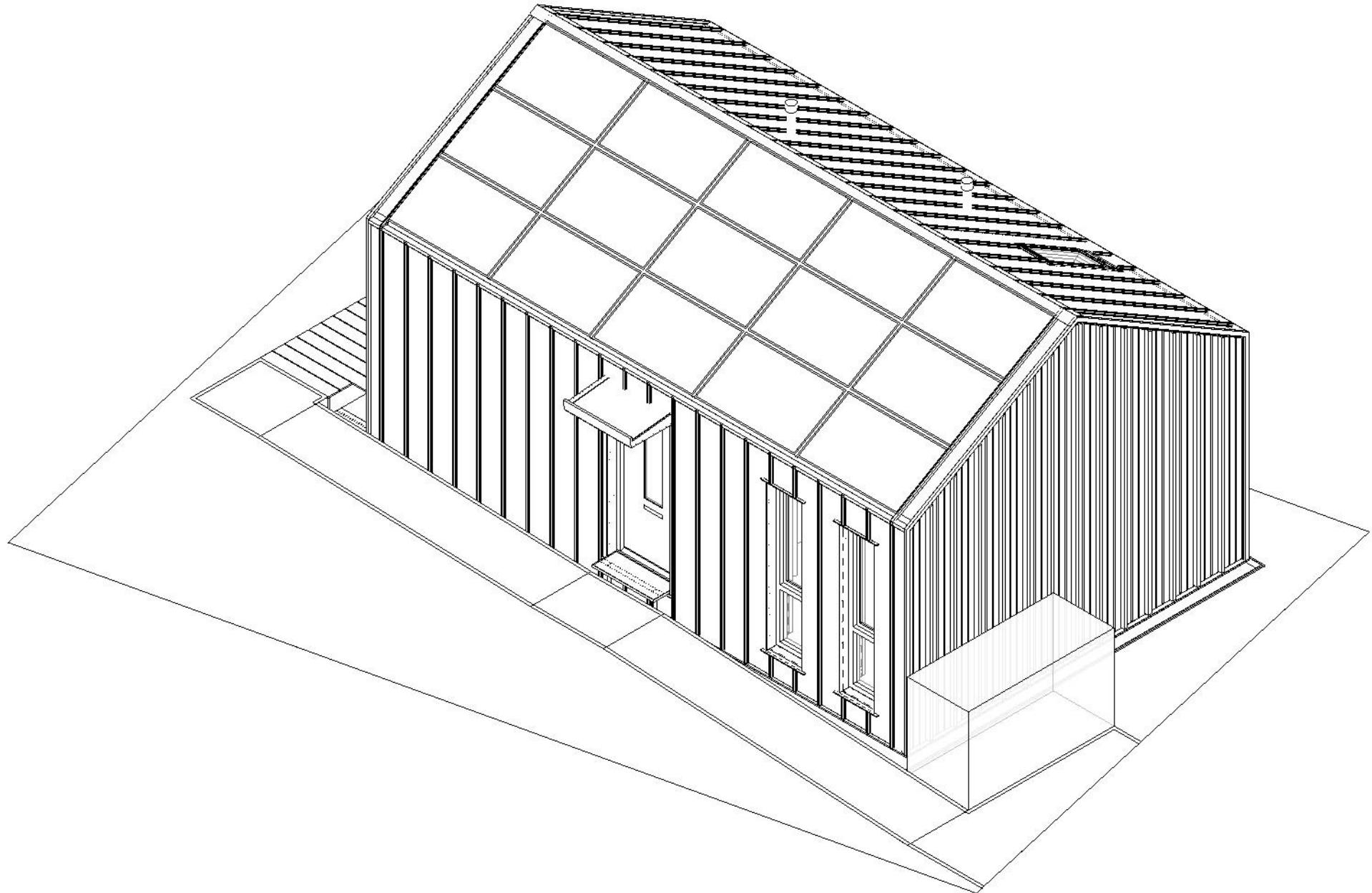


HANDLEIDING CASCO / INSTRUCTION MANUAL CHASSIS

WikiHouse Almere, Pionierswoning, 16-07-2018

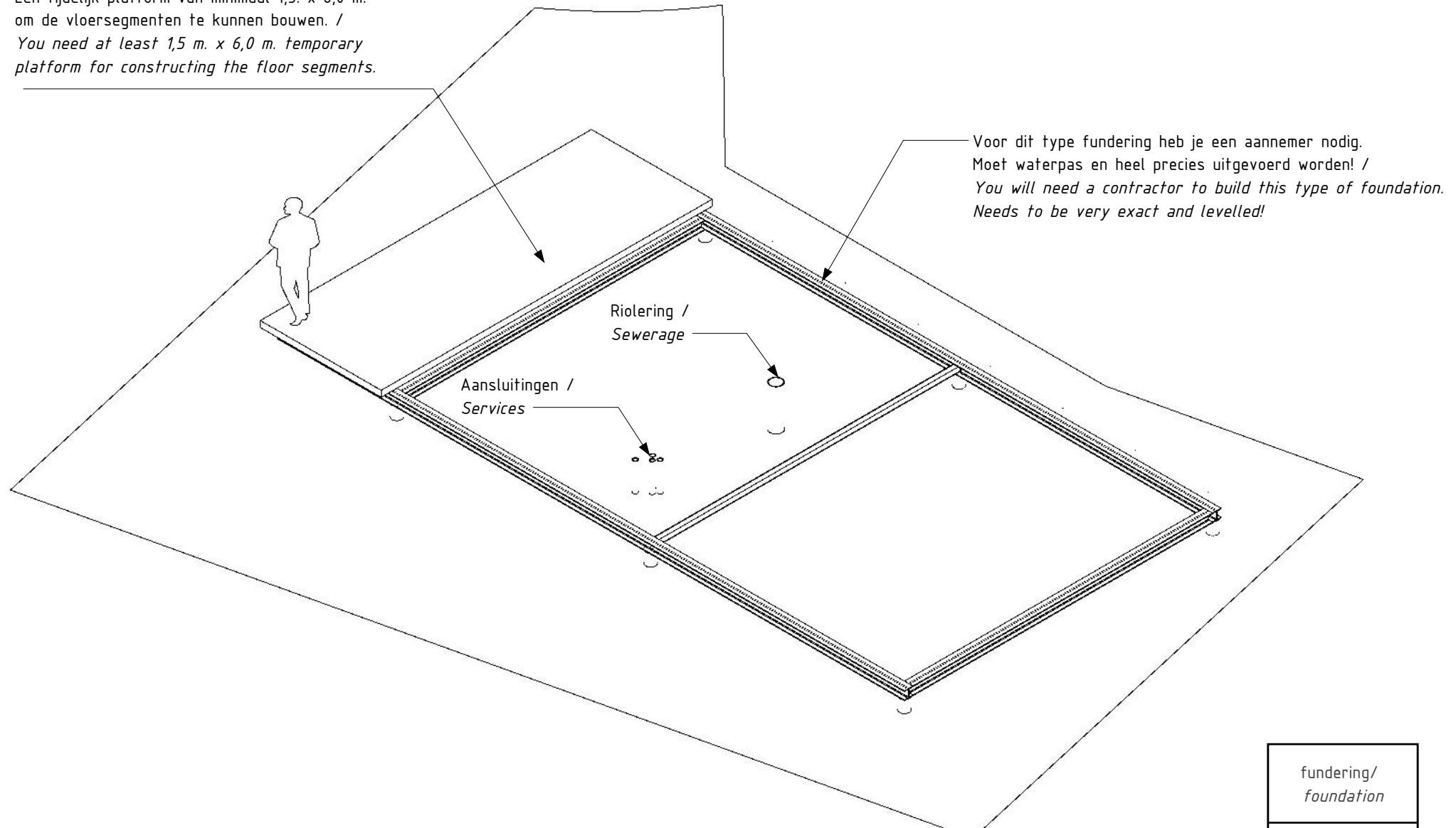
Opdrachtgever & financierder: Woningbouw atelier & GoedeStede

Ontwerp- & bouwteam: WikiHouseNL/ Ontwerpstudio MULLER/ SHR/ Invent/ BOUWscoop/ Trebbe



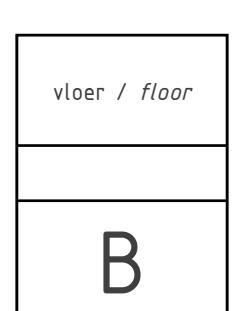
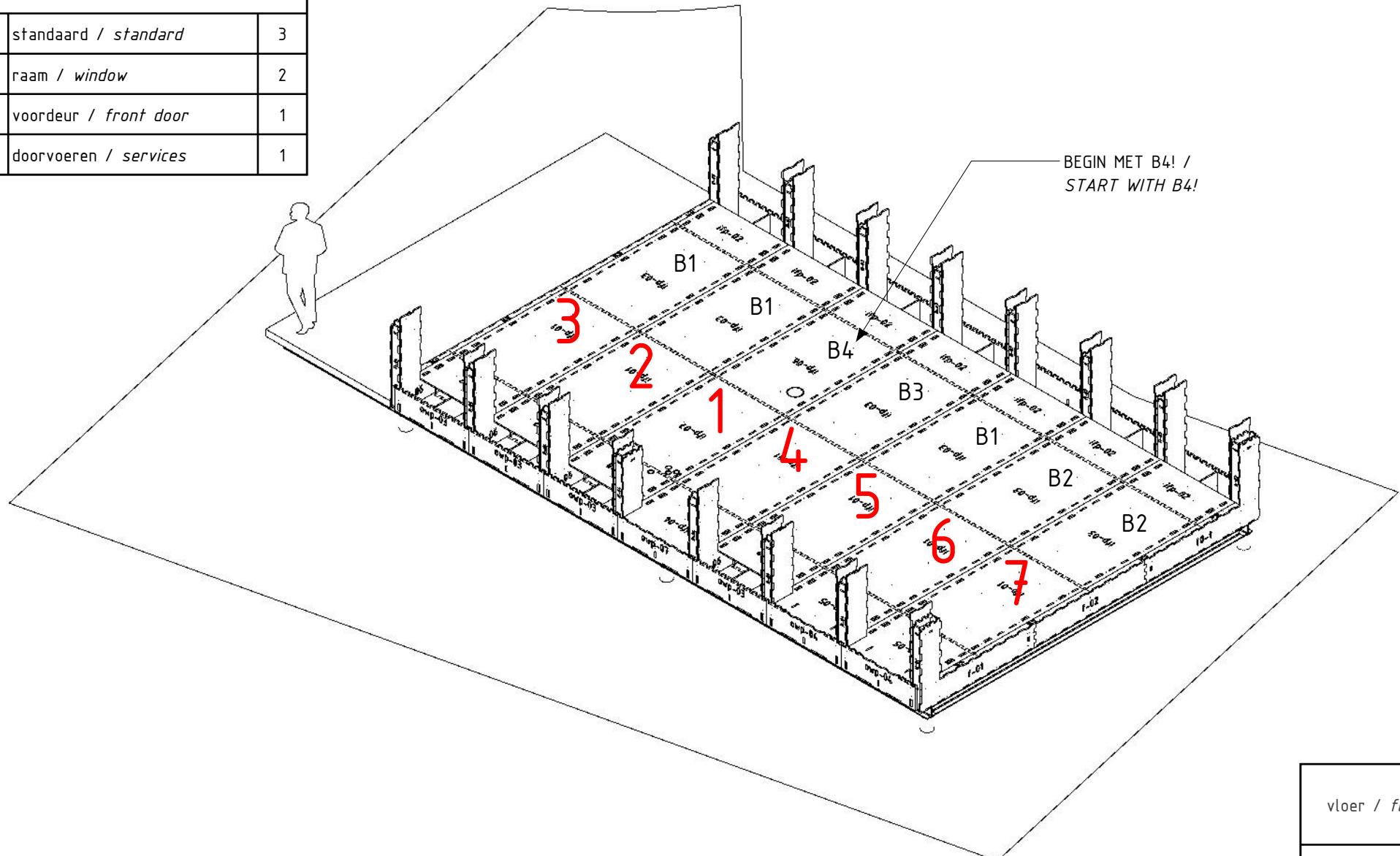
kavel / plot

Een tijdelijk platform van minimaal 1,5. x 6,0 m.
om de vloersegmenten te kunnen bouwen. /
*You need at least 1,5 m. x 6,0 m. temporary
platform for constructing the floor segments.*



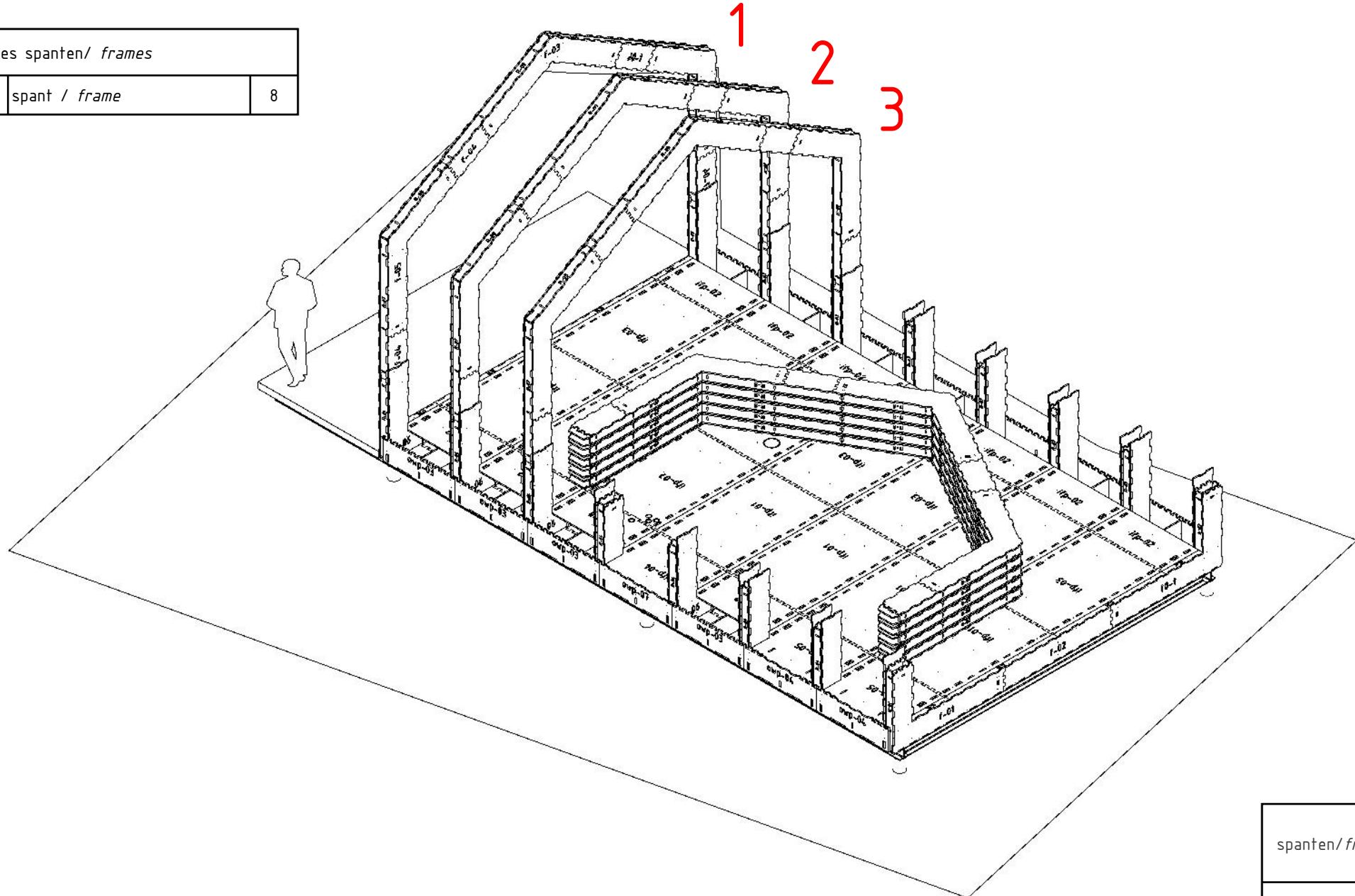
fundering: stalen balken op buispalen / *foundation: steel beams on tube poles*

types vloersegment / floor segment		
B1	standaard / standard	3
B2	raam / window	2
B3	voordeur / front door	1
B4	doorvoeren / services	1



bouwvolgorde 7 geïsoleerde vloersegmenten & waterkerende folie /
constructing order 7 insulated floor segments & moisturizing foil

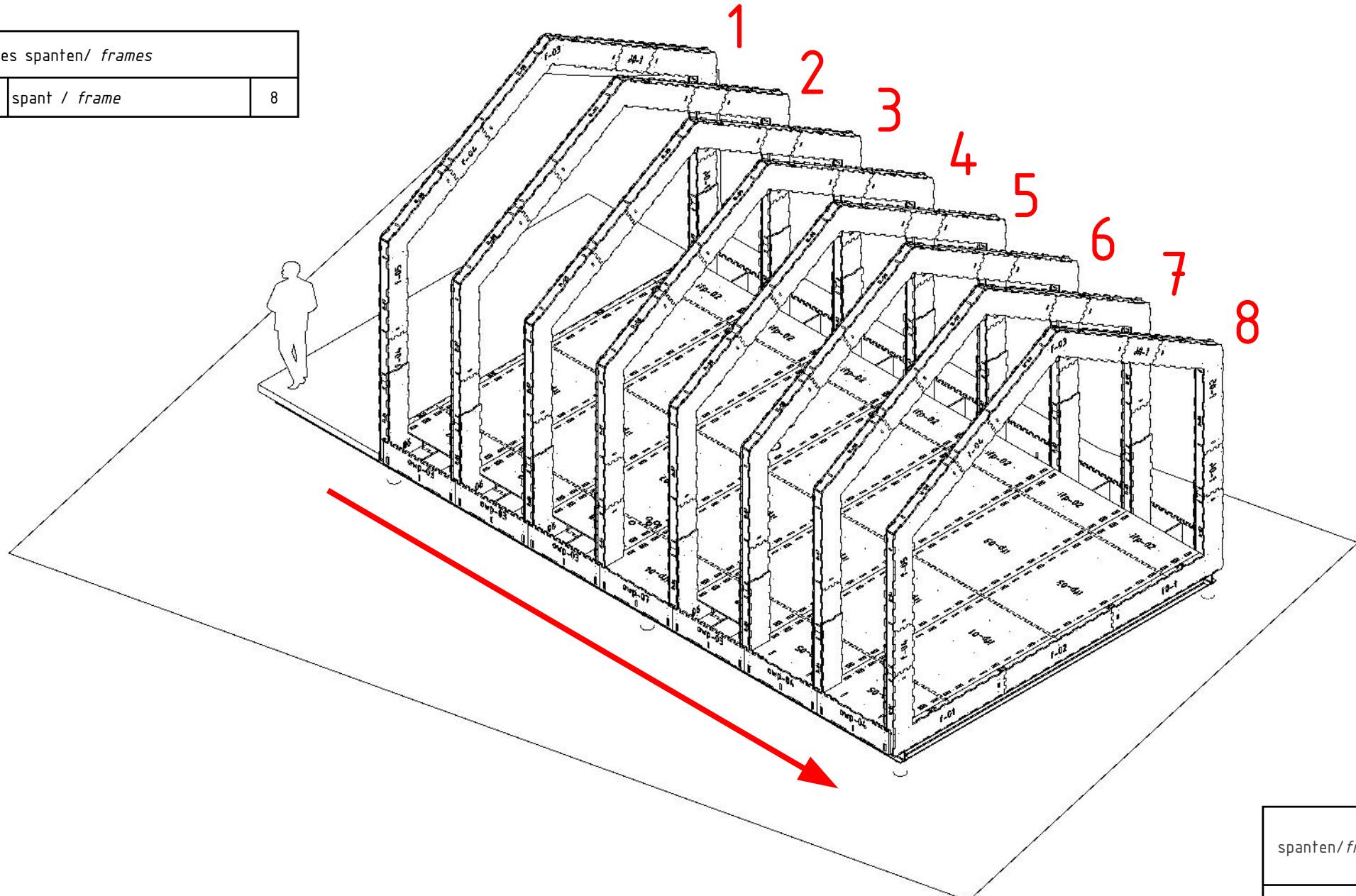
types spanten/ frames		
C	spant / frame	8



spanten/ frames

8 geïsoleerde spanten / 8 insulated frames

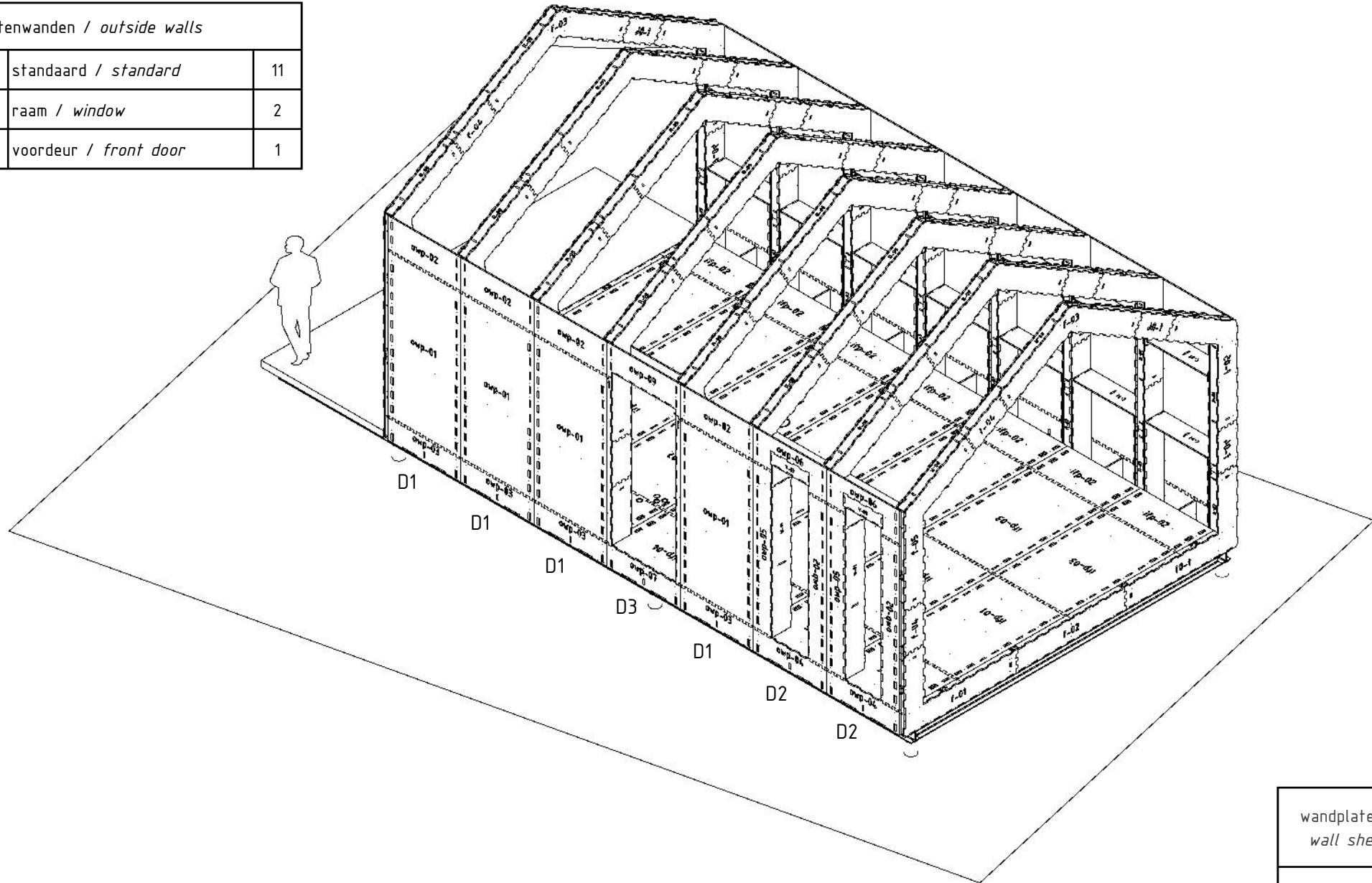
types spanten/ frames		
C	spant / frame	8



8 geïsoleerde spanten / 8 insulated frames

spanten/ frames

buitenwanden / outside walls		
D1	standaard / standard	11
D2	raam / window	2
D3	voordeur / front door	1

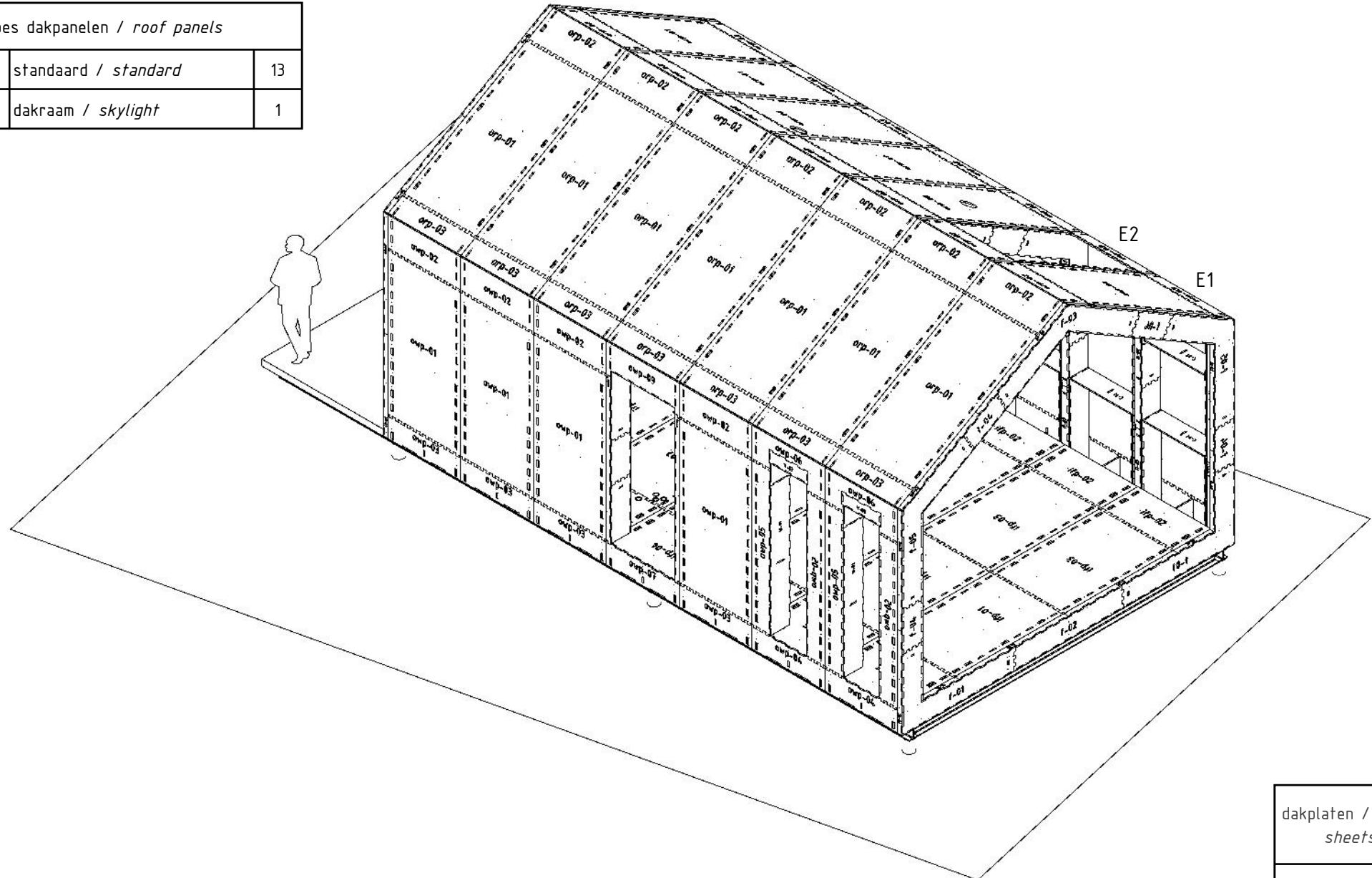


wandplaten /
wall sheets

D

gevelplaten buitenkant & connectoren / wall sheets outside & connectors

types dakpanelen / roof panels		
E1	standaard / standard	13
E2	dakraam / skylight	1

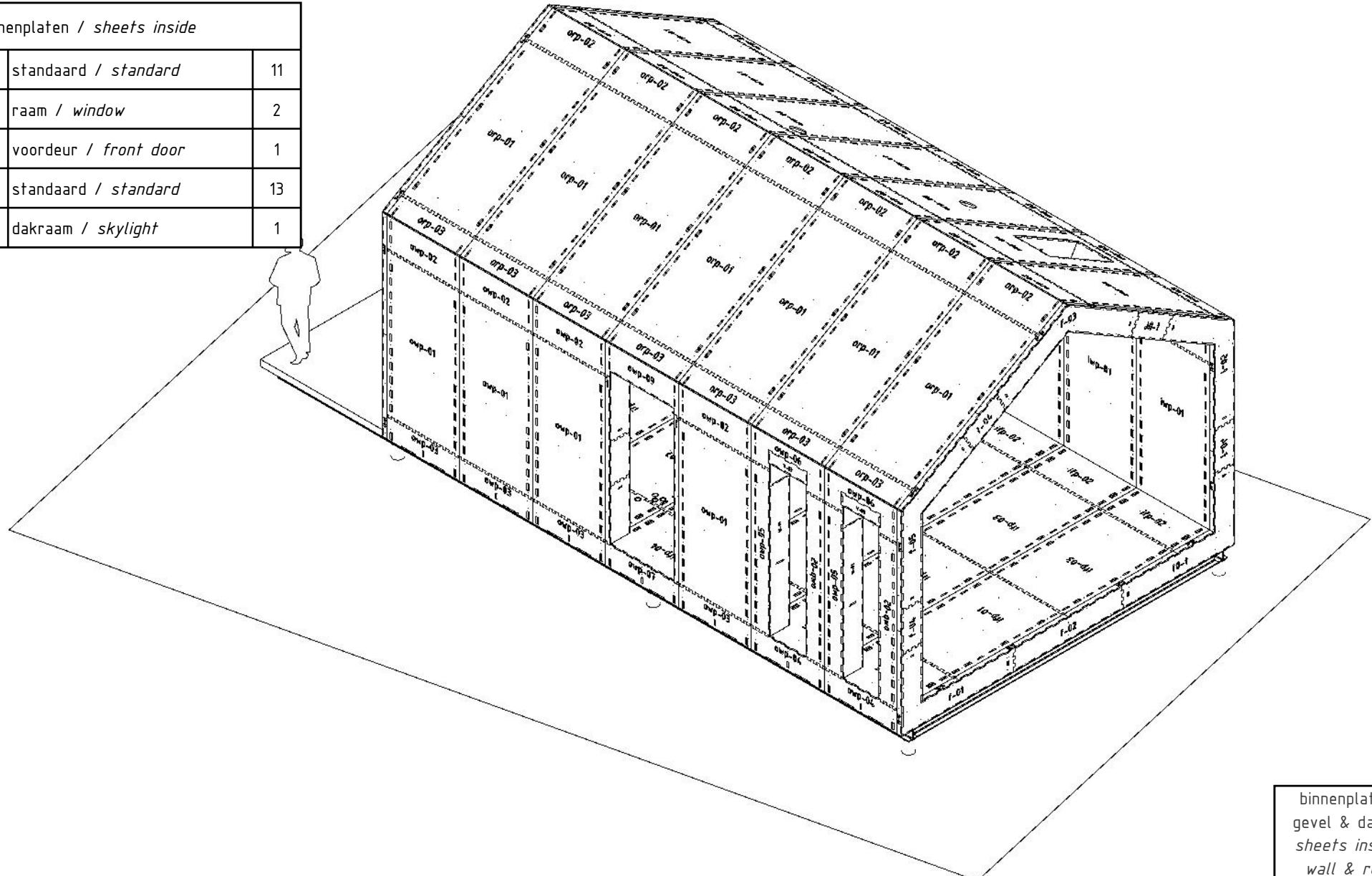


dakplaten / roof
sheets

E

dakplaten buitenzijde / roof sheets outside

binnenplaten / sheets inside		
D1	standaard / standard	11
D2	raam / window	2
D3	voordeur / front door	1
E1	standaard / standard	13
E2	dakraam / skylight	1

