

**note:** enca-vent mesh can be omitted in some circumstances. Consult with Idiens for your particular situation

<b>01</b>	sample floor plan	FLRPS1
<b>02</b>	sample cross section A	SEC A
<b>03</b>	sample cross section B	SEC B
<b>04</b>	sample cross section M	SEC M
<b>05</b>	kiwitray profiles	IKT PRO
<b>06</b>	kiwitray profiles perspective view	C
	kiwitray profiles perspective view	R
<b>07</b>	typical kiwitray roofing profile	IKT400r
<b>08</b>	kiwitray ridge cap	IKTRC1
<b>09</b>	kiwitray spouting detail	IKTSP1
<b>10</b>	kiwitray spouting detail	IKTSP2
<b>11</b>	kiwitray barge cap detail	IKTBC1
<b>12</b>	kiwitray eave (mono pitch)	IKTEV1
<b>13</b>	kiwitray waterfall detail	IKTWF1
<b>14</b>	kiwitray valley detail	IKTVF1
<b>15</b>	kiwitray parapet detail	IKTPC1
<b>16</b>	kiwitray typical kiwitray cladding profile	IKT400c
<b>17</b>	kiwitray head detail	IKTH01
<b>18</b>	kiwitray jamb detail	IKTJ01
<b>19</b>	kiwitray sill detail	IKTS01
<b>20</b>	kiwitray external corner	IKTEX1
<b>21</b>	kiwitray internal corner	IKTIN1
<b>22</b>	kiwitray wall base detail	IKTWB1
<b>23</b>	kiwitray meterbox detail	IKTMB1
<b>24</b>	kiwitray soffit detail	IKTSOF1

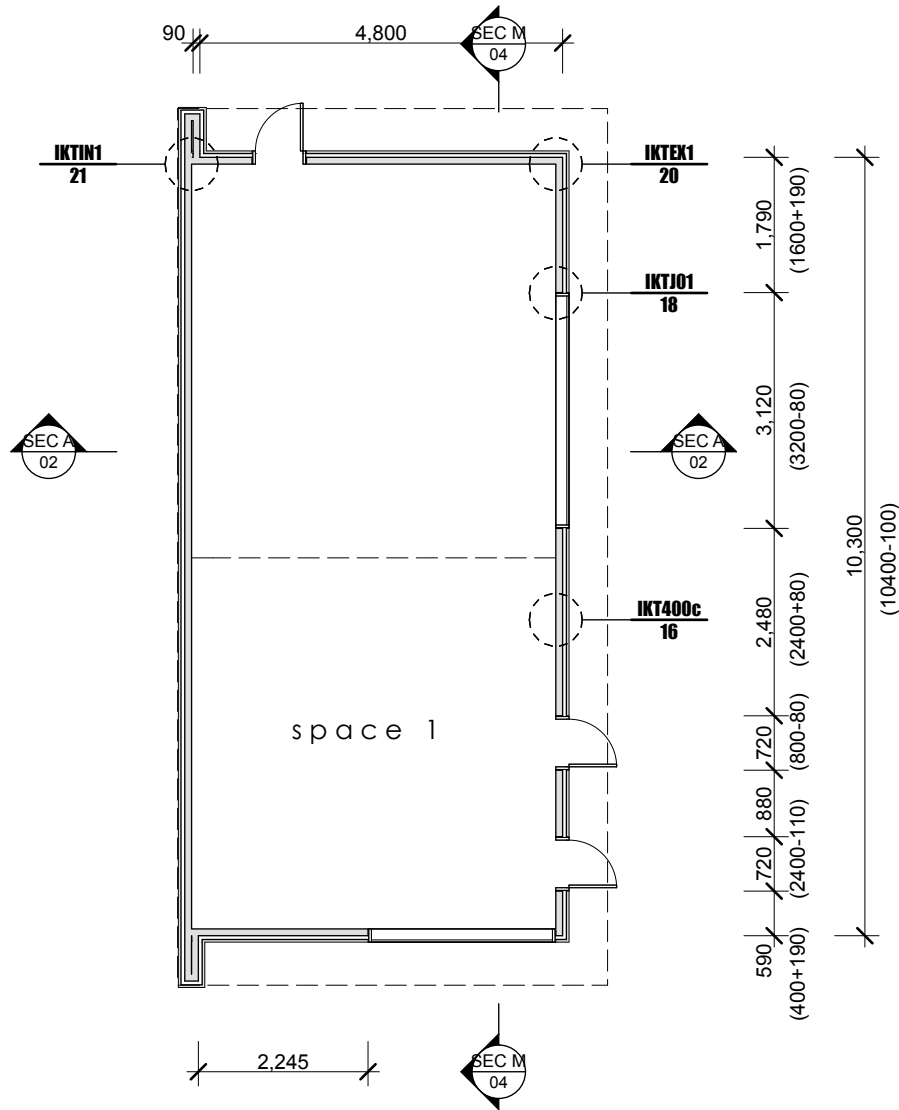
**note:** plywood substrate for cladding can be omitted in some circumstances. Consult with Idiens for your particular situation

Original Sheet Size	A4
Design	Idiens Sheetmetal
Scale	1:1
Sheet Number	1

not for  
redistribution

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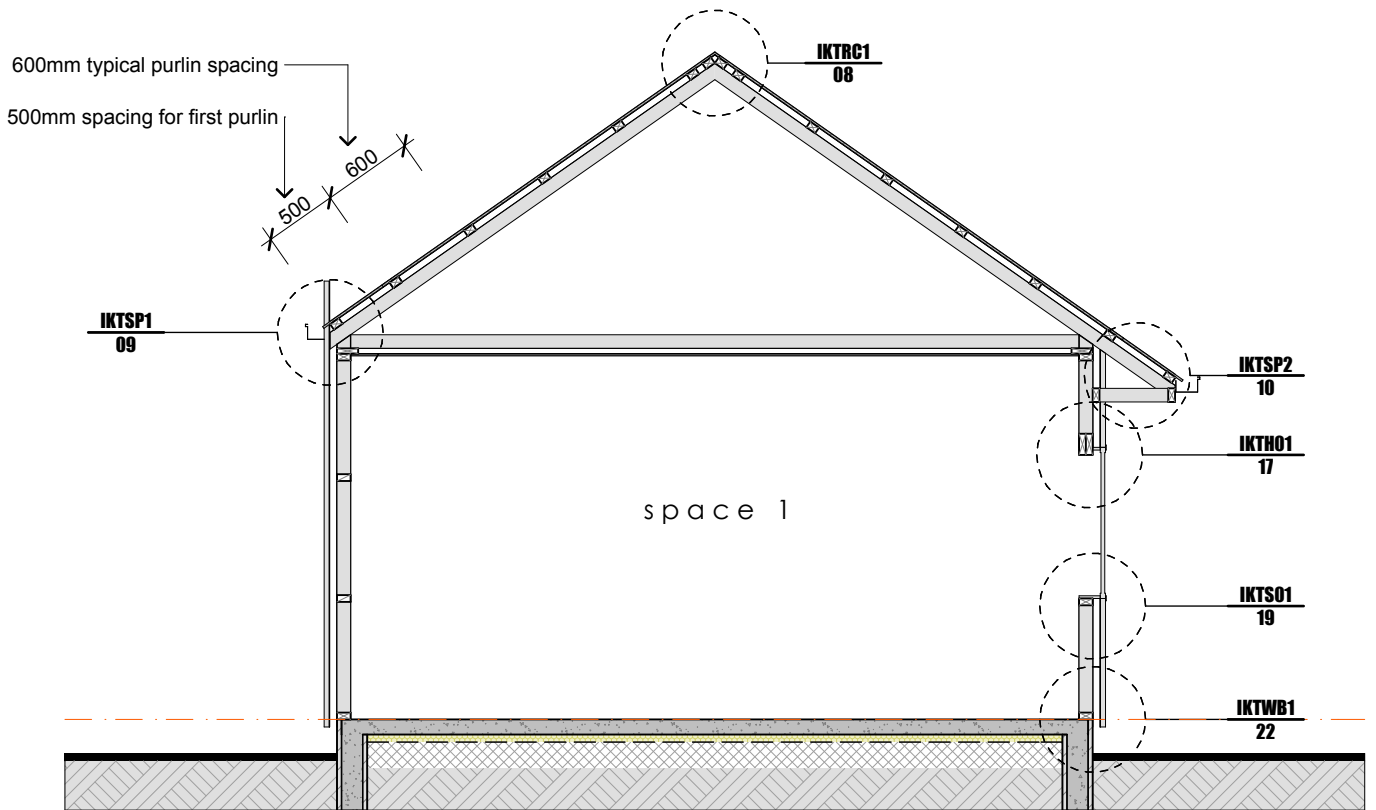
### modular setout dimensions

- external to external corner = 400mm module - 100mm (eg 1600 - 100mm=1500mm)
- external to internal corner = 400mm mod.
- internal to internal corner = 400mm mod. + 100mm
- rough opening widths = 400mm mod. - 80mm
- external corner to opening = 400mm mod. +190mm
- internal corner to opening = 400mm mod. -110mm
- opening to opening = 400mm mod. + 80mm

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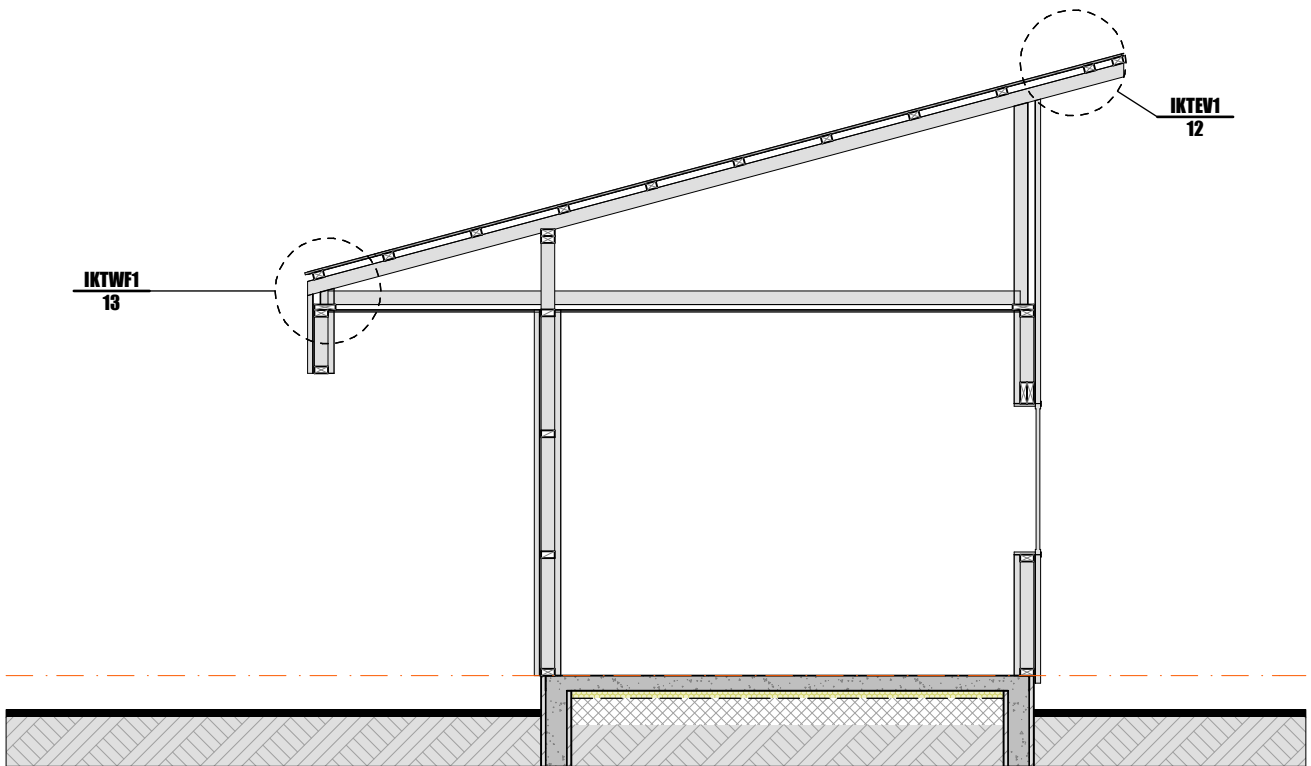


