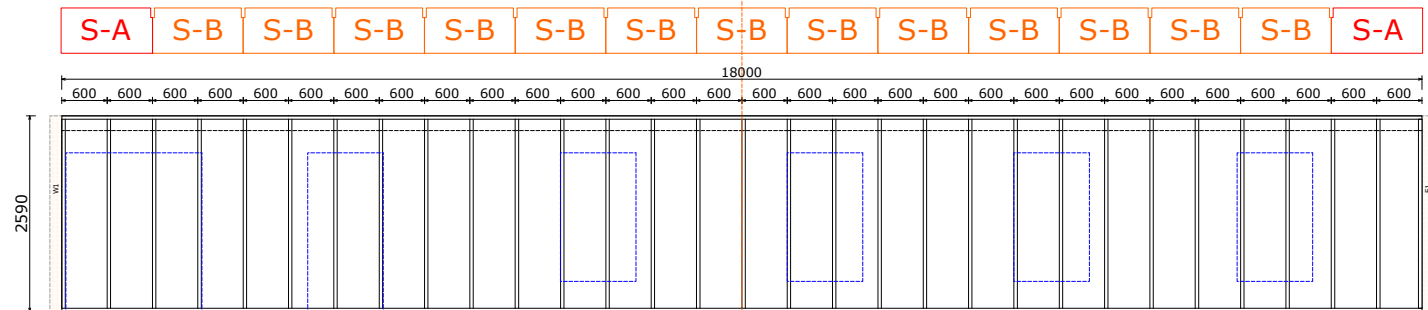
NW2 & NW1



Sarking layout (plan view)



SE1 & SE2



- legend:
- Ferrocement to back of barge (for barged gables)
 - wall division (indicative only - factory decides about definite position)
 - sarking sheet
 - external wall
 - e = -0.1 truss

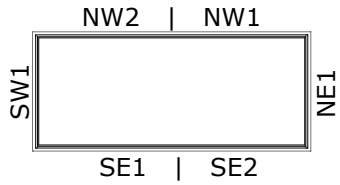
Framing plan NW & SE
17 March 2022/A Not to scale

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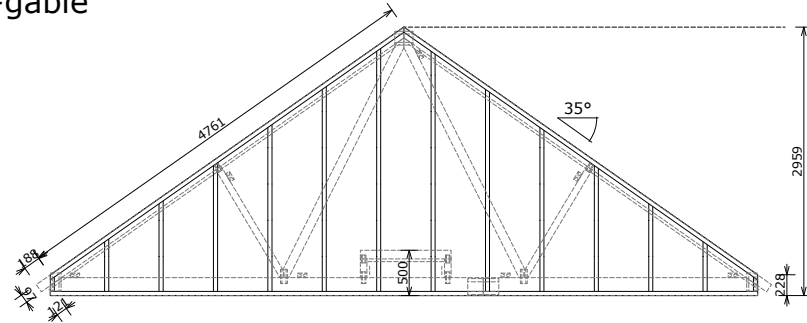
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Mogkullen, C/o Gällens 191 Yx61, 1453 33 Järna, Sweden
Tel: 091-555 808 / 087-2414808

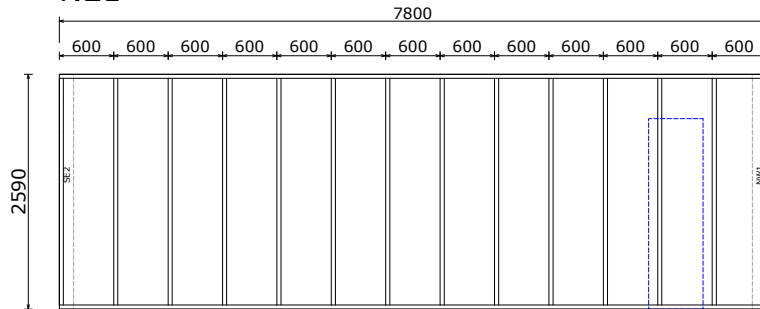
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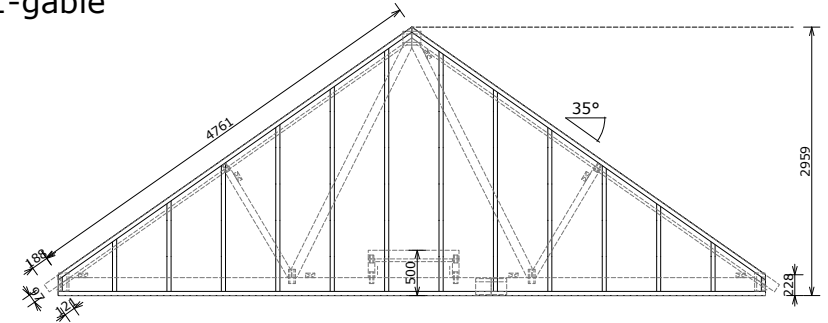
NE1-gable



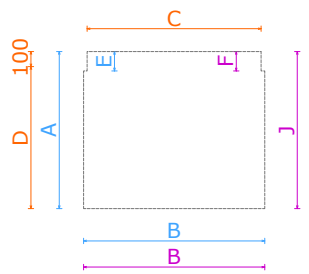
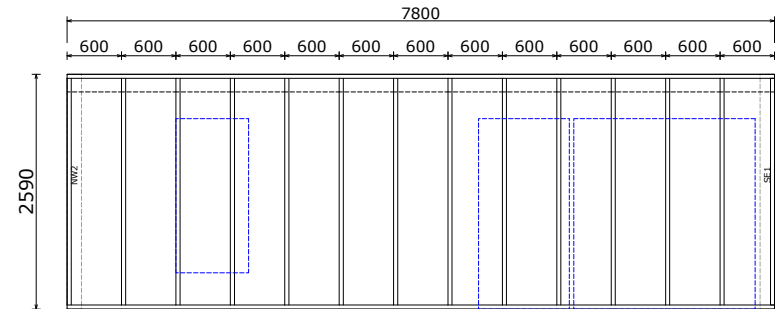
NE1



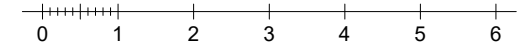
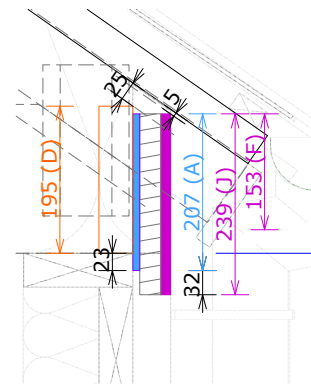
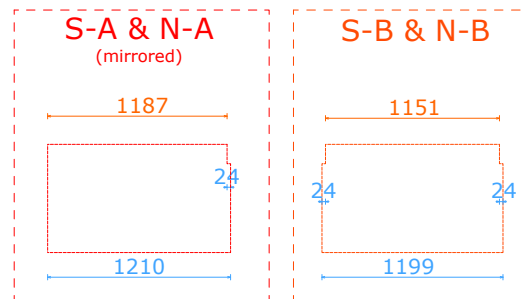
SW1-gable