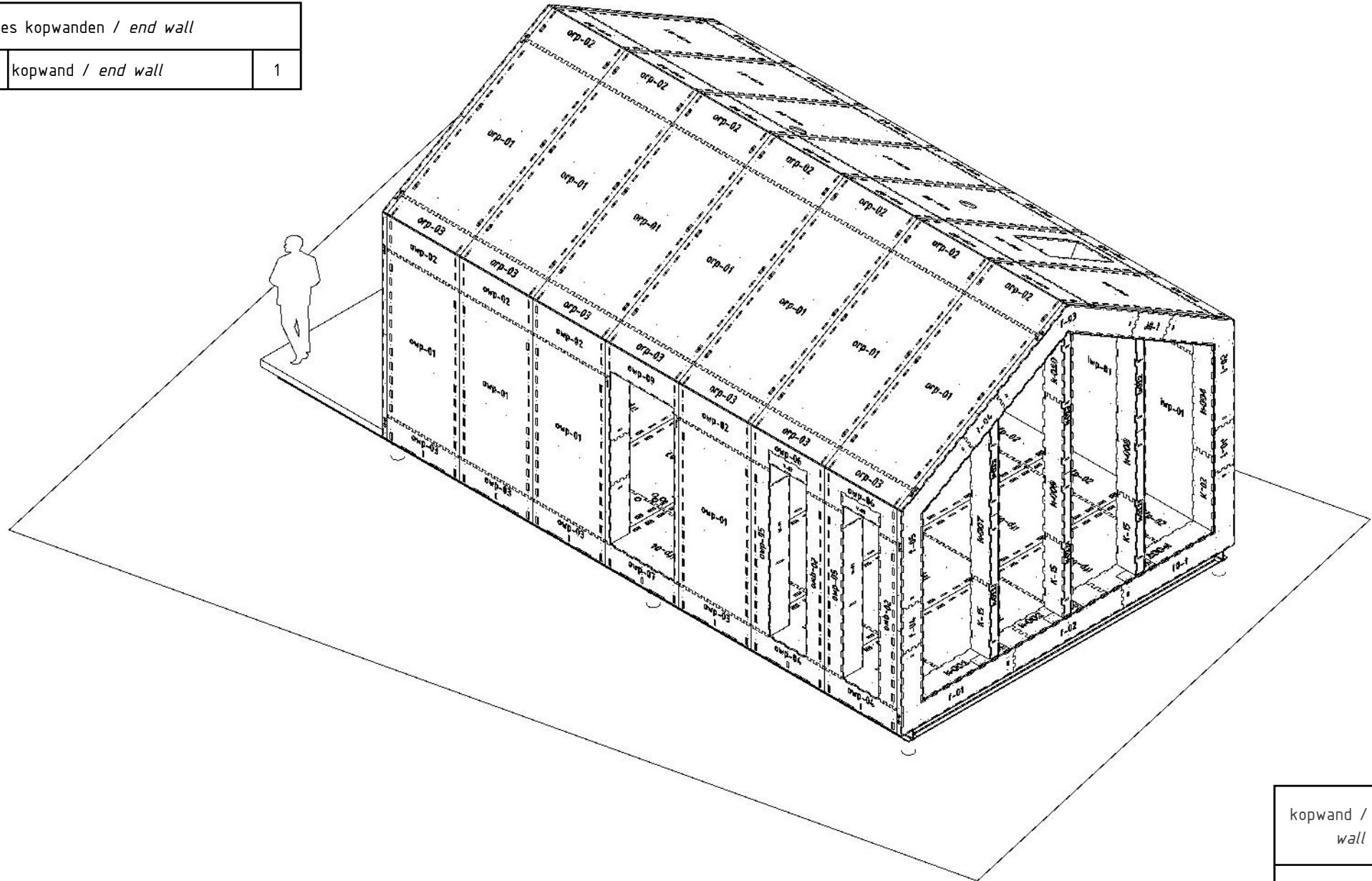


binnenplaten
gevel & dak /
sheets inside
wall & roof

D/E

binnengevel- & binnendakplaten, connectoren & isolatie /
inside wall & roof sheets, connectors & insulation

types kopwanden / end wall		
F	kopwand / end wall	1

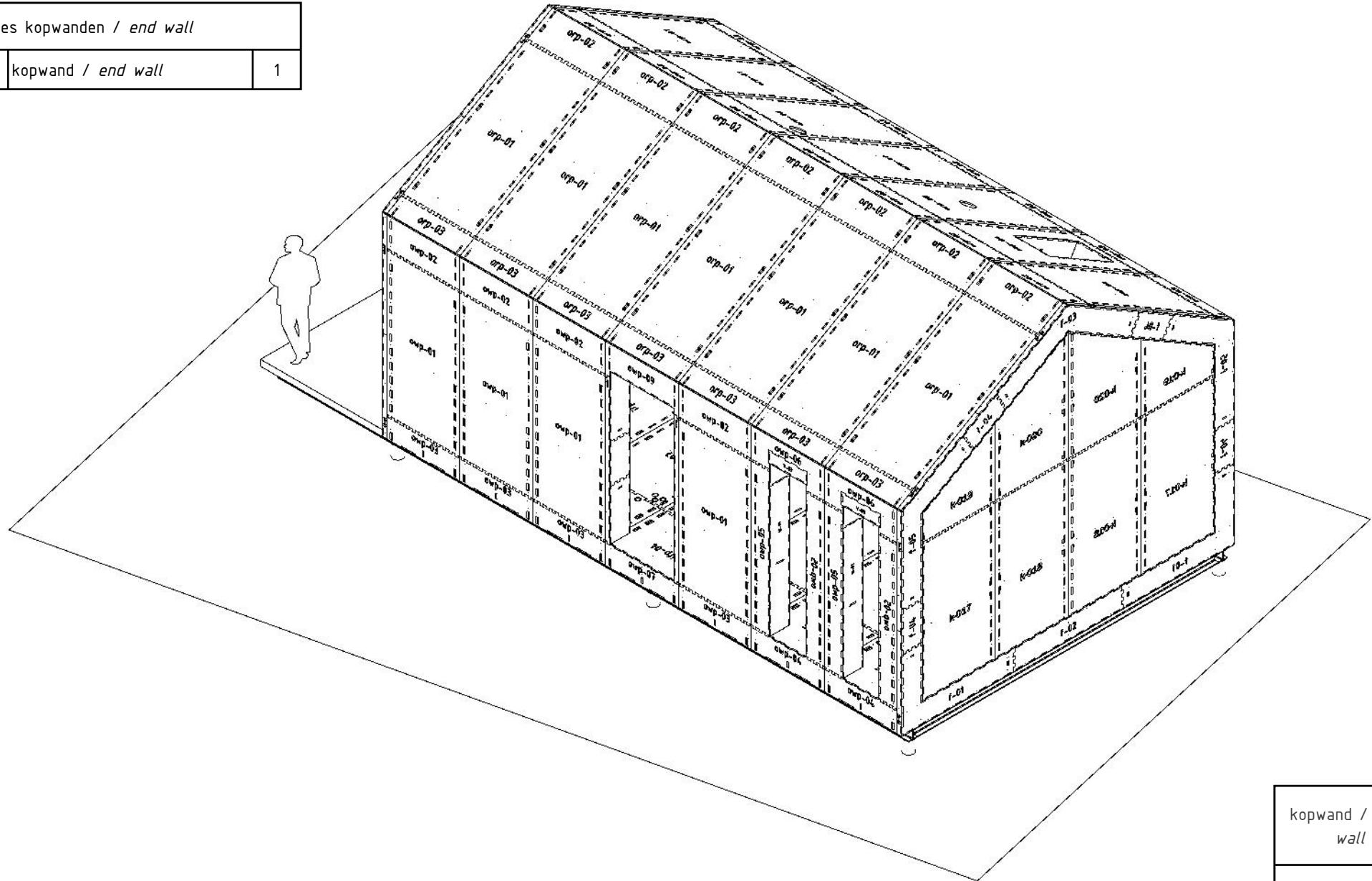


kopwand / end
wall

F

frame kopwand / frame end wall

types kopwanden / end wall		
F	kopwand / end wall	1



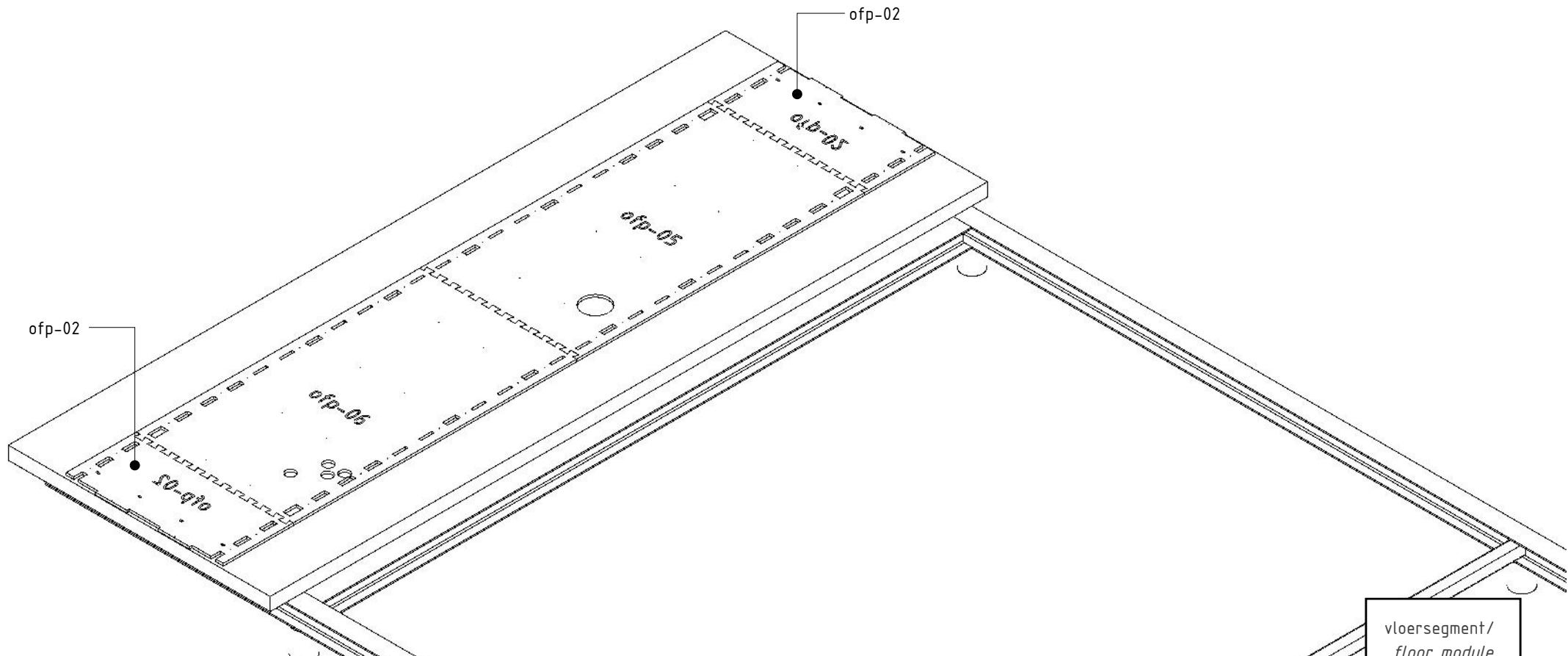
kopwand / end wall

F

connectoren, isolatie + binnen- & buitenpanelen / connectors, insulation + inside & outside sheets

onderdelen/parts	
ofp-02	2
ofp-05	1
ofp-06	1

schroeven/screws	
30x4	X
50x4	X

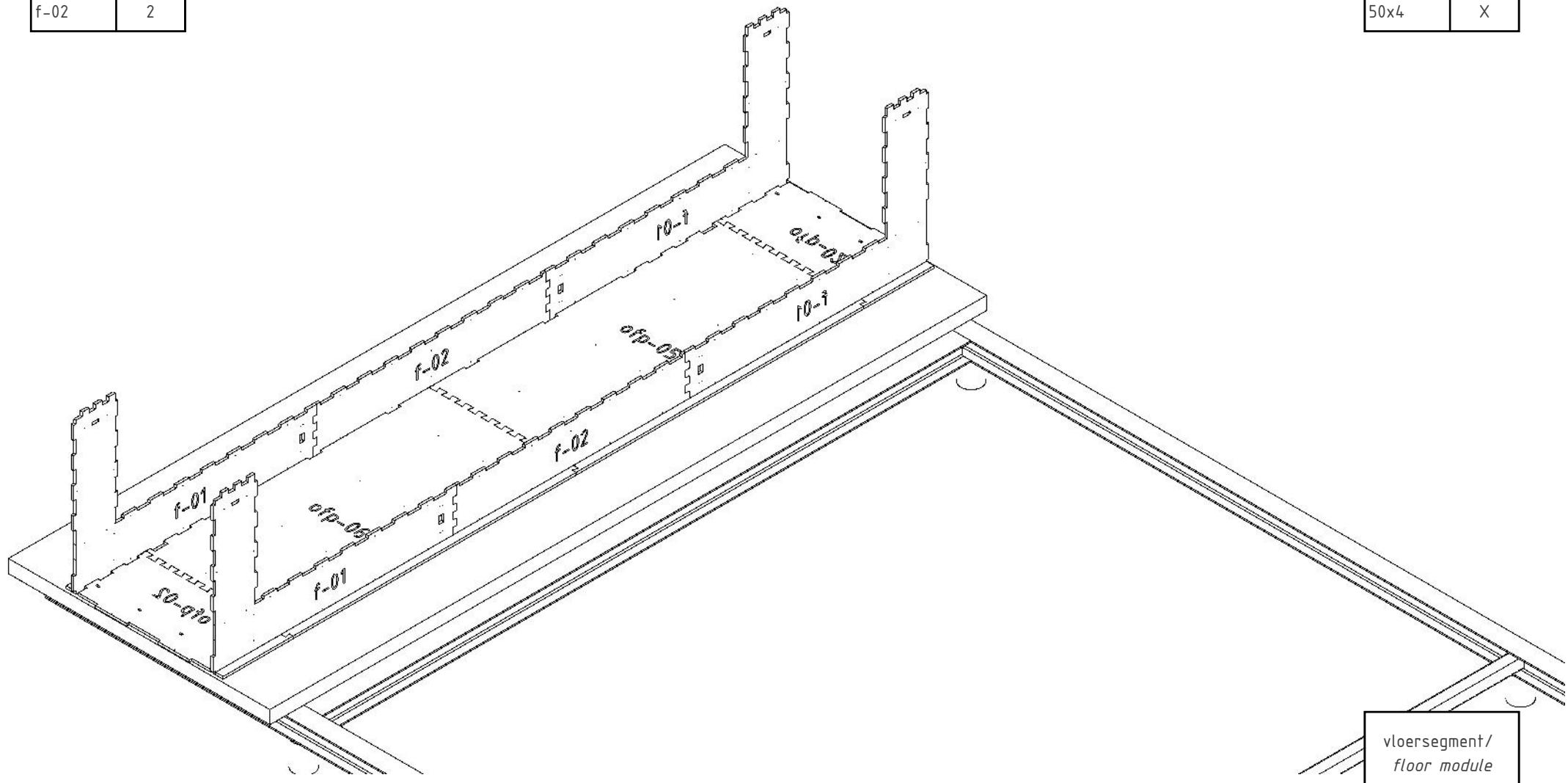


vloerplaten onder, met sparingen leidingwerk / outer floor panels, holes for services

vloersegment/ floor module
type:
B4

onderdelen/parts	
f-01	4
f-02	2

schroeven/screws	
30x4	X
50x4	X

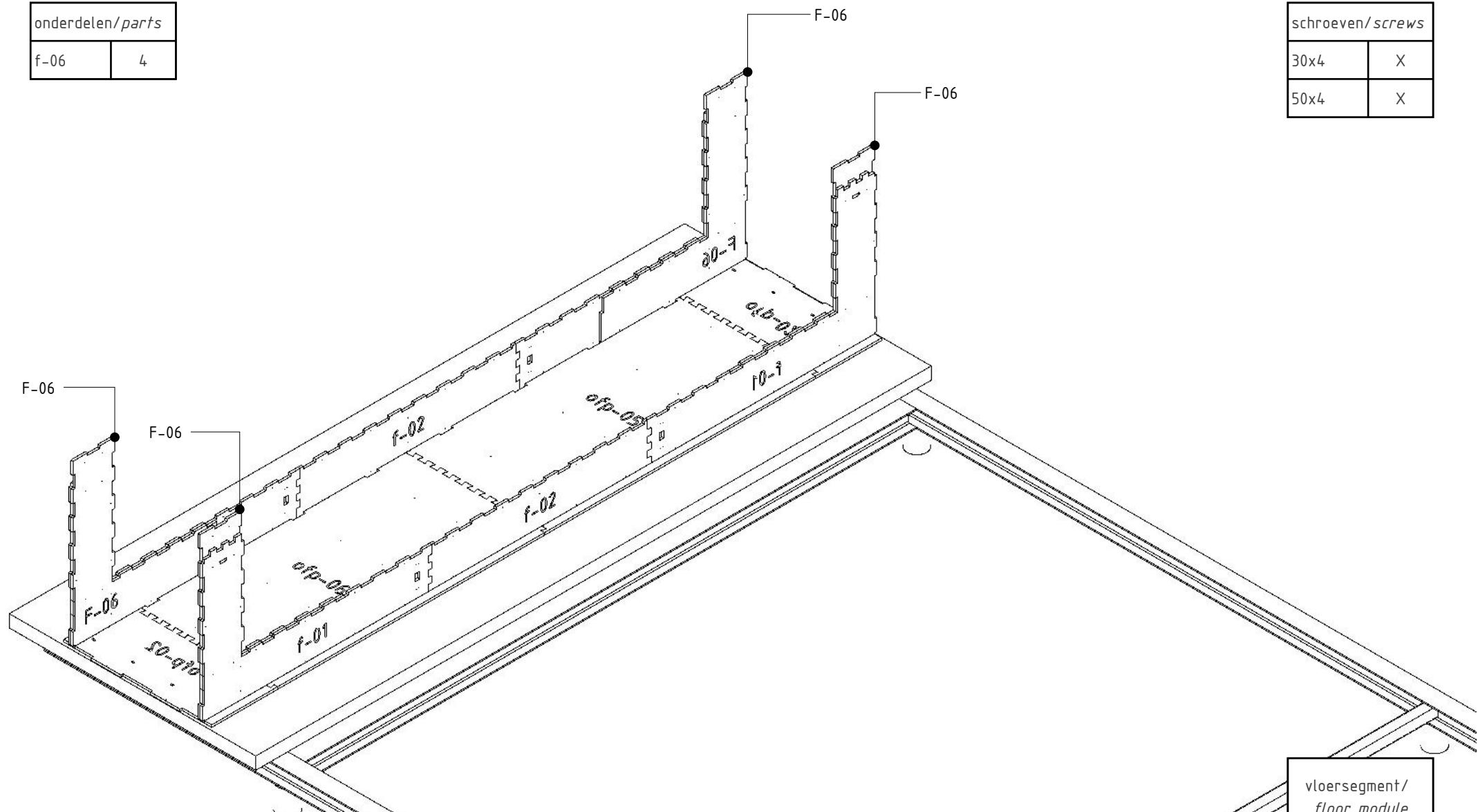


plaats de framestukken/ place the frame pieces

vloersegment/ floor module
type:
B4

onderdelen/parts	
f-06	4

schroeven/screws	
30x4	X
50x4	X



vloersegment/
floor module

type:

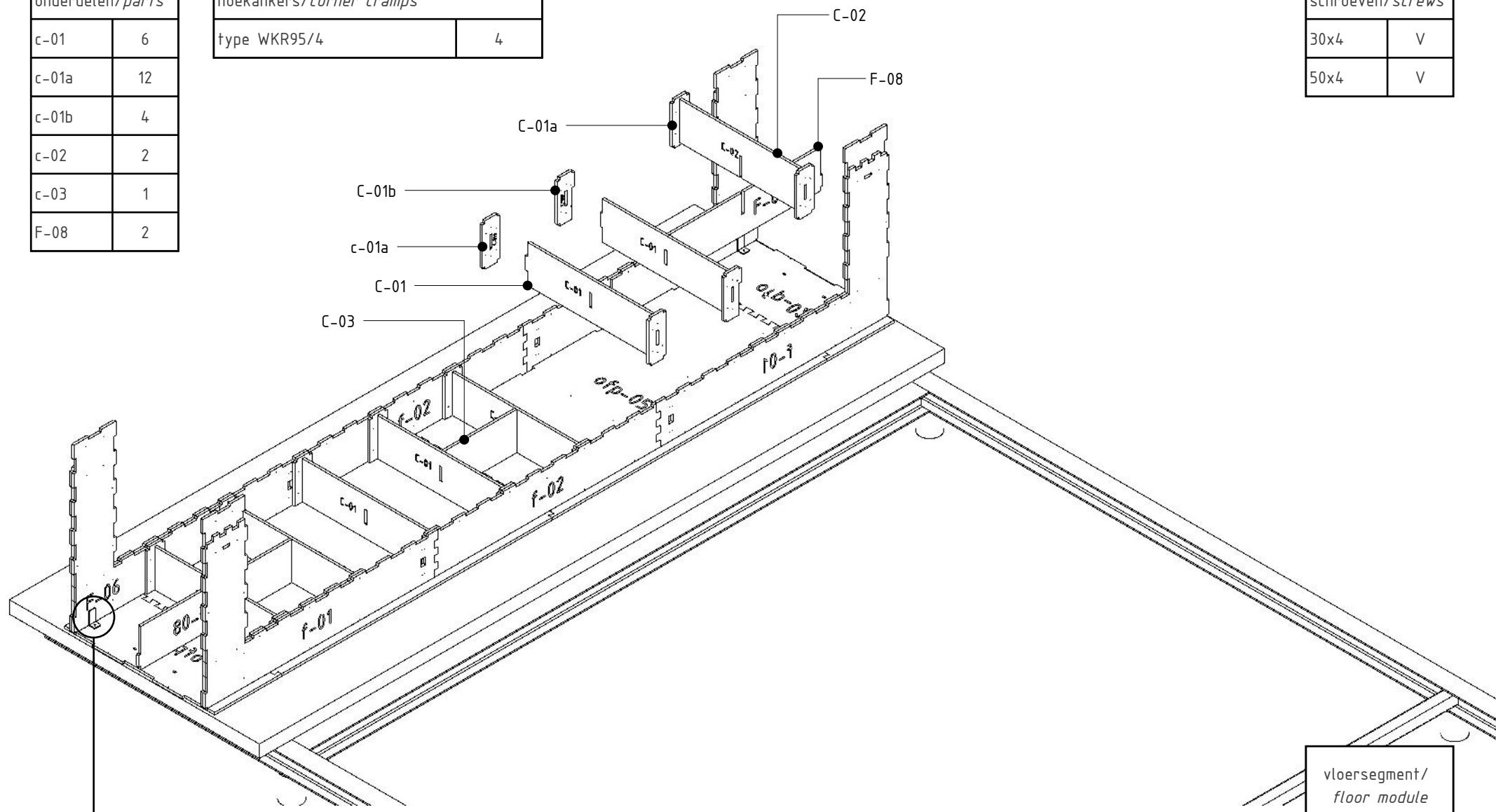
B4

plaats de hoekversterkingen aan de binnenzijde van de framestukken /
place the reinforcement pieces at the inside corners of the frame pieces

onderdelen/parts	
c-01	6
c-01a	12
c-01b	4
c-02	2
c-03	1
F-08	2

hoekankers/corner cramps	
type WKR95/4	4

schroeven/screws	
30x4	V
50x4	V

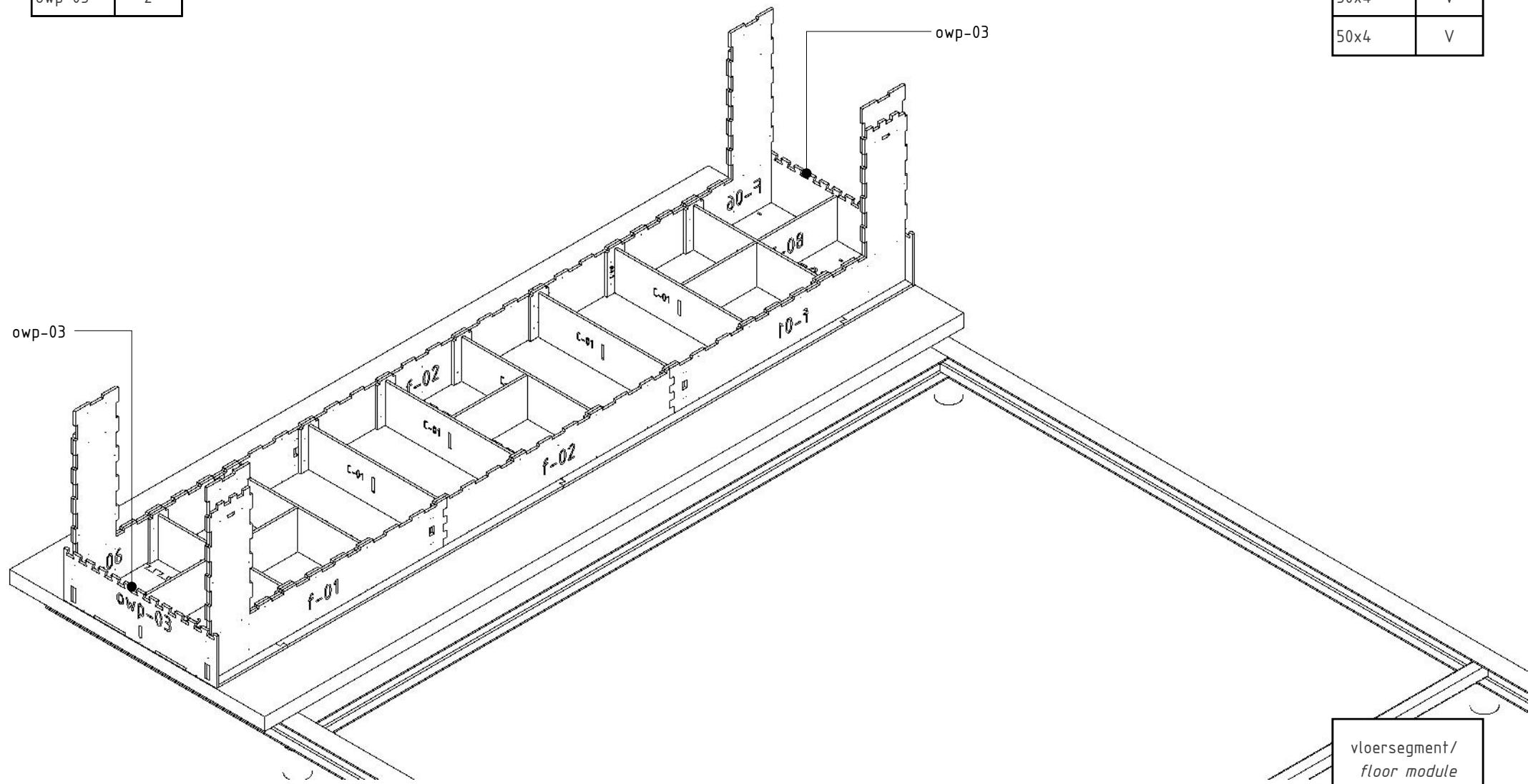


dwarsverbindingen [connectoren], extra ondersteuning vloerrand [F-08] & stalen hoekankers /
connectors, extra support floor edge [F-08] & steel corner cramps

vloersegment/
floor module
type:
B4

onderdelen/parts	
owp-03	2

schroeven/screws	
30x4	V
50x4	V



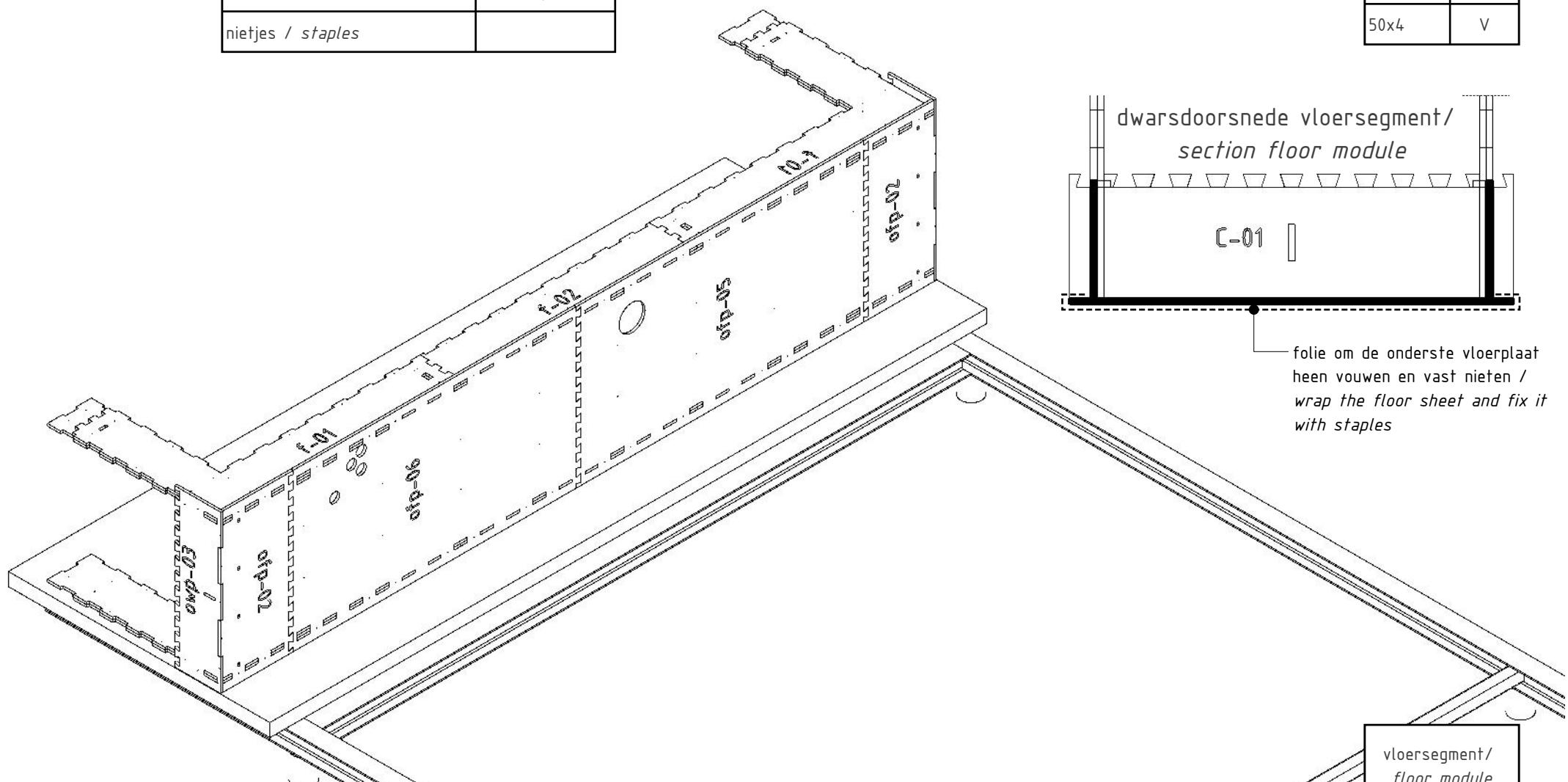
passtuk buitenpaneel beide kanten/ *outer wall piece both sides*

vloersegment/ floor module
type:
B4

onderdelen / parts

waterkerende folie / moisturizing-proof foil	
folie / foil	ca 7,5 m ²
nietjes / staples	

schroeven/screws	
30x4	V
50x4	V



vloersegment/ floor module
type:
B4

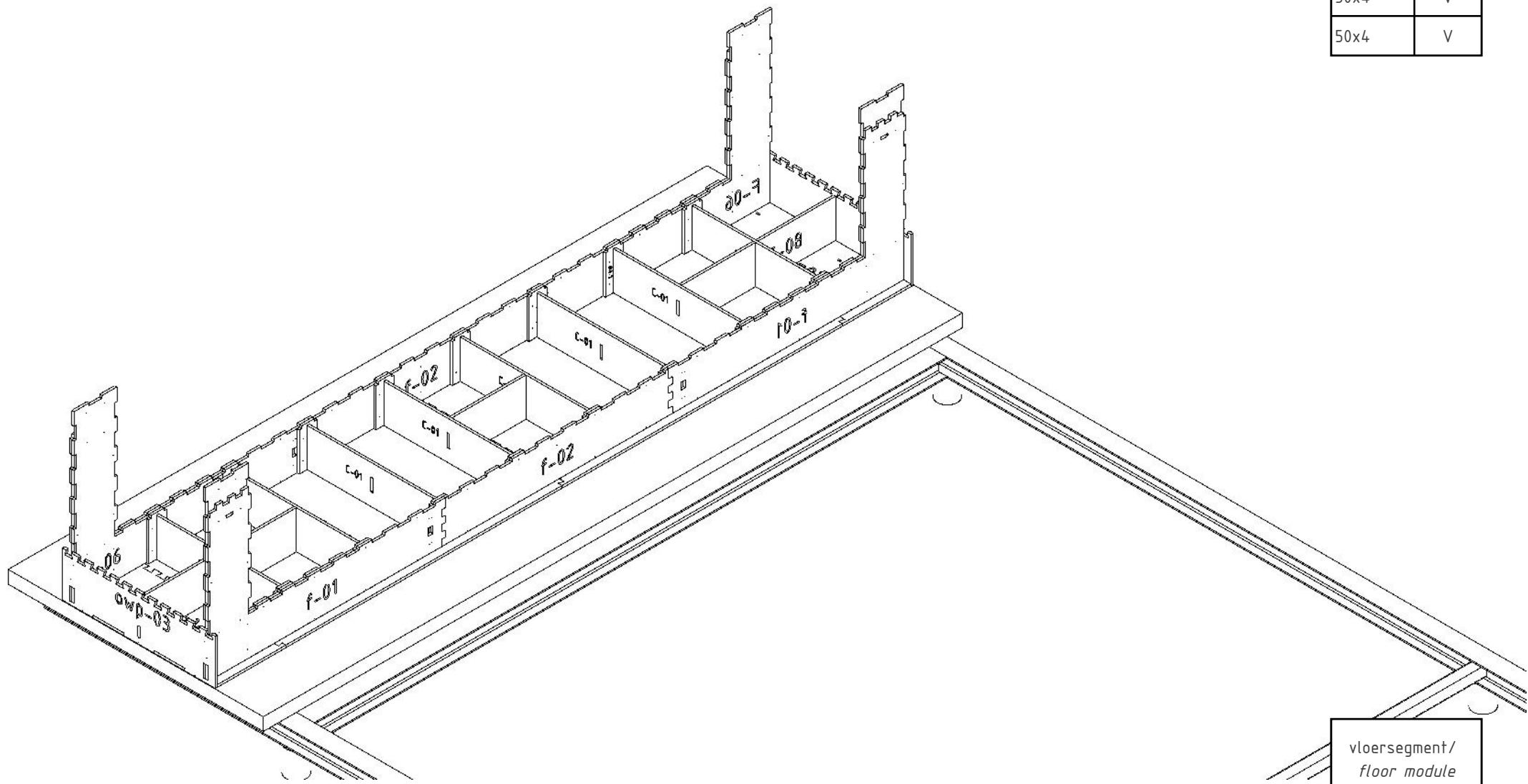
onderdelen / parts

check schroeven! / check screws!