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Design	Idiens Sheetmetal
Scale	1:50
Sheet Number	3

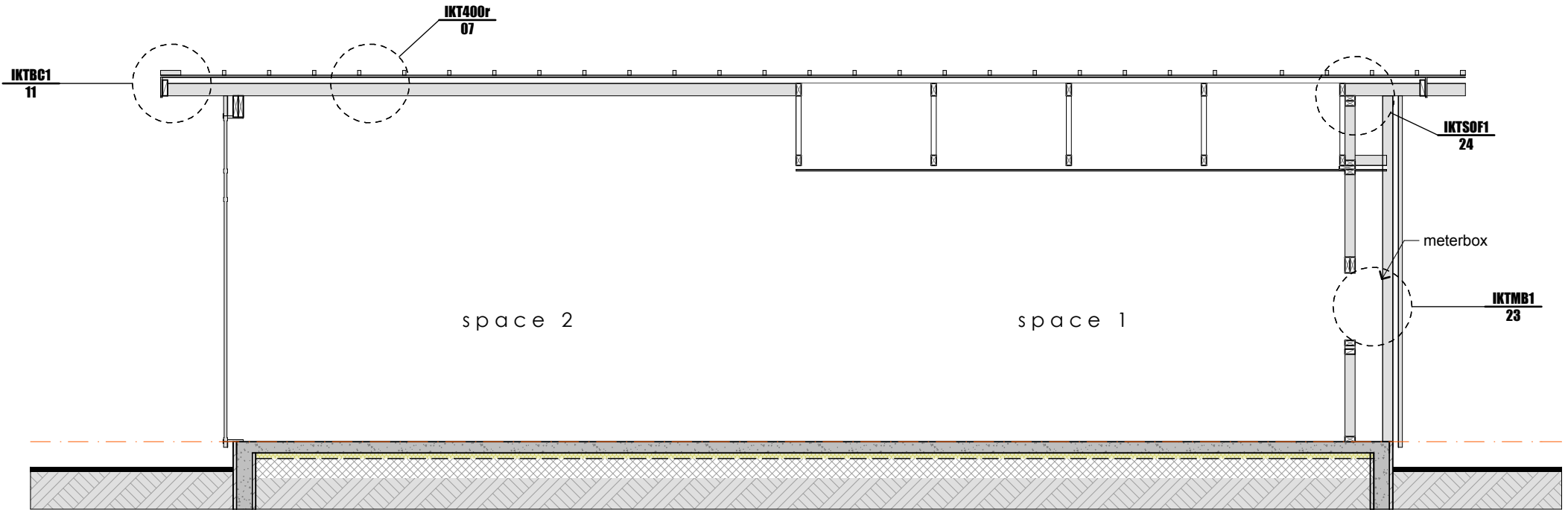
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Original Sheet Size	A4
Design	Idiens Sheetmetal
Scale	1:50
Sheet Number	4

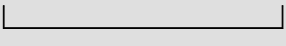



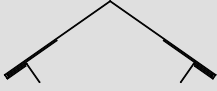
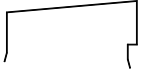




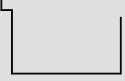



not for  
redistribution

Original Sheet Size	A4
Design	Idiens Sheetmetal
Scale	1:50
Sheet Number	5

**SEC M**

## roofing

product	code	profile
typical kwitray400 profile	IKT400r	
continuous clip (double)	ICC1r	
continuous clip (single)	ICC2r	
rib clip	IRIBr	
ridge cap flashing 1	IRCF1r	
papapet cap flashing 1	IPCF1r	
barge cap flashing 1	IBCF1r	
barge cap flashing 2 (requires concealed clip)	IBCF2r	
concealed clip	ICClp1	
spouting clip	ISC1r	
spouting 150 x 75 (requires spouting bracket 1 per 800mm + 1)	ISP1r	 (10,000mm <sup>2</sup> capacity)
spouting bracket	ISPBr	

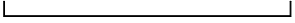








## material options

0.55mm BMT	zincalume
0.55mm BMT	galvanized steel (no material warrantee available)
0.55mm BMT	precoated zincalume (eg colorsteel, colorcote)
0.7mm BMT	pure zinc
0.7mm BMT	copper

## cladding

**note:** enca-vent mesh can be omitted in some circumstances. Consult with Idiens for your particular situation

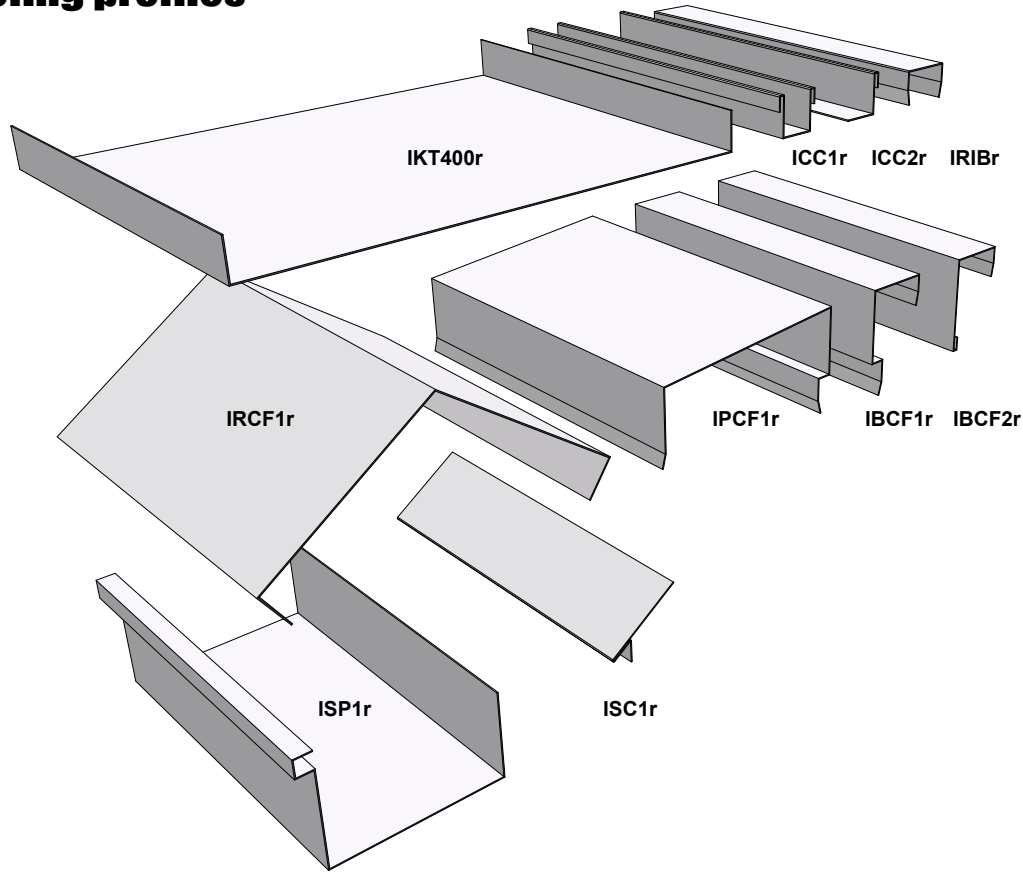
**note:** plywood substrate for cladding can be omitted in some circumstances. Consult with Idiens for your particular situation

product	code	profile
typical kwitray400 profile	IKT400c	
continuous clip (double)	ICC1c	
continuous clip (single)	ICC2c	
rib clip	IRIBc	
head flashing 1	IHF1c	
jamb flashing 1	IJF1c	
sill flashing 1	ISF1c	
base trim flashing 1	IBTF1c	
soffit flashing 1	ISOFF1c	

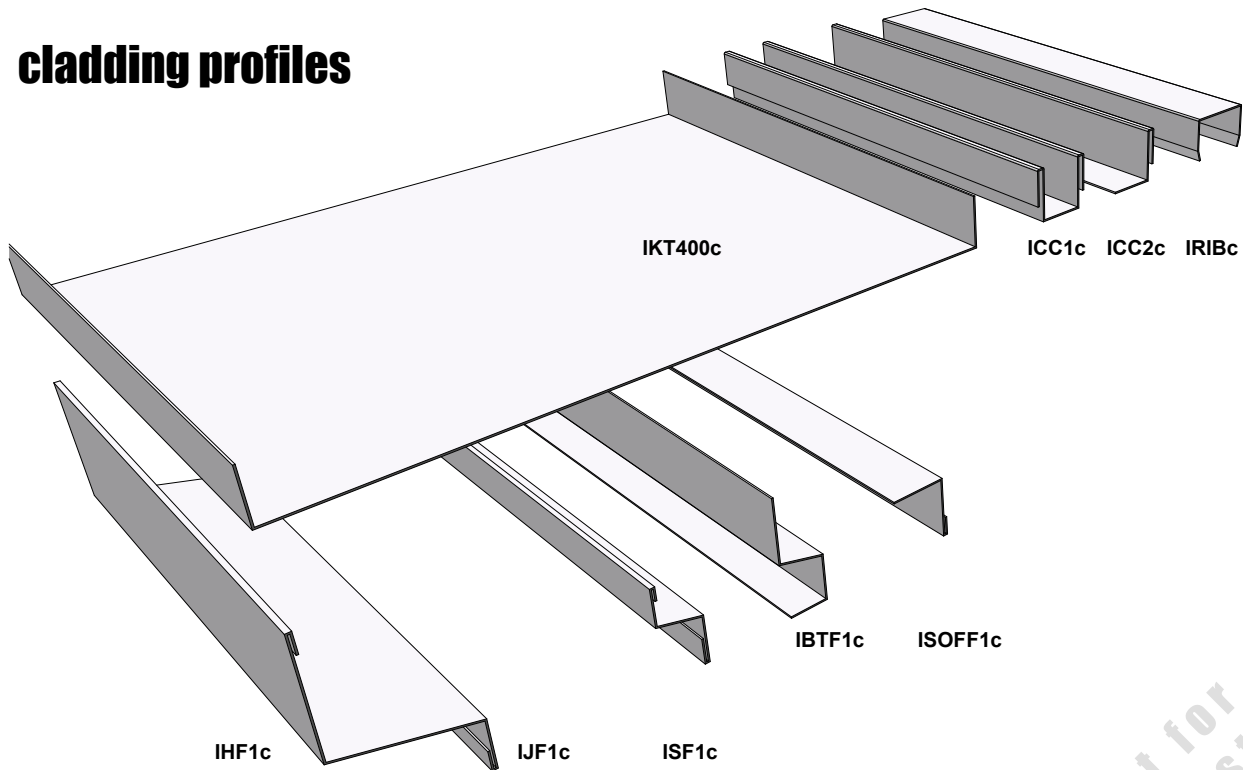
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## roofing profiles