SW1



C, D - Framing
A, B - OSB board
J, B - Blueclad

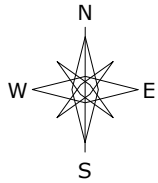


Scale: 1:100 @A4

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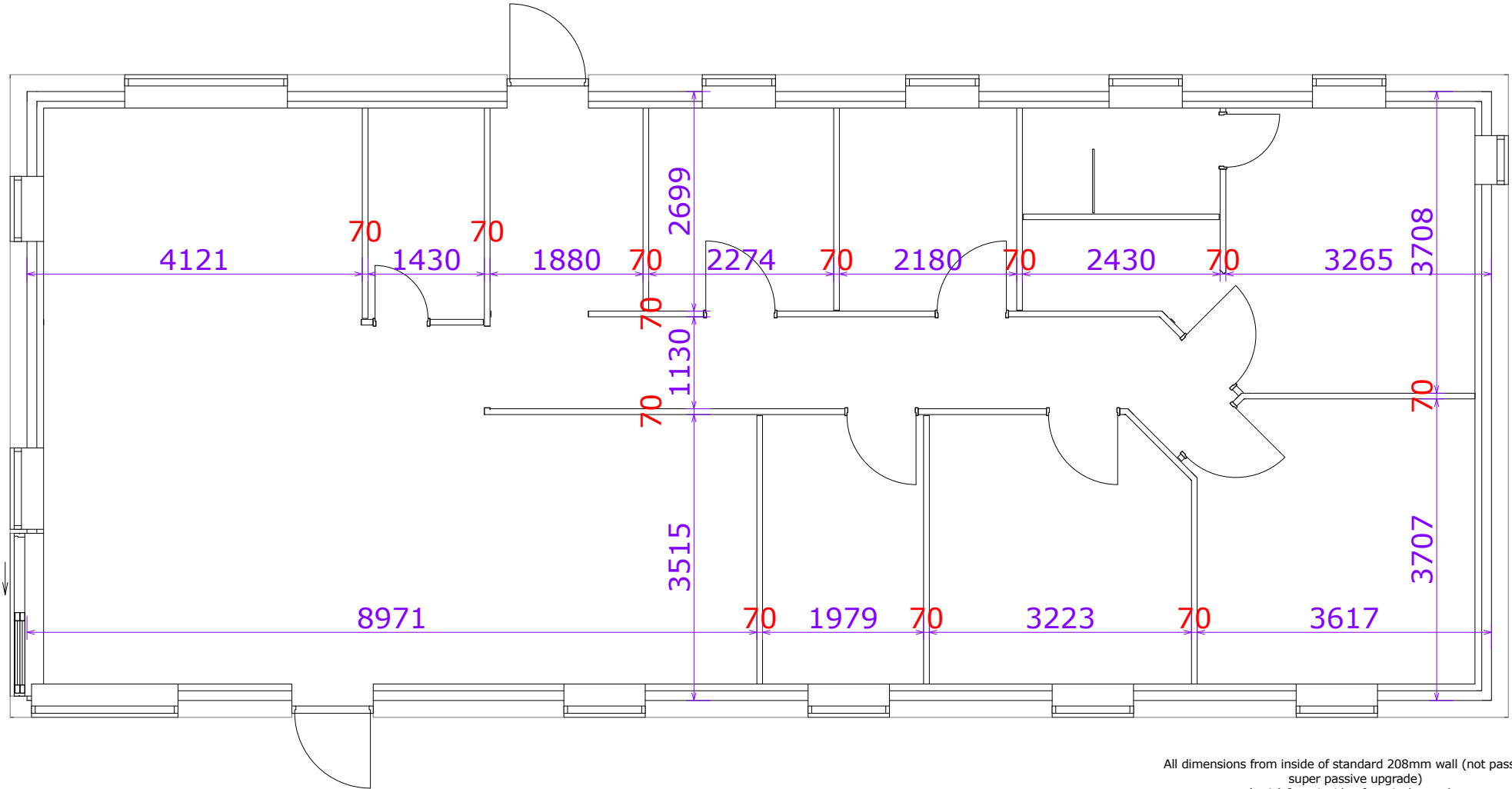
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Elaine Gleeson Lowerton More, Blueball, Tullamore, Co. Offaly	Peter H. Lohr/ Lars Pettersson
Framing plan NE & SW	17 March 2022/A

Note: Construction as per detail D16



B135-35-EGL

Baltica Series



All dimensions from inside of standard 208mm wall (not passive or super passive upgrade) or (attic) from inside of vertical truss brace
 In the attic for dimensions from gable wall, 13mm are already added to the dimension (for missing plasterboard on gable walls)

Not to scale!

www.scanhome.ie

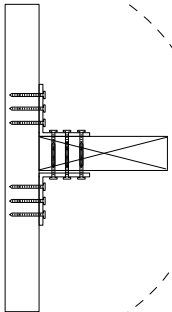
Internal walls: (70mm or 95mm studs with 12.5mm plasterboard Type A)		
standard 12.5 70 12.5	soundproof 2x12.5 70 2x12.5	load-bearing 12.5 95 12.5

1162 partition dimensions from inside of external walls
564 Door/opening position dimensions
95 core wall thickness dimensions

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Elaine Gleeson Lowerton More, Blueball, Tullamore, Co. Offaly	Peter H. Lohr/ Lars Pettersson
Partition plan	17 March 2022/A

B135-35-EGL
Baltica Series

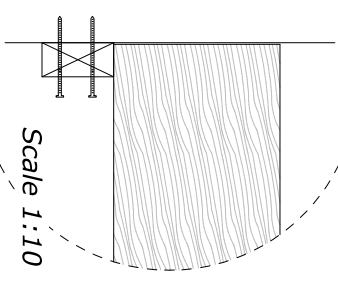
See separate rooftruss drawing specific for each individual house. (Mitec Ind. or other)



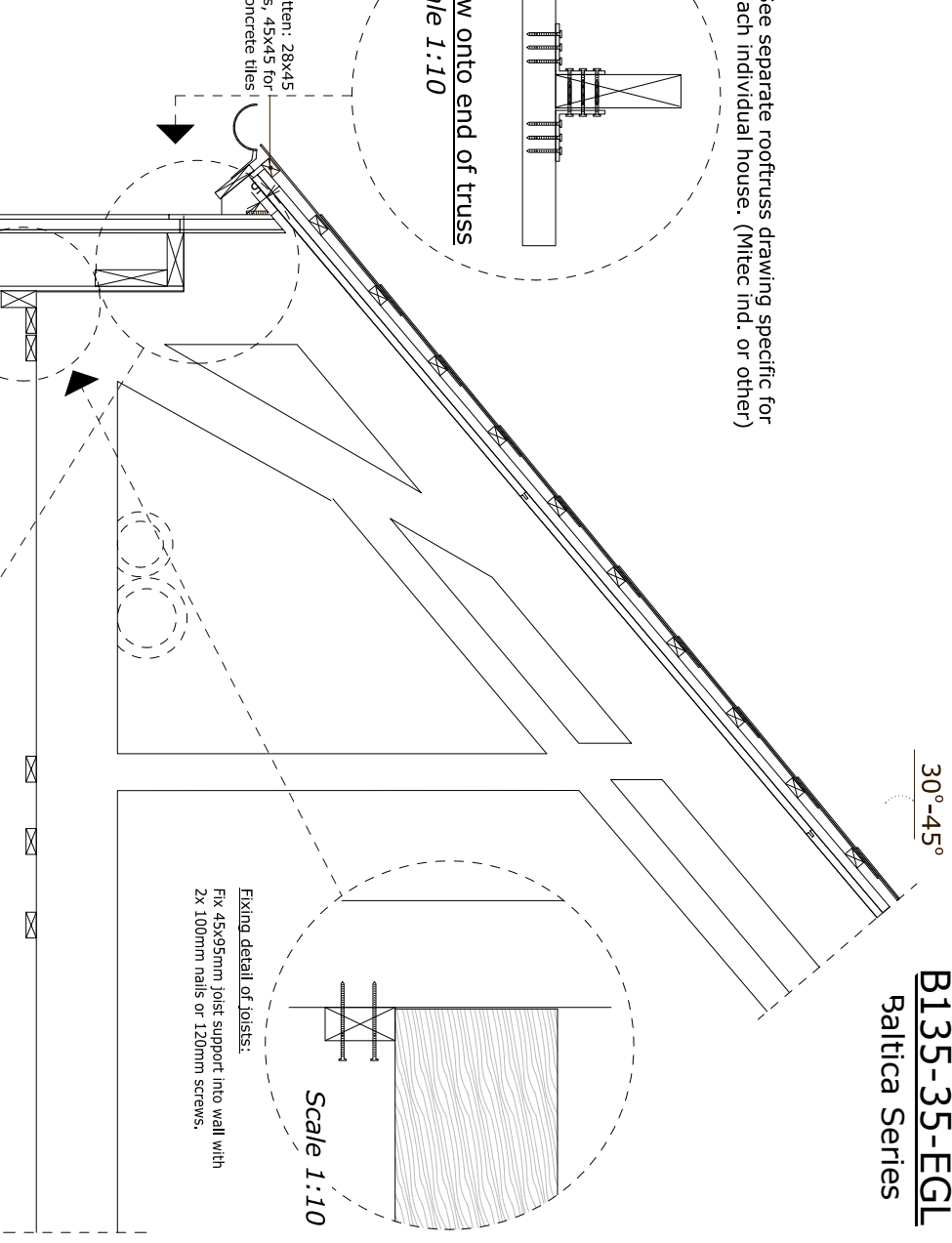
View onto end of truss
Scale 1:10

Eaves batten: 28x45 for slates, 45x45 for concrete tiles

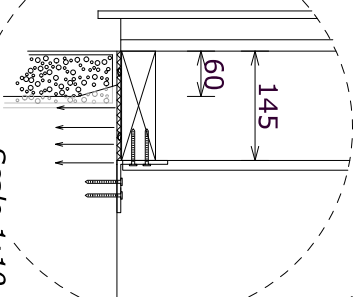
Fixing detail of joists:
Fix 45x95mm joist support into wall with 2x 100mm nails or 120mm screws.