schroeven/screws

30x4	V
------	---

50x4	V
------	---

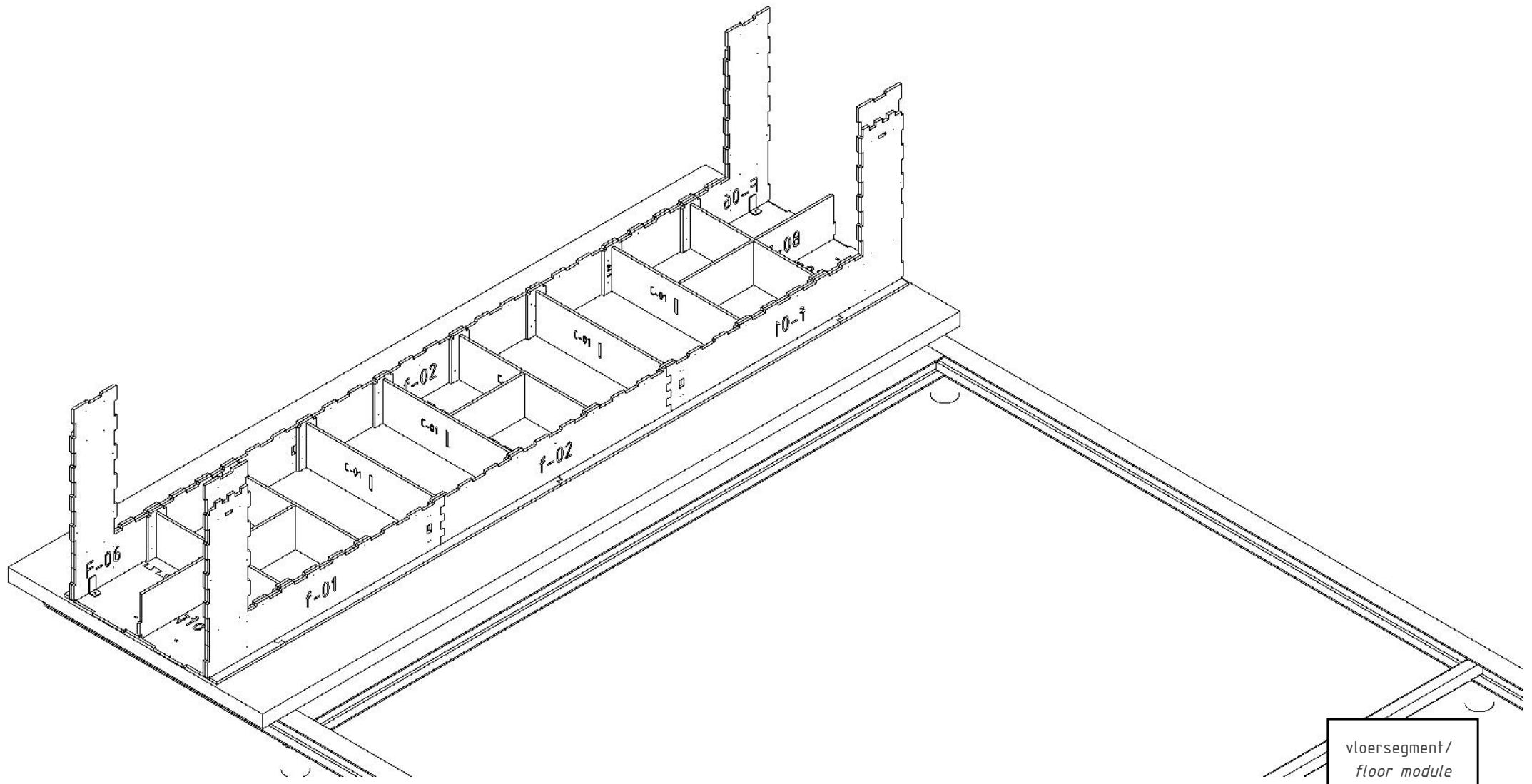


vloersegment/
floor module

type:

B4

check vloersegment / check floor module



vloersegment/
floor module

type:

B4

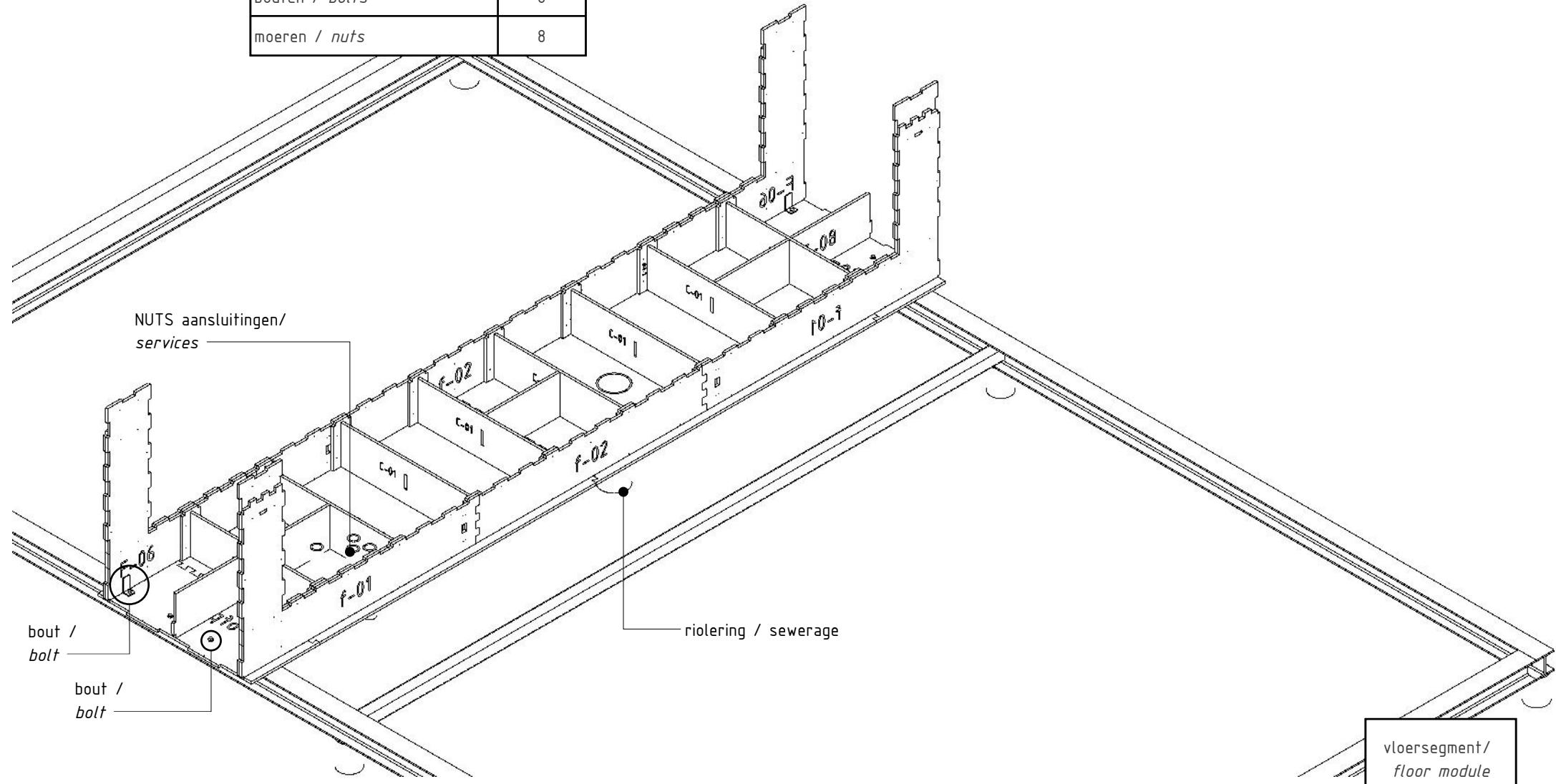
demonteer passtuk buitenpaneel beide kanten, klaar om te plaatsen op de fundering /
unscrew outer wall piece both sides, now ready to position on foundation

onderdelen / parts

hoekankers / corner cramps

bouten / bolts	8
moeren / nuts	8

BELANGRIJK! / IMPORTANT! exacte positie / exact position



vloersegment/
floor module

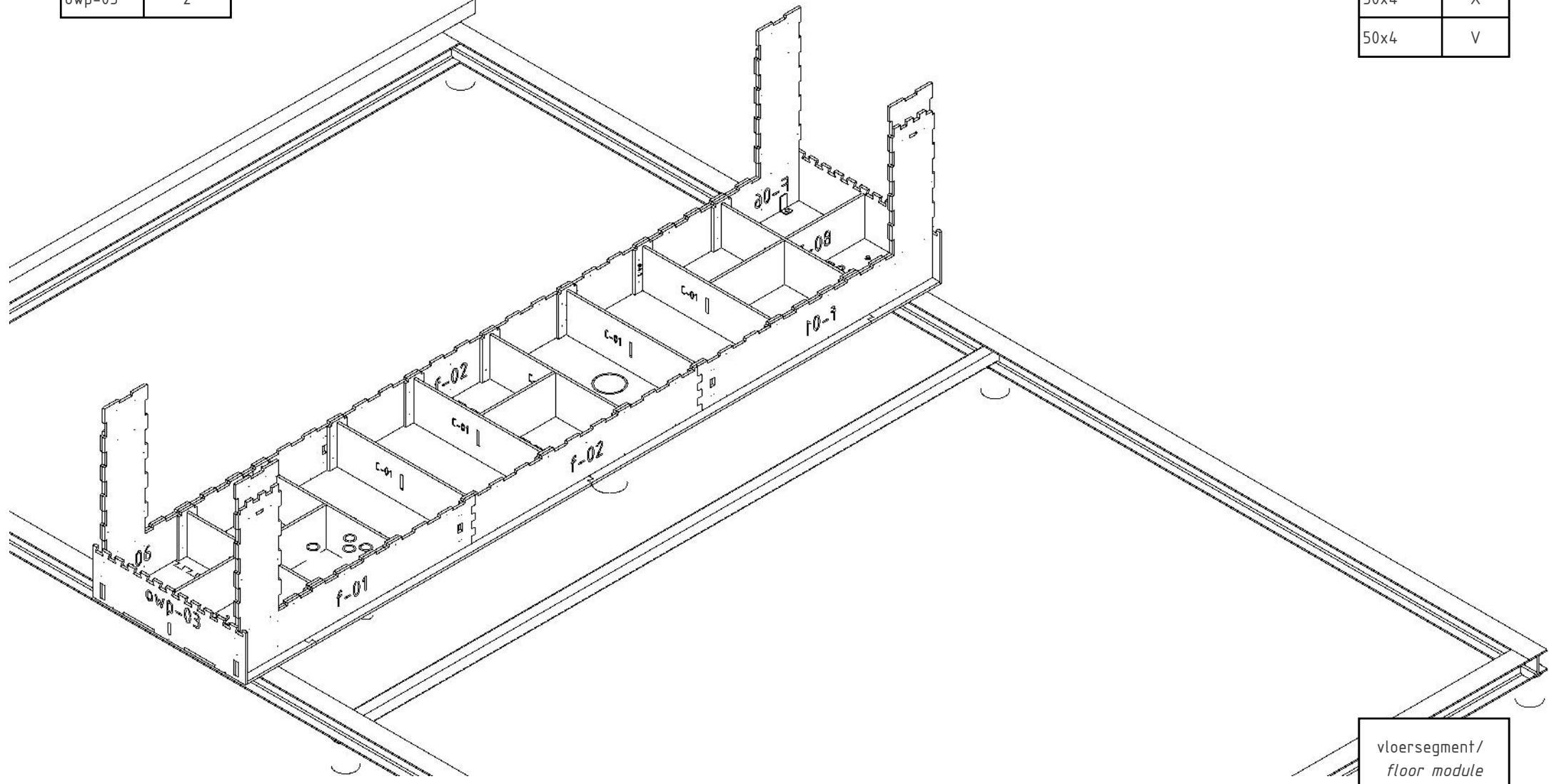
type:

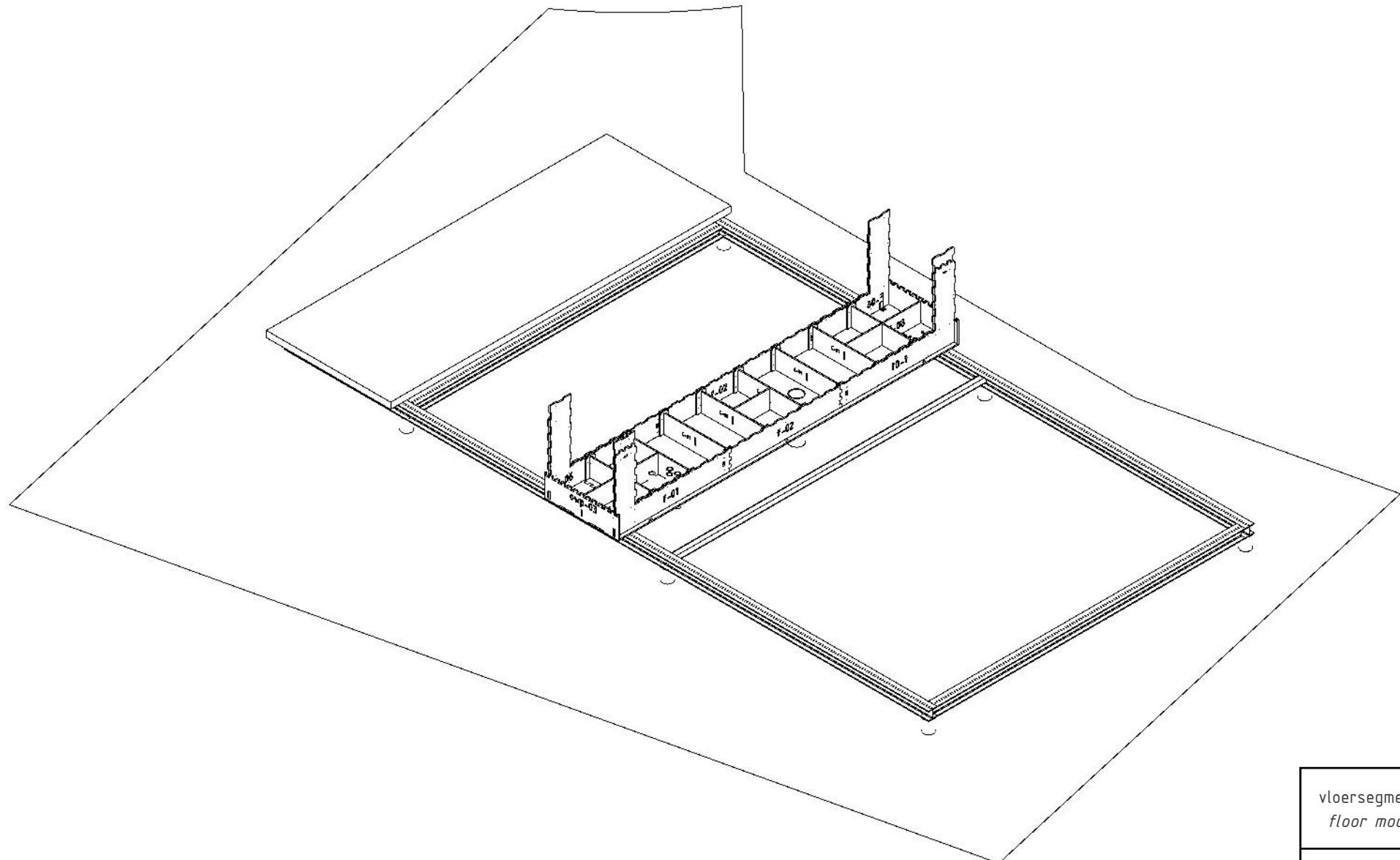
B4

mantelbuizen doorvoeren & vastbouwen [4 elke kant] op de fundering /
fit the service pipes & fixate floor module with bolts [4 both sides]

onderdelen / parts	
owp-03	2

schroeven/ screws	
30x4	X
50x4	V





vloersegment/
floor module

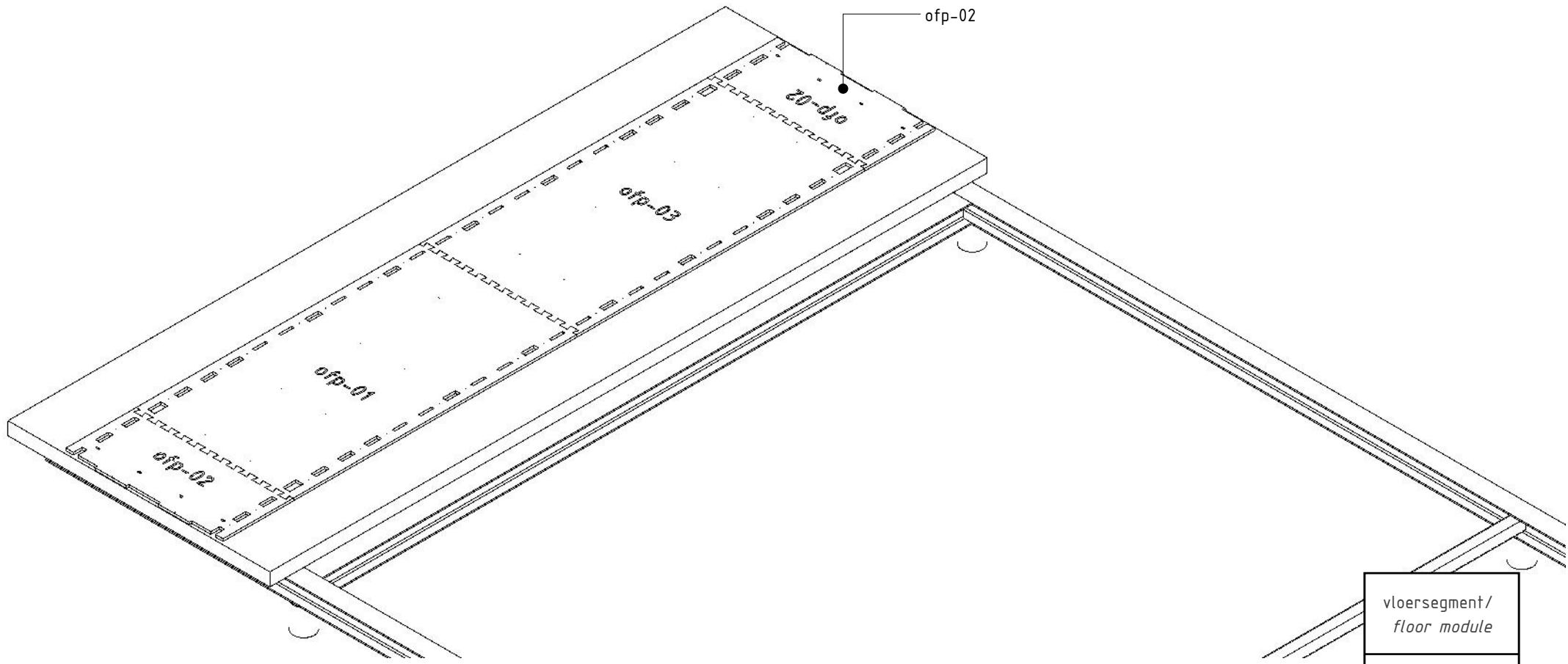
type:

B4

check positie nogmaals, klaar voor volgend vloersegment /
check position again, ready for next floor module

onderdelen/parts	
ofp-01	1
ofp-02	2
ofp-03	1

schroeven/screws	
30x4	X
50x4	X

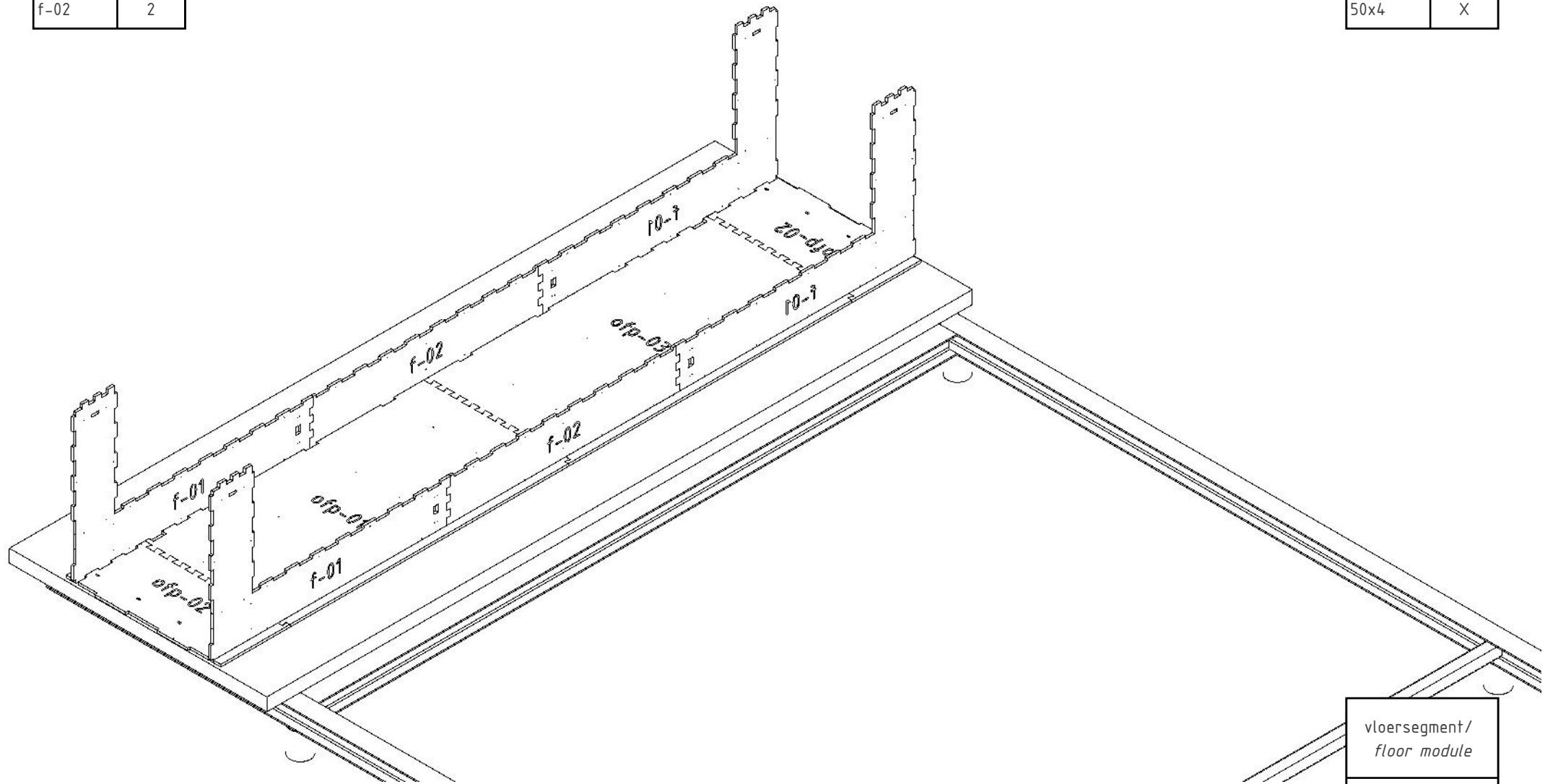


basis vloersegment, vloerplaten onder / basic floor module, bottom sheets

vloersegment/ floor module
type
B1

onderdelen / <i>parts</i>	
f-01	4
f-02	2

schroeven / screws	
30x4	X
50x4	X



plaats de framestukken/ *place the frame pieces*



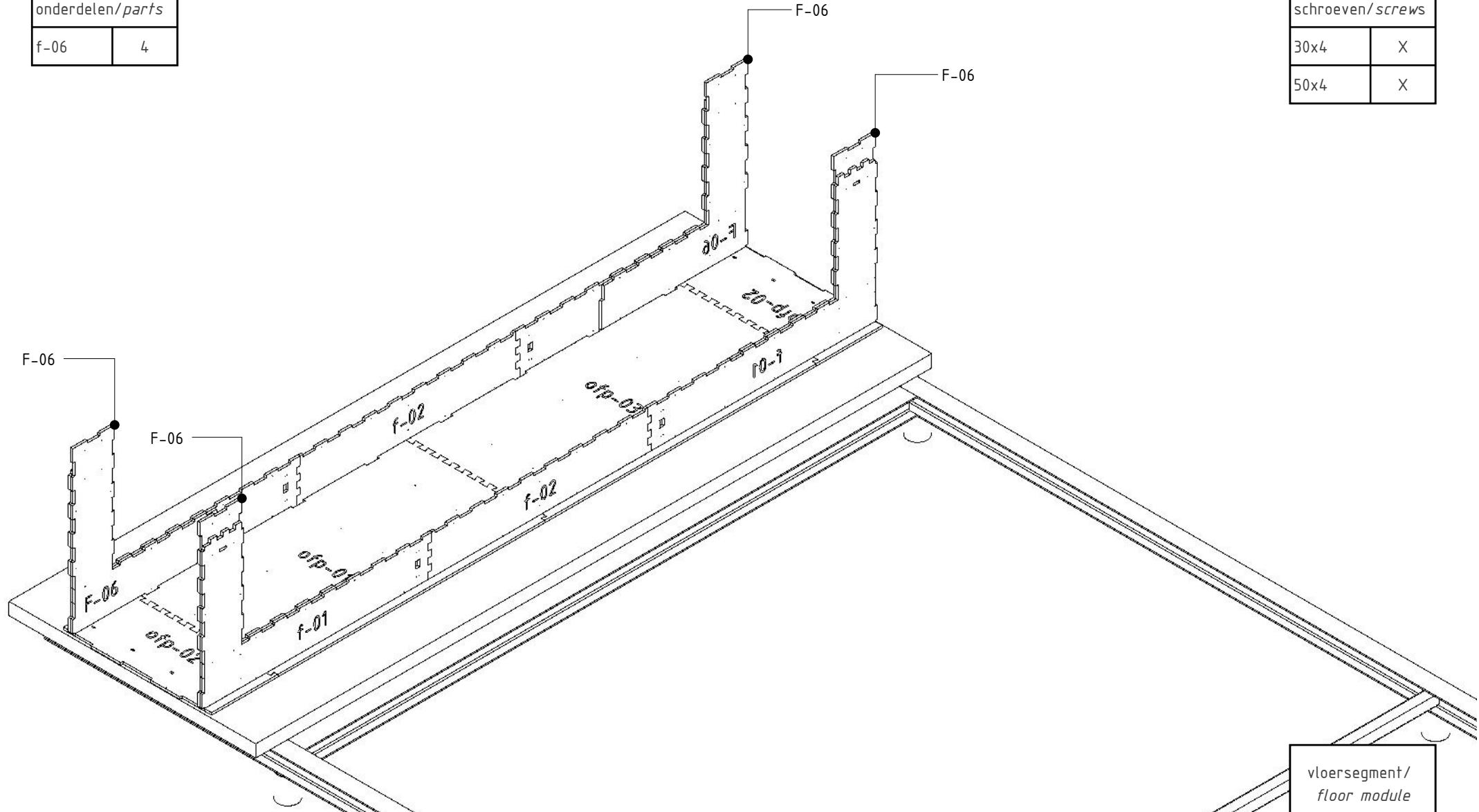
vloersegment /
floor module

type

B1

onderdelen/parts	
f-06	4

schroeven/screws	
30x4	X
50x4	X



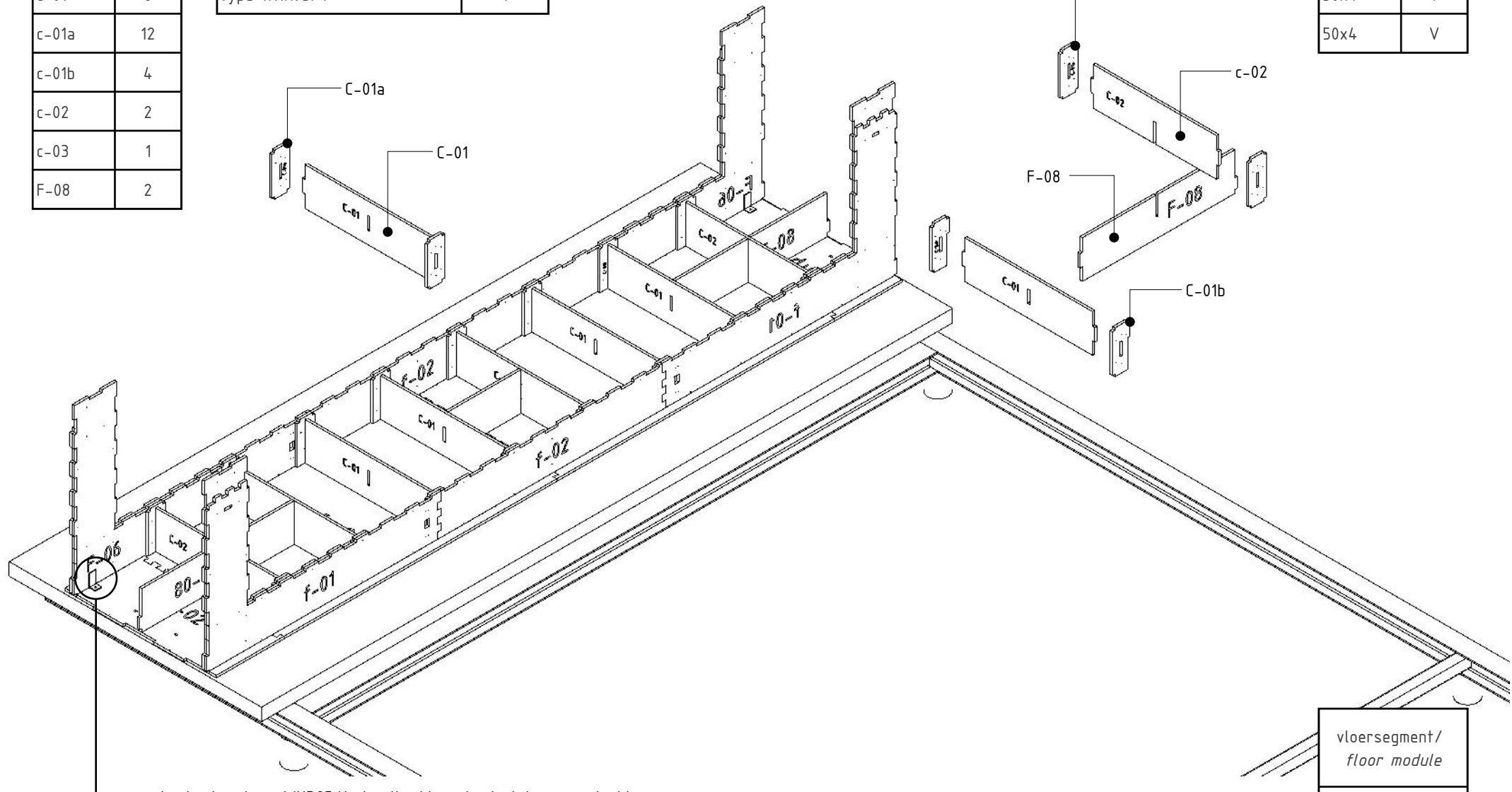
plaats de hoekversterkingen aan de binnenzijde van de framestukken /
place the reinforcement pieces at the inside corners of the frame pieces