## cladding profiles

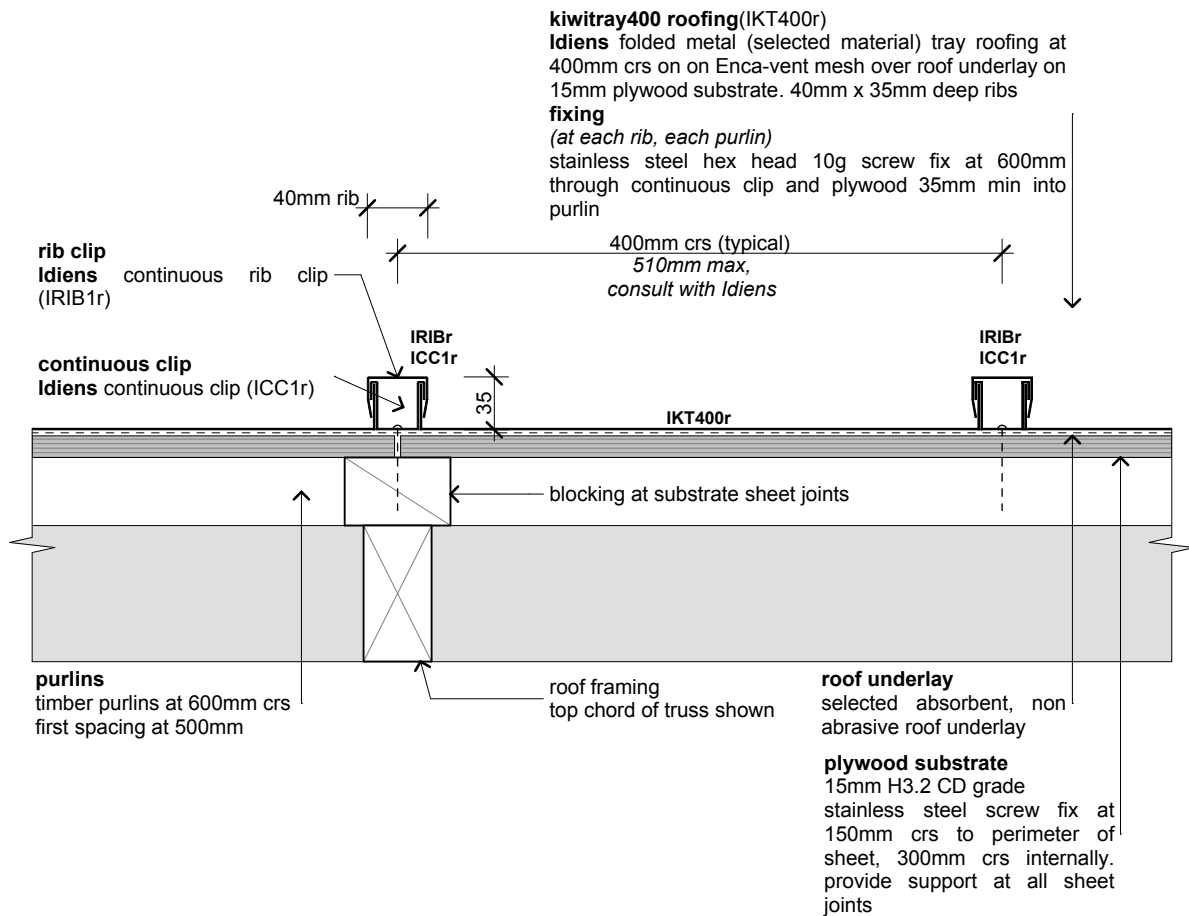


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Original Sheet Size	A4
Design	Idiens Sheetmetal
Scale	1:100
Sheet Number	7

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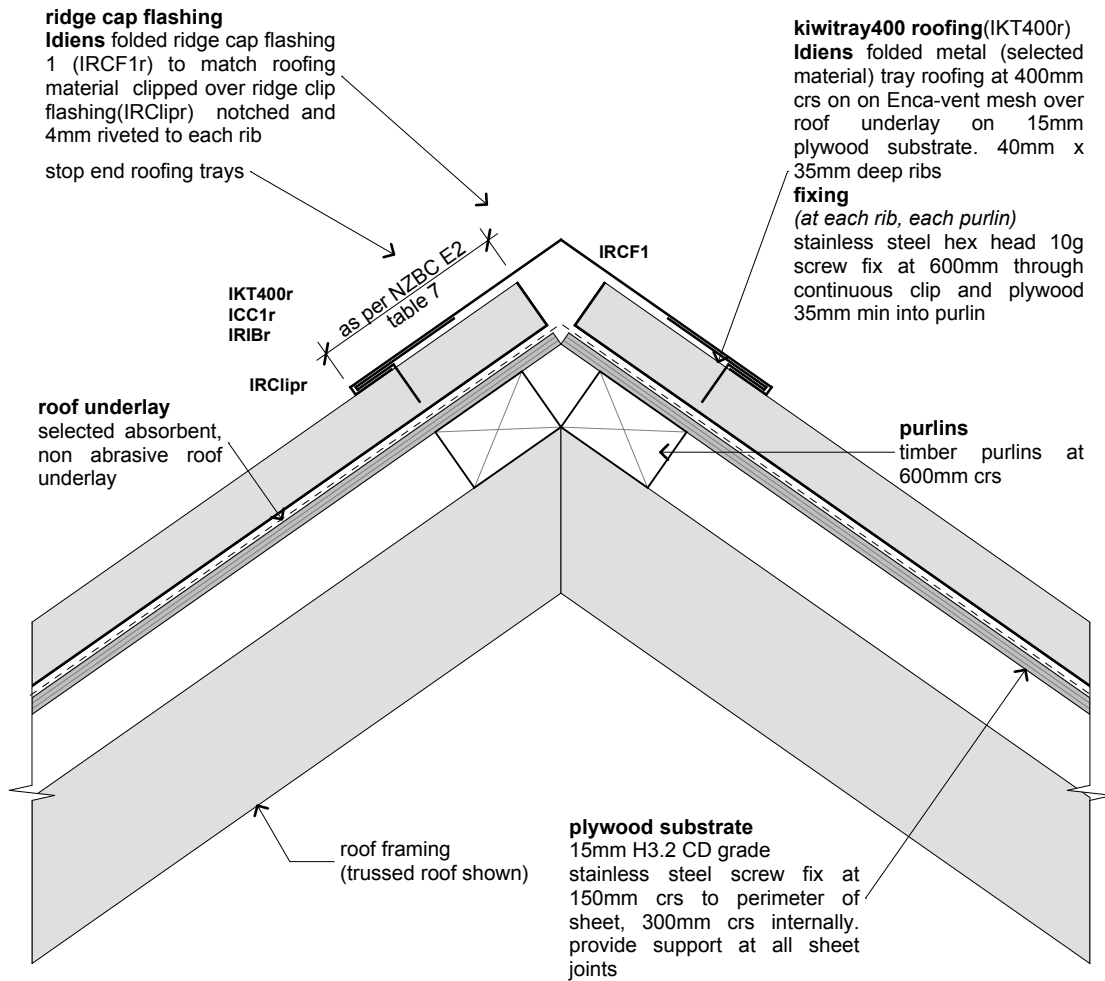


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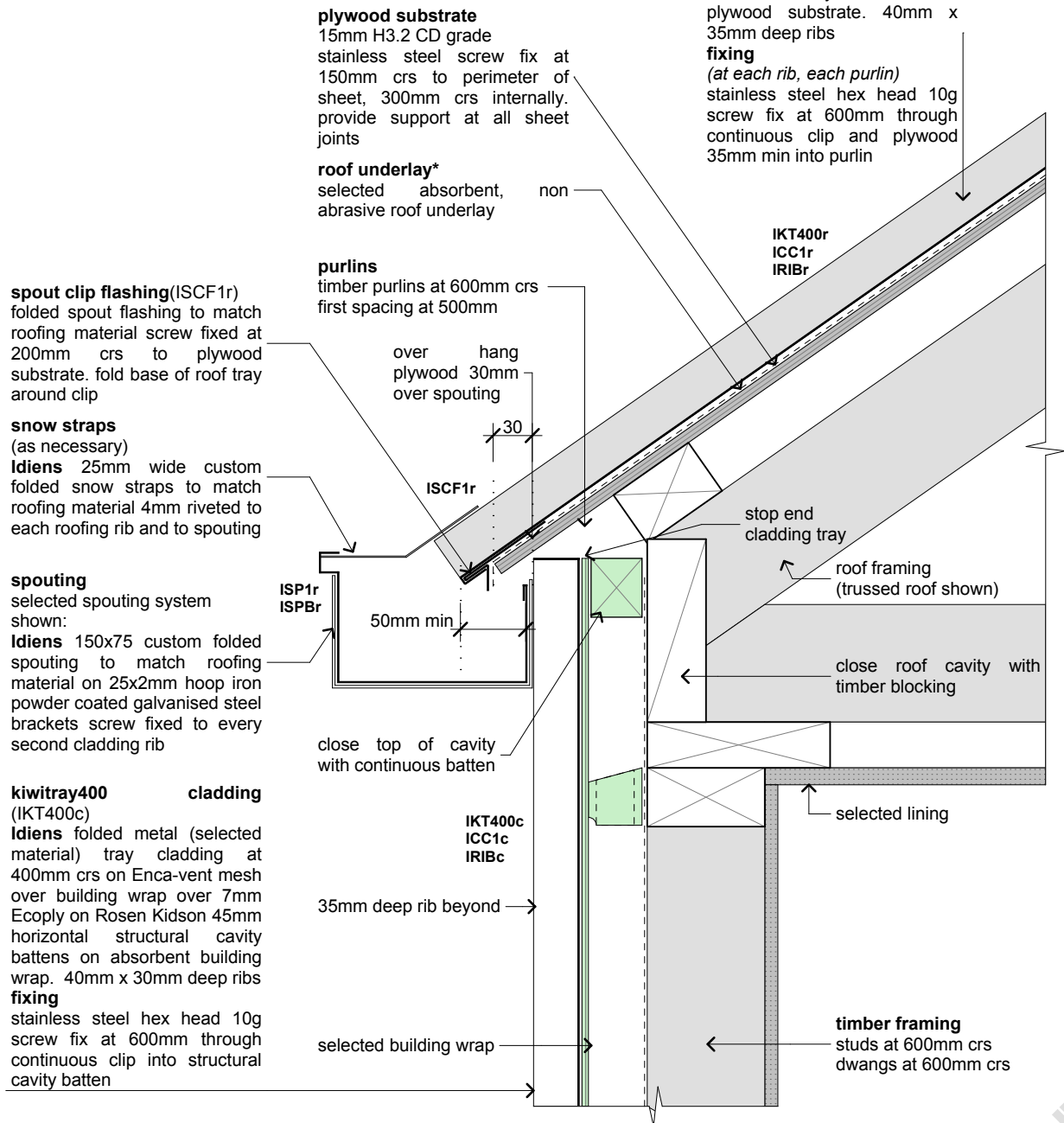
Original Sheet Size	A4
Design	Idiens Sheetmetal
Scale	1:5
Sheet Number	9