Scale 1:10



Rooftruss attachment to wall:
Hilti angle bracket VB4DX attached on both sides of rooftruss. 4 brackets per truss.
10 FZB Anchnornail 4,0-40mm per bracket.



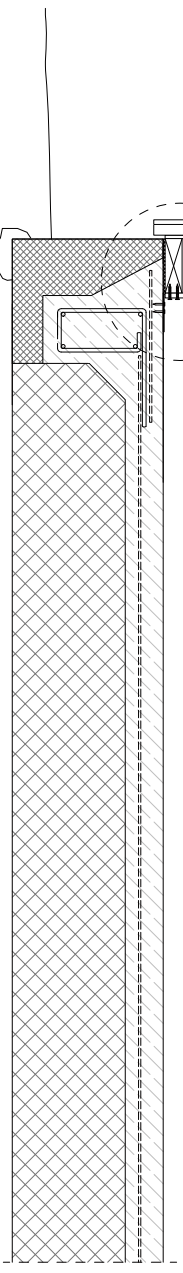
Scale 1:10

Scale 1:10

Wallsection attachment to foundation:
Hilti steel angle bracket VB4DX attached @ 1200mm c/s to sillplate 4 FZB Anchnornail 4,0-40mm

Sillplate rests on:
Makati mineral felt + S-seal

Observe that 15mm sheet is located outside of concrete base-unit so that eventual water running down the inside of the cladding will drop to the ground



Scale 1:20

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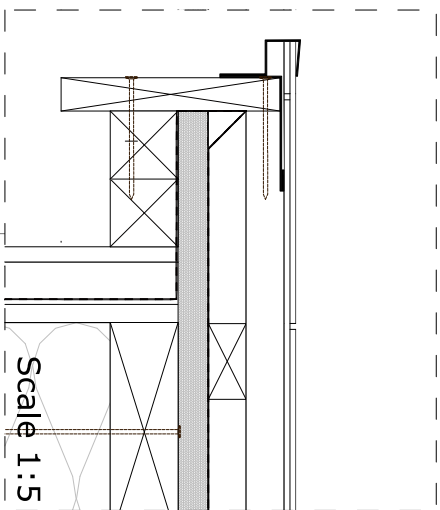
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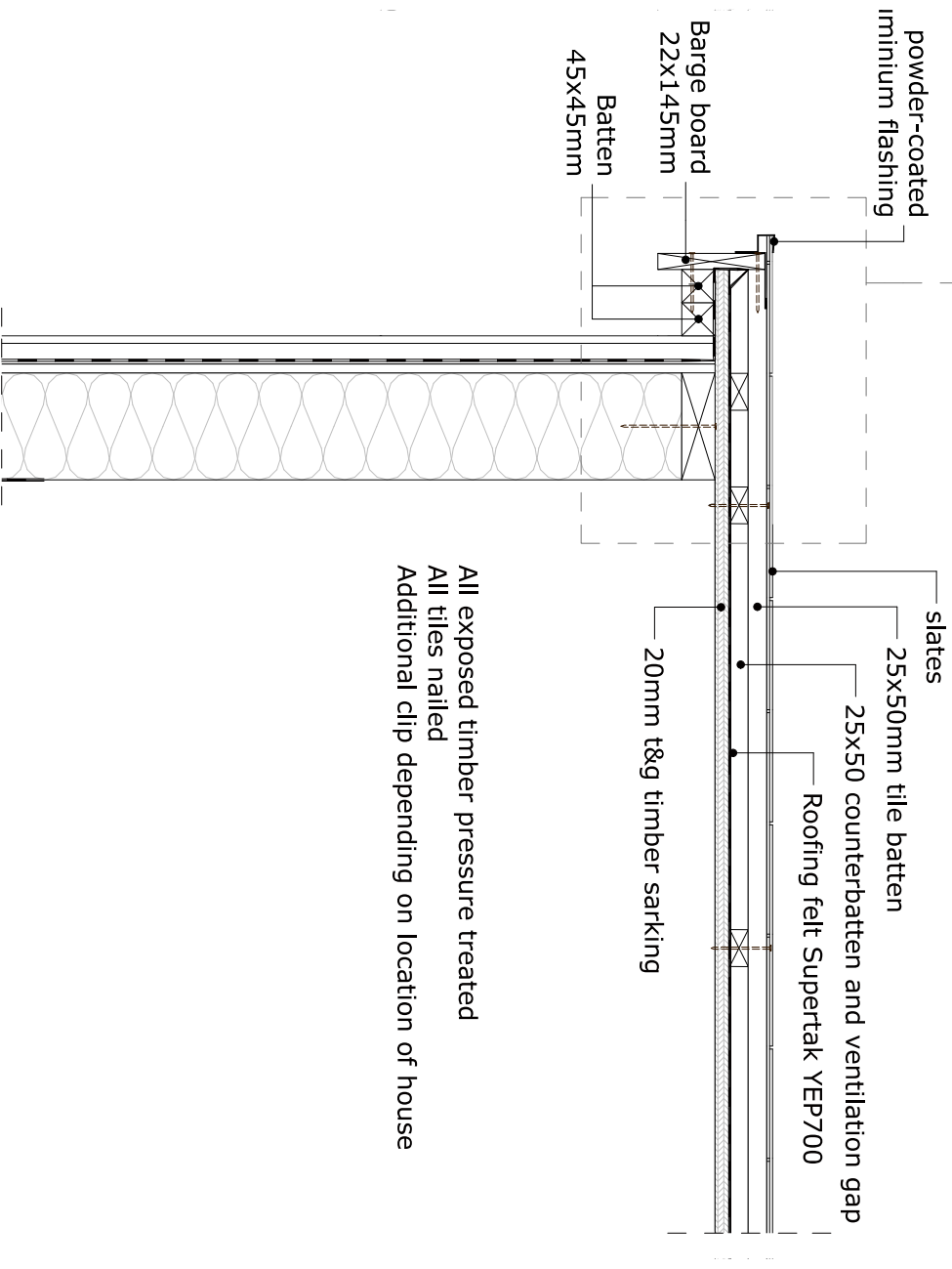
Standard Section - S20.01 Peter H. Lohr / 15
Lars Pettersson

Truss/sill plate, conv., attic 17 March 2022/A

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Scale 1:5



All exposed timber pressure treated
All tiles nailed
Additional clip depending on location of house