vloersegment/ floor module
type
B1

onderdelen/parts	
c-01	6
c-01a	12
c-01b	4
c-02	2
c-03	1
F-08	2

hoekankers/corner cramps	
type WKR95/4	4

schroeven/screws	
30x4	V
50x4	V

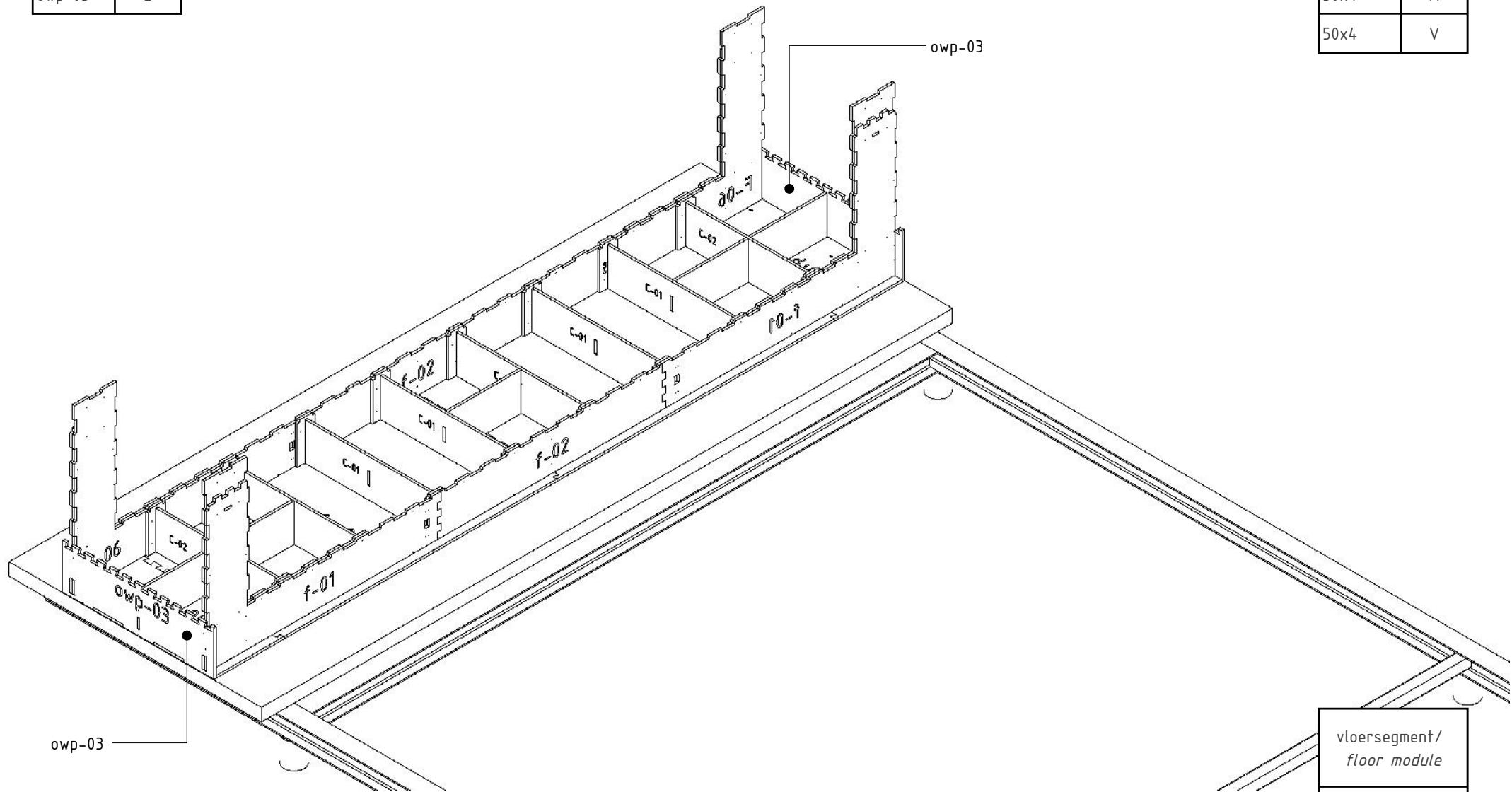


dwarsverbindingen [connectoren], extra ondersteuning vloerrand [F-08] & stalen hoekankers /
connectors, extra support floor edge [F-08] & steel corner cramps

vloersegment/ floor module
type
B1

onderdelen/parts	
owp-03	2

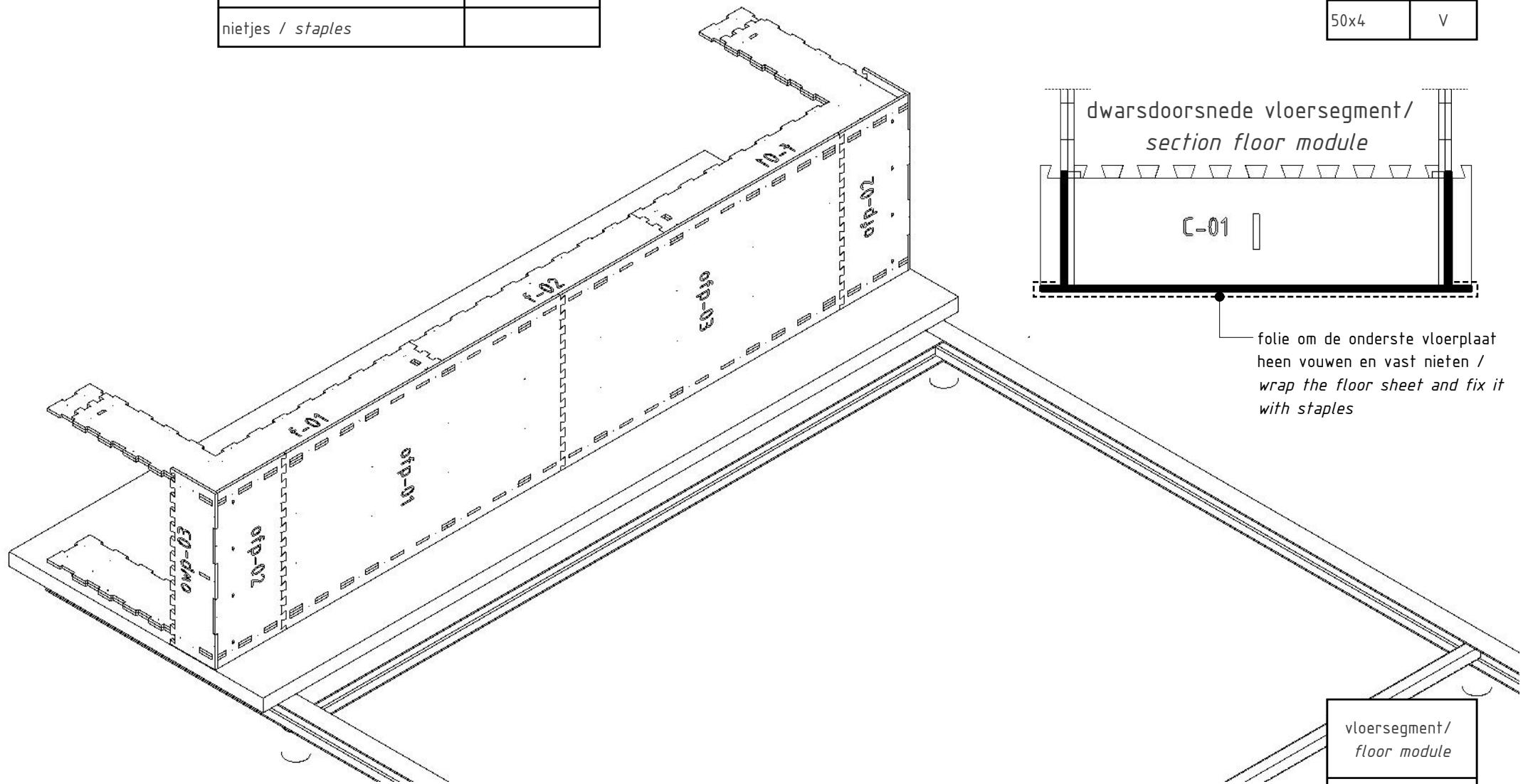
schroeven/screws	
30x4	X
50x4	V



onderdelen / *parts*

waterkerende folie / <i>moisturizing-proof foil</i>	
folie / <i>foil</i>	ca 7,5 m ²
nietjes / <i>staples</i>	

schroeven / screws	
30x4	V
50x4	V



kwartslag draaien, bodemplaten vastschroeven & waterkerende dampdoorlatende folie vast nieten /
rotate, screw bottom sheets & staple moisturizing foil to the bottom

vloersegment /
floor module

type

B1

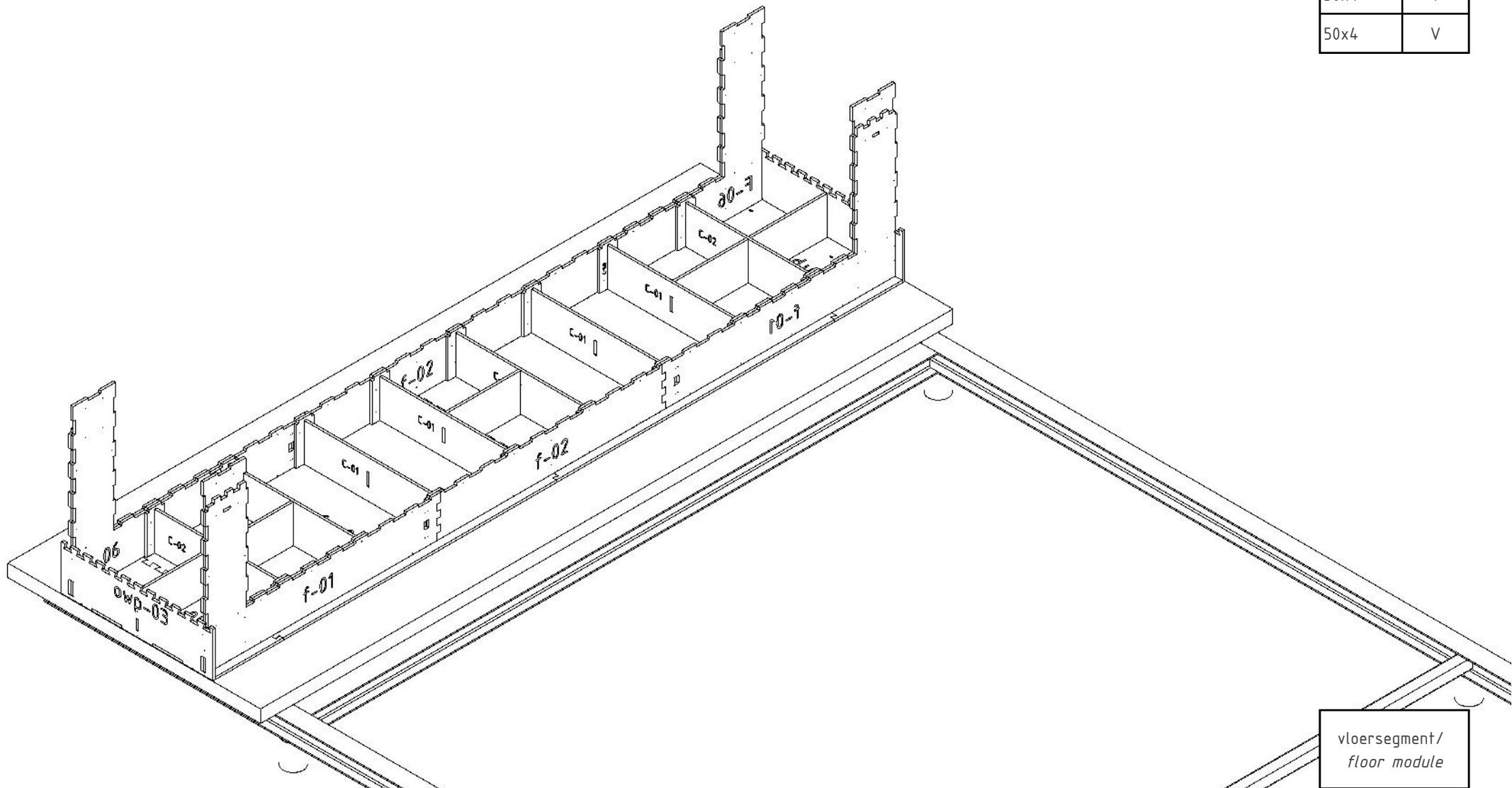
onderdelen / parts

check schroeven! / check screws!

schroeven/screws

30x4	V
------	---

50x4	V
------	---



vloersegment/
floor module

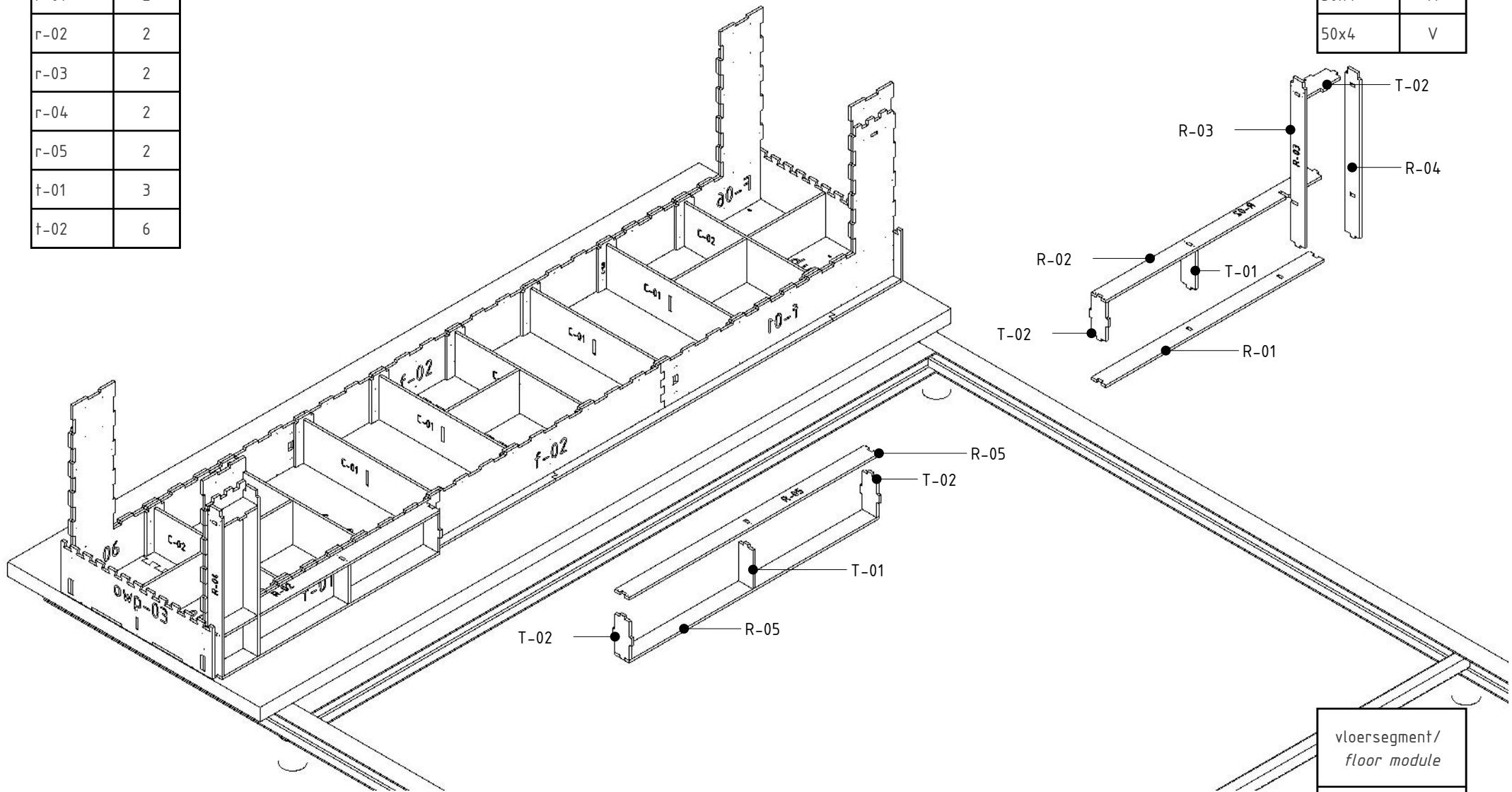
type

B1

check vloersegment / check floor module

onderdelen/parts	
r-01	2
r-02	2
r-03	2
r-04	2
r-05	2
t-01	3
t-02	6

schroeven/screws	
30x4	X
50x4	V



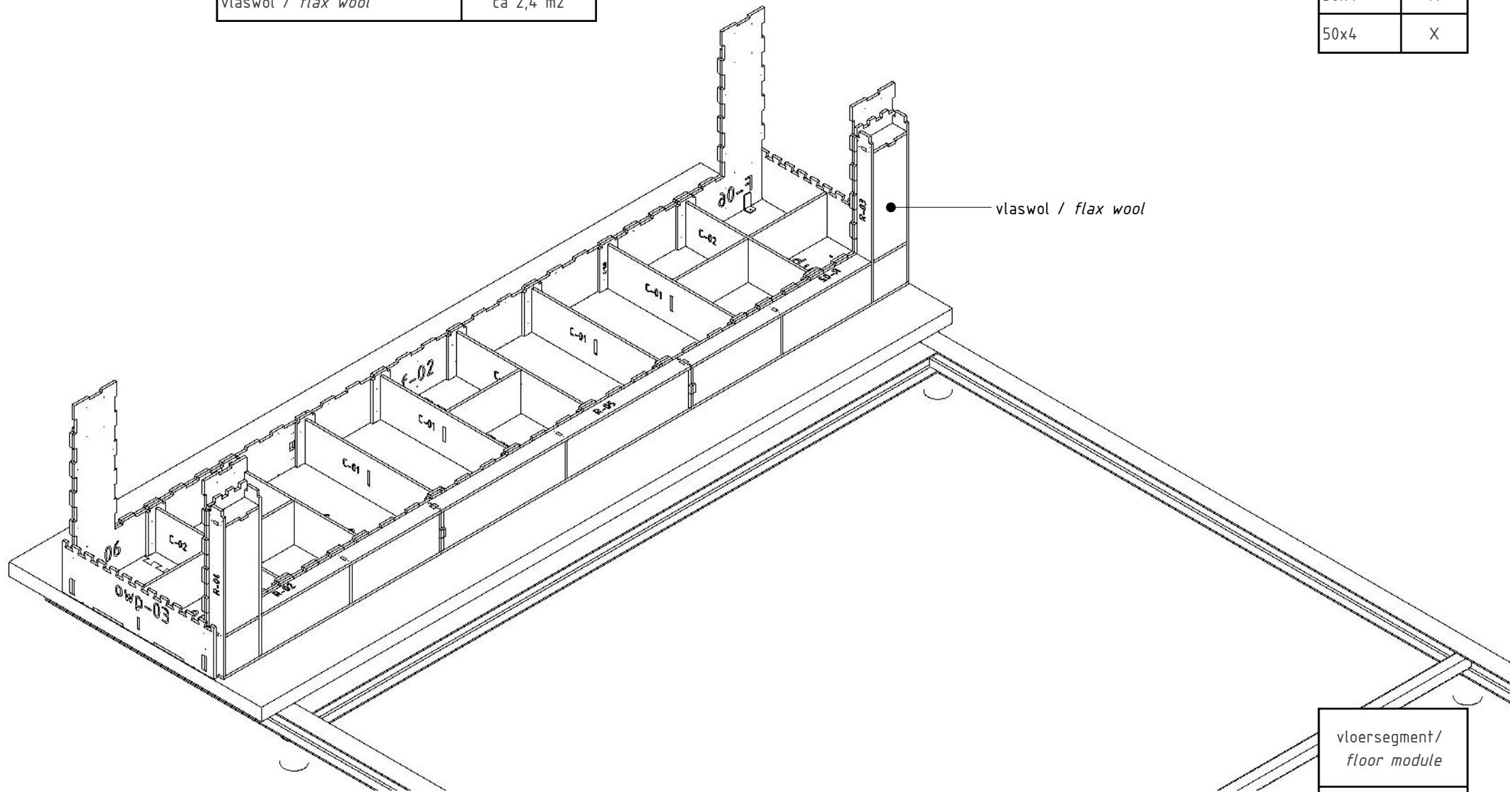
plaatsen tussenstroken spant aan rechterzijde/
place subframe pieces on the right side

vloersegment/ floor module
type
B1

onderdelen/parts

isolatie / insulation	
vlaswol / flax wool	ca 2,4 m ²

schroeven/screws	
30x4	X
50x4	X



vloersegment/
floor module

type

B1

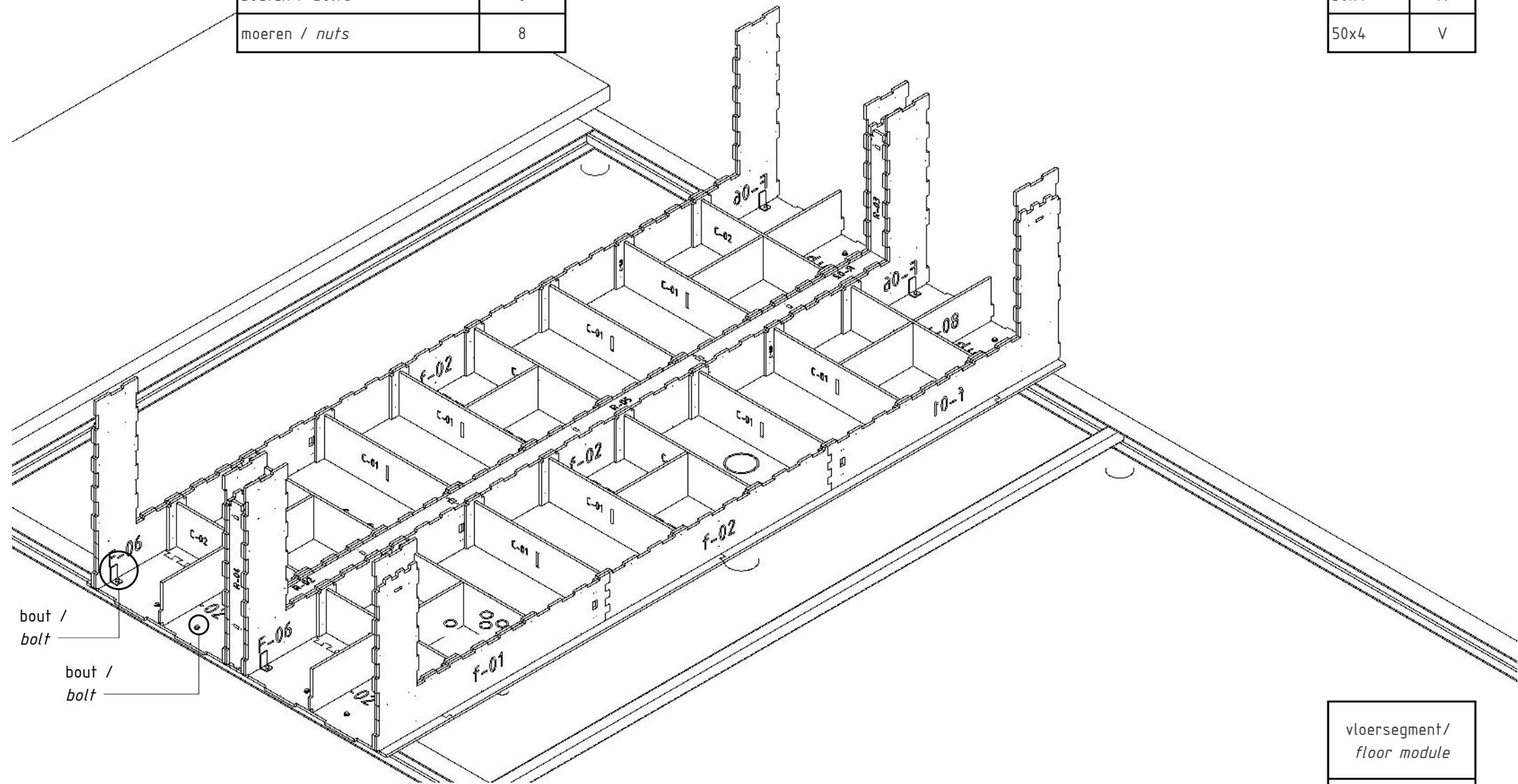
vul het subframe met isolatie, check vloerelement eerst op schroeven voor plaatsing! /
fill up subframe with insulation, check floor module on screws first before positioning!

onderdelen / parts

hoekankers / corner cramps	
bouten / bolts	8
moeren / nuts	8

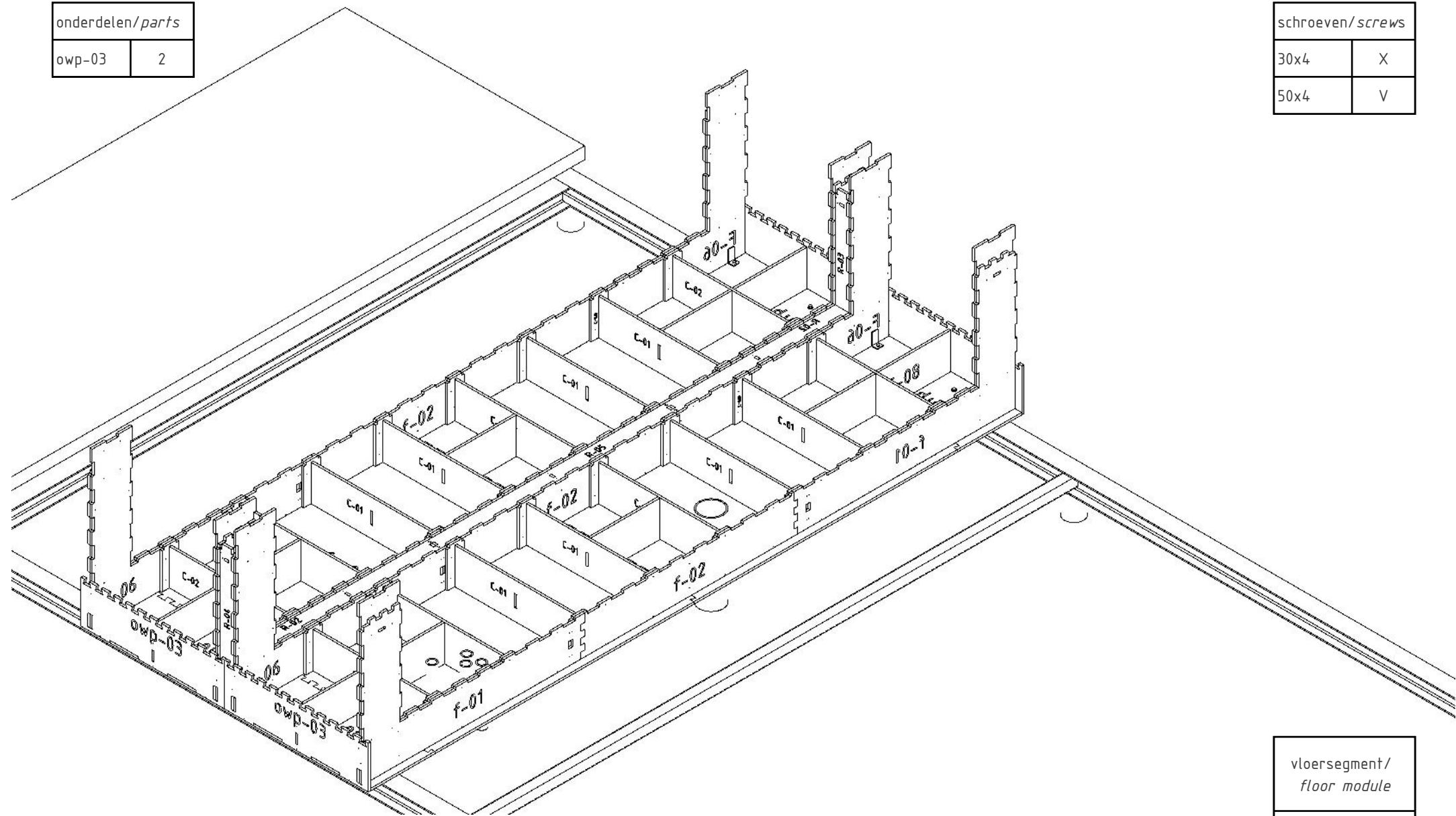
BELANGRIJK! / IMPORTANT! exacte positie / exact position