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**note!**

\*use **TBC** roof underlay for pure zinc roofing

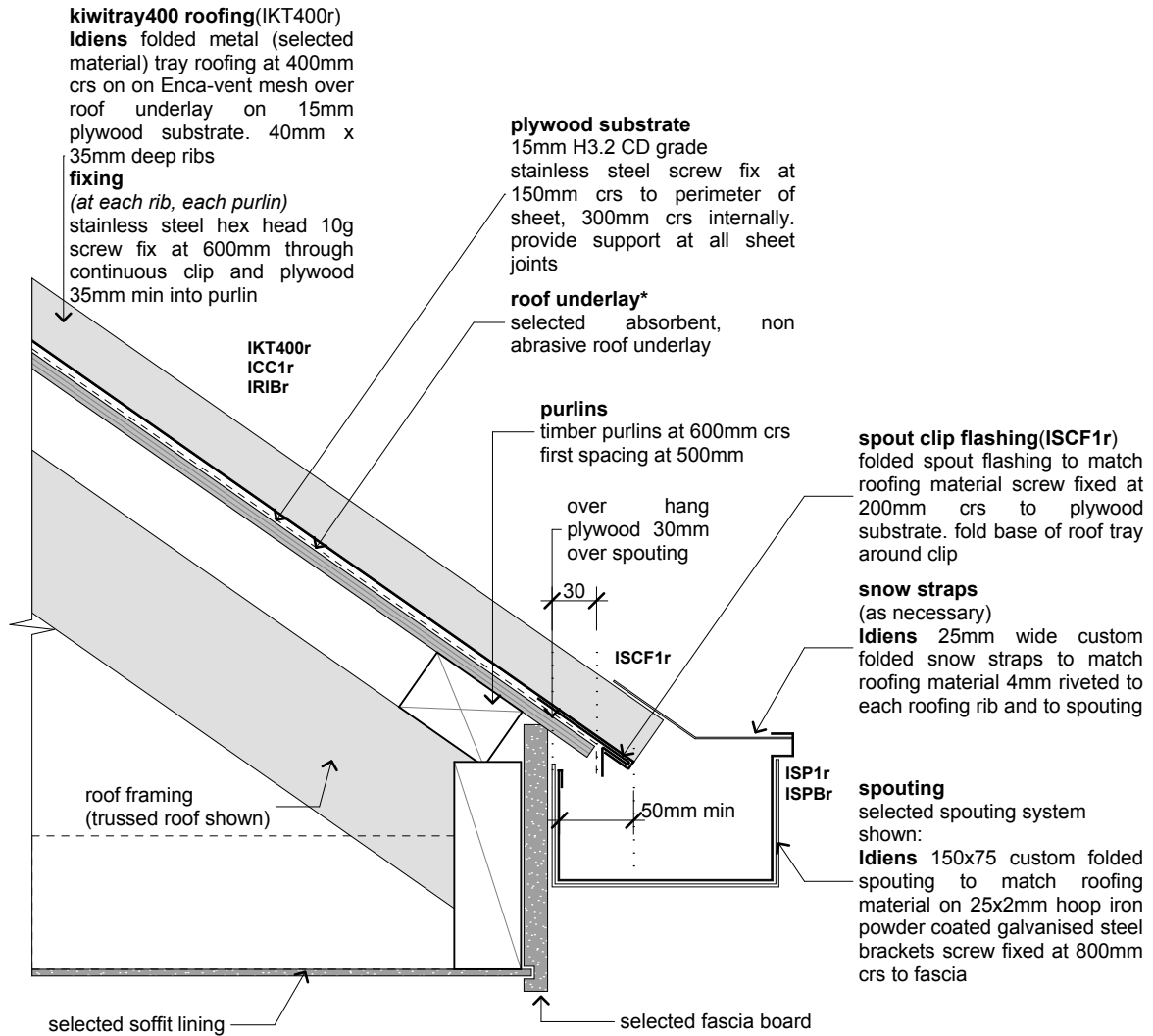


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Original Sheet Size	A4
Design	Idiens Sheetmetal
Scale	1:5
Sheet Number	10

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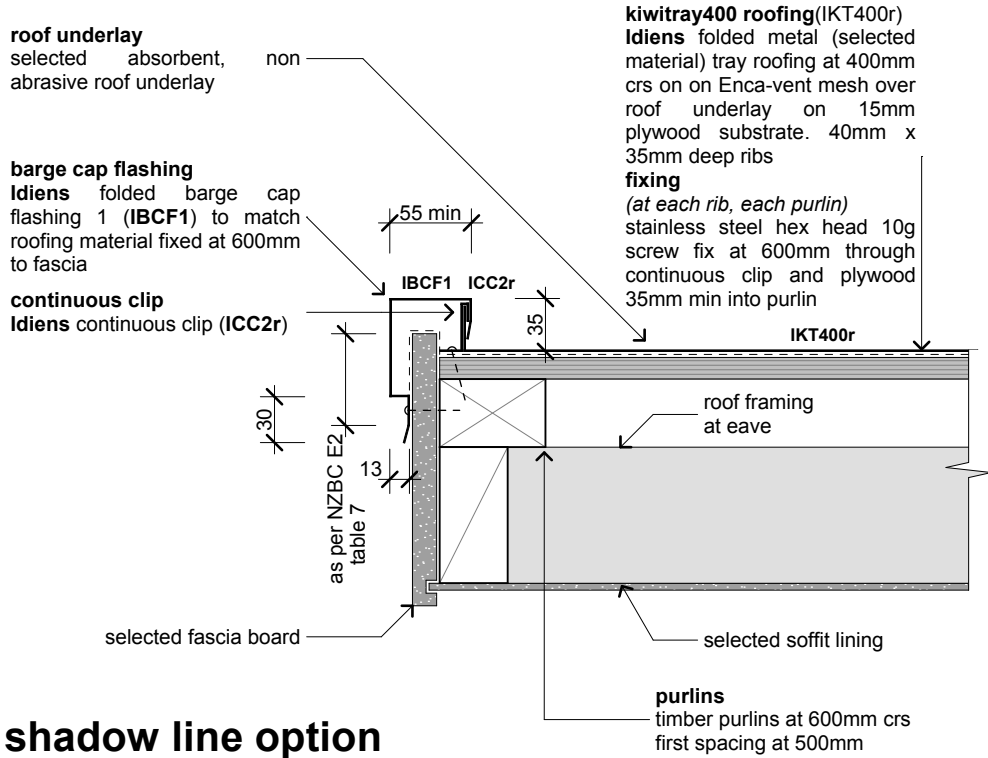
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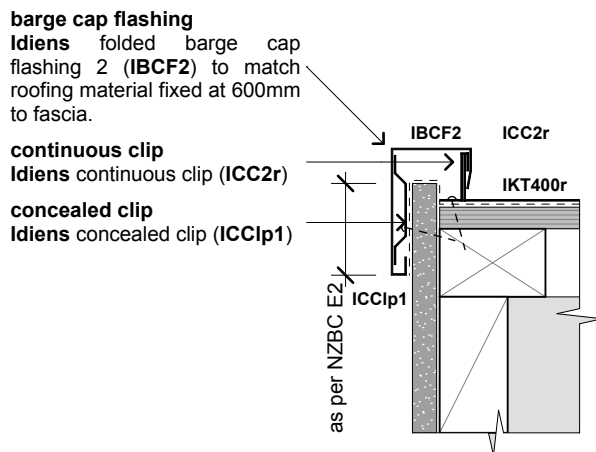
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### shadow line option



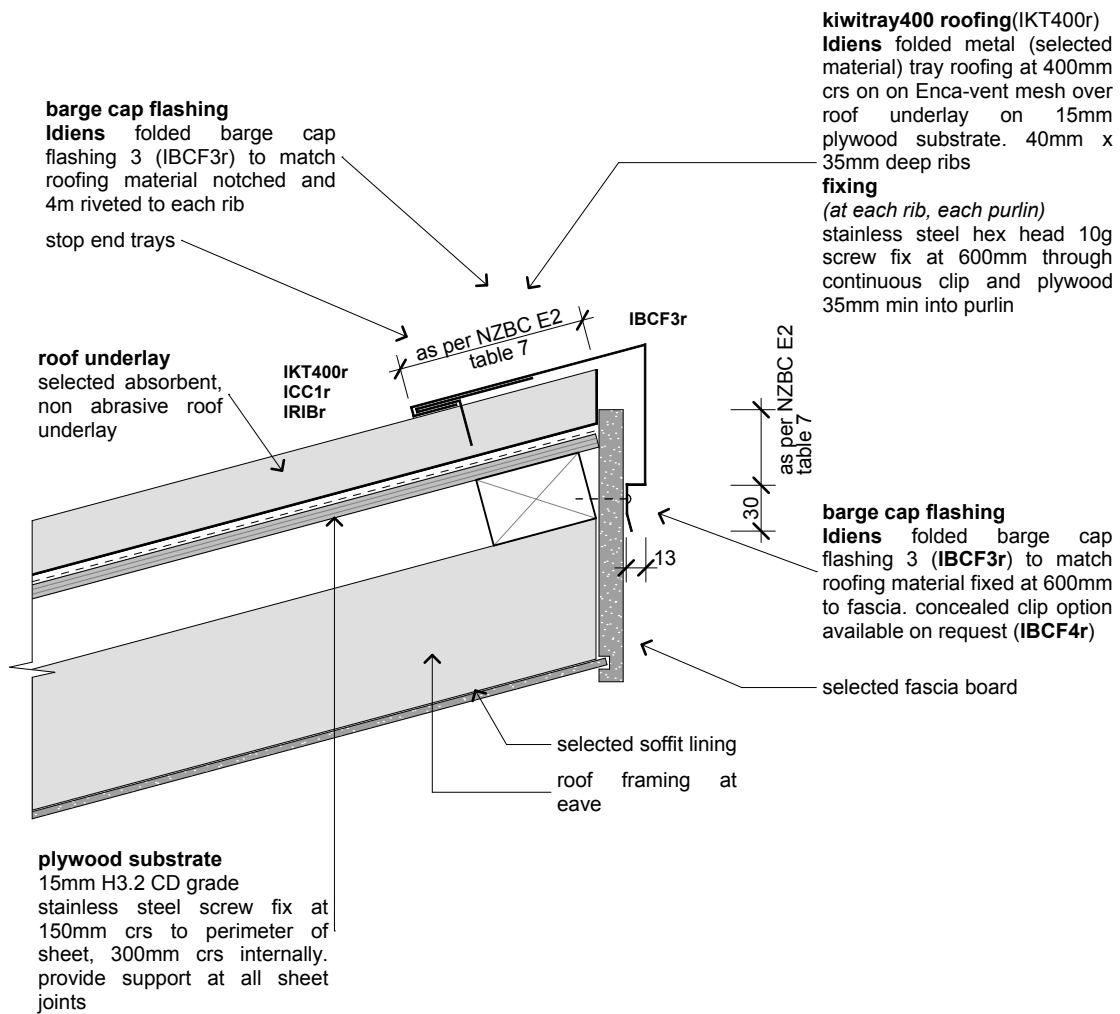
### concealed clip option

not for redistribution

Original Sheet Size	A4
Design	Idiens Sheetmetal
Scale	1:5
Sheet Number	12

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**kiwitray400 roofing (IKT400r)**

Idiens folded metal (selected material) tray roofing at 400mm crs on on Enca-vent mesh over roof underlay on 15mm plywood substrate. 40mm x 35mm deep ribs

**fixing**

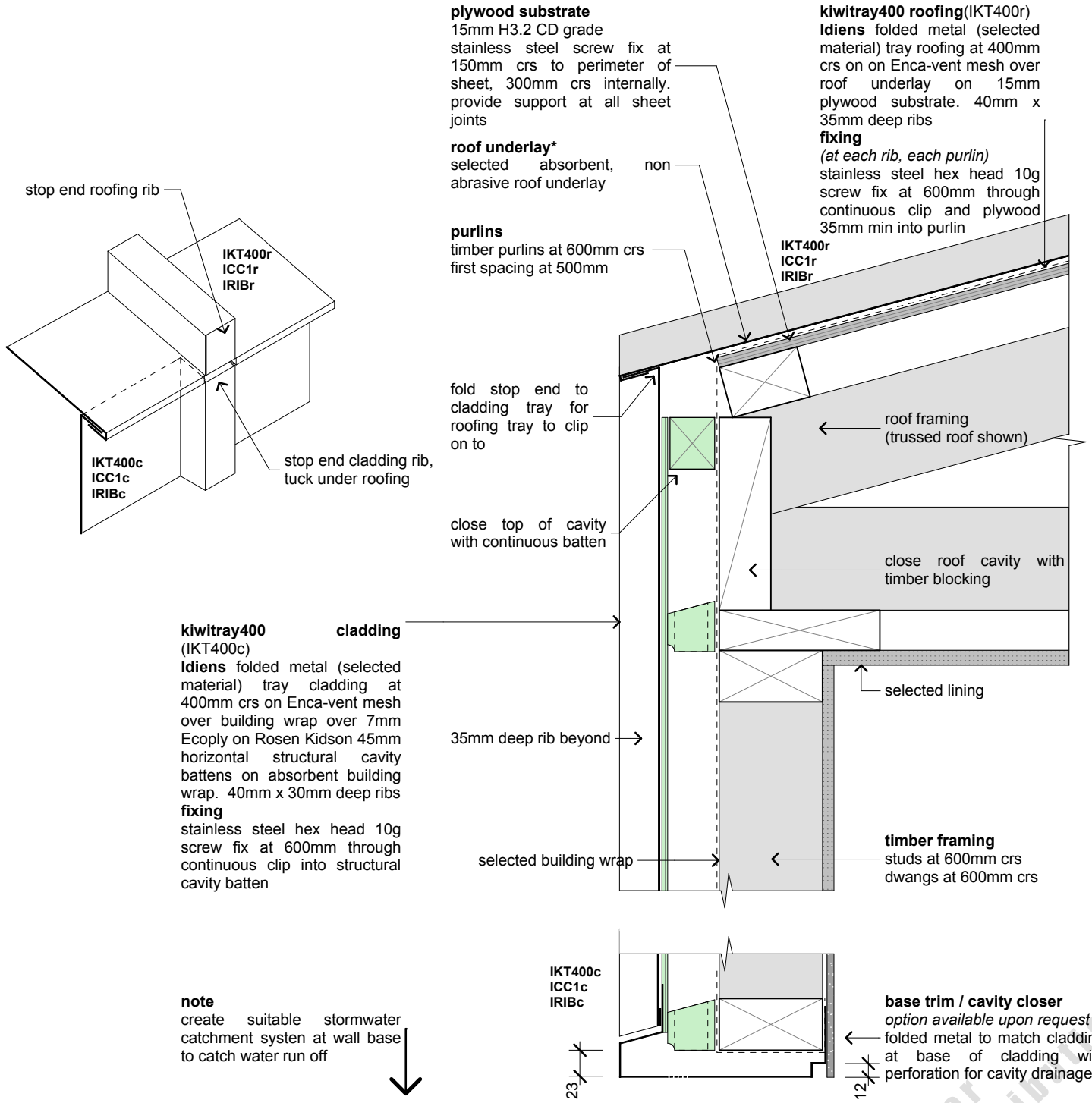
(at each rib, each purlin)  
stainless steel hex head 10g screw fix at 600mm through continuous clip and plywood 35mm min into purlin