Scale 1:10, 1:5

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Barge detail - B07

Peter H. Lohr /
Lars Pettersson | **16**

Open soffit - short overhang, Detail 17 March 2022/A

#fp/22.706c-B135-35-EGL

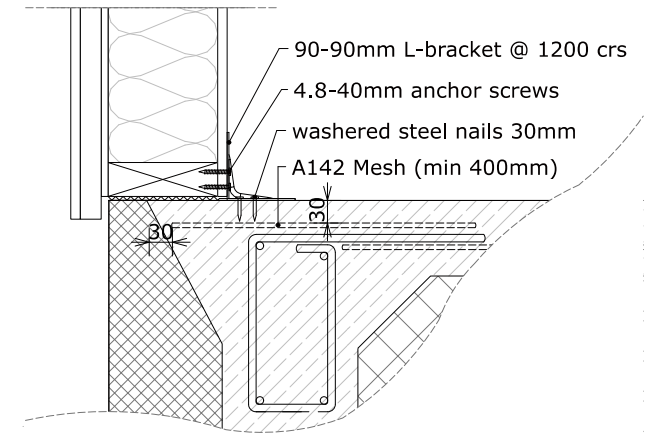
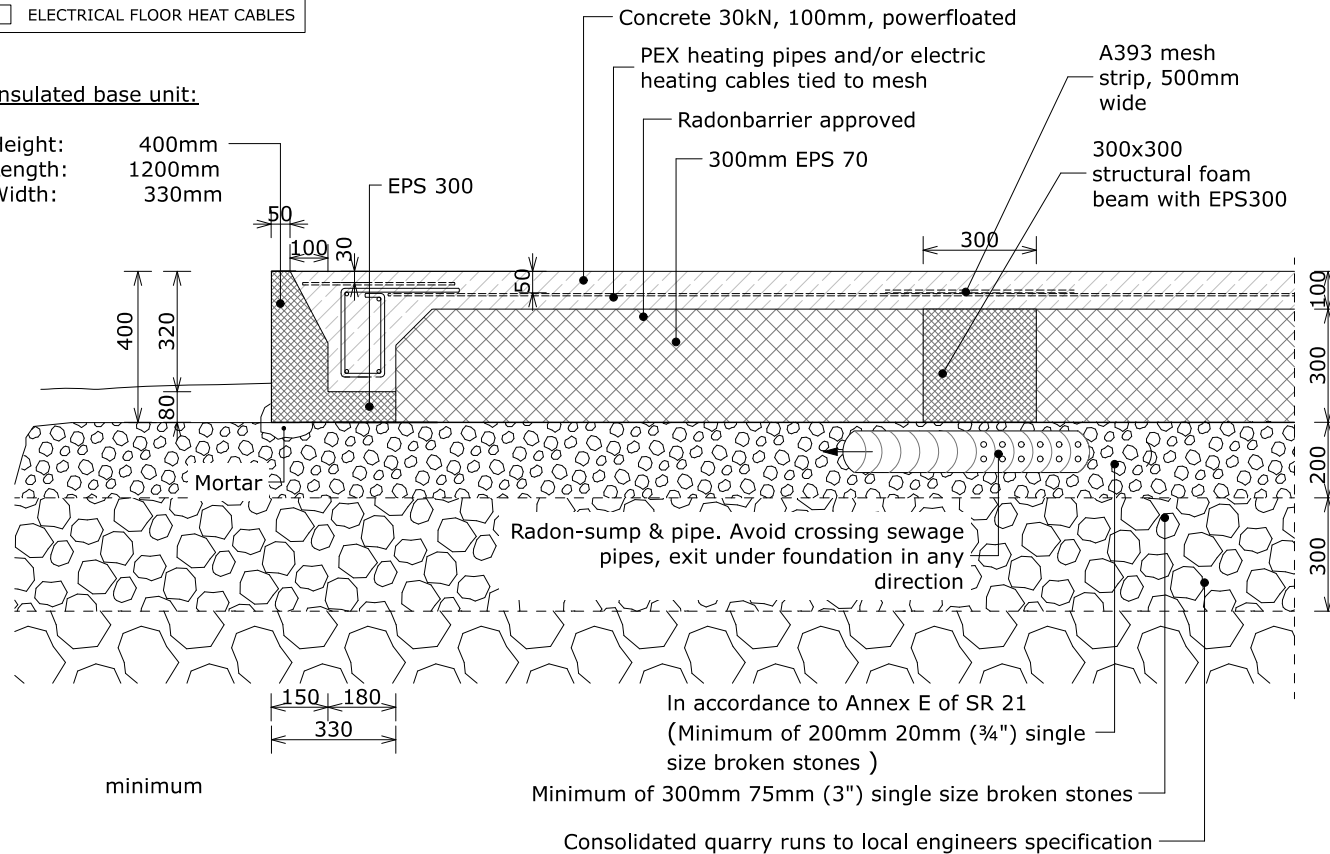
TABLE OF STONE MUST BE LEVEL (+/-5mm)

Note: Use only clean broken stones

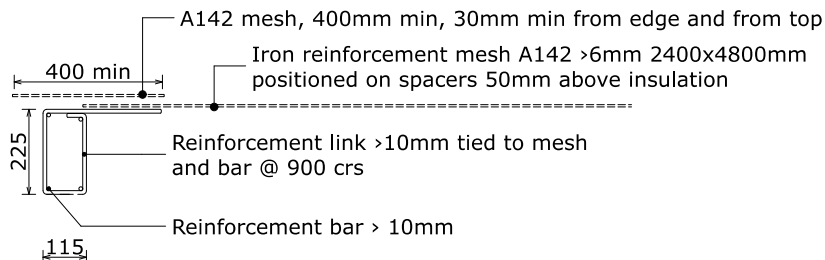
- TICK OPTIONS BELOW:
- RADON SUMP & PIPE
 - WATER PIPES
 - ELECTRICAL FLOOR HEAT CABLES

Insulated base unit:

Height: 400mm
Length: 1200mm
Width: 330mm



M04.1 Foundation-wall connection 1:10



M01.1

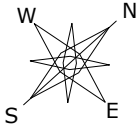
Standard foundation detail

1:20

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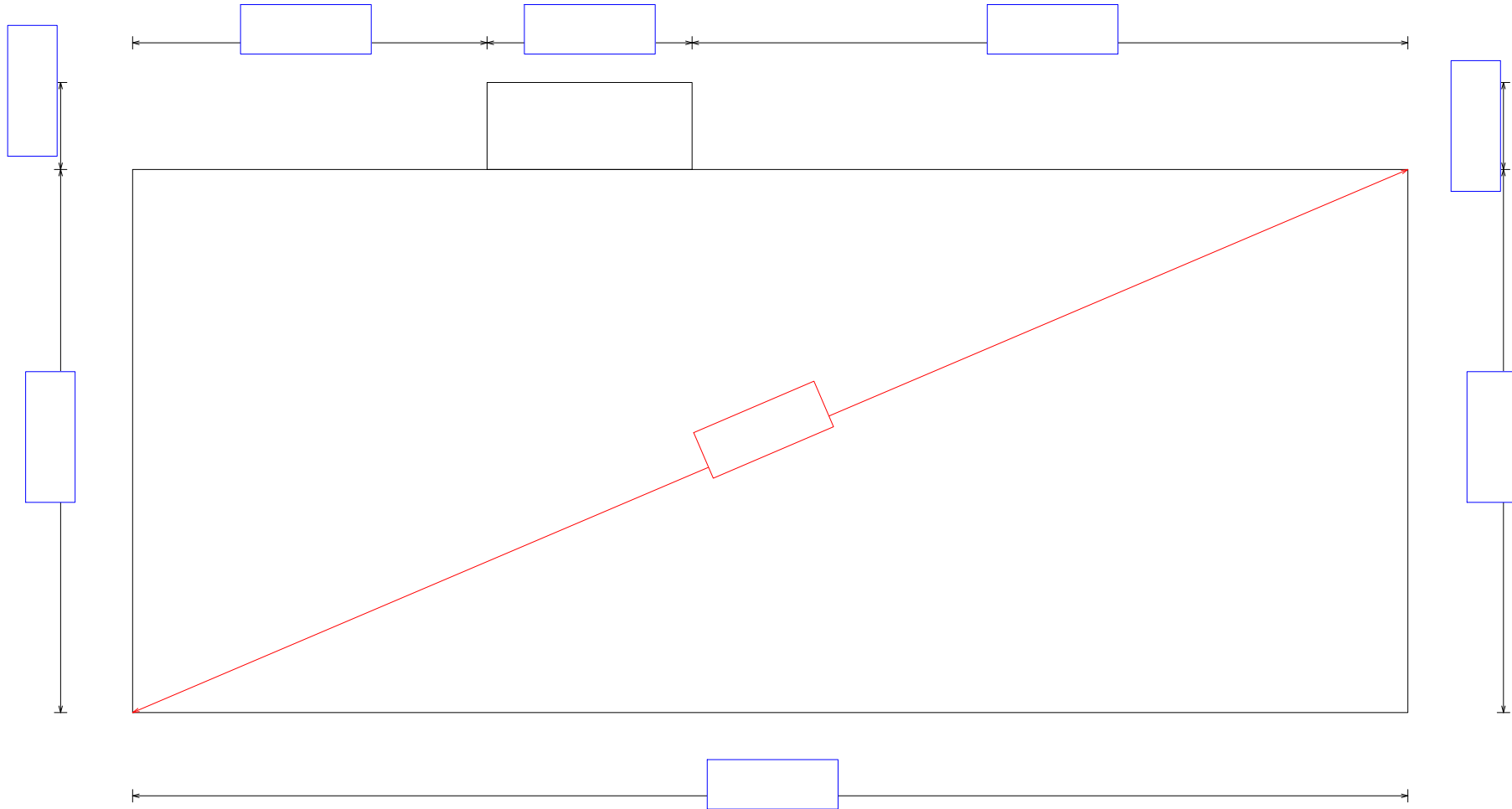
M01.1, M04.1
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Standard Detail - M01.1, M04.1	Peter H. Lohr/ Lars Petterson 17
Standard foundation section	17 March 2022/A