schroeven/screws	
30x4	X
50x4	V



onderdelen/parts	
owp-03	2

schroeven/screws	
30x4	X
50x4	V

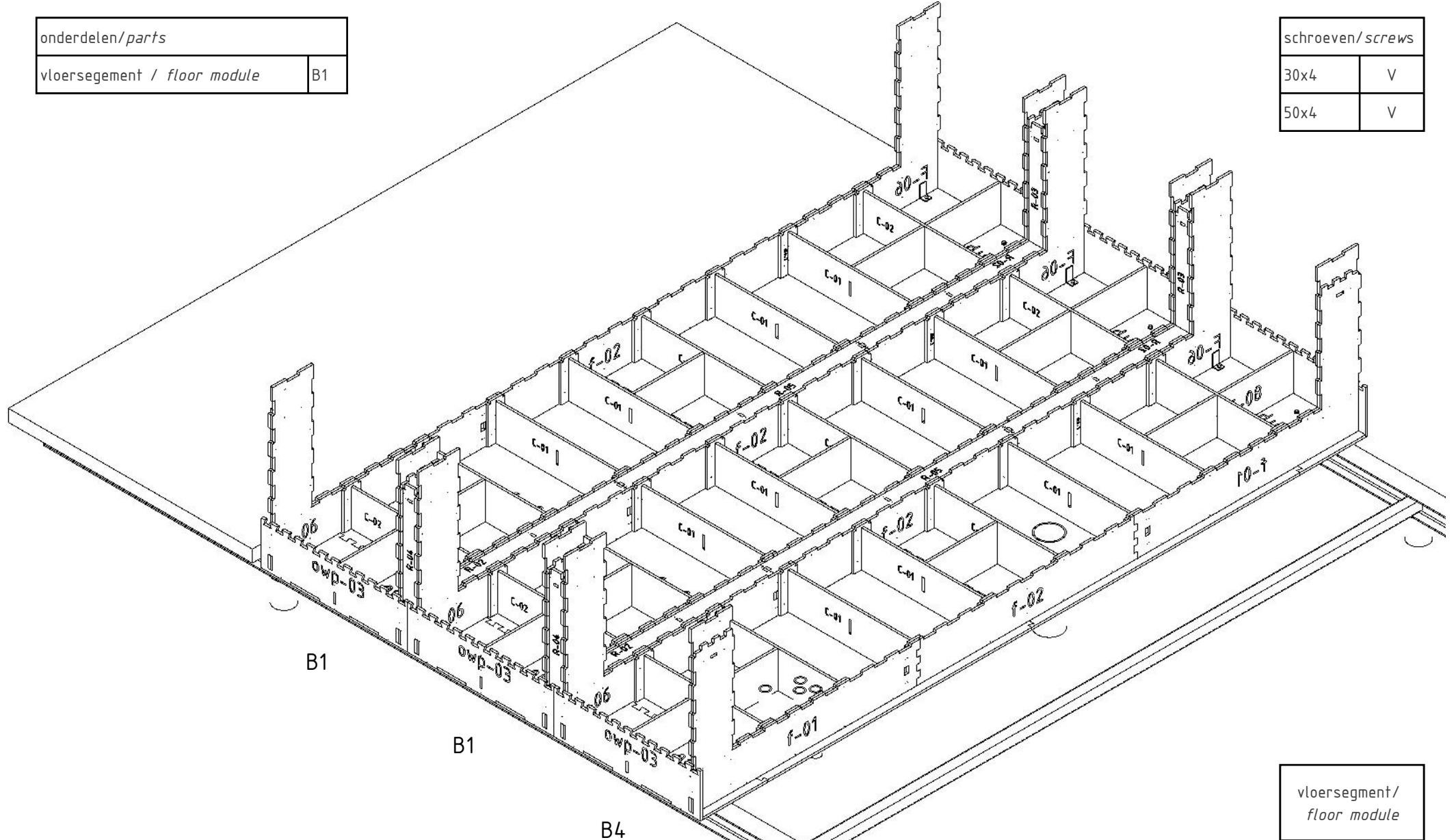


vloersegment/ floor module
type
B1

terug plaatsen passtukken gevelplaten / place back outer wall pieces

onderdelen/parts	
vloersegment / floor module	B1

schroeven/screws	
30x4	V
50x4	V

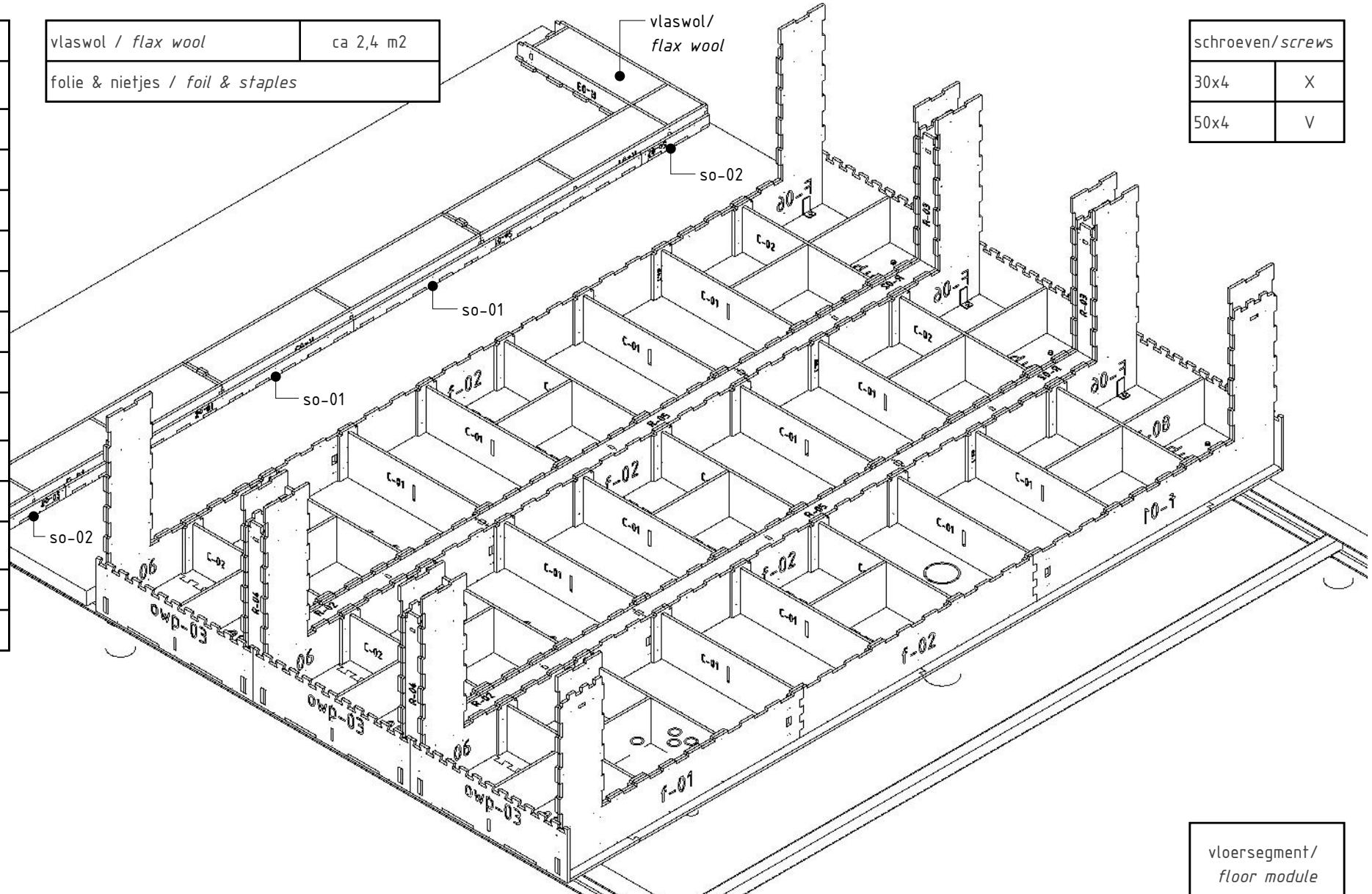


vloersegment/ floor module
type
B1

Het volgende vloerelement maken [type B1] en volg dezelfde stappen /
Build the next floor module [type B1] and follow the same steps

onderdelen/parts	
subframe [p.29]	
r-01	2
r-02	2
r-03	2
r-04	2
r-05	2
t-01	3
t-02	6
eindstukken / end pieces	
so-01	2
so-02	2
framestukken / frame pieces	
F-01	2
F-02	1

vlaswol / flax wool	ca 2,4 m ²
folie & nietjes / foil & staples	

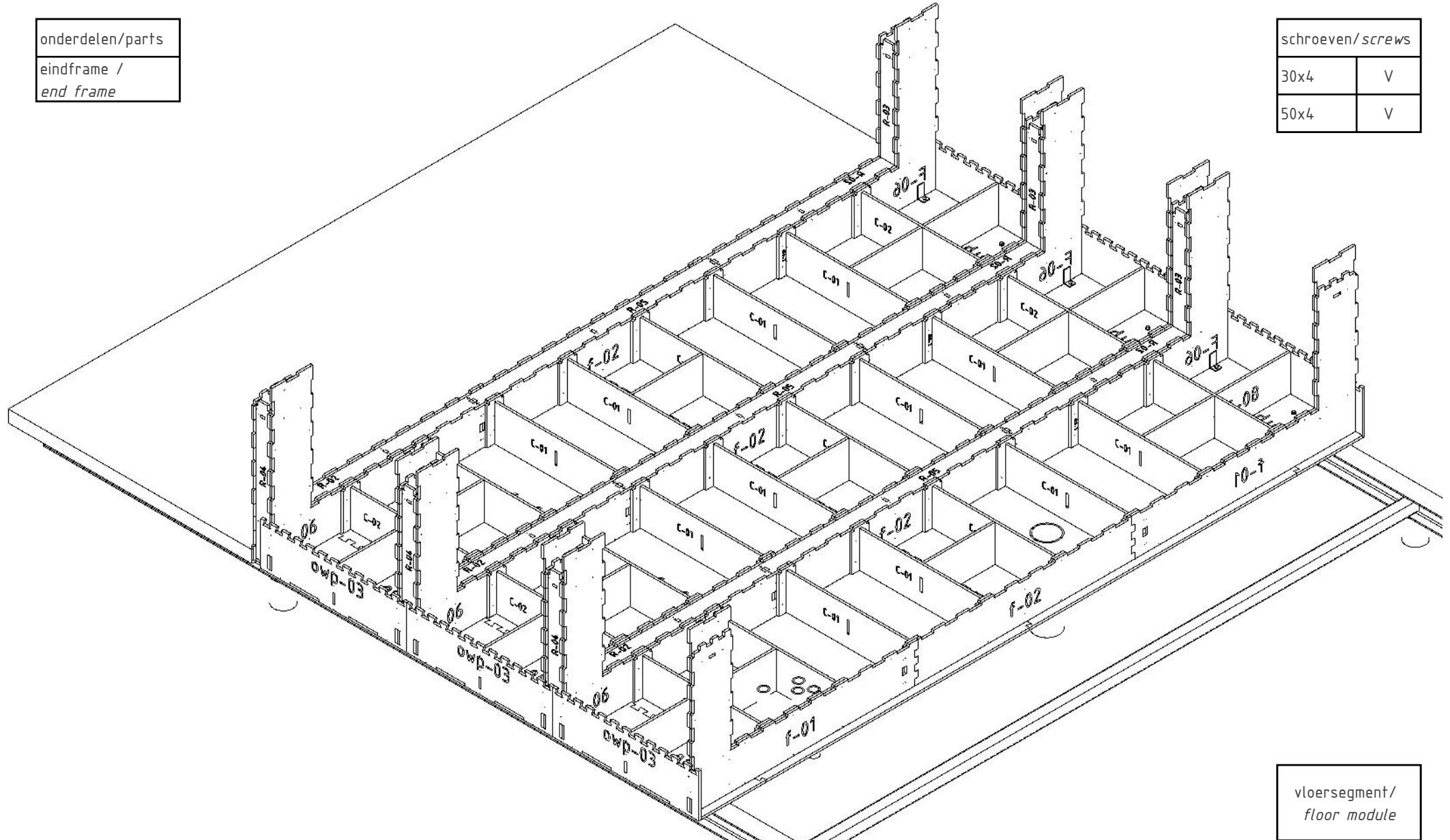


vloersegment/ floor module
type
B1

eind frame; subframe, eindstukken, isolatie & folie onderzijde /
end frame; subframe, end pieces, insulation & foil bottom side

onderdelen/parts
eindframe / end frame

schroeven/screws	
30x4	V
50x4	V



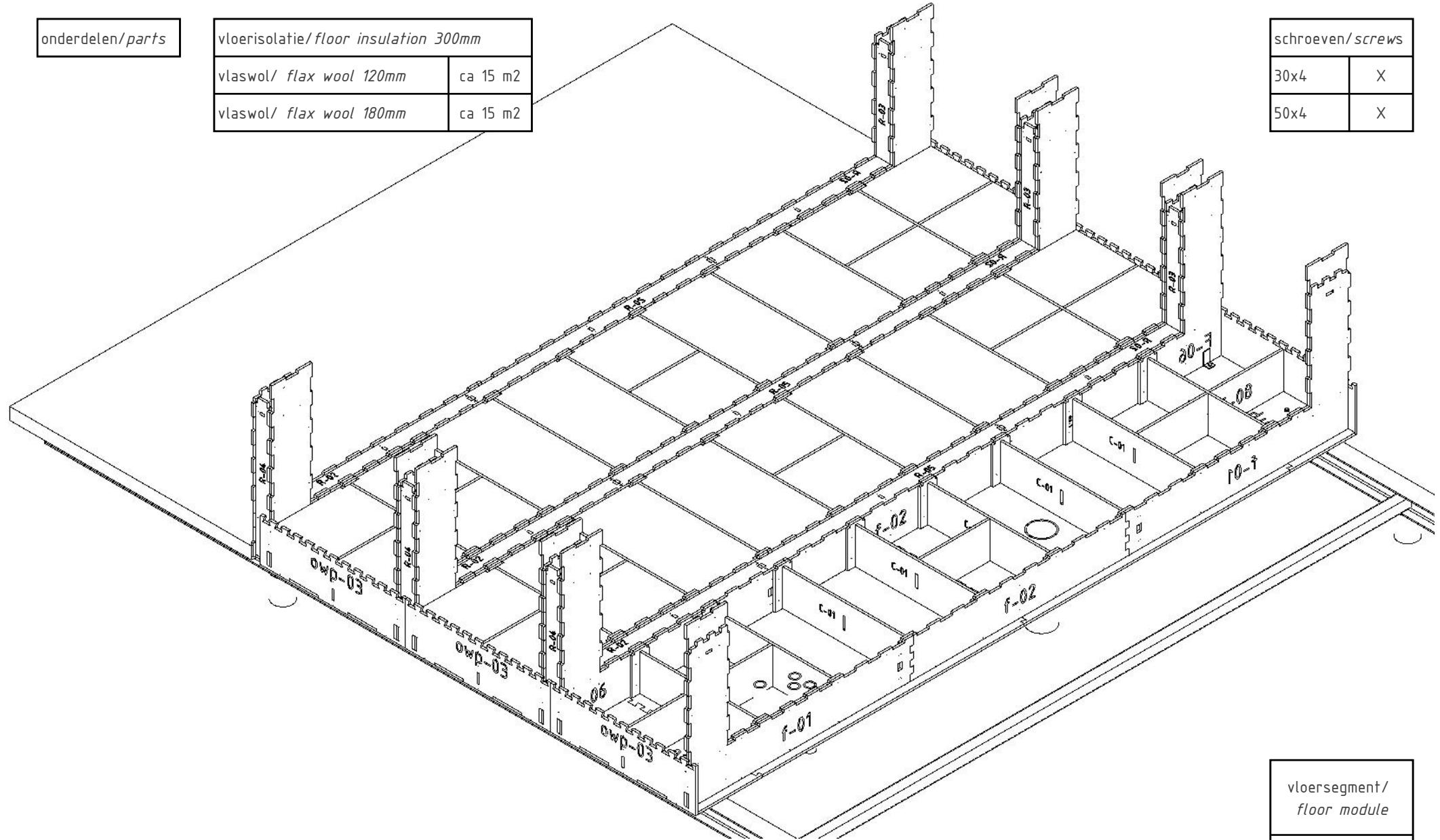
vloersegment/ floor module
type
B1

plaats het eindframe en schroef het vast vanaf de binnenkant van het vloersegment /
place end frame and fixate with screws from the inside of the floor module

onderdelen/*parts*

vloerisolatie/ <i>floor insulation</i> 300mm	
vlaswol/ <i>flax wool</i> 120mm	ca 15 m ²
vlaswol/ <i>flax wool</i> 180mm	ca 15 m ²

schroeven / screws	
30x4	X
50x4	X



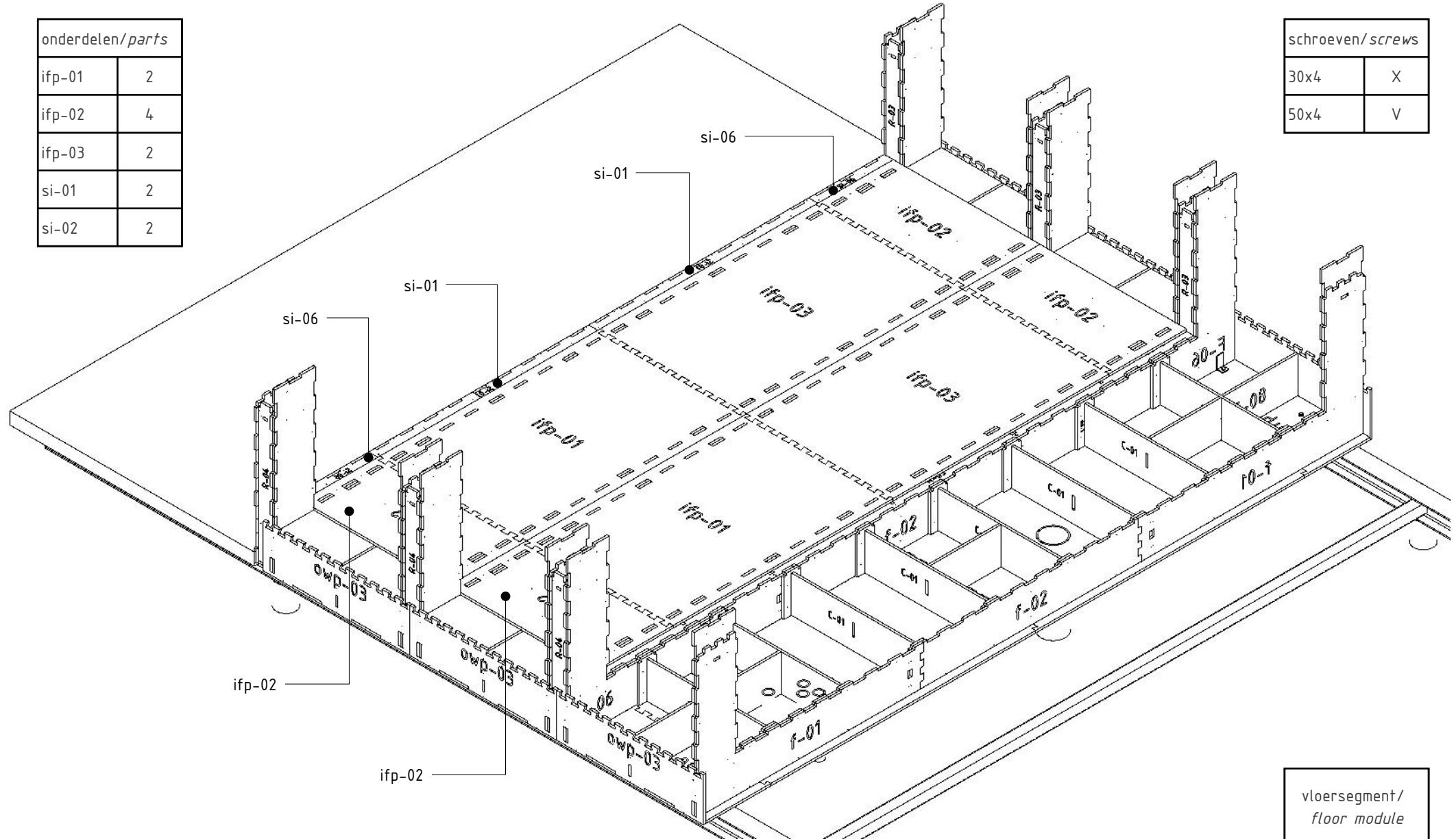
2 vloersegmenten voorzien van isolatie / *provide these 2 floor modules with insulation*



vloersegment /
floor module
type
B1

onderdelen/parts	
ifp-01	2
ifp-02	4
ifp-03	2
si-01	2
si-02	2

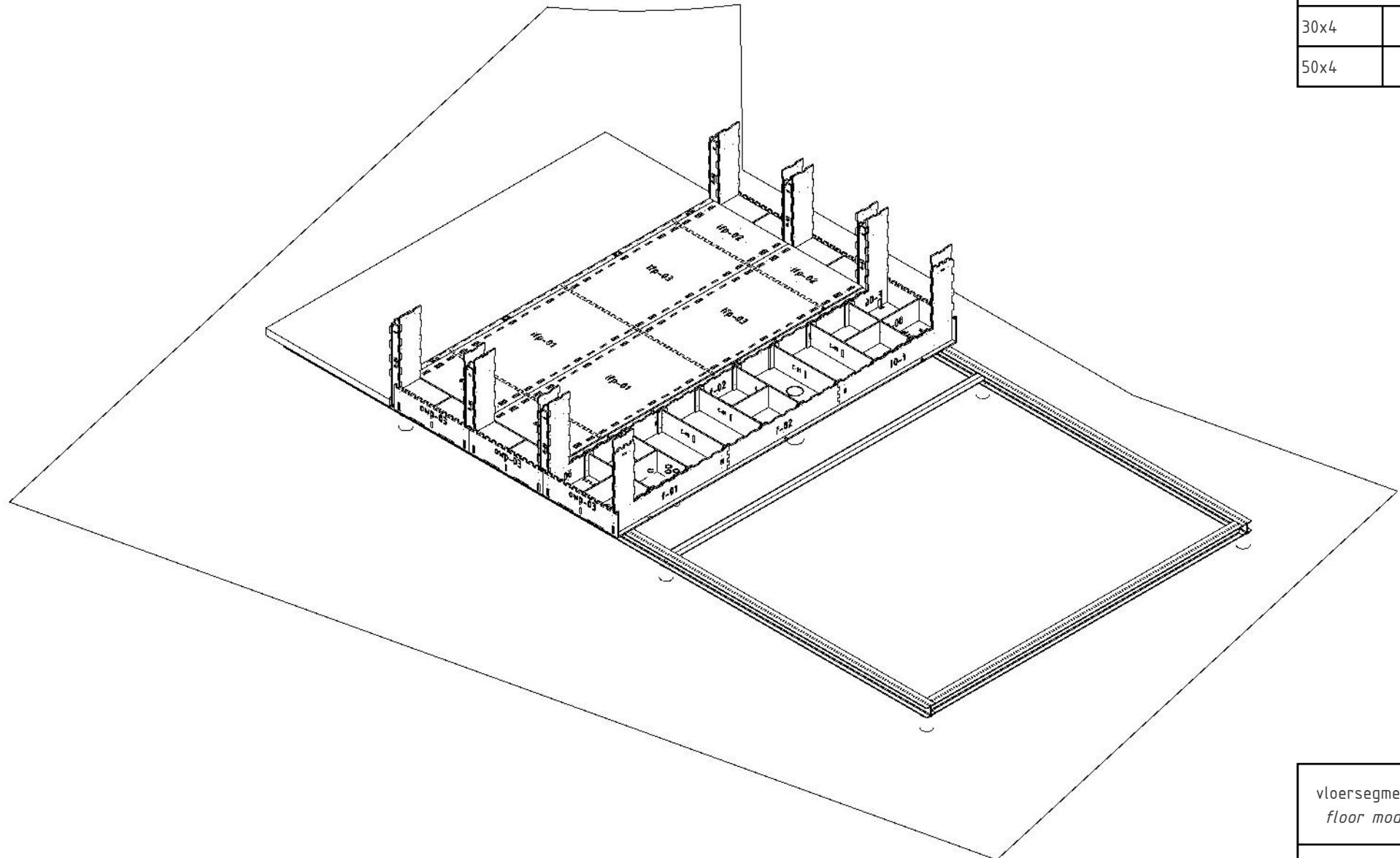
schroeven/screws	
30x4	X
50x4	V



vloersegment/ floor module
type
B1

binnenvloerplaten [ifp] en eindstukken binnen [si] /
inner floor panels [ifp] and end pieces inside [si]

schroeven/screws	
30x4	X
50x4	X

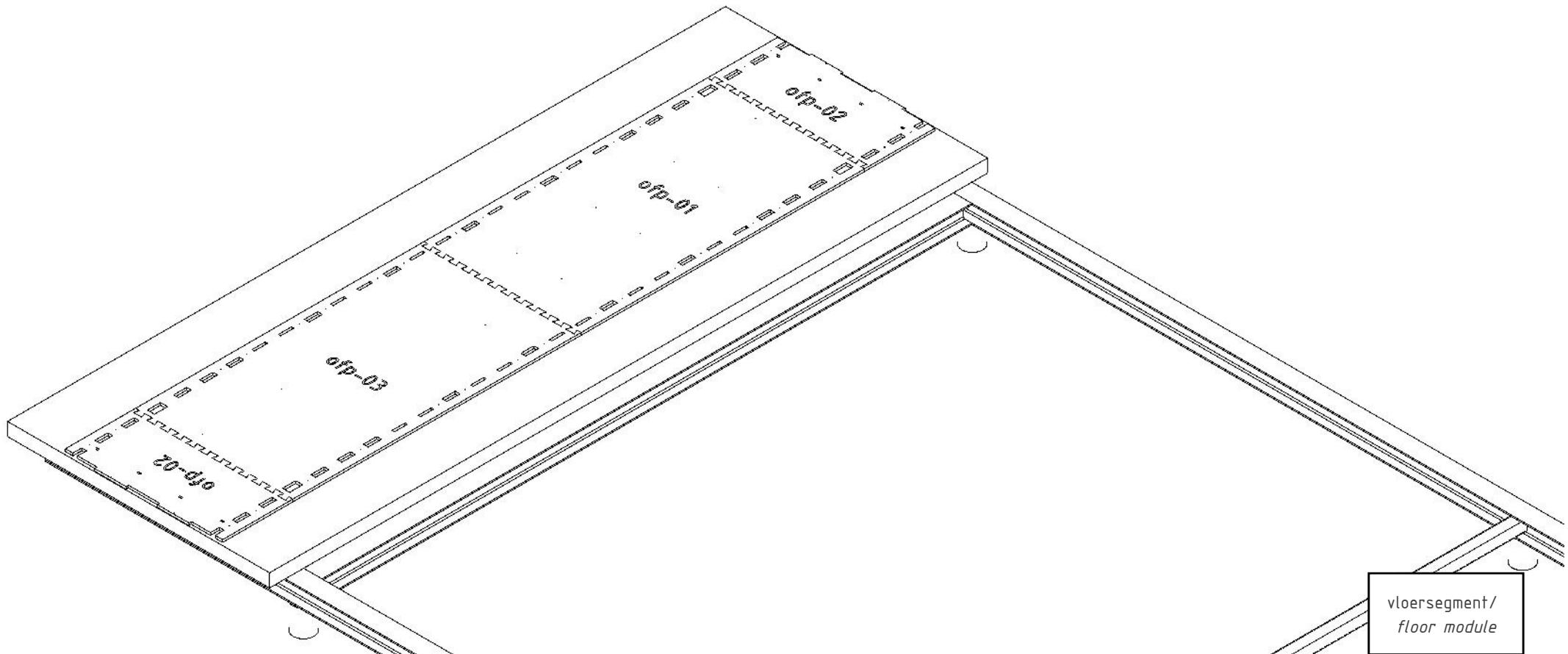


vloersegment/ floor module
type
B1

Twee type B1 vloersegmenten af, check positie op de fundering! /
Two type B1 floor modules finished, check positions at the foundation!

onderdelen/parts	
ofp-01	1
ofp-02	2
ofp-03	1

schroeven/screws	
30x4	X
50x4	X

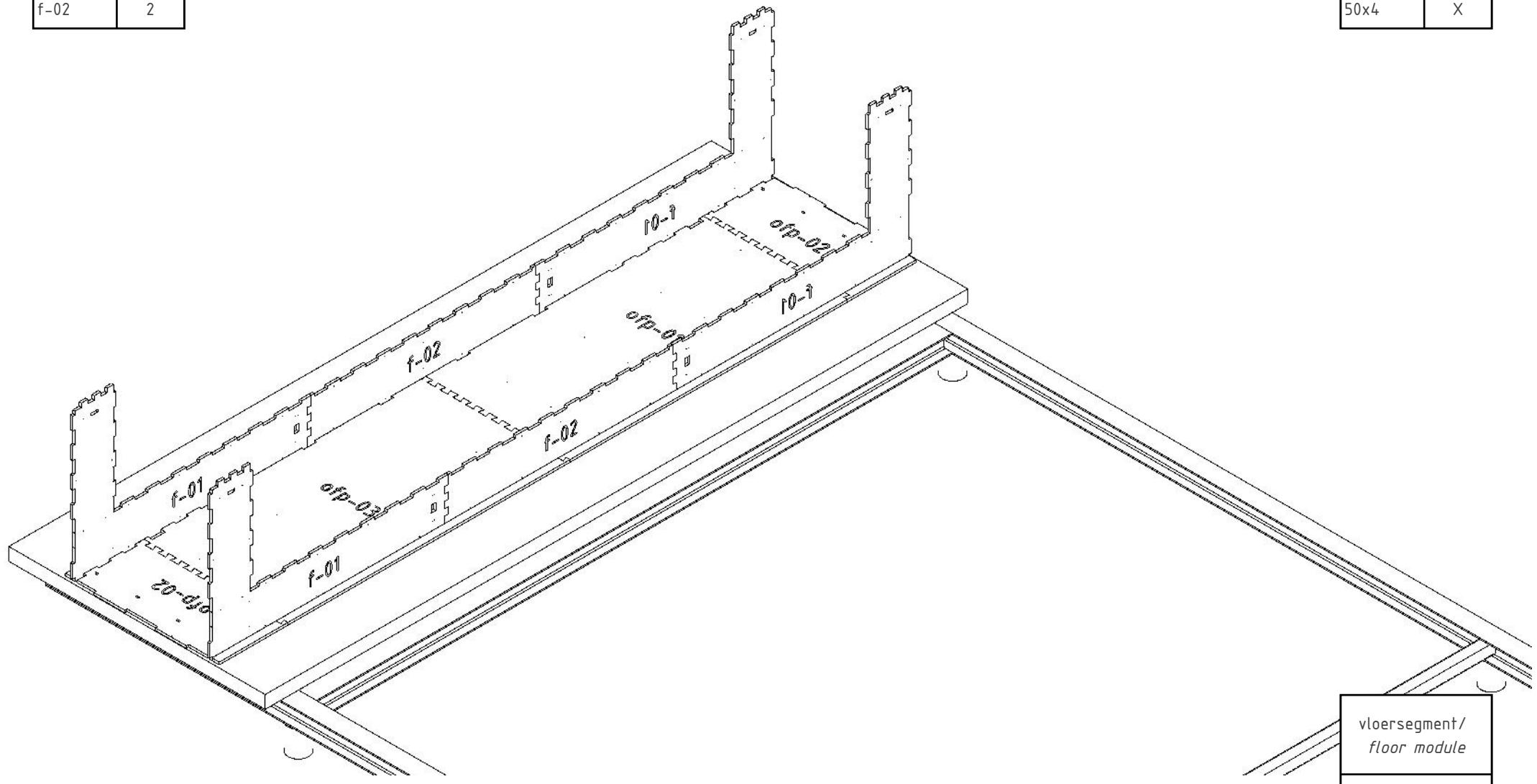


vloersegment voordeur, vloerplaten onder / *floor module front door, bottom sheets*