not for redistribution

Original Sheet Size	A4
Design	Idiens Sheetmetal
Scale	1:5
Sheet Number	13

**note:** enca-vent mesh can be omitted in some circumstances. Consult with Idiens for your particular situation

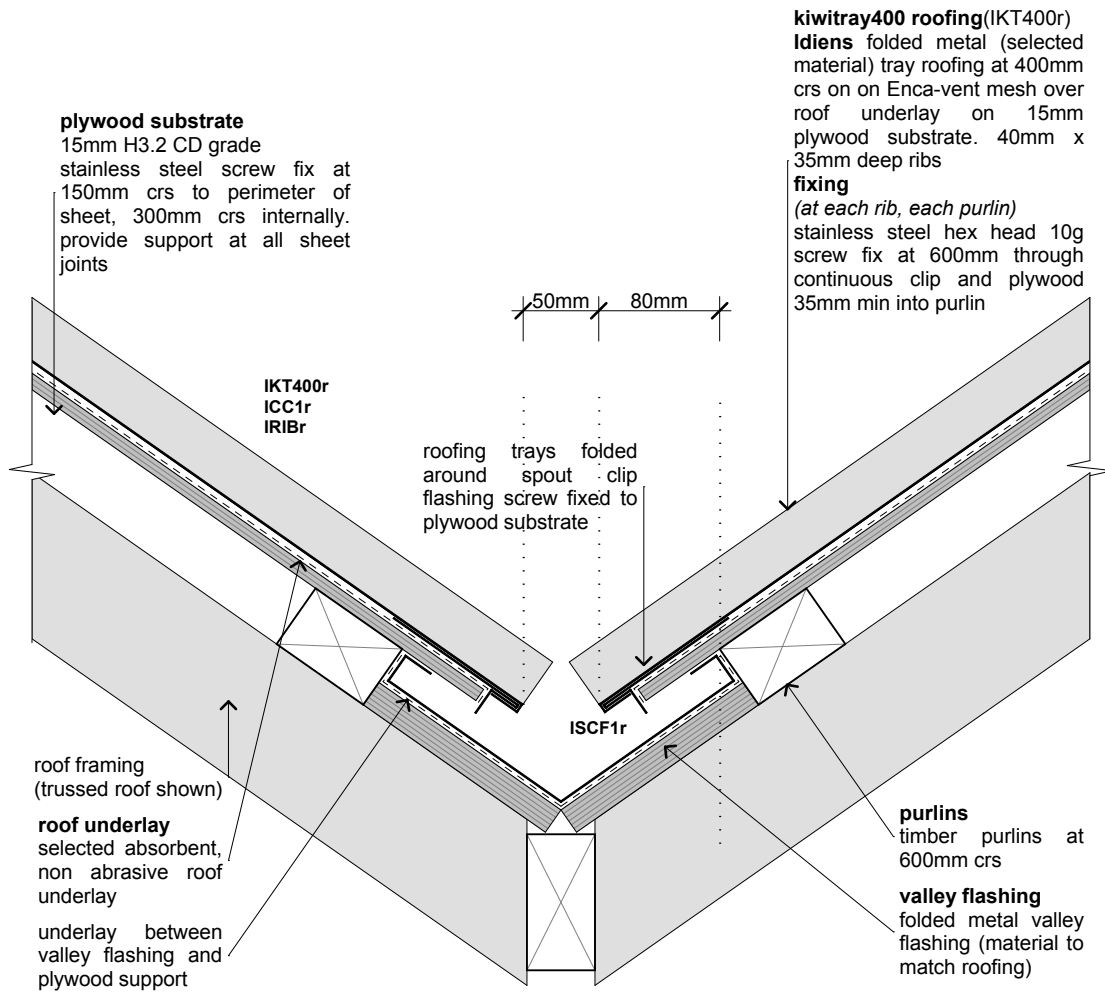
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Original Sheet Size	A4
Design	Idiens Sheetmetal
Scale	1:5
Sheet Number	14

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**plywood substrate**  
15mm H3.2 CD grade  
stainless steel screw fix at  
150mm crs to perimeter of  
sheet, 300mm crs internally.  
provide support at all sheet  
joints

**kiwitray400 roofing (IKT400r)**  
**Idiens** folded metal (selected  
material) tray roofing at 400mm  
crs on on Enca-vent mesh over  
roof underlay on 15mm  
plywood substrate. 40mm x  
35mm deep ribs

**fixing**  
(at each rib, each purlin)  
stainless steel hex head 10g  
screw fix at 600mm through  
continuous clip and plywood  
35mm min into purlin

roof framing  
(trussed roof shown)

**roof underlay**  
selected absorbent,  
non abrasive roof  
underlay

underlay between  
valley flashing and  
plywood support

**purlins**  
timber purlins at  
600mm crs

**valley flashing**  
folded metal valley  
flashing (material to  
match roofing)

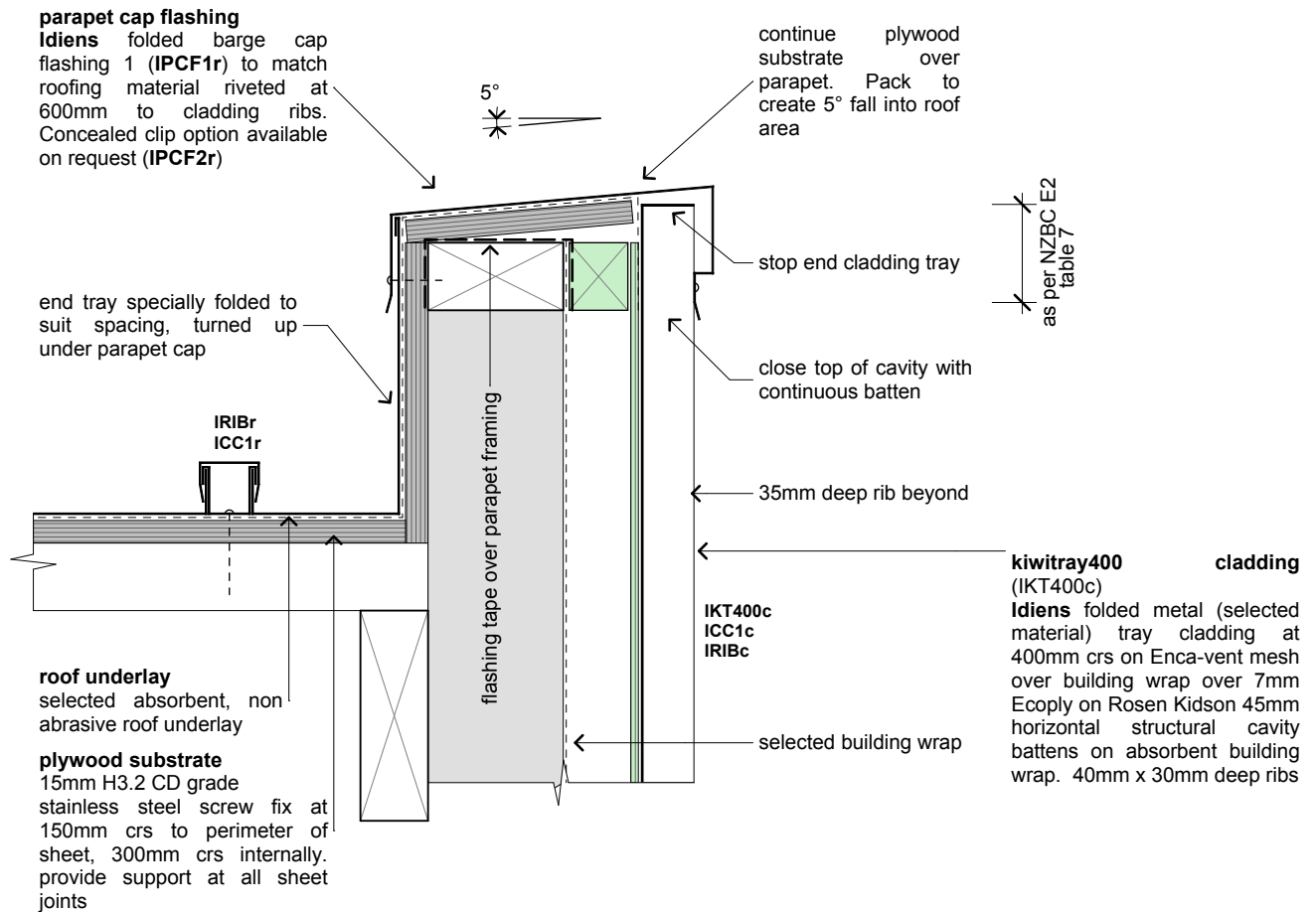
**note to local authority**  
detail based on NZBC clause E2  
AS1 figure 51