Please fill in actual dimensions on site as built:
Foundation Crew **after** completion of foundations
Erection Crew **before** erection of house

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Baltica Series




Please tick:

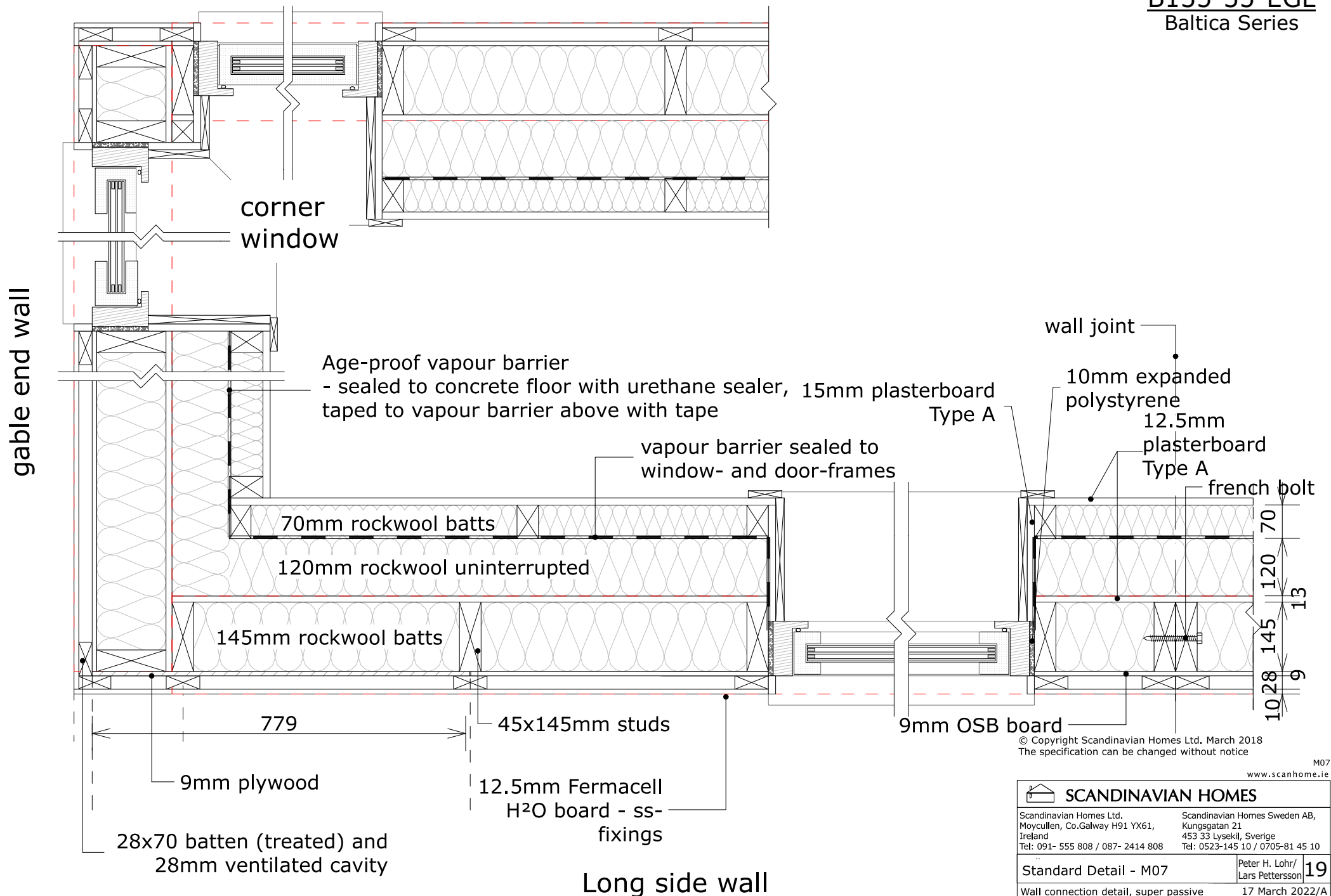
Foundation Crew

Erection Crew

Not to scale www.scanhome.ie

 **SCANDINAVIAN HOMES**

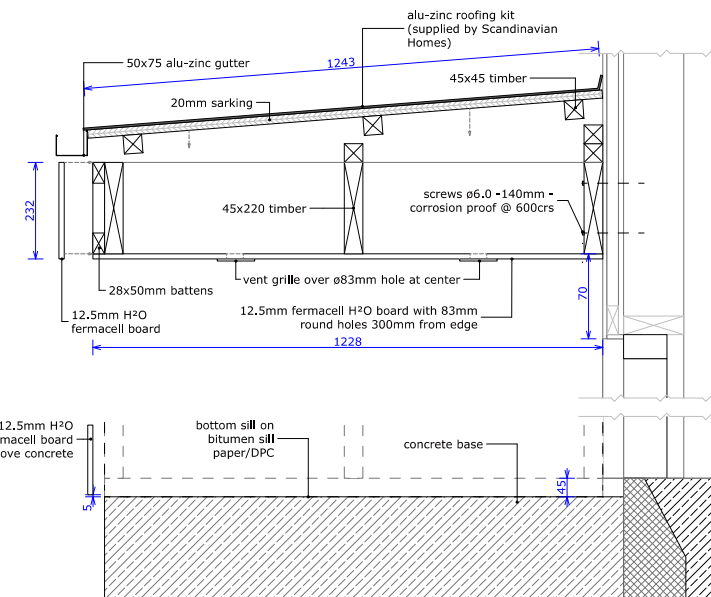
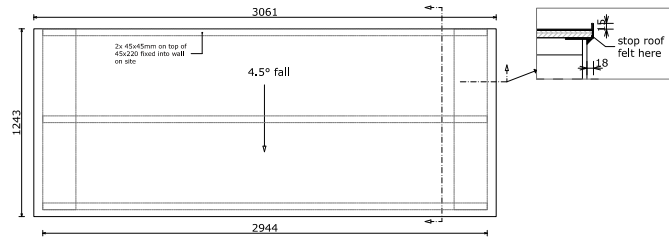
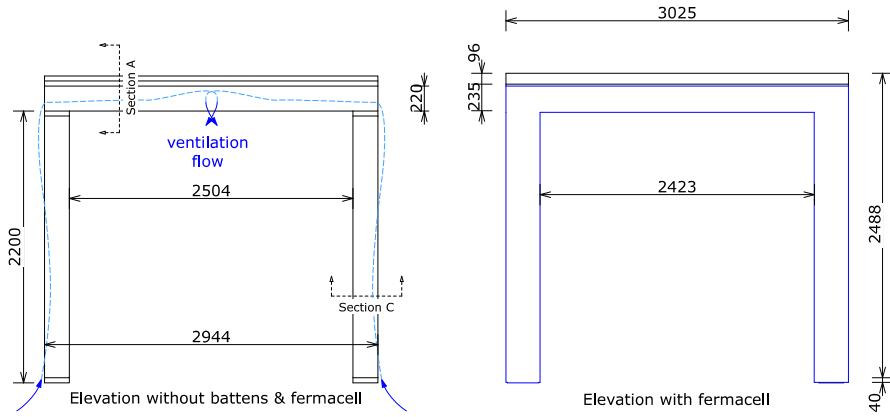
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Elaine Gleeson Lowerton More, Blueball, Tullamore, Co. Offaly	Peter H. Lohr/ Lars Pettersson 18
Foundation test sheet	17 March 2022/A