vloersegment/ floor module
type
B3

onderdelen/parts	
f-01	4
f-02	2

schroeven/screws	
30x4	X
50x4	X

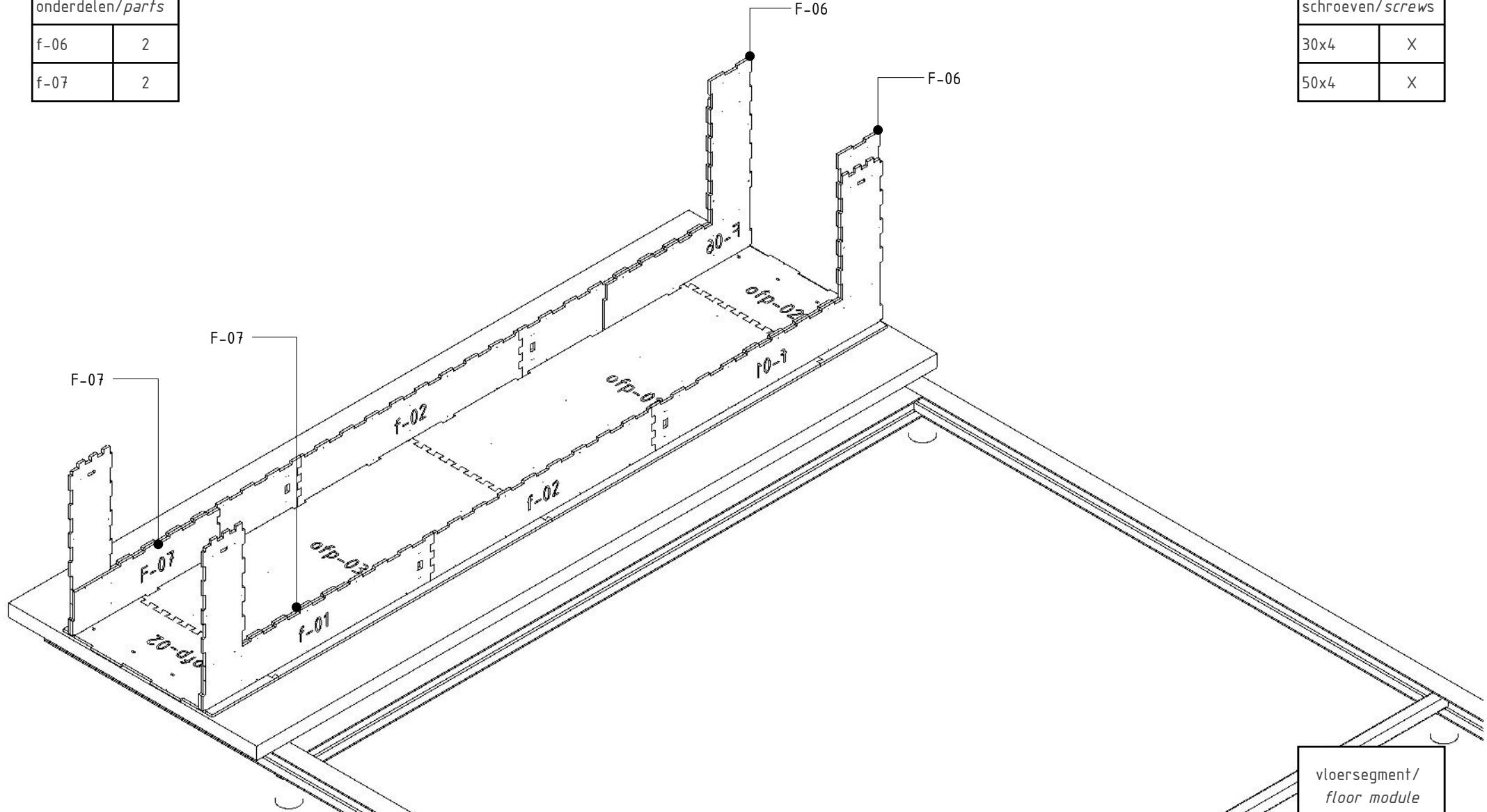


framestukken/ *frame pieces*

vloersegment/ <i>floor module</i>
type
B3

onderdelen/parts	
f-06	2
f-07	2

schroeven/screws	
30x4	X
50x4	X



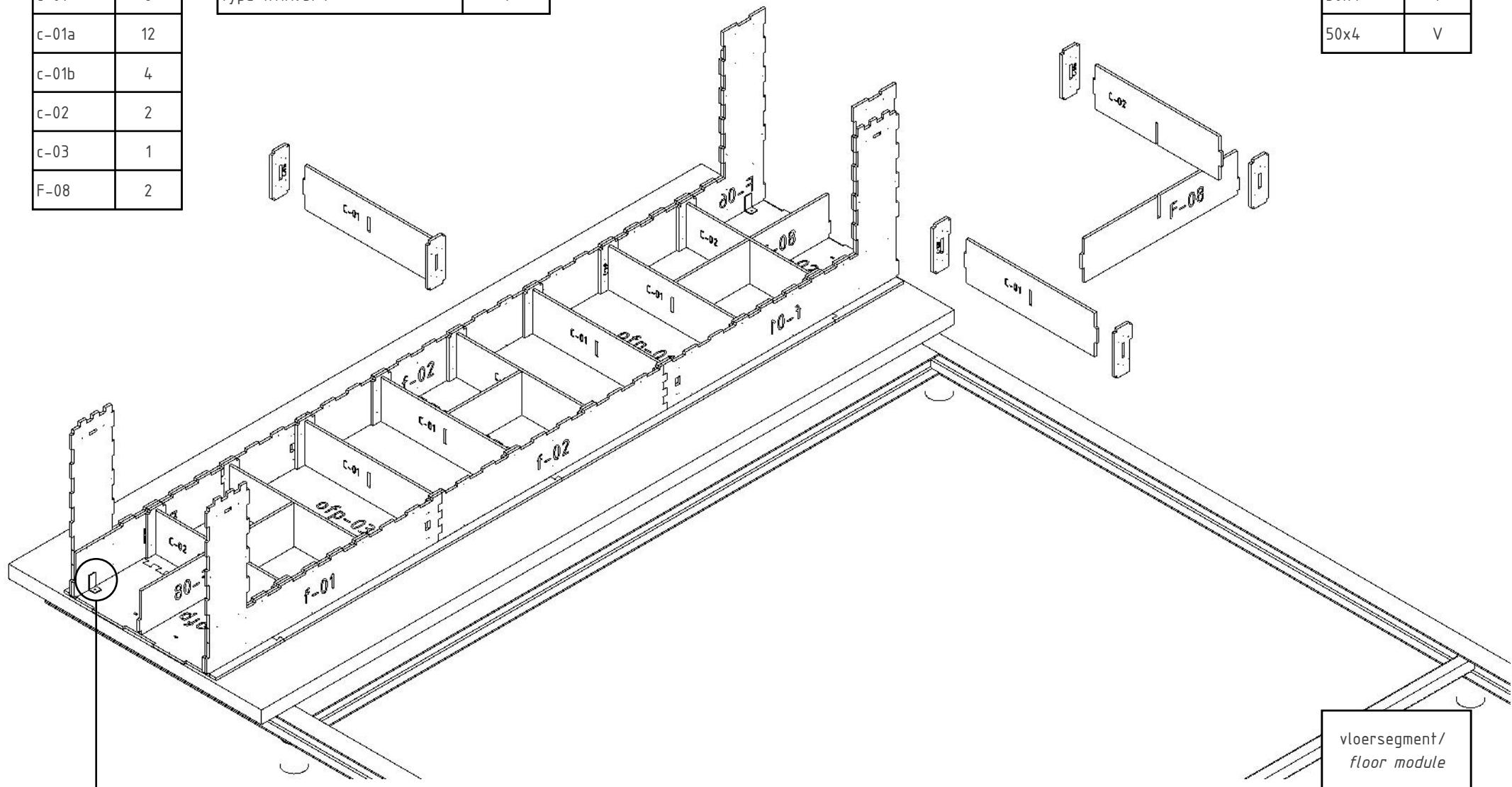
plaats de hoekversterkingen aan de binnenzijde van de framestukken /
place the reinforcement pieces at the inside corners of the frame pieces

vloersegment/ floor module
type
B3

onderdelen/parts	
c-01	6
c-01a	12
c-01b	4
c-02	2
c-03	1
F-08	2

hoekankers/corner cramps	
type WKR95/4	4

schroeven/screws	
30x4	V
50x4	V



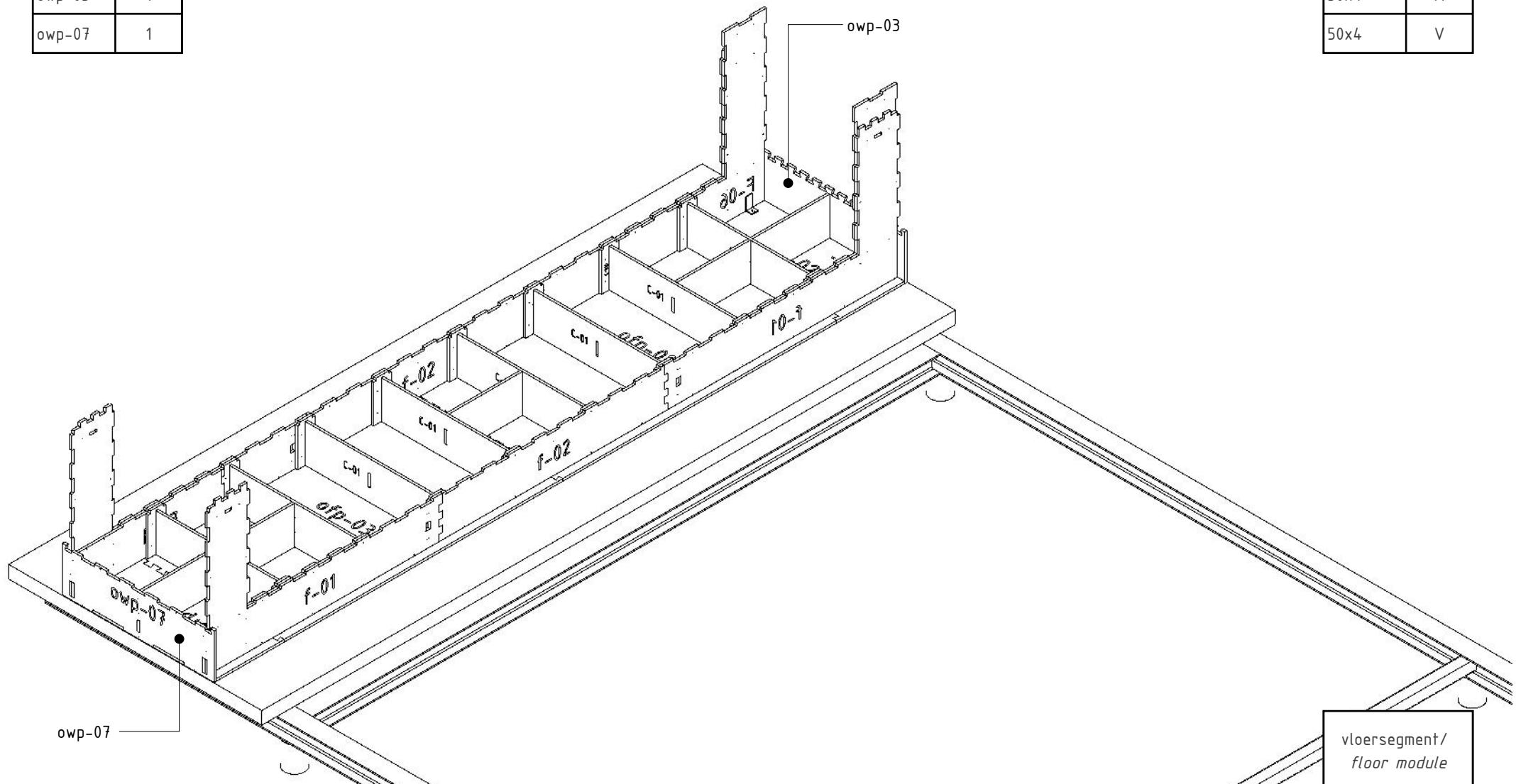
hoekanker type WKR95/4, in elke binnenhoek / in every inside corner

dwarsverbindingen [connectoren], extra ondersteuning vloerrand [F-08] & stalen hoekankers /
connectors, extra support floor edge [F-08] & steel corner cramps

vloersegment/ floor module
type
B3

onderdelen/parts	
owp-03	1
owp-07	1

schroeven/screws	
30x4	X
50x4	V



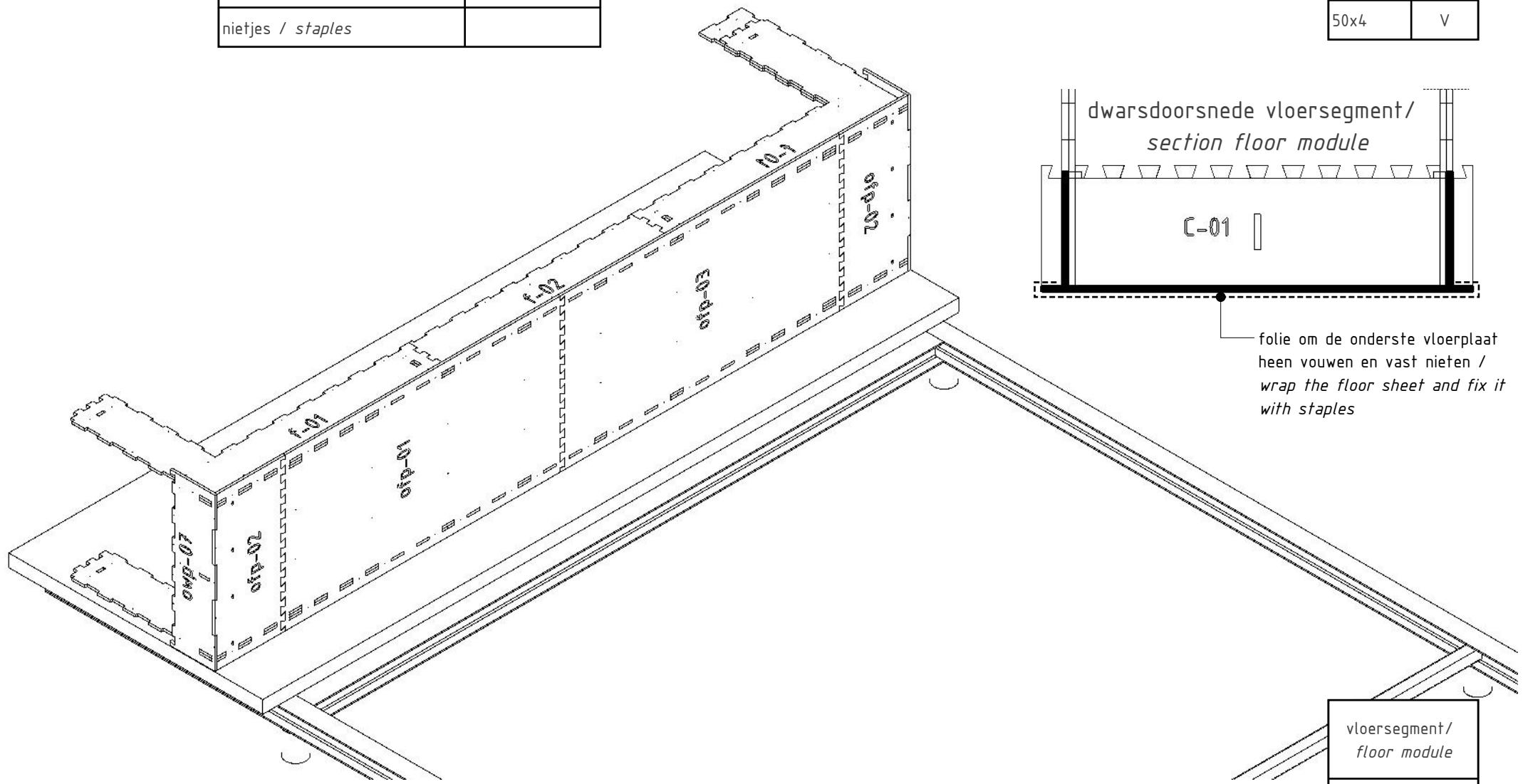
passtuk buitenpaneel beide kanten/ outer wall piece both sides

vloersegment/ floor module
type
B3

onderdelen / parts

waterkerende folie / moisturizing-proof foil	
folie / foil	ca 7,5 m ²
nietjes / staples	

schroeven/screws	
30x4	V
50x4	V



kwartslag draaien, bodemplaten vastschroeven & waterkerende dampdoorlatende folie vast nieten /
rotate, screw bottom sheets & staple moisturizing foil to the bottom

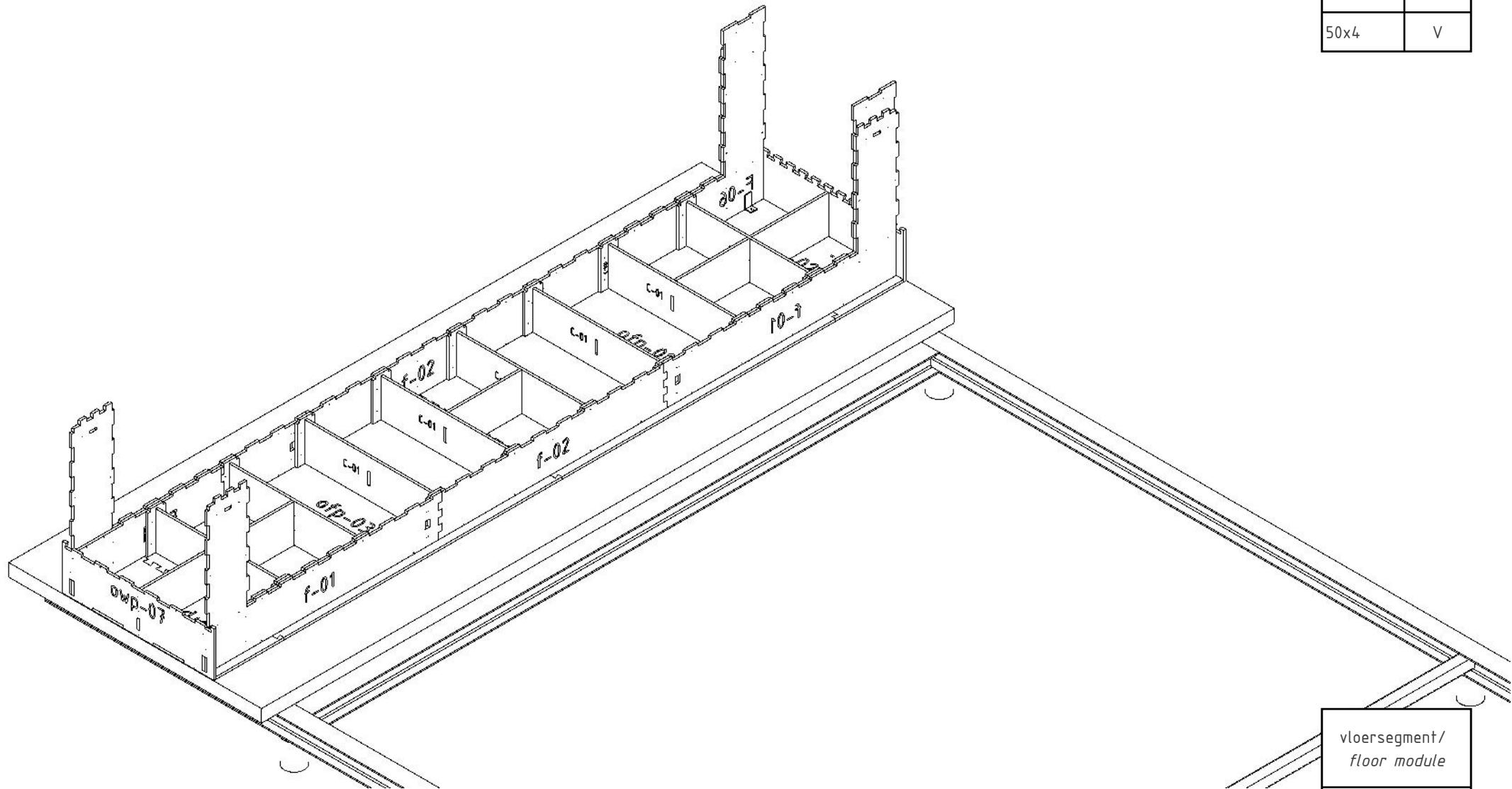
onderdelen / parts

check schroeven! / check screws!

schroeven/screws

30x4	V
------	---

50x4	V
------	---



check vloersegment / check floor module

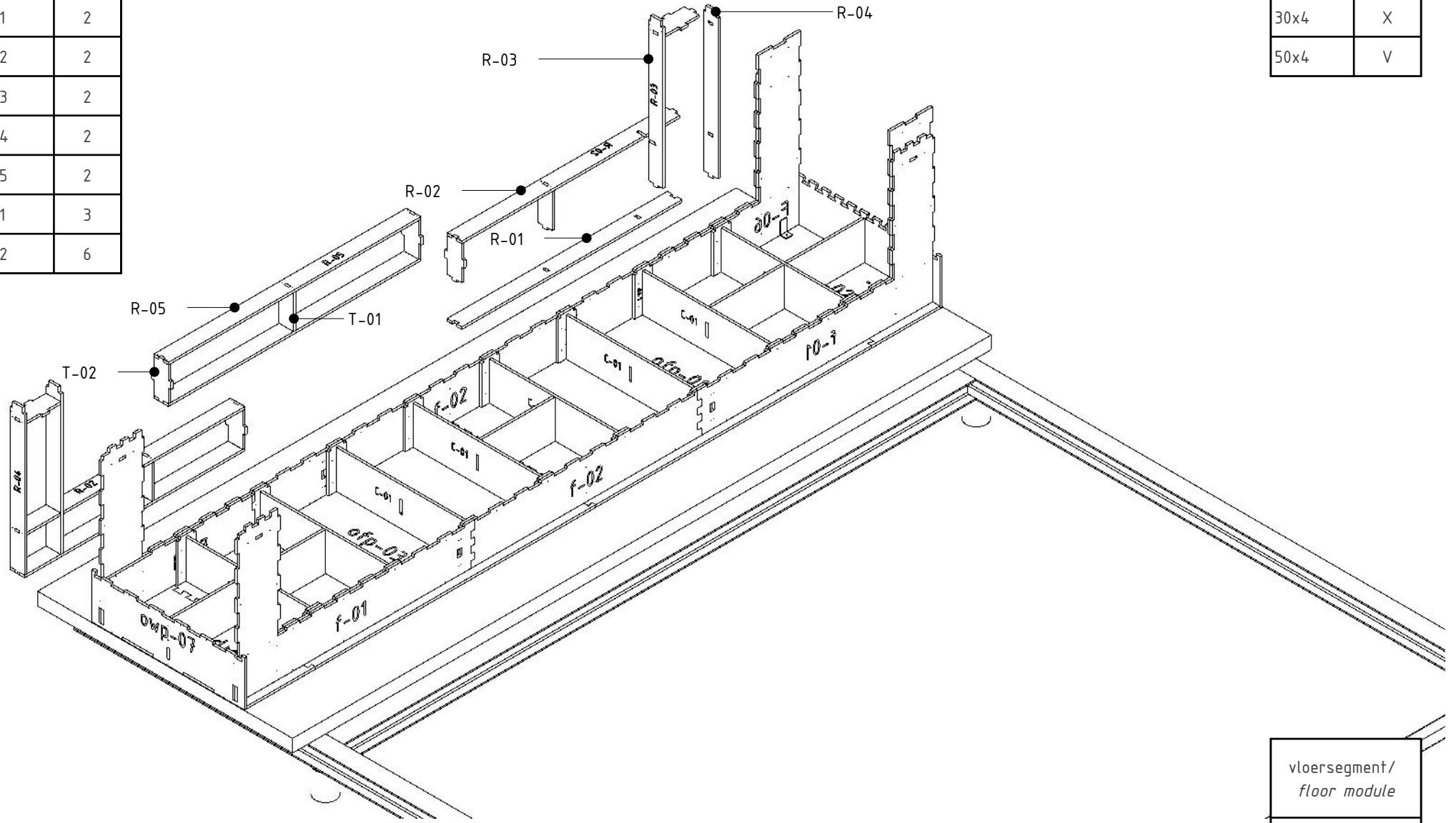
vloersegment/
floor module

type

B3

onderdelen/parts	
r-01	2
r-02	2
r-03	2
r-04	2
r-05	2
t-01	3
t-02	6

schroeven/screws	
30x4	X
50x4	V



plaatsen tussenstroken spant aan linkerzijde/
place subframe pieces on the left side

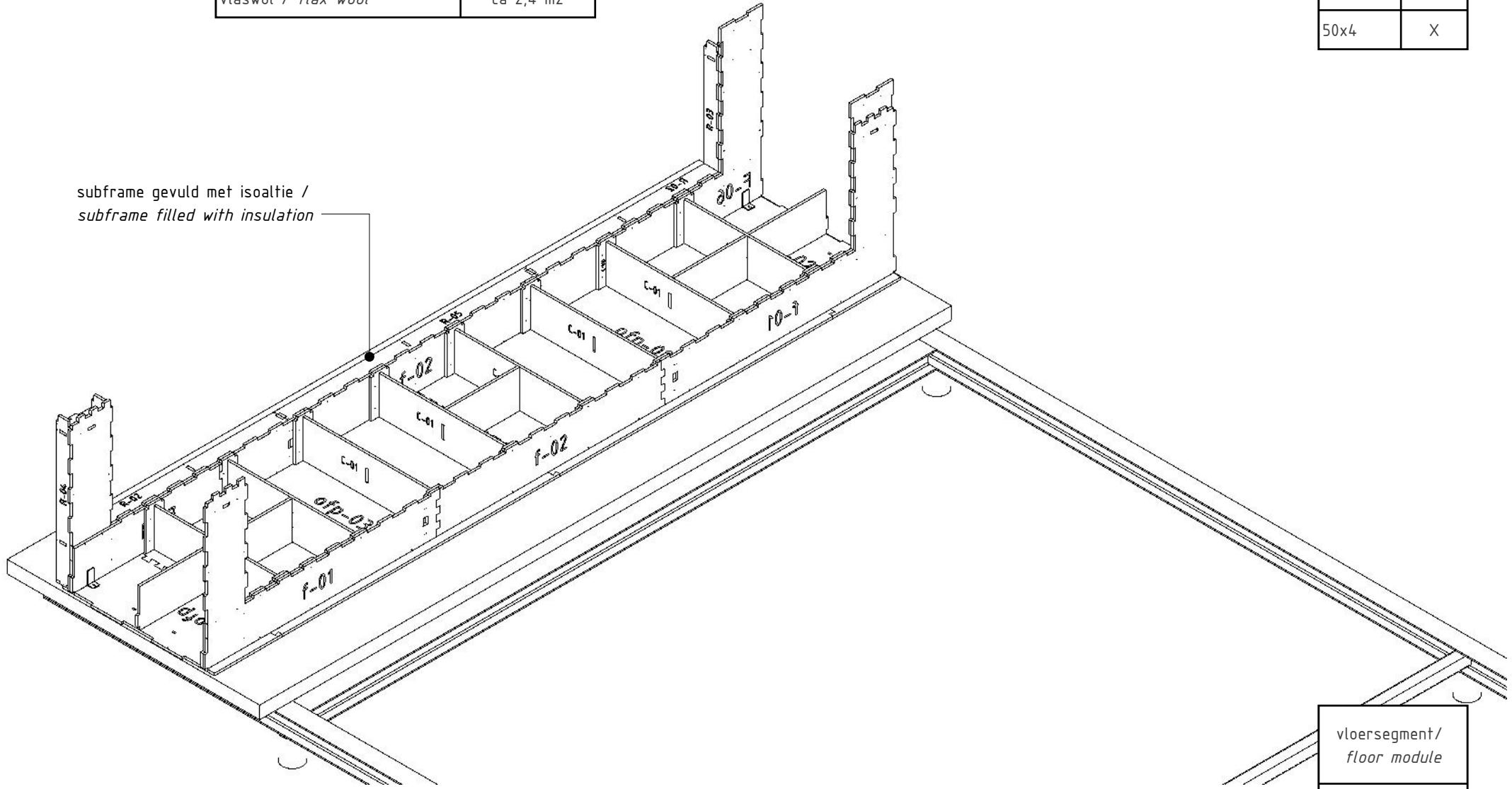
vloersegment/ floor module
type
B3

onderdelen/parts

isolatie / insulation	
vlaswol / flax wool	ca 2,4 m ²

schroeven/screws	
30x4	X
50x4	X

subframe gevuld met isoaltie /
subframe filled with insulation



vloersegment/
floor module

type

B3

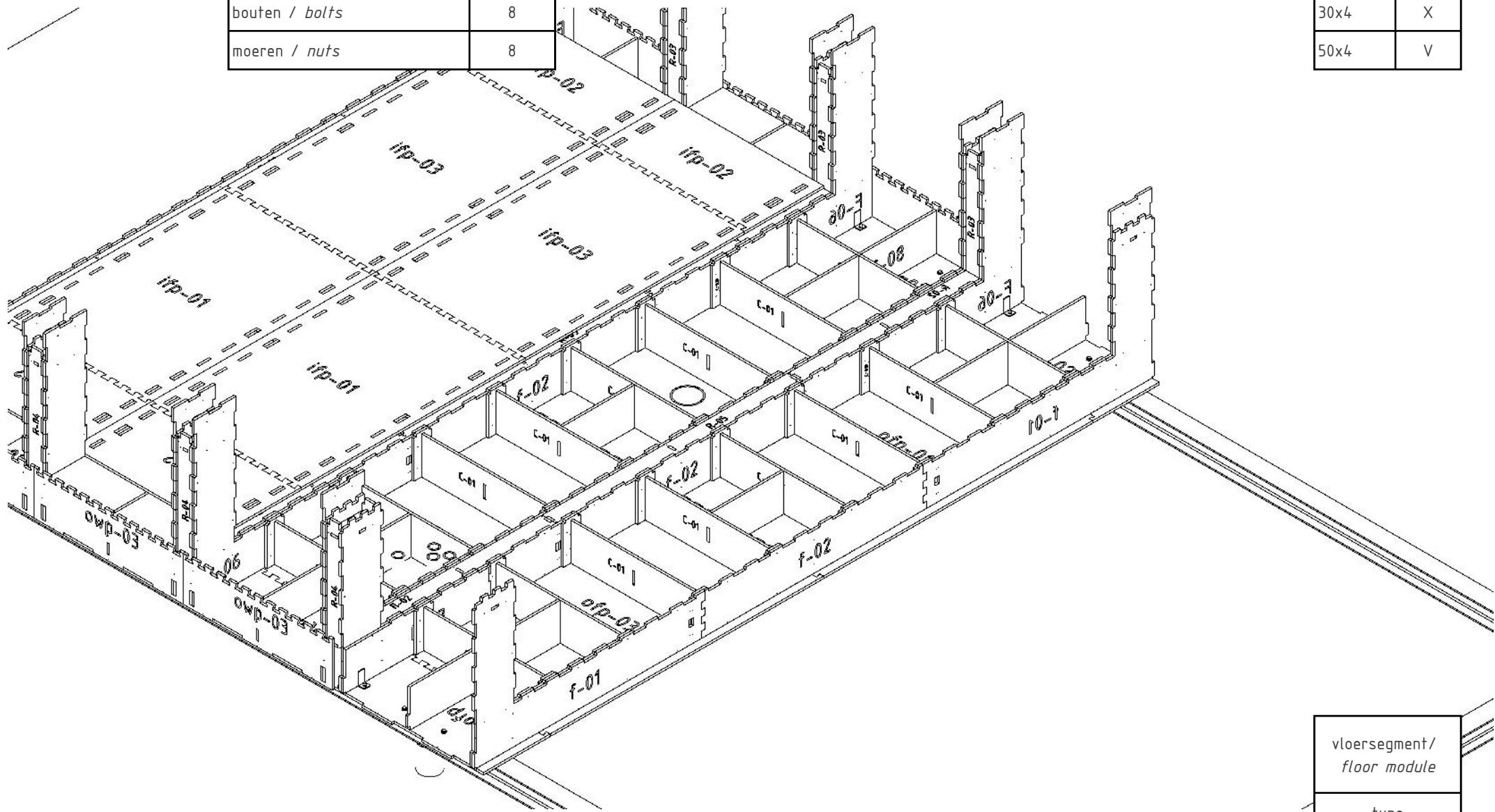
vul het subframe met isolatie, check vloerelement eerst op schroeven voor plaatsing! /
fill up subframe with insulation, check floor module on screws first before positioning!