not for  
redistribution

Original Sheet Size	A4
Design	Idiens Sheetmetal
Scale	1:5
Sheet Number	15

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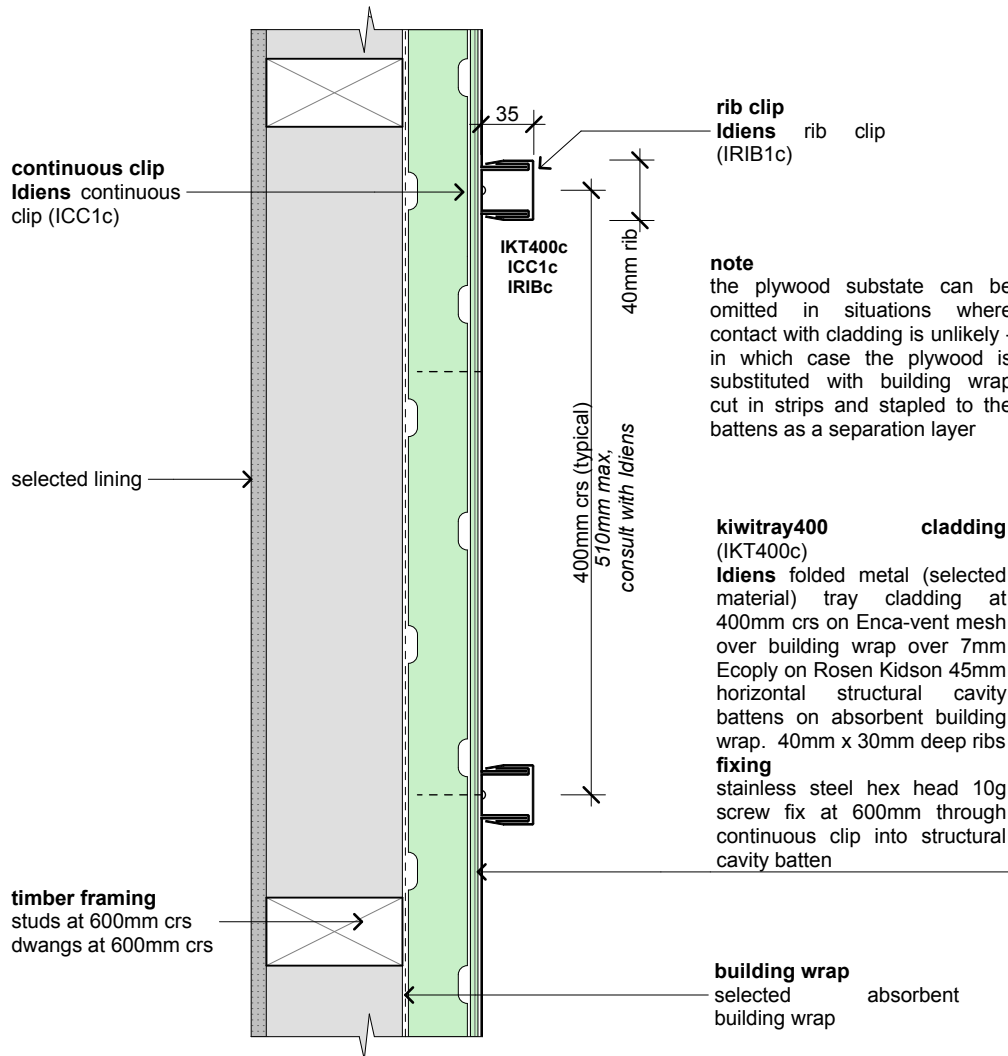
Original Sheet Size	A4
Design	Idiens Sheetmetal
Scale	1:5
Sheet Number	16

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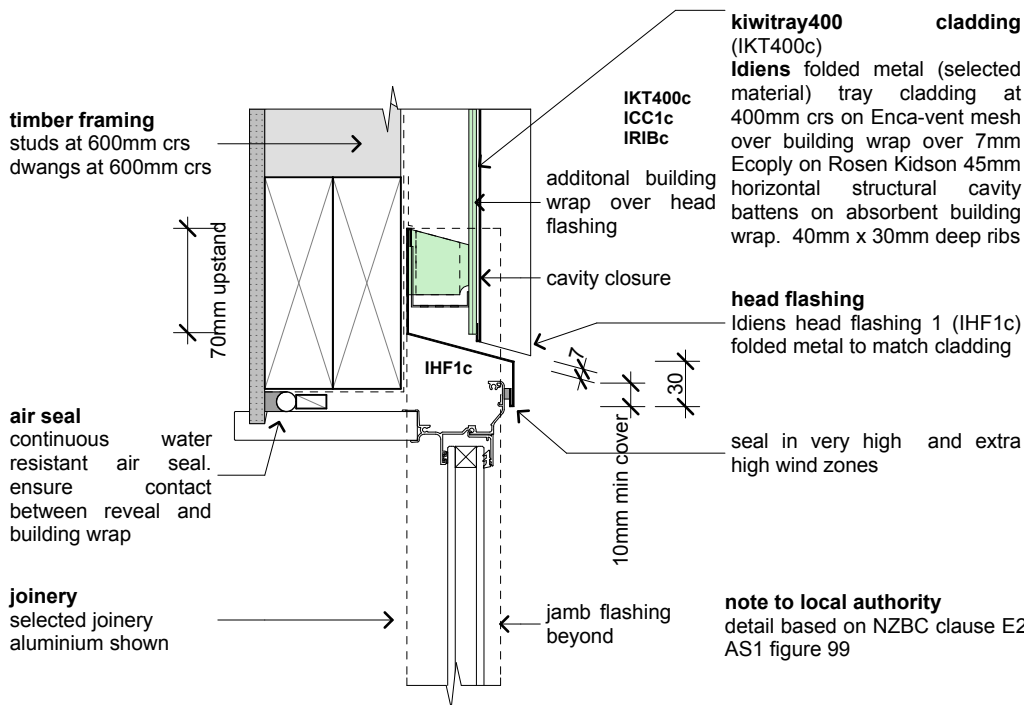
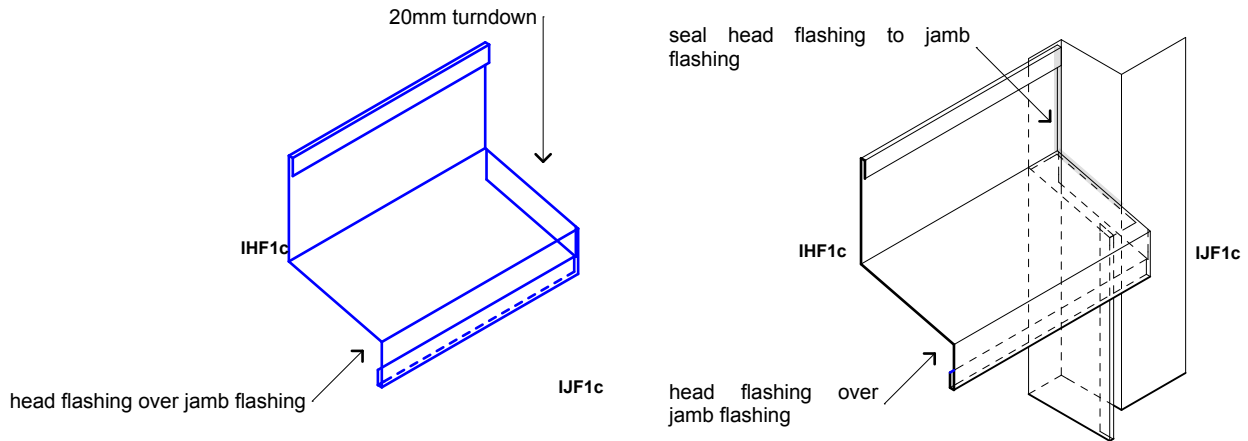
**note**  
the plywood substate can be omitted in situations where contact with cladding is unlikely - in which case the plywood is substituted with building wrap cut in strips and stapled to the battens as a separation layer

**kiwitray400 cladding (IKT400c)**  
**Idiens** folded metal (selected material) tray cladding at 400mm crs on Enca-vent mesh over building wrap over 7mm Ecoply on Rosen Kidson 45mm horizontal structural cavity battens on absorbent building wrap. 40mm x 30mm deep ribs  
**fixing**  
stainless steel hex head 10g screw fix at 600mm through continuous clip into structural cavity batten