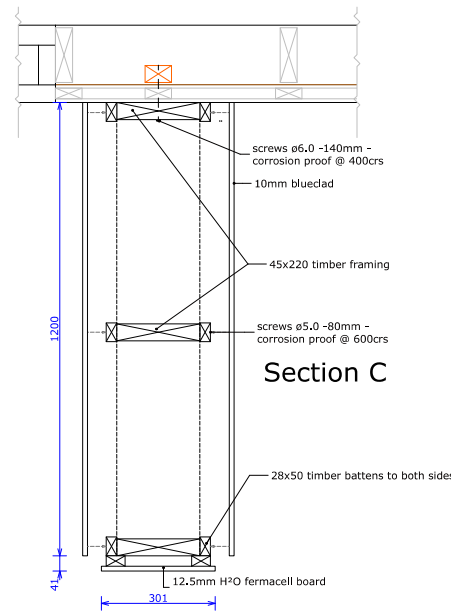
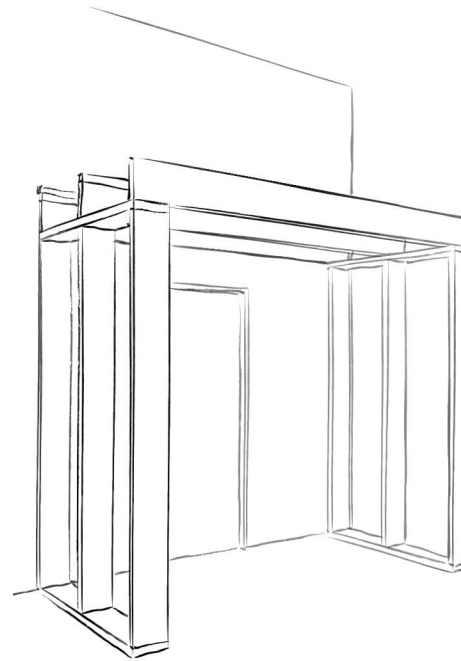
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Standard Detail - M07	Peter H. Lohr/ Lars Petterson 19
Wall connection detail, super passive	17 March 2022/A

Entrance porch (single storey buildings)

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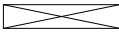
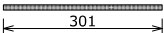
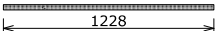




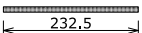
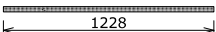
Section A



Section C

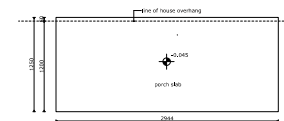
Quantities required for this project:

Side walls:		quantity/length
	45x220 timber studs	6x 2200mm
	301mm wide (for front) 12,5mm fermacell H ² O sheet	2x 2198mm
	1228mm wide (for sides) 12,5mm fermacell H ² O sheet	2x 2545mm 2x 2198mm


Roof:		quantity/length
	45x220 timber joists	3x 2944mm
	45x45mm timber to create fall of roof	3x 2944mm
	232,5mm wide (for front) 12,5mm fermacell H ² O sheet	1x 3025mm
	1228mm wide (for ceiling) 12,5mm fermacell H ² O sheet Note: vent holes needed as detailed	1x 2479mm

screw stainless A2 (blueclad)
screw external corrosion proof (general usage)

ø3.9 - 35mm ~ 150pc
ø4.5 - 50mm ~ 0pc
ø5.0 - 80mm ~ 120pc
ø6.0 - 100mm ~ 0pc
ø6.0 - 140mm ~ 25pc



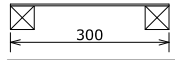
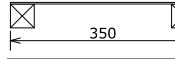
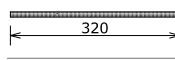
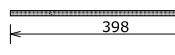
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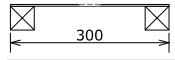
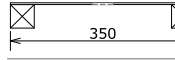
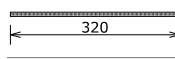
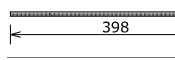

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Elaine Gleeson Lowerton More, Blueball, Tullamore, Co. Offaly	Peter H. Lohr/ Lars Pettersson
Porch details	17 March 2022/A

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#CO

Quantities required for this project:

Columns (C)	quantity/length
 300mm wide (for front) made up of 2x 45x45mm with 3mm oilhard board, screwed @ 200crs	2x C
 350mm wide (for sides) made up of 2 x 45x45mm with 3mm oilhard board, screwed @ 200crs	4x C
 320mm wide (for front) 10mm blueclad sheet	2x C
 398mm wide (for sides) 10mm blueclad sheet	2x C + 348mm 2x C - 10mm