onderdelen / parts

hoekankers / corner cramps	
bouten / bolts	8
moeren / nuts	8

BELANGRIJK! check exacte positie / *IMPORTANT! check exact position*

schroeven/screws	
30x4	X
50x4	V

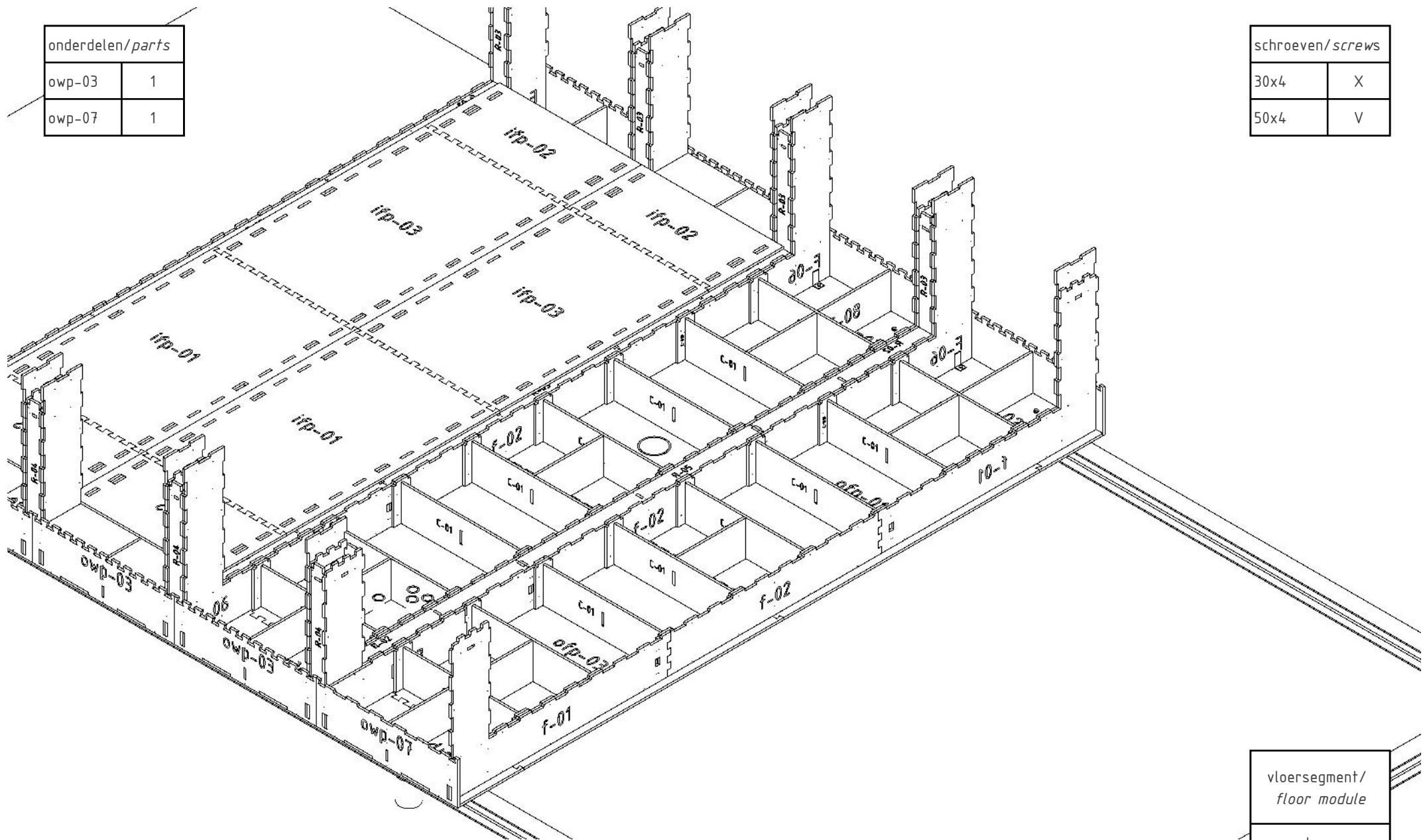


aansluiten 1e vloersegment [B4], vastbouwen [4 elke kant] fundering, vastschroeven subframe /
place next to 1st floor module [B4], fixate with bolts [4 both sides], screws into subframe

vloersegment/ floor module
type
B3

onderdelen/parts	
owp-03	1
owp-07	1

schroeven/screws	
30x4	X
50x4	V



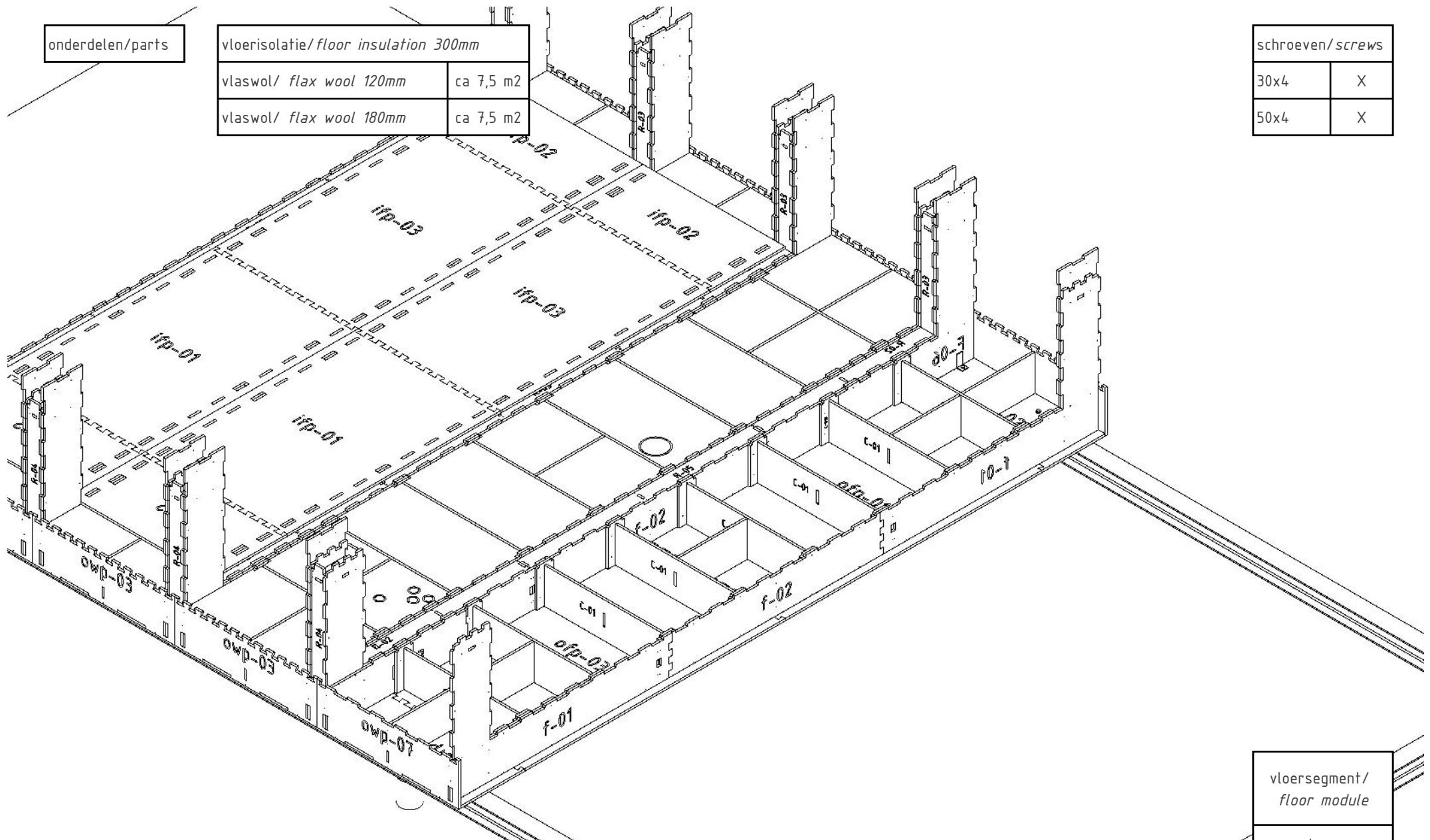
passtukken buitenplaten terugplaatsen / place outer wall pieces again

vloersegment/ floor module
type
B3

onderdelen/parts

vloerisolatie/ floor insulation 300mm
vlaswol/ flax wool 120mm ca 7,5 m ²
vlaswol/ flax wool 180mm ca 7,5 m ²

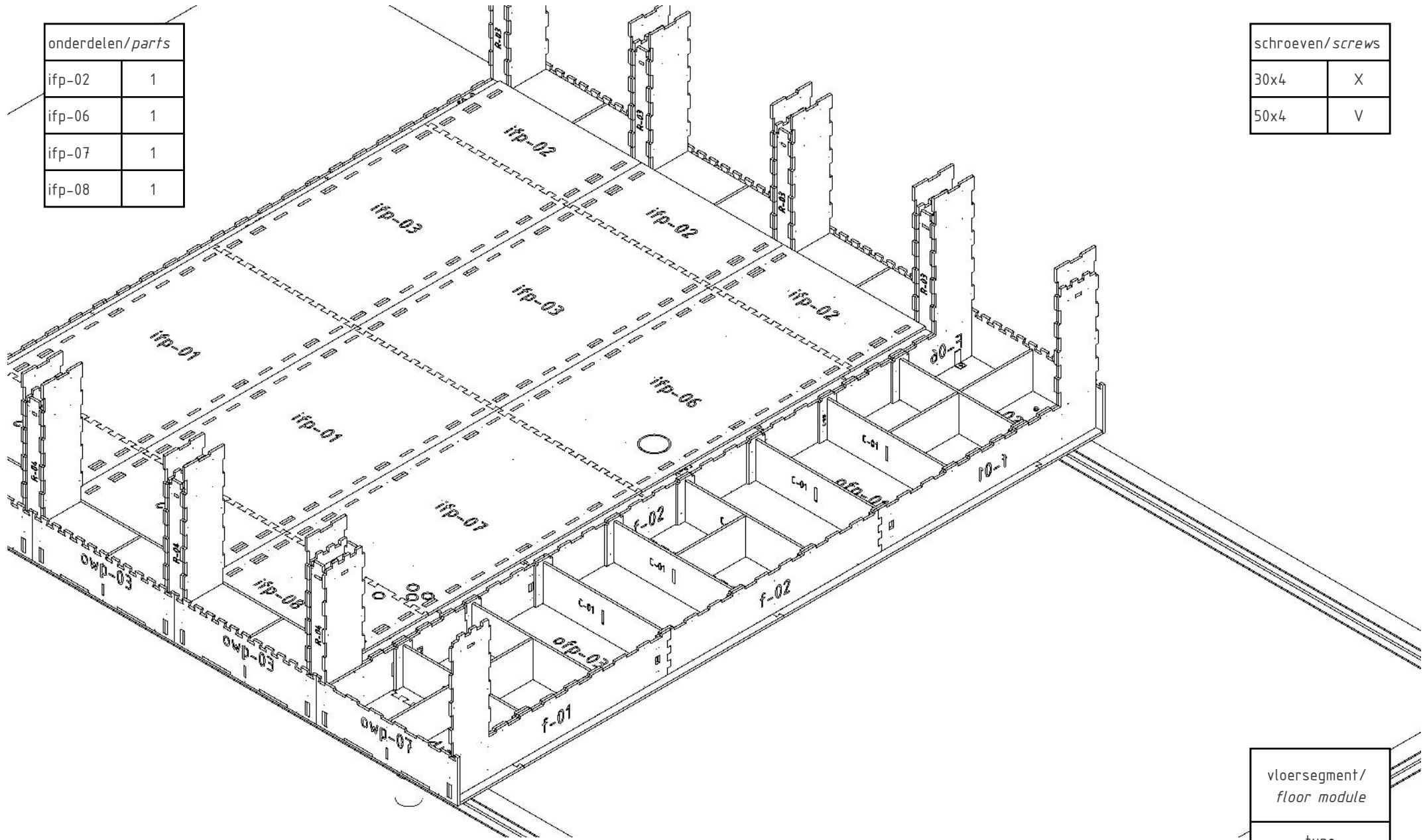
schroeven/ screws
30x4 X
50x4 X



isolatie 1e vloersegment [type B4] aanbrengen /
fill 1st floor module [type B4] with insulation

vloersegment/ floor module
type
B3

onderdelen / parts	
ifp-02	1
ifp-06	1
ifp-07	1
ifp-08	1

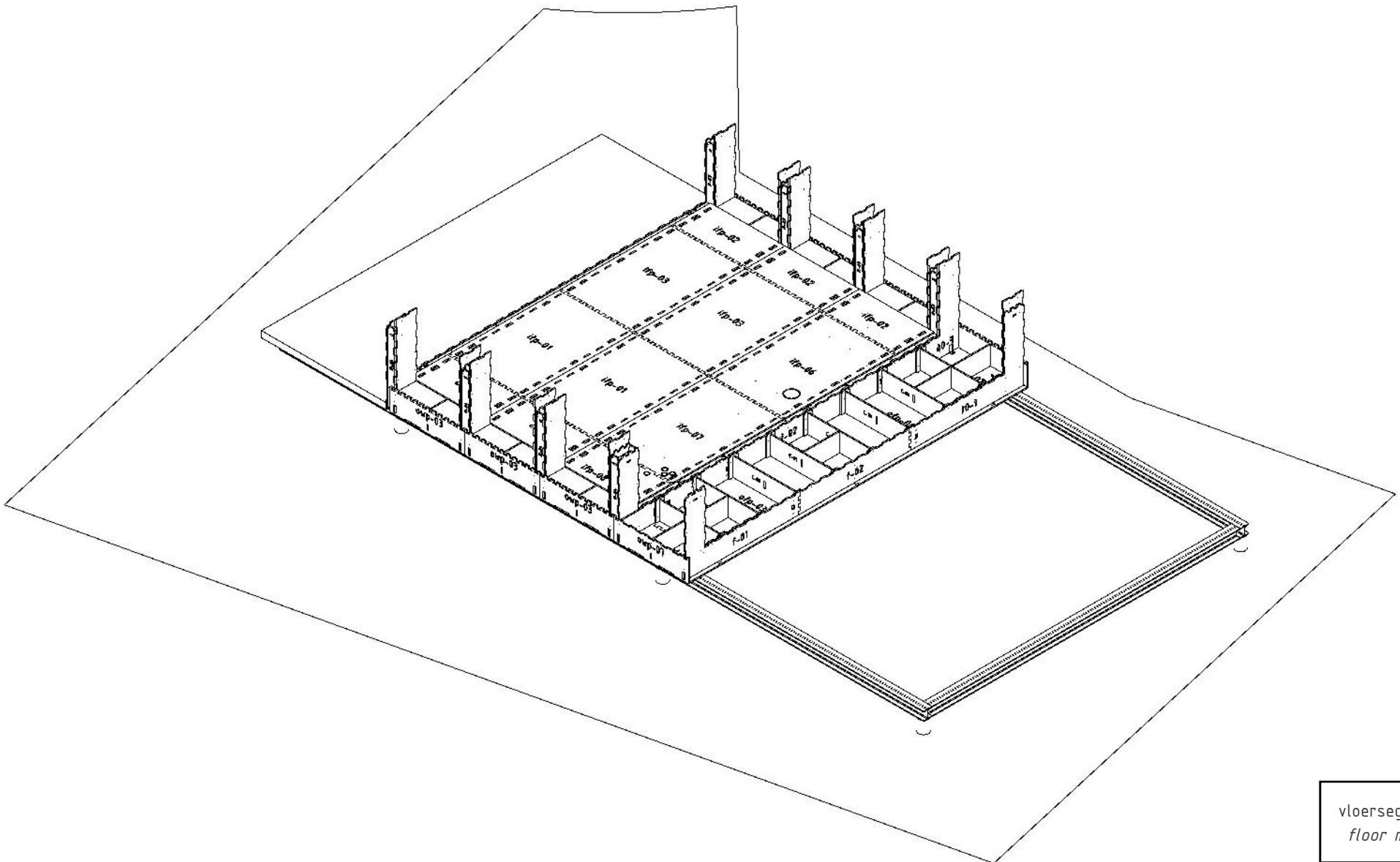


binnenvloerplaten plaatsen / *place inner floor panels*

schroeven / screws	
30x4	X
50x4	V

vloersegment / <i>floor module</i>
type
B3



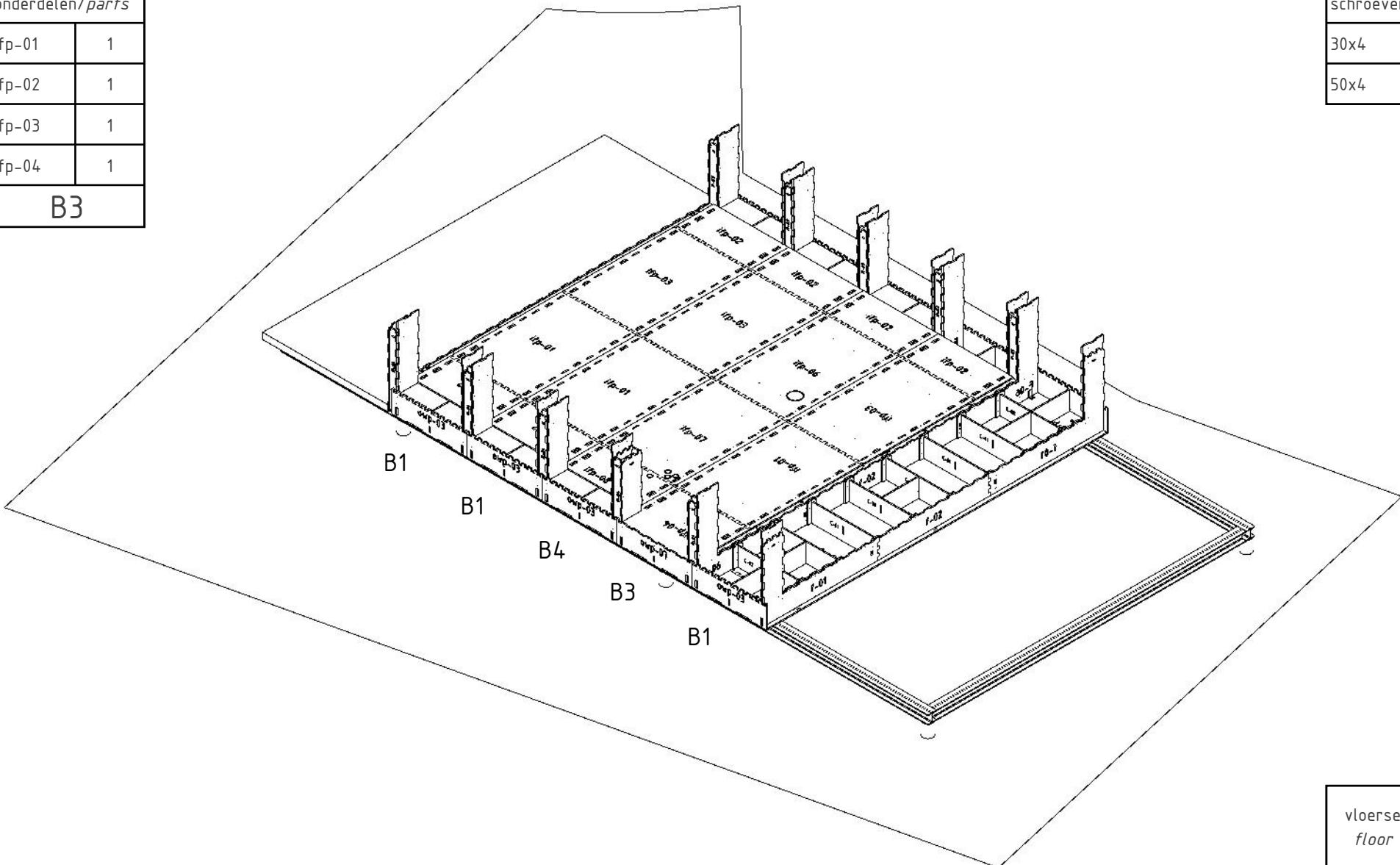


vloersegment/ floor module
type
B3

check positie nogmaals, klaar voor volgend vloersegment /
check position again, ready for next floor module

onderdelen/parts	
ifp-01	1
ifp-02	1
ifp-03	1
ifp-04	1
B3	

schroeven/screws	
30x4	X
50x4	V

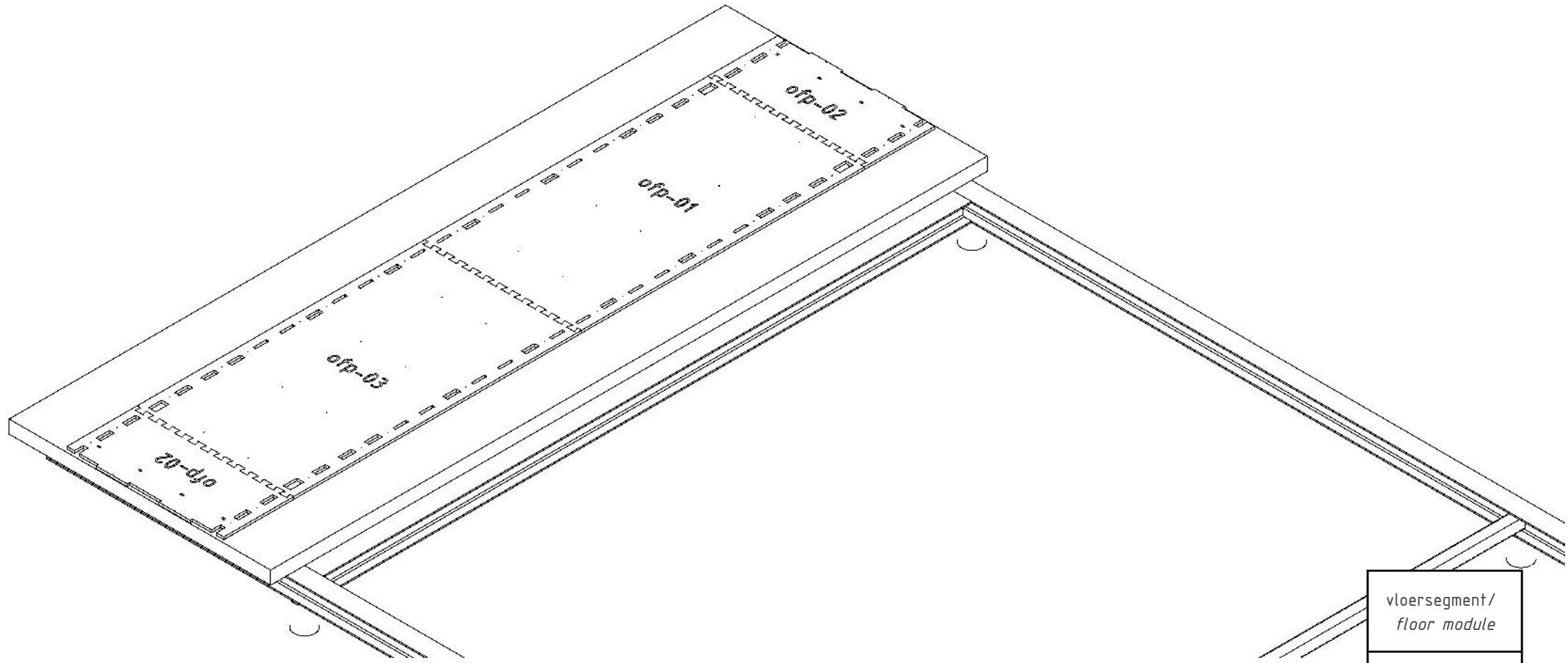


vloersegment/ floor module
type
B3/B1

maak & plaats volgende vloersegment [type B1, zie vanaf p. 22], daarna isoleer & sluit B3 /
build & place next floor module [type B1, see from p. 22], then insulate & close B3

onderdelen/parts	
ofp-01	1
ofp-02	2
ofp-03	1

schroeven/screws	
30x4	X
50x4	X

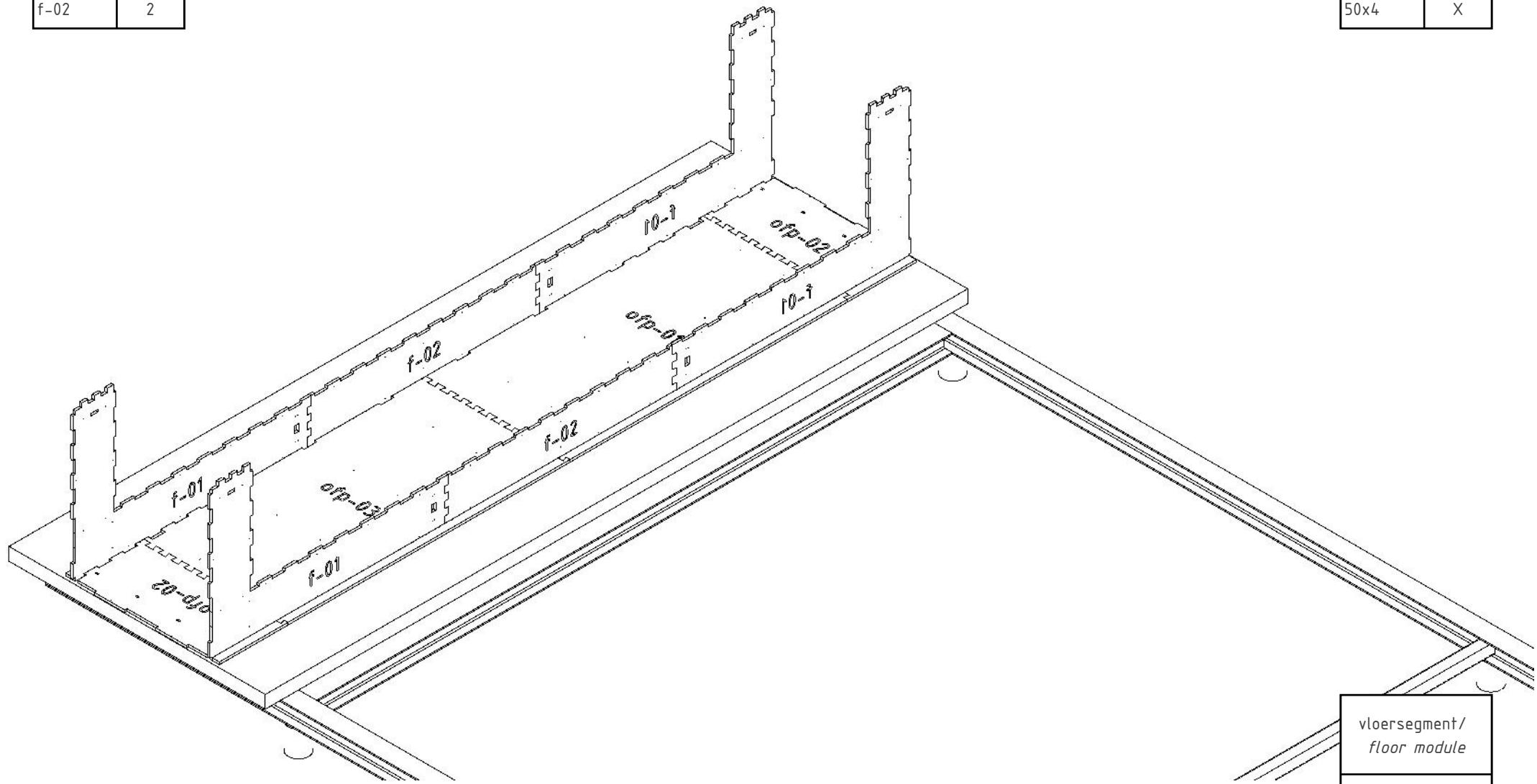


vloersegment met raamopening, vloerplaten onder /
floor module window opening, bottom sheets

vloersegment/ floor module	
type	
B2	

onderdelen/parts	
f-01	4
f-02	2

schroeven/screws	
30x4	X
50x4	X

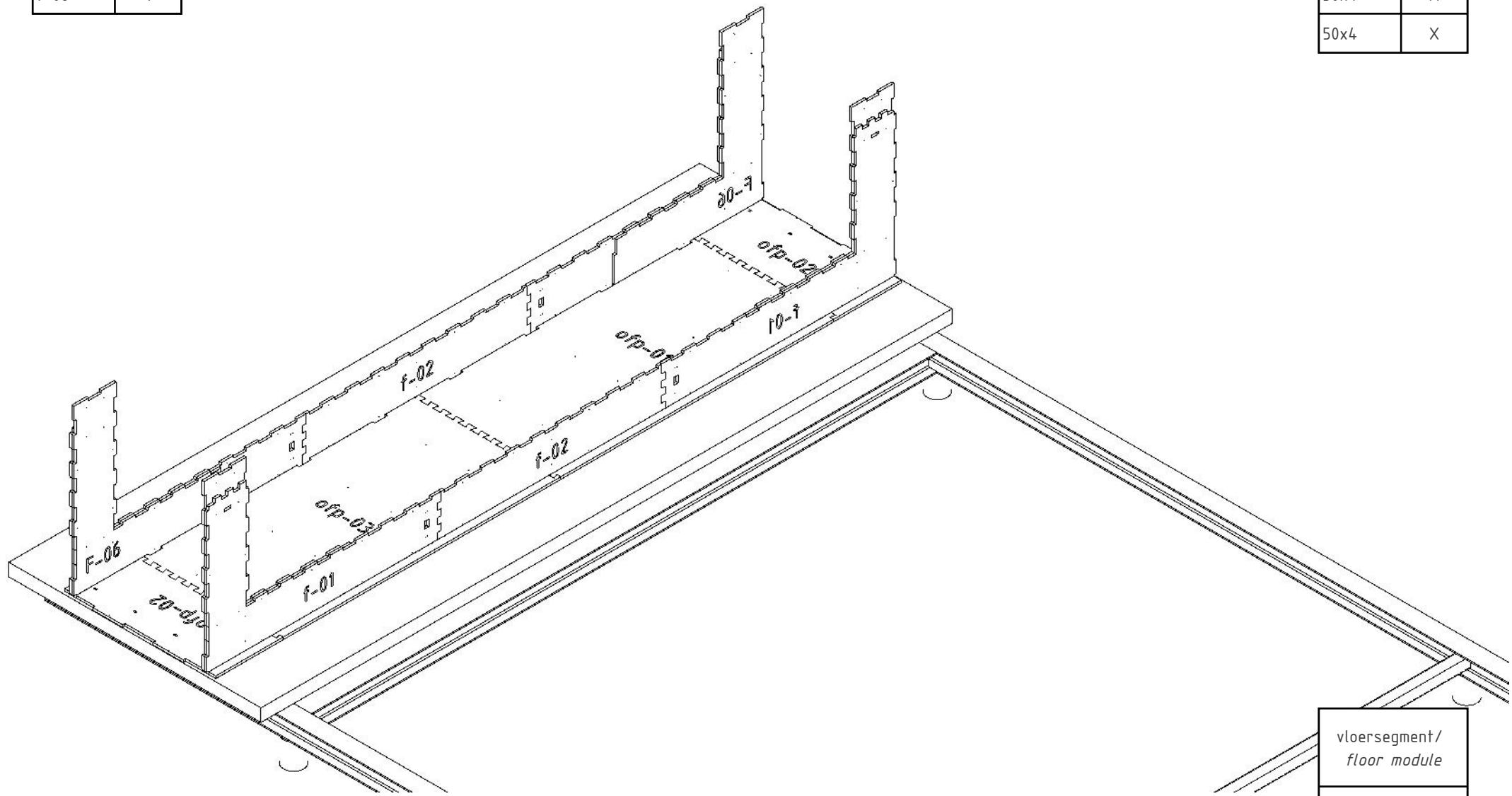


framestukken/ *frame pieces*

vloersegment/ floor module
type
B2

onderdelen/parts	
f-06	4

schroeven/screws	
30x4	X
50x4	X



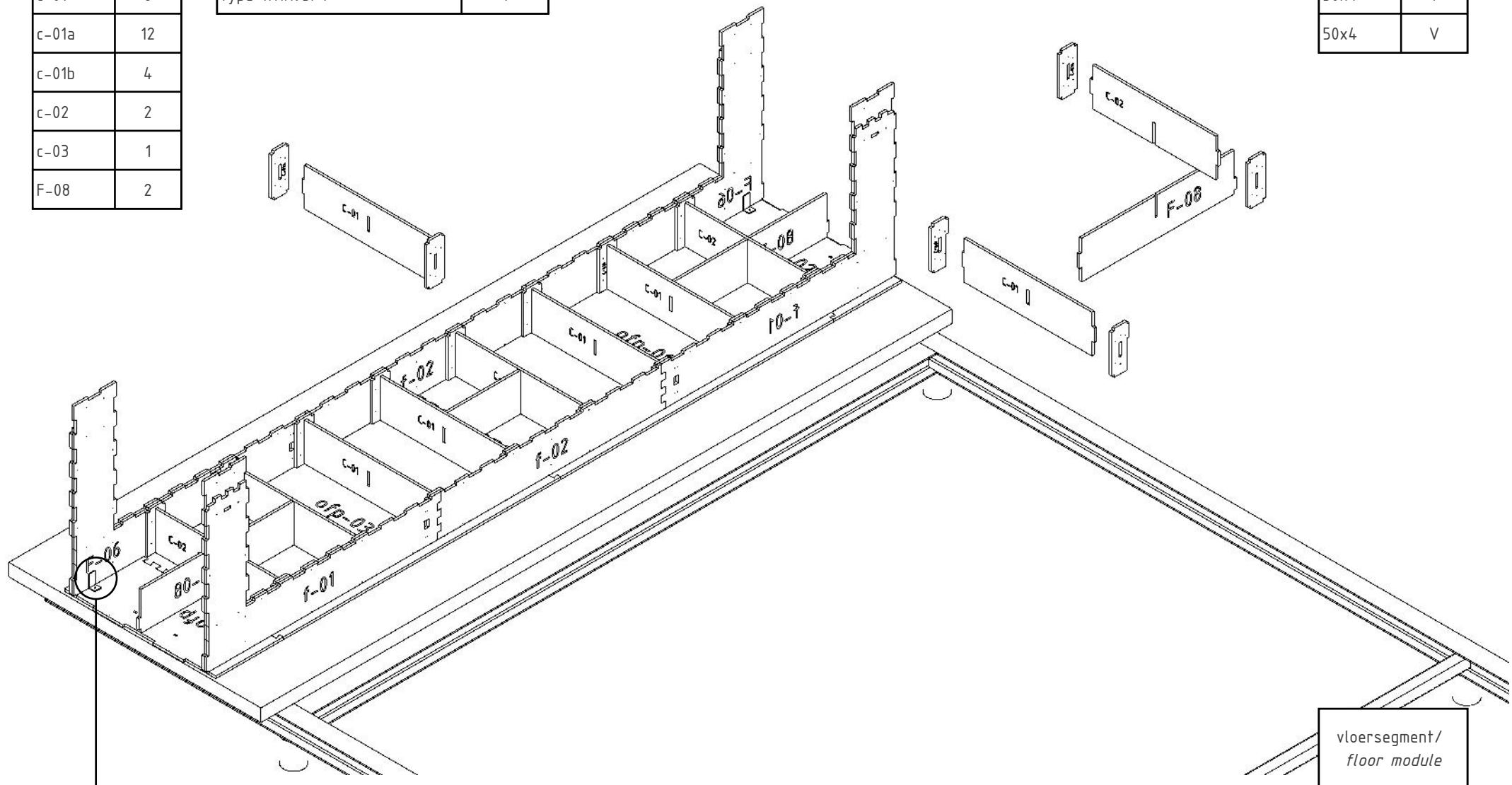
plaats de hoekversterkingen aan de binnenzijde van de framestukken /
place the reinforcement pieces at the inside corners of the frame pieces