not for redistribution

**note:** enca-vent mesh can be omitted in some circumstances. Consult with Idiens for your particular situation

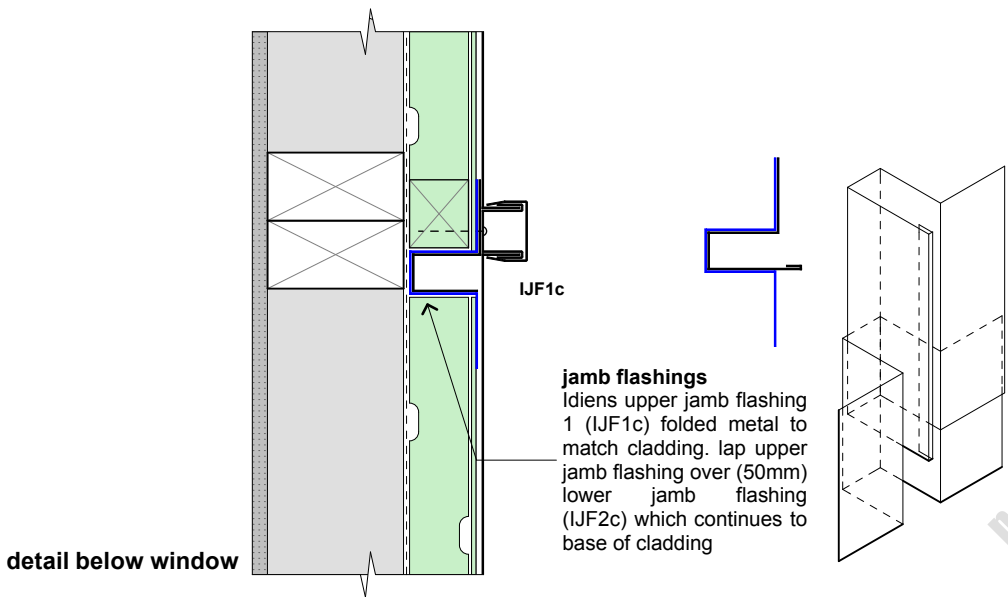
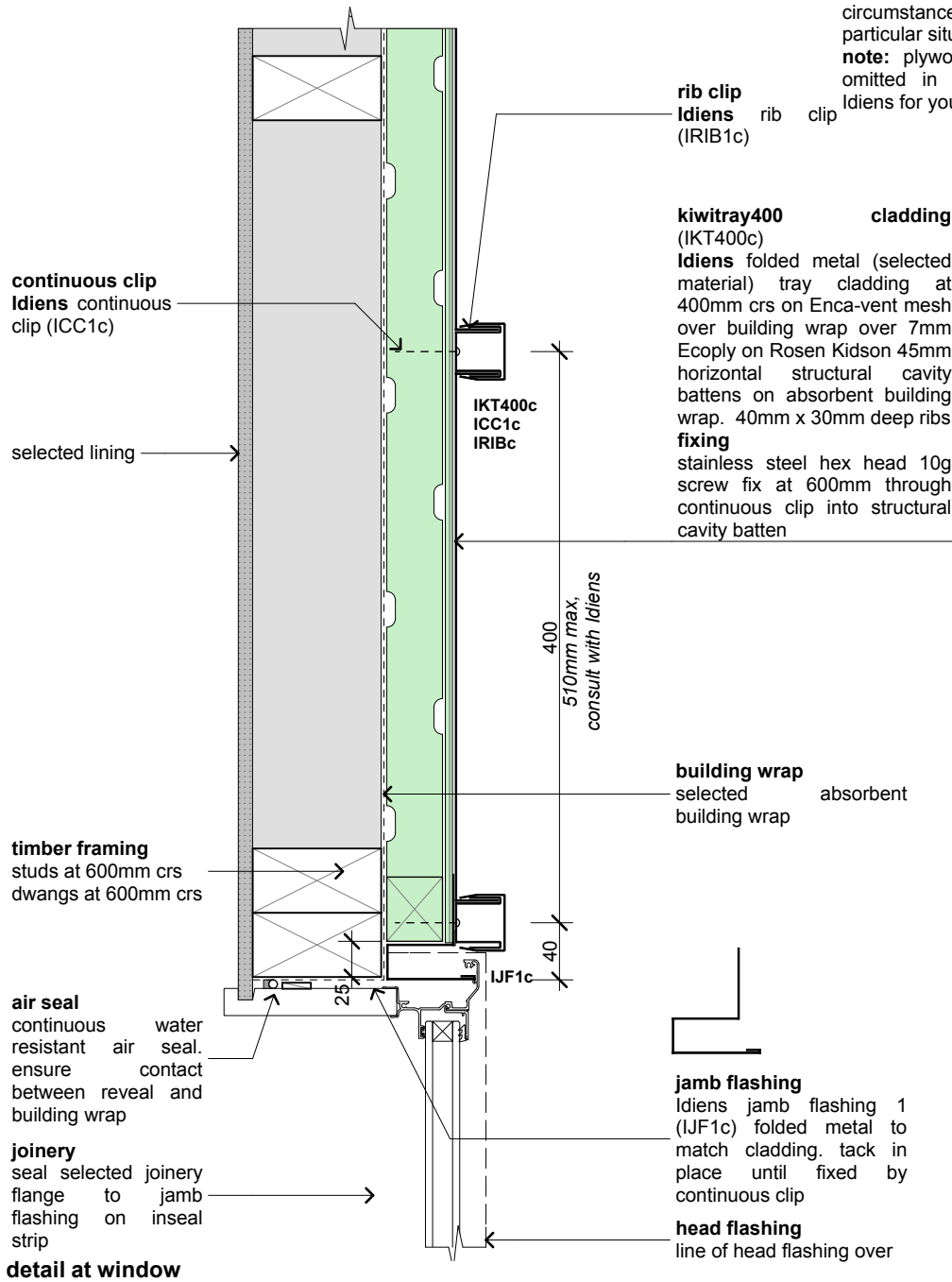
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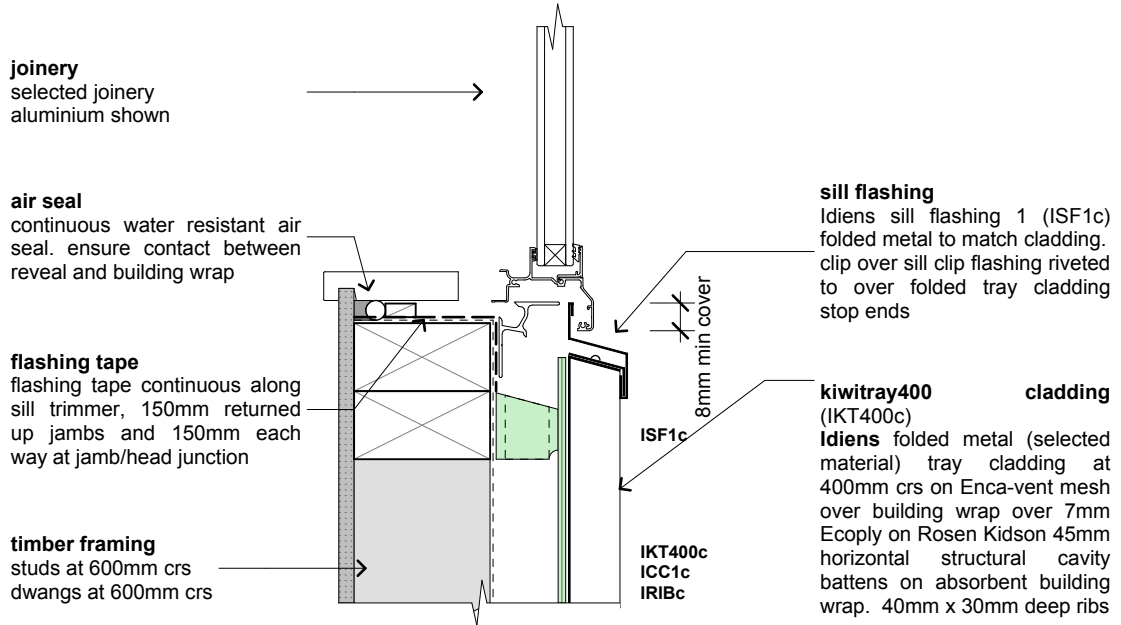
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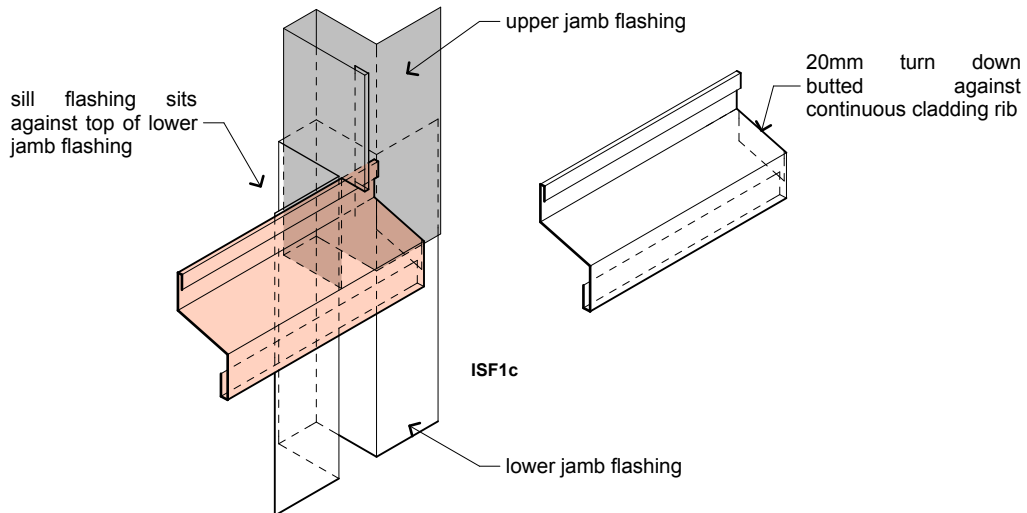
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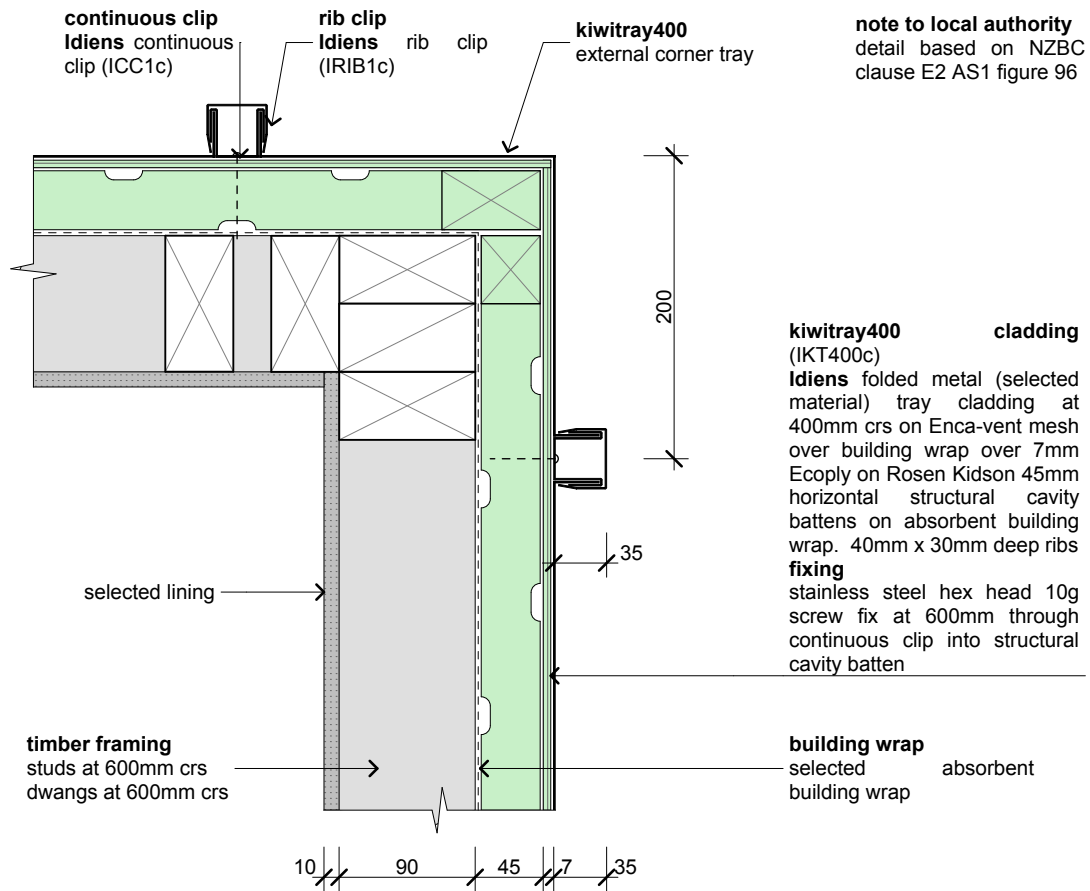
**note to local authority**  
detail based on NZBC clause E2 AS1 figure 99



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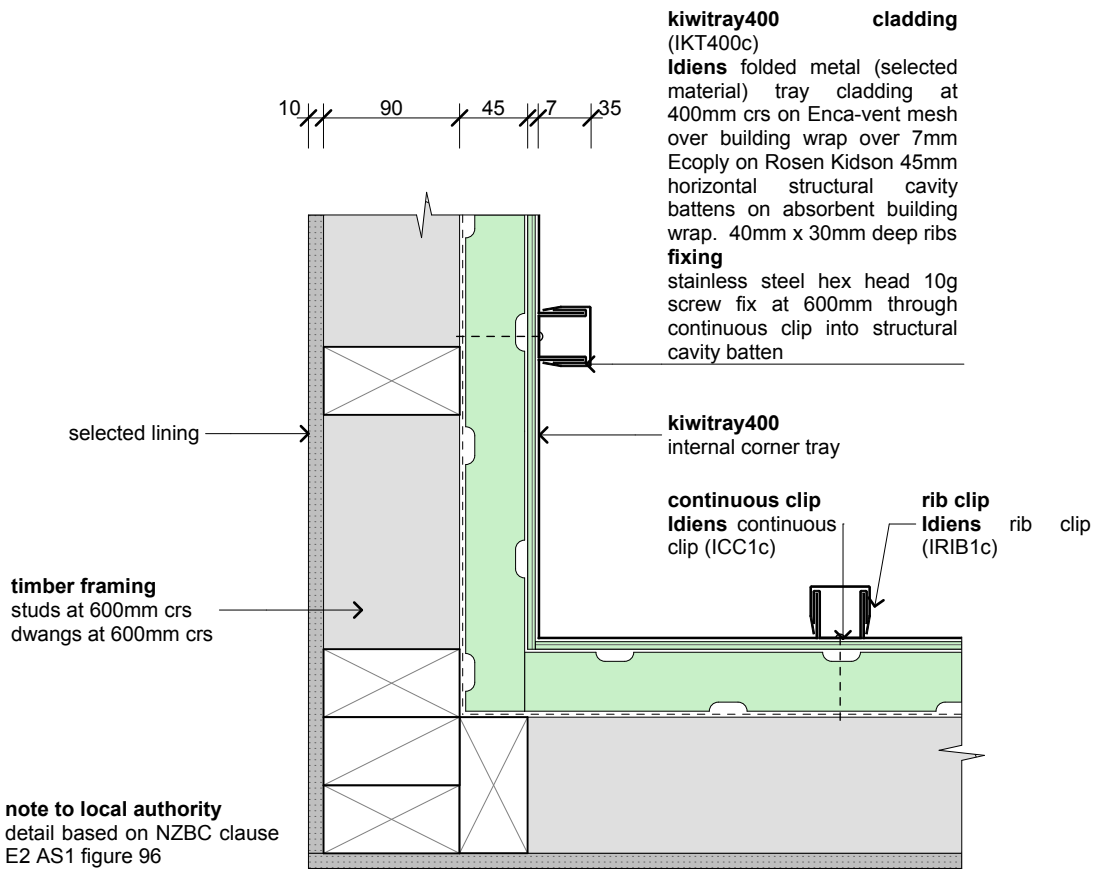


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Design	Idiens Sheetmetal
Scale	1:5
Sheet Number	21