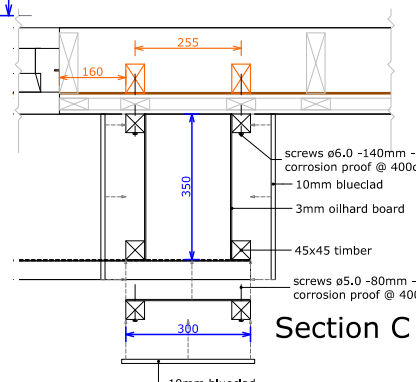
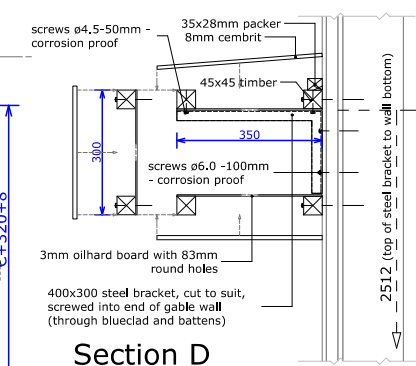
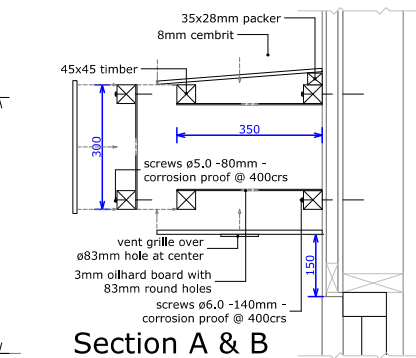
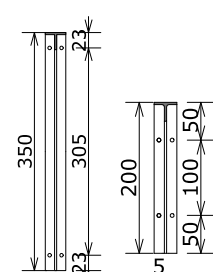
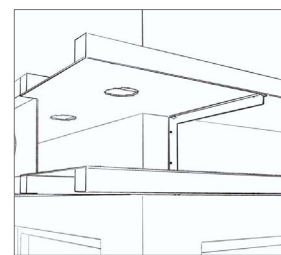
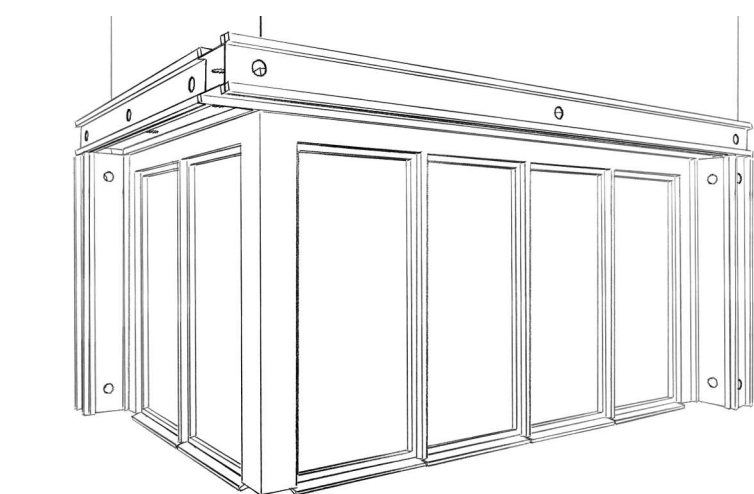
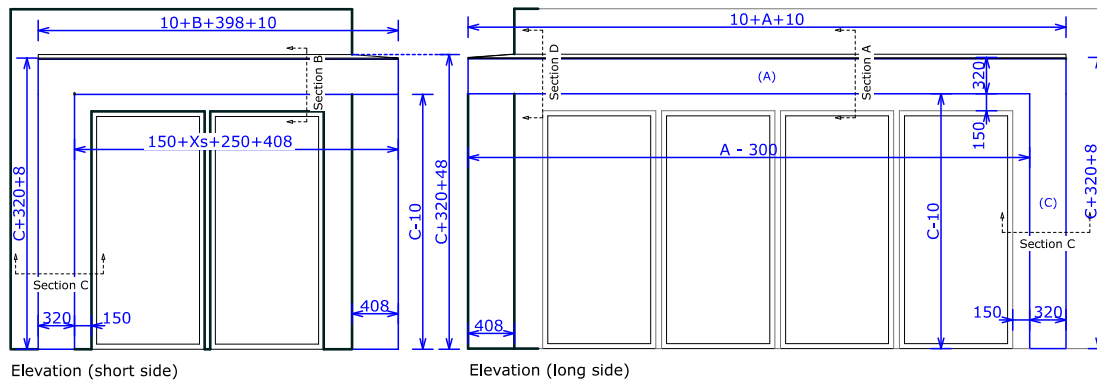
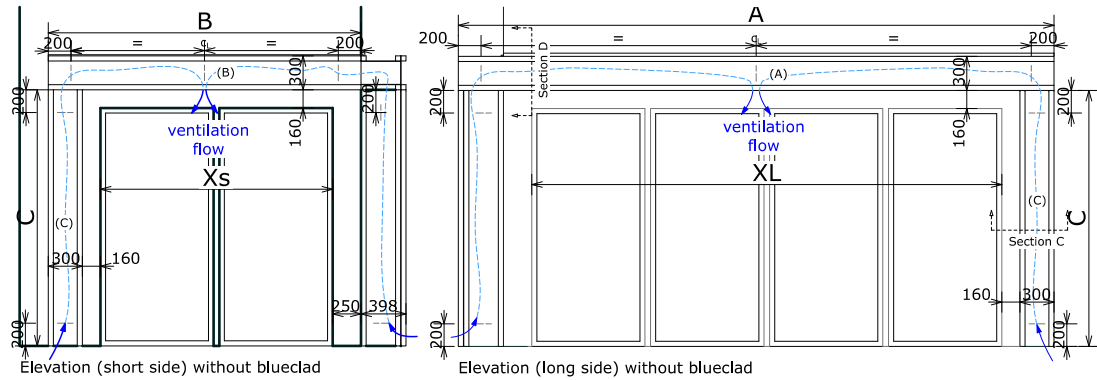
Beams (A) & (B)	quantity/length
 300mm wide (for front) made up of 2x 45x45mm with 3mm oilhard board, with Ø 83mm holes, screwed @ 200crs	1x A 1x B
 350mm wide (for top/bottom) made up of 2 x 45x45mm with 3mm oilhard board, with Ø 83mm holes, screwed @ 200crs	2x A 2x B
 320mm wide (for front) 10mm blueclad sheet	1x A + 20mm 1x B + 498mm
 398mm wide (for top/bottom) top: 8mm cementbrt sheet bottom: 10mm blueclad sheet	1x A + 20mm 1x A - 310mm 1x B + 398mm 1x B + 88mm
 35x28mm packer (to create fall)	1x A 1x B

additional length
 screw stainless A2 (blueclad) Ø3.9 - 35mm ~ 650pc ~60/m
 screw external corrosion proof (general usage) Ø4.5 - 50mm - 4pc - 0pc
 Ø5.0 - 80mm ~ 82pc ~5/m
 L-bracket 400x300 - cut to suit (per L-bracket Ø6.0 - 100mm - 4pc - 0pc
 4x Ø4.5 - 50mm & 4x Ø6.0 - 100mm) Ø6.0 - 140mm ~ 68pc ~4/m

Long side
A = 5308mm $X_L = 4200mm$
 (398+250+ X_L +160+300)

Short side
B = 4158mm $X_S = 3050mm$
 (300+160+ X_S +250+398)

C = 2300mm
 (window height + 200)



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Peter H. Lohr/
 Lars Pettersson

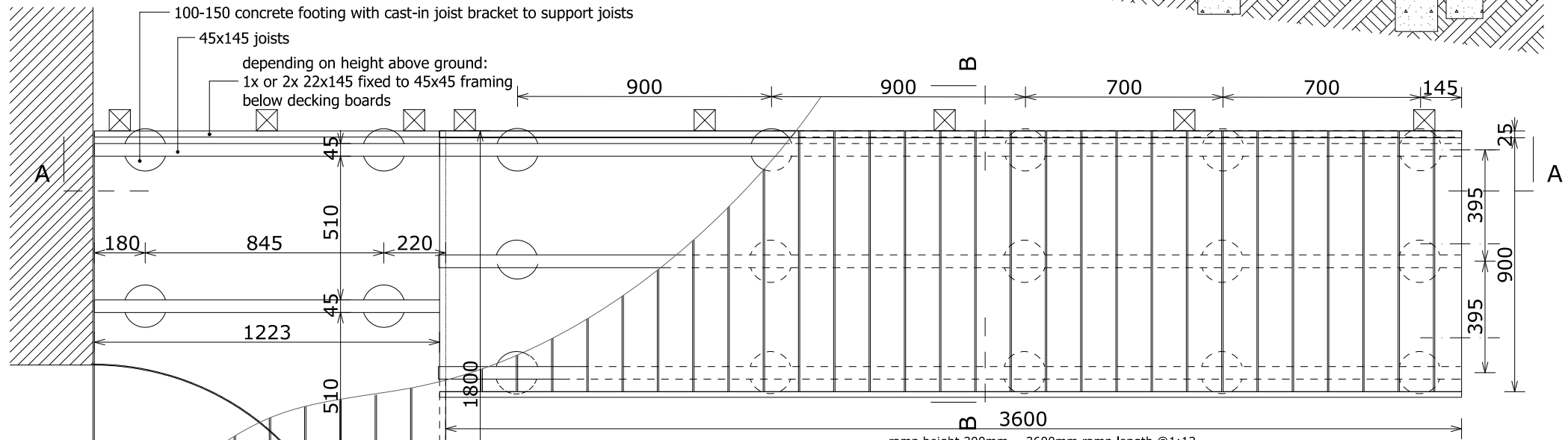
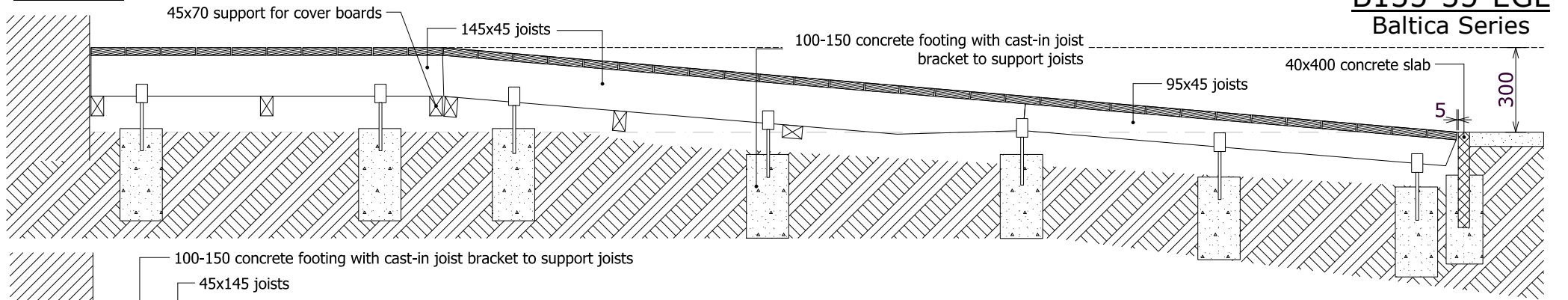
21

Shading box details 17 March 2022/A

21.563/22.706c:B135-35-EGL

Section A

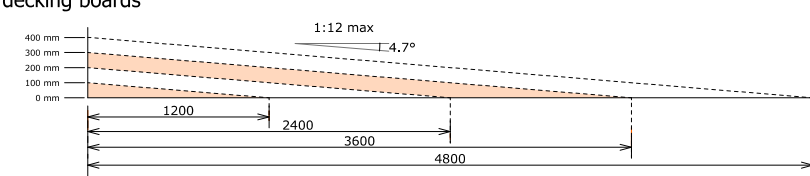
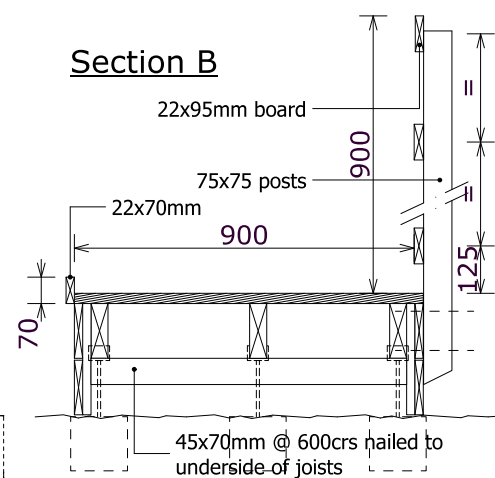
B135-35-EGL Baltica Series



Materials:

45x145 joisting	11.0 m
45x95 joisting	4.6 m
joist brackets	23 pcs
27x120 decking boards	44.8 m
22x145 cover boards	12.01 m
75x75 posts	9.0m
22x70 side boards	3.6m
22x95 balustrade	10.8m
45x70 support	5.4m

Section B



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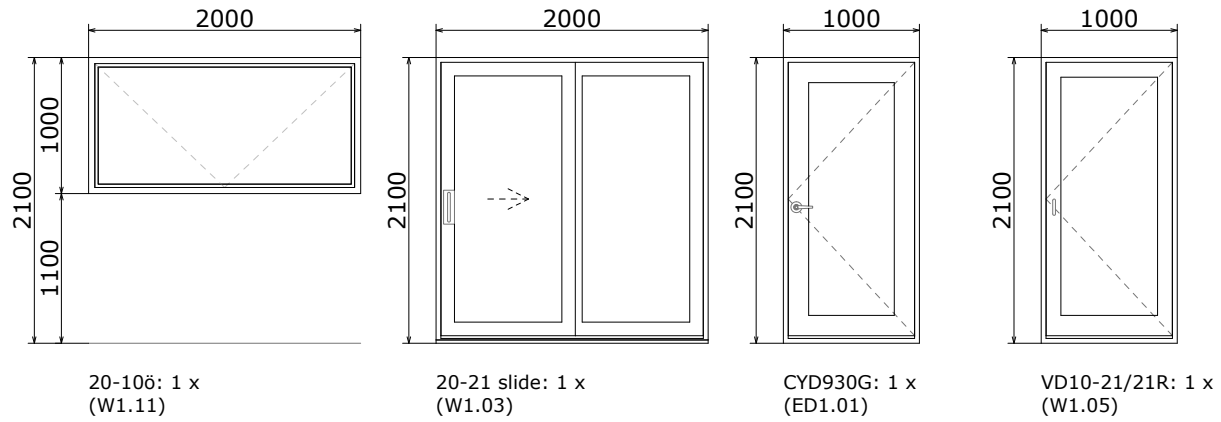
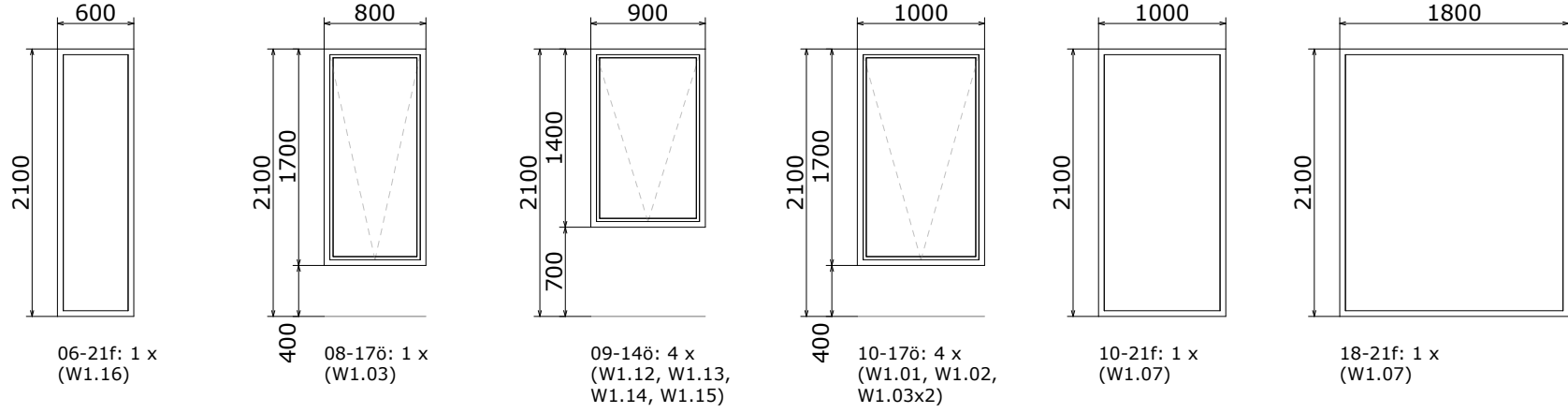
M05
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Standard Detail - M05 Ramp details	Peter H. Lohr/ Lars Petterson 17 March 2022/A

B135-35-EGL

Baltica Series

All dimensions are raw opening dimensions only - NOT actual door or window dimensions - all windows as viewed from exterior



Areas (m ²)				
External wall area	---	---	---	136
Roof area gross	---	---	186	---
Floor slab gross area	---	143	---	---
TUFA (total)	126	---	---	---

Partitions (mm)	56196
Stud type	70mm
Wall type	std

Windows schedule				
SCH code	width	height	operation	Qty
06-21f	600	2100	fixed	1
08-17ö	800	1700	top swing	1
09-14ö	900	1400	top swing	4
10-17ö	1000	1700	top swing	4
10-21f	1000	2100	fixed	1
18-21f	1800	2100	fixed	1
20-10ö	2000	1000	top swing	1
20-21 slide	2000	2100	slide	1
VD10-21/21R	1000	2100	side hung	1

Doors - external & internal - order list				
Code	Type /ID	width	height	Quantity
CYD930G	ED1.01	1000	2100	1
07-21	ID	700	2100	2
09-21	ID	900	2100	6

Special project notes:
single storey porch

70mm = 45x70mm stud + 1x 12.5mm plasterboard each side
 95mm = 45x70mm stud + 1x 12.5mm plasterboard each side
 70mm_b = 45x95mm stud @400 crs around bathrooms + 1x 12.5mm plasterboard each side
 70mm_s = 45x70mm stud - sound-proof + 2x 12.5mm plasterboard each side

Specifications as per contract www.scanhome.ie

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Elaine Gleeson Lowerton More, Blueball, Tullamore, Co. Offaly	Peter H. Lohr/ Lars Pettersson
Win/Door Schedule	17 March 2022/A