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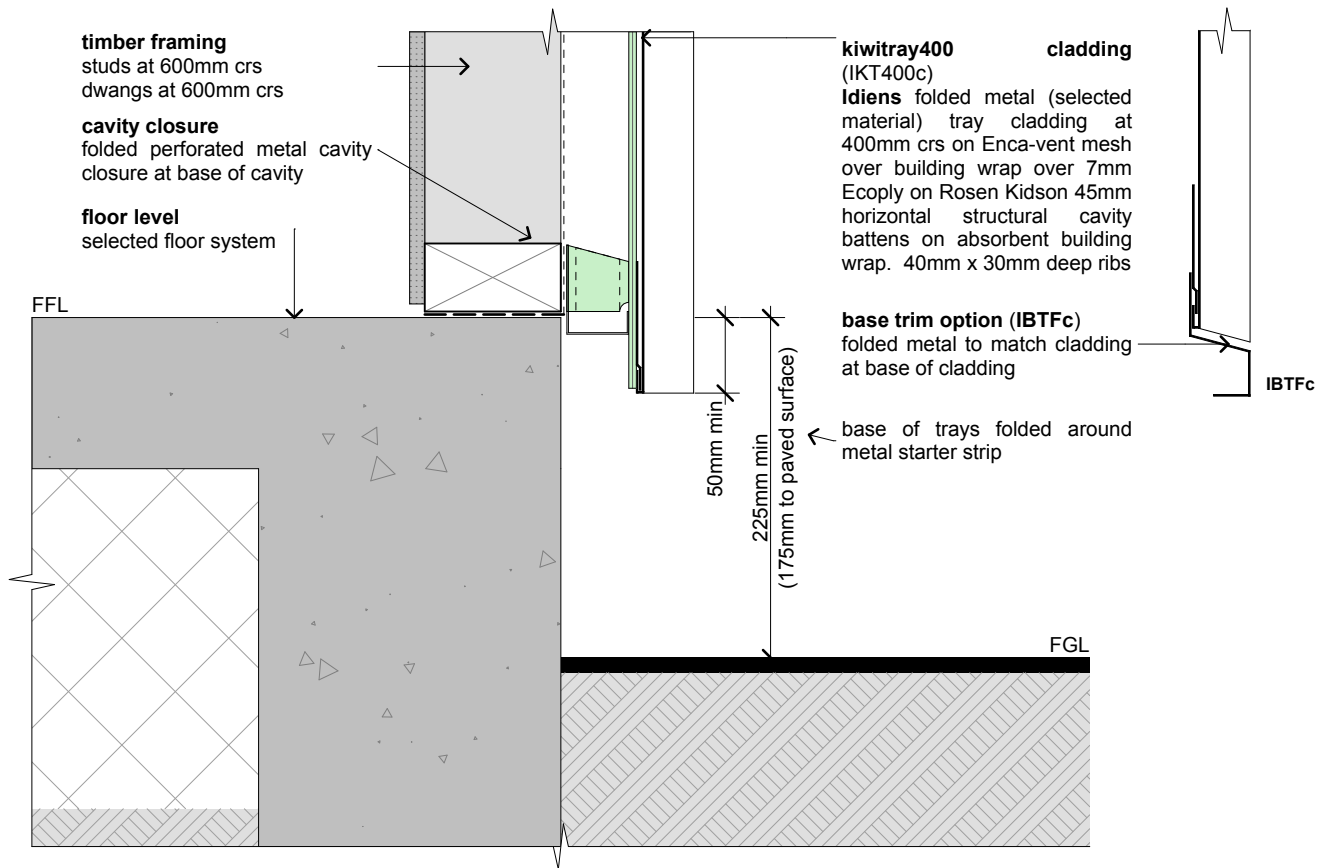


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Design	Idiens Sheetmetal
Scale	1:5
Sheet Number	22

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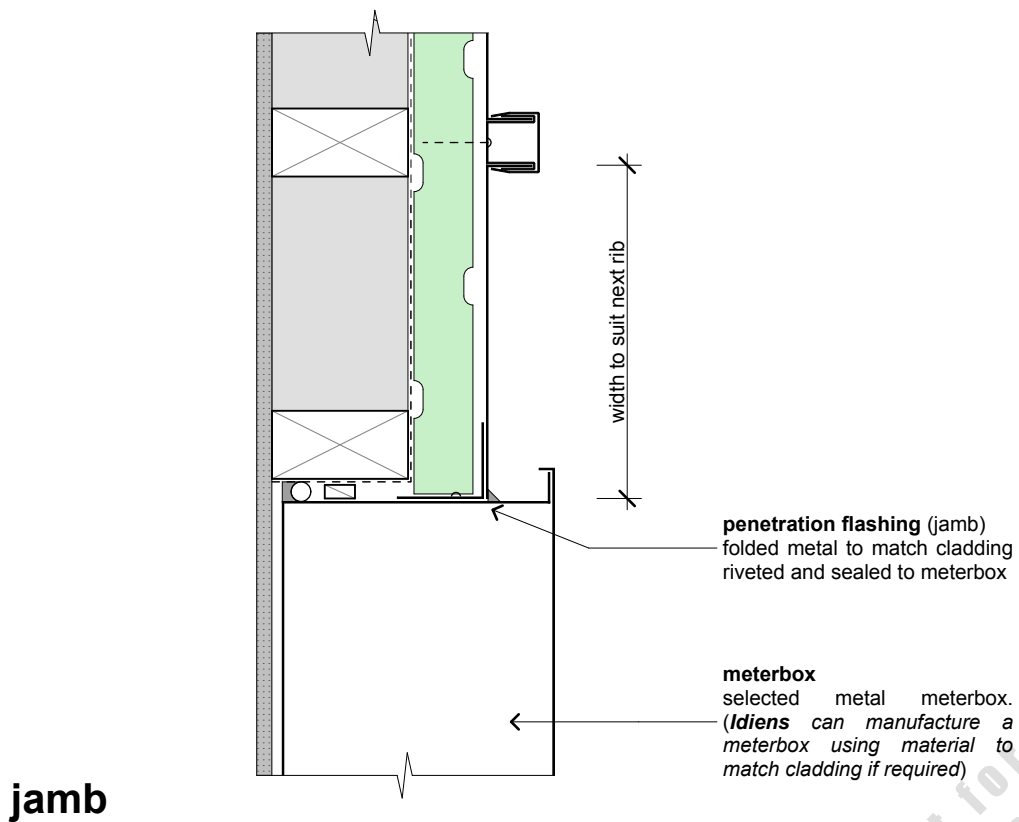
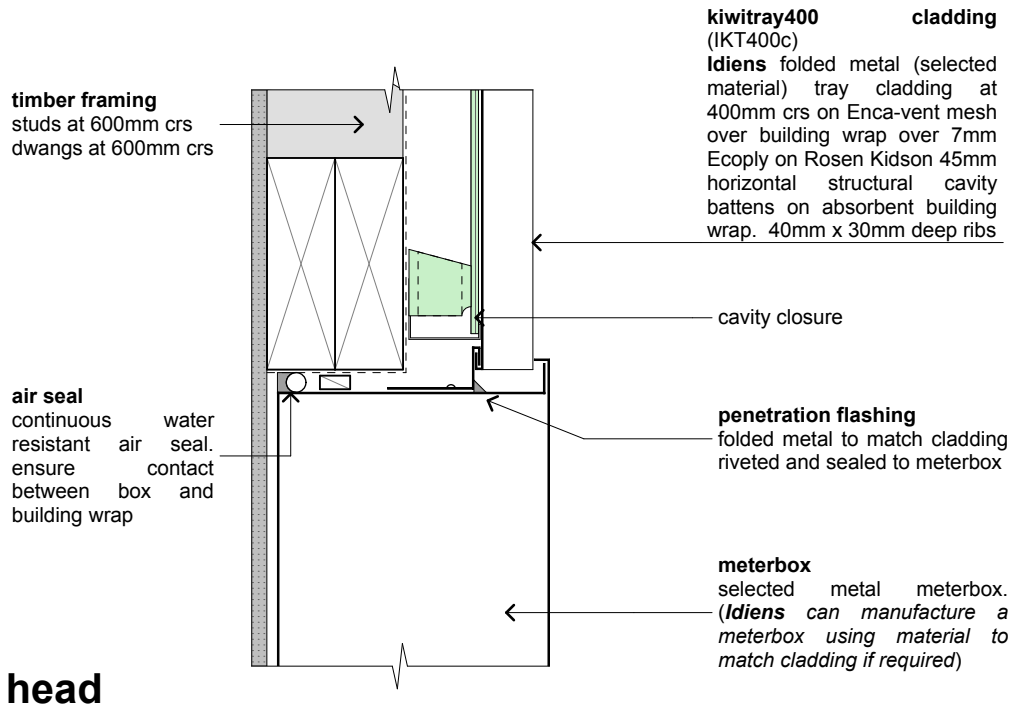


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Design	Idiens Sheetmetal
Scale	1:5
Sheet Number	23

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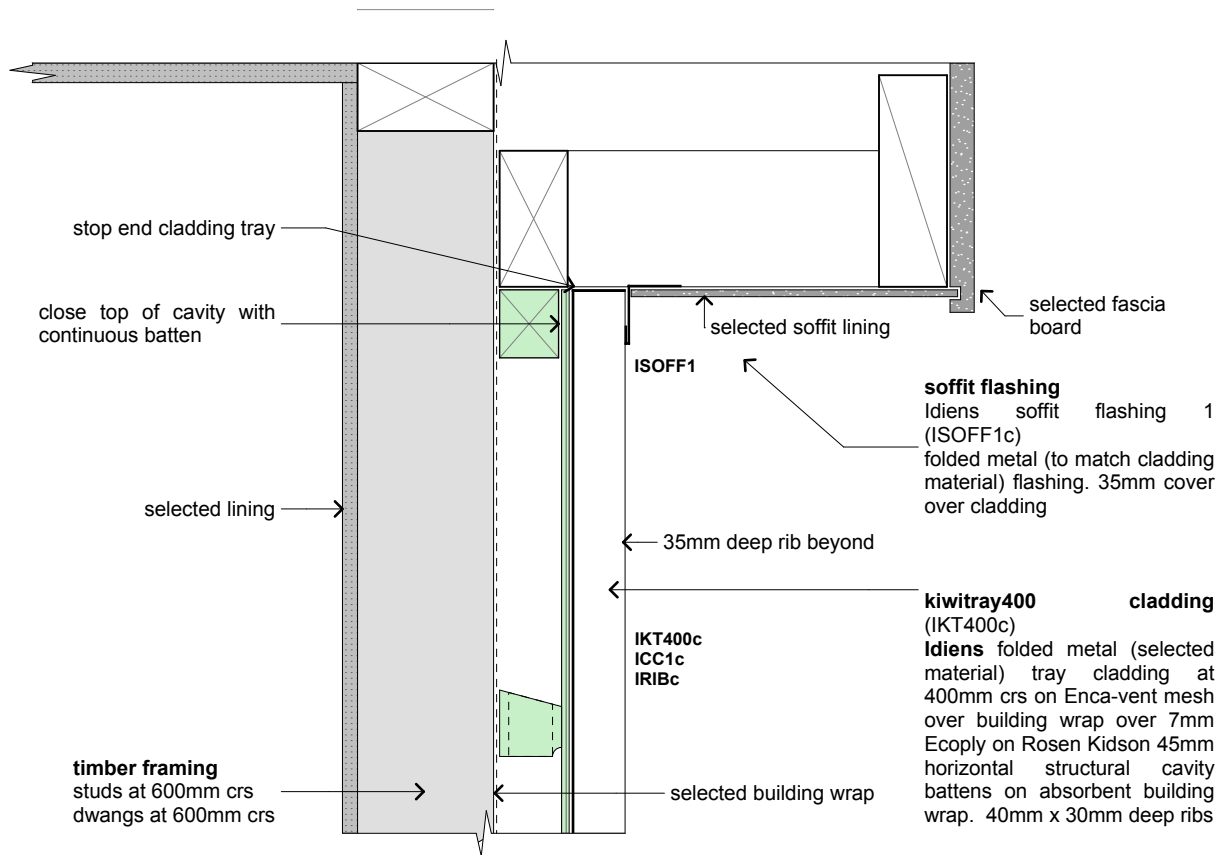
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Design	Idiens Sheetmetal
Scale	1:5
Sheet Number	24

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Original Sheet Size	A4
Design	Idiens Sheetmetal
Scale	1:5
Sheet Number	25