vloersegment/ floor module
type
B2

onderdelen/parts	
c-01	6
c-01a	12
c-01b	4
c-02	2
c-03	1
F-08	2

hoekankers/corner cramps	
type WKR95/4	4

schroeven/screws	
30x4	V
50x4	V



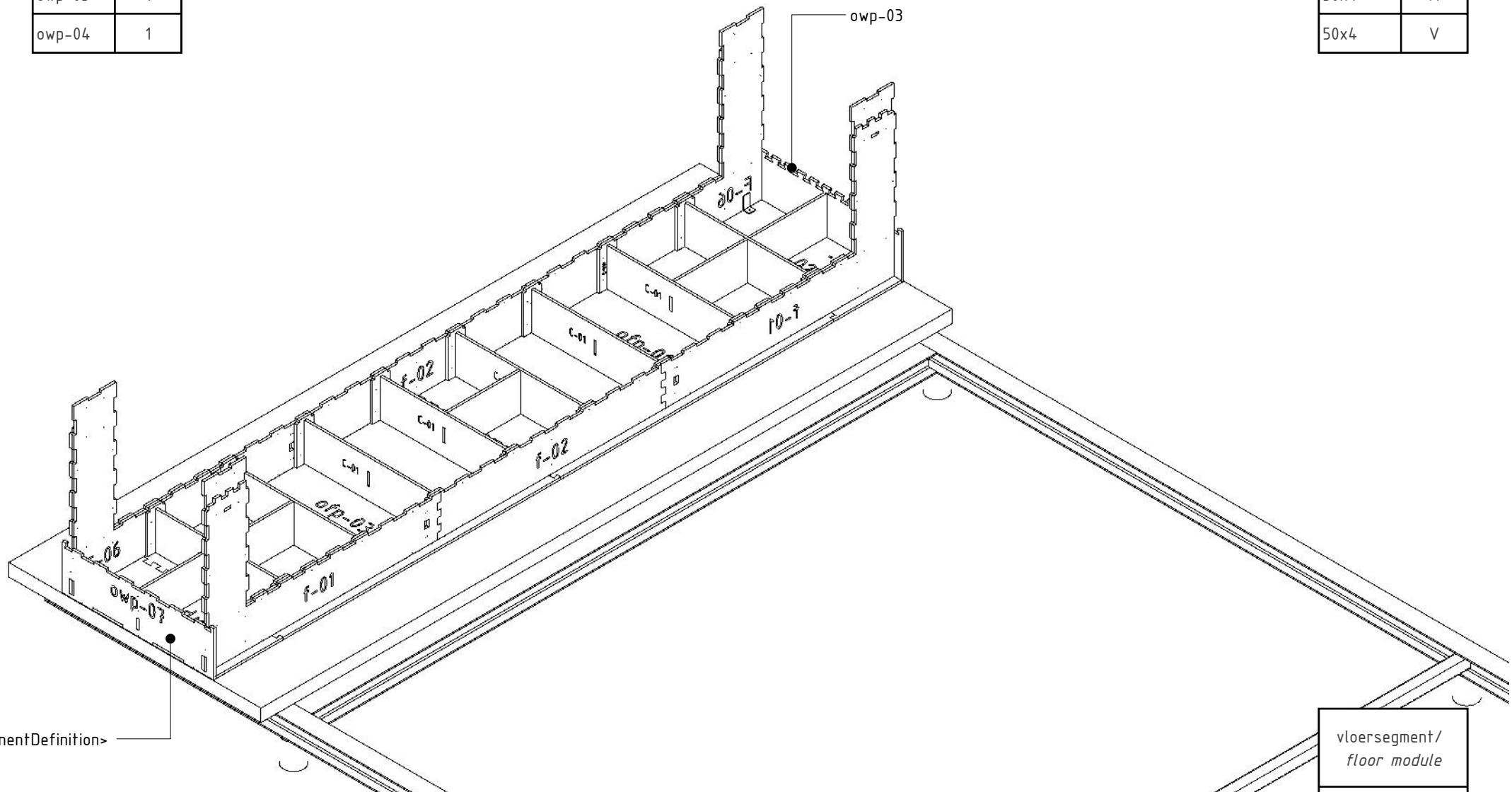
hoekanker type WKR95/4, in elke binnenhoek / in every inside corner

dwarsverbindingen [connectoren], extra ondersteuning vloerrand [F-08] & stalen hoekankers /
connectors, extra support floor edge [F-08] & steel corner cramps

vloersegment/ floor module
type
B2

onderdelen/parts	
owp-03	1
owp-04	1

schroeven/screws	
30x4	X
50x4	V



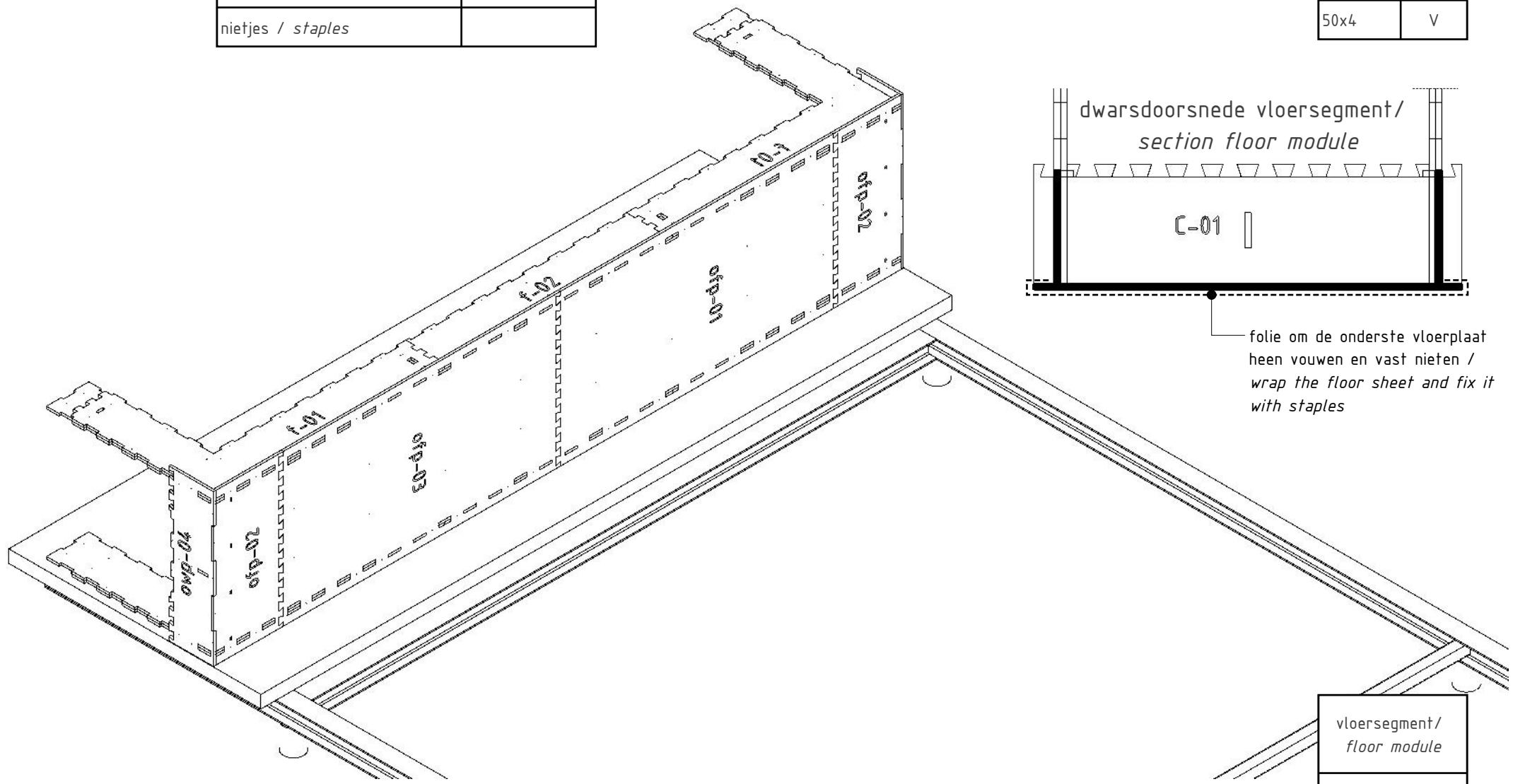
passtuk buitenpaneel beide kanten/ *outer wall piece both sides*

vloersegment/ floor module
type
B2

onderdelen / parts

waterkerende folie / moisturizing-proof foil	
folie / foil	ca 7,5 m ²
nietjes / staples	

schroeven/screws	
30x4	V
50x4	V



kwartslag draaien, bodemplaten vastschroeven & waterkerende dampdoorlatende folie vast nieten /
rotate, screw bottom sheets & staple moisturizing foil to the bottom

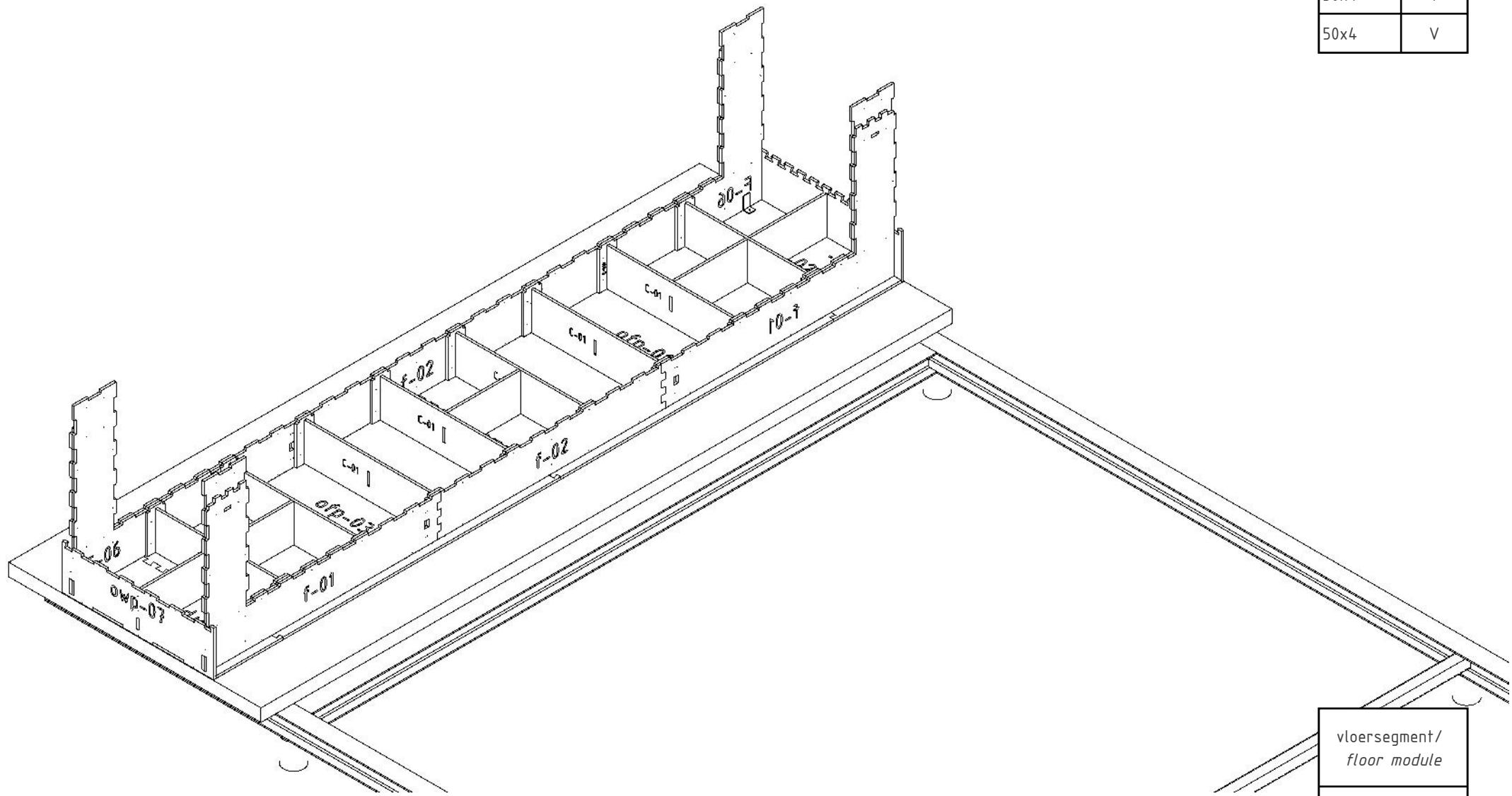
onderdelen / parts

check schroeven! / check screws!

schroeven/screws

30x4	V
------	---

50x4	V
------	---



vloersegment/
floor module

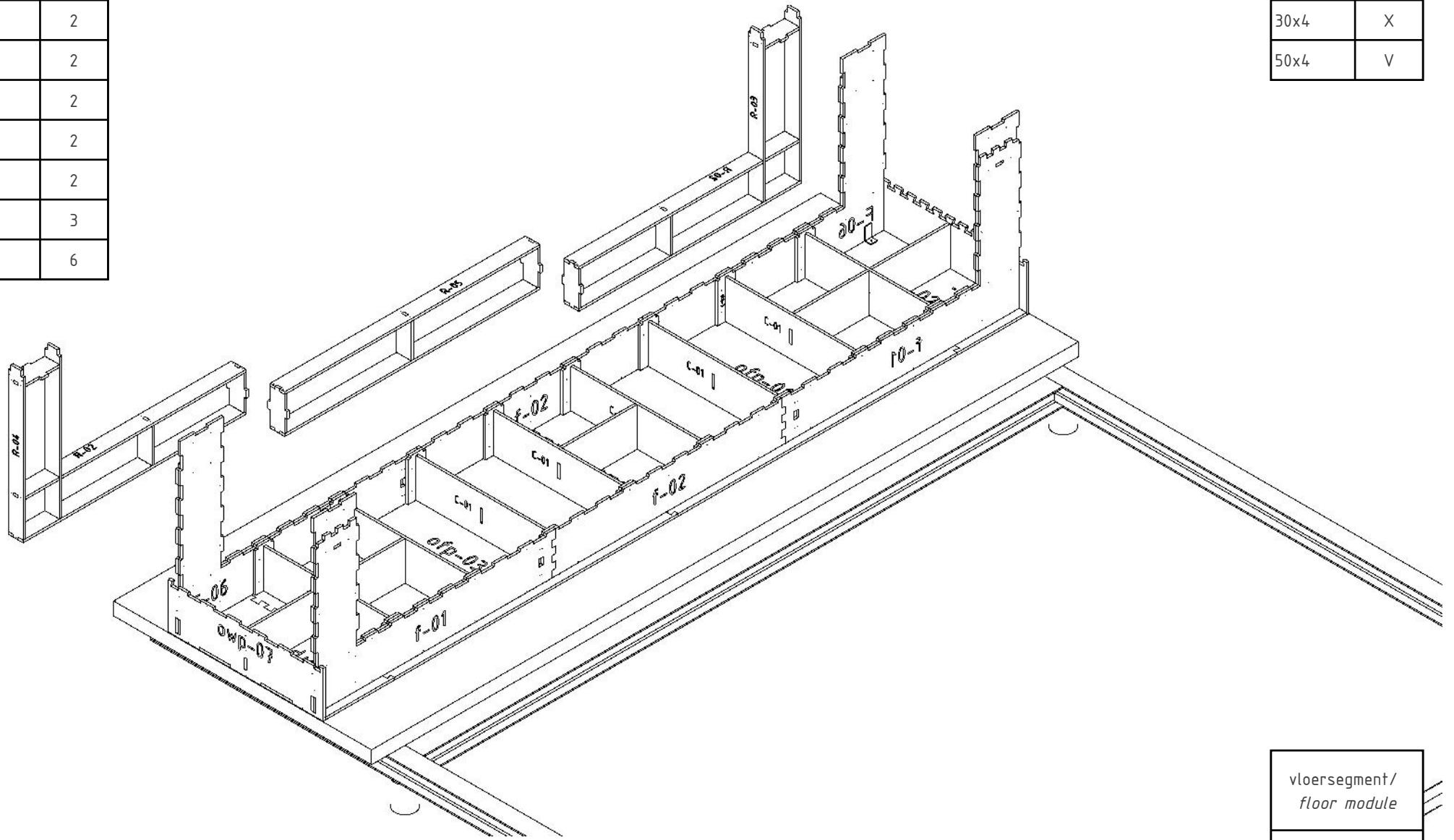
type

B2

check vloersegment / check floor module

onderdelen / parts	
r-01	2
r-02	2
r-03	2
r-04	2
r-05	2
t-01	3
t-02	6

schroeven/ screws	
30x4	X
50x4	V



plaatsen tussenstroken spant aan linkerzijde/
place subframe pieces on the left side

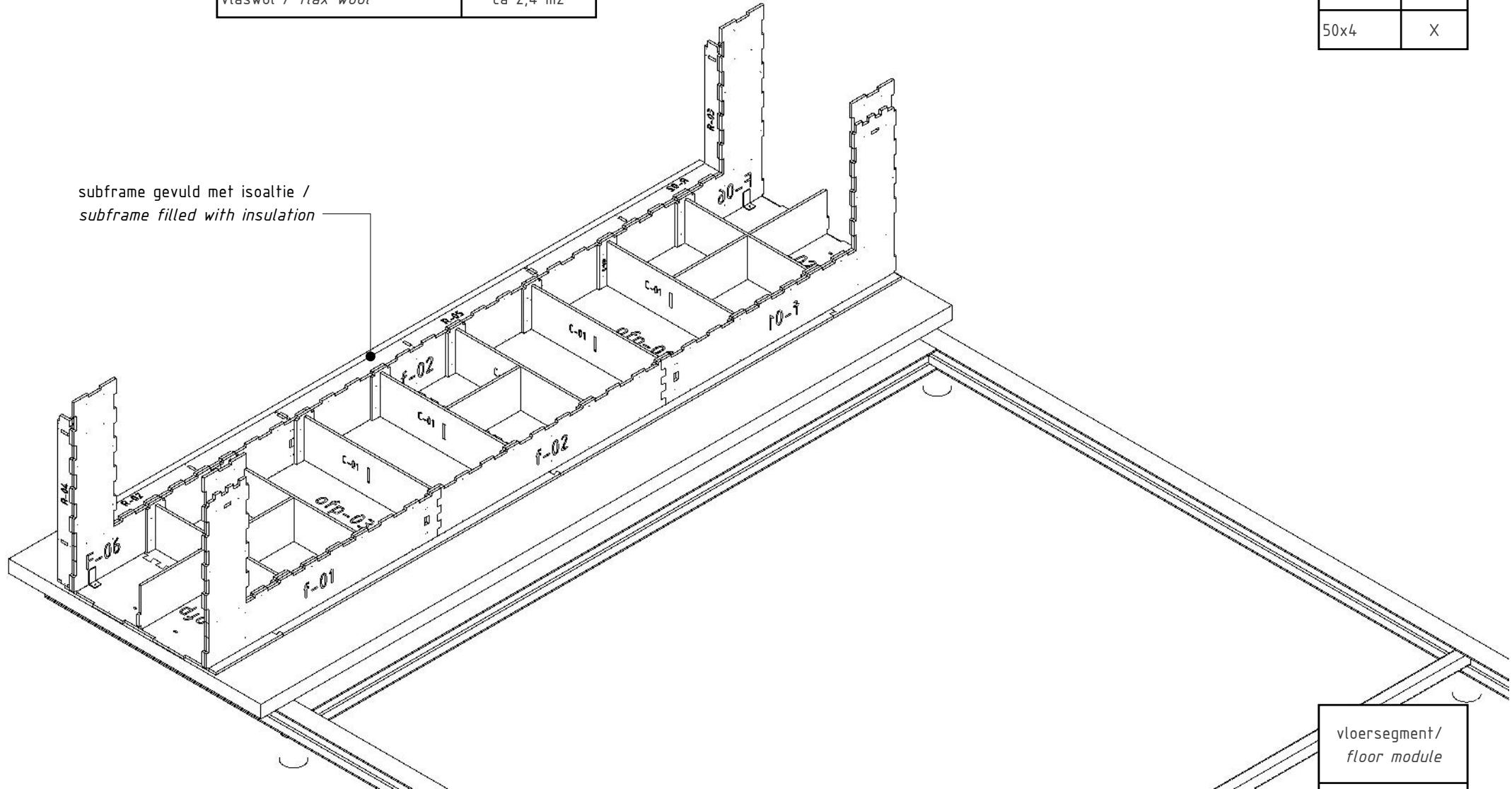


vloersegment /
floor module
type
B2

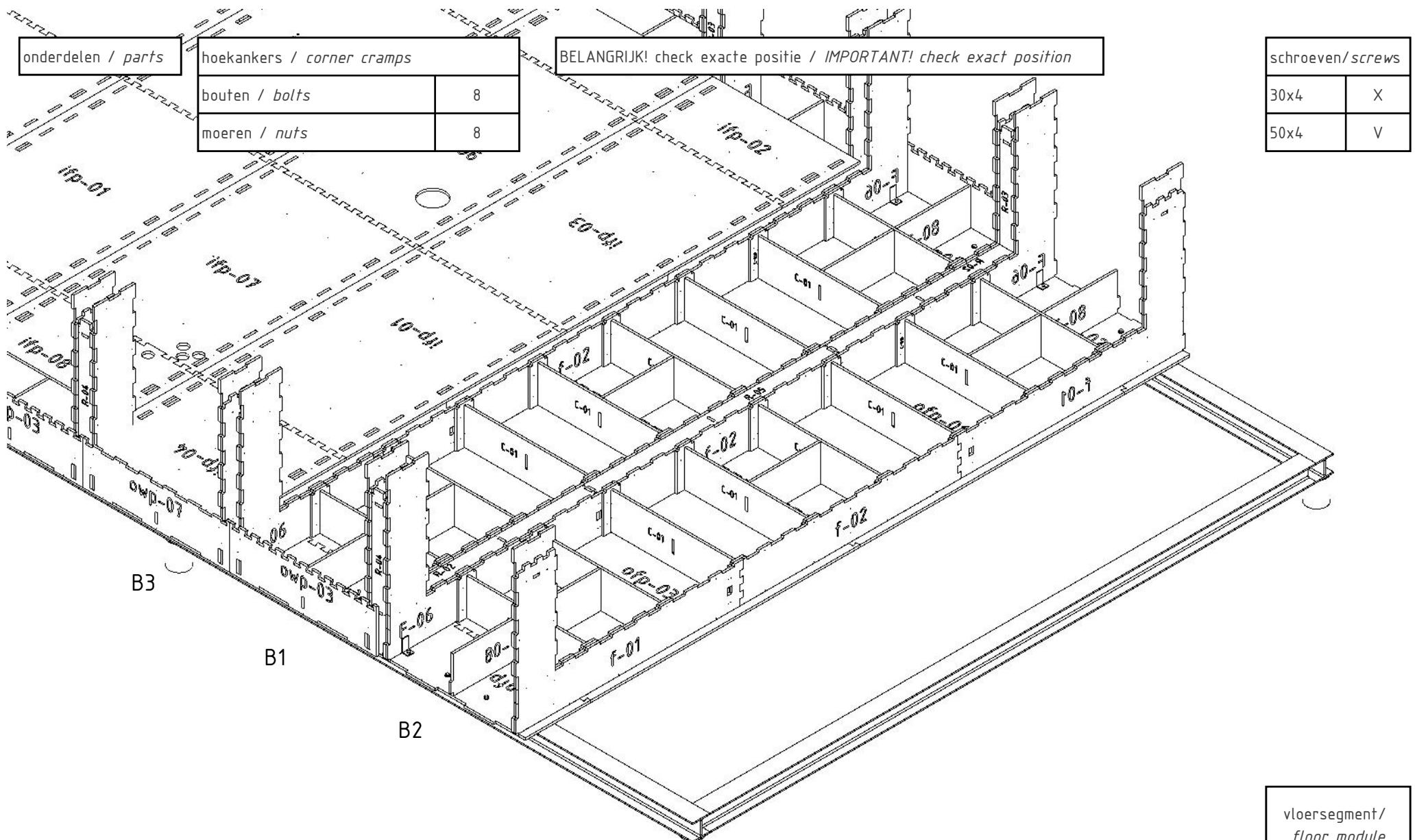
onderdelen/parts

isolatie / insulation	
vlaswol / flax wool	ca 2,4 m ²

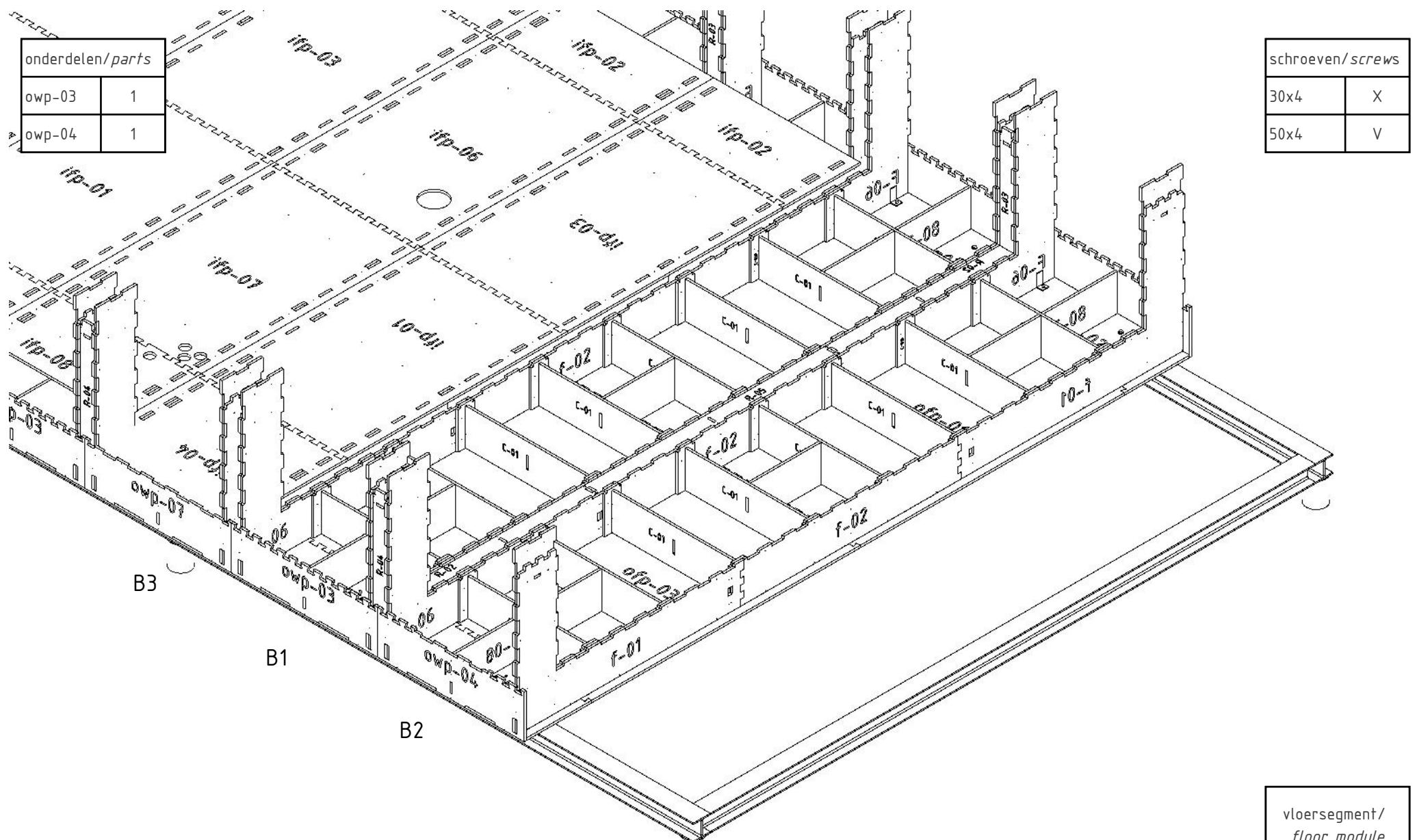
schroeven/screws	
30x4	X
50x4	X



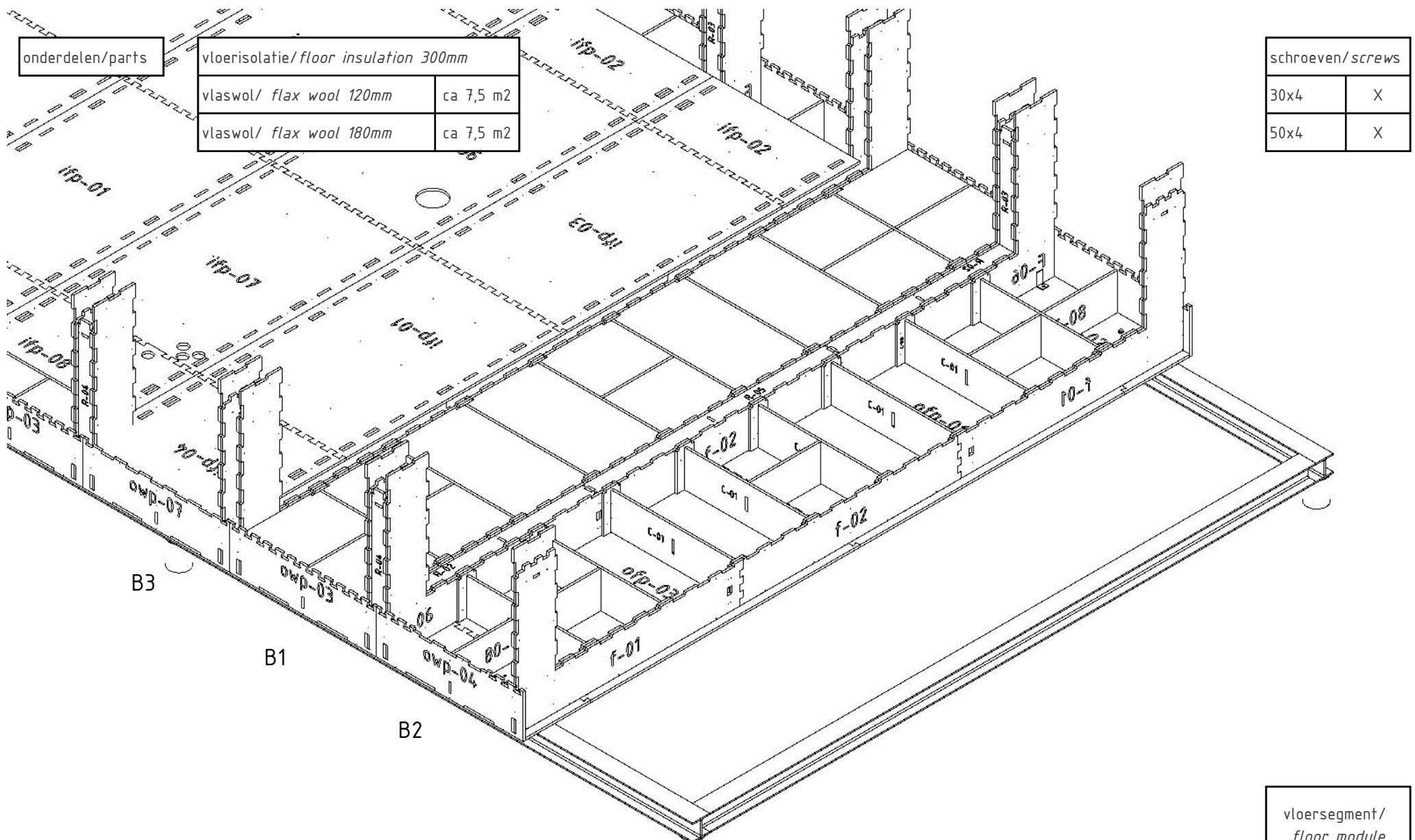
vul het subframe met isolatie, check vloerelement eerst op schroeven voor plaatsing! /
fill up subframe with insulation, check floor module on screws first before positioning!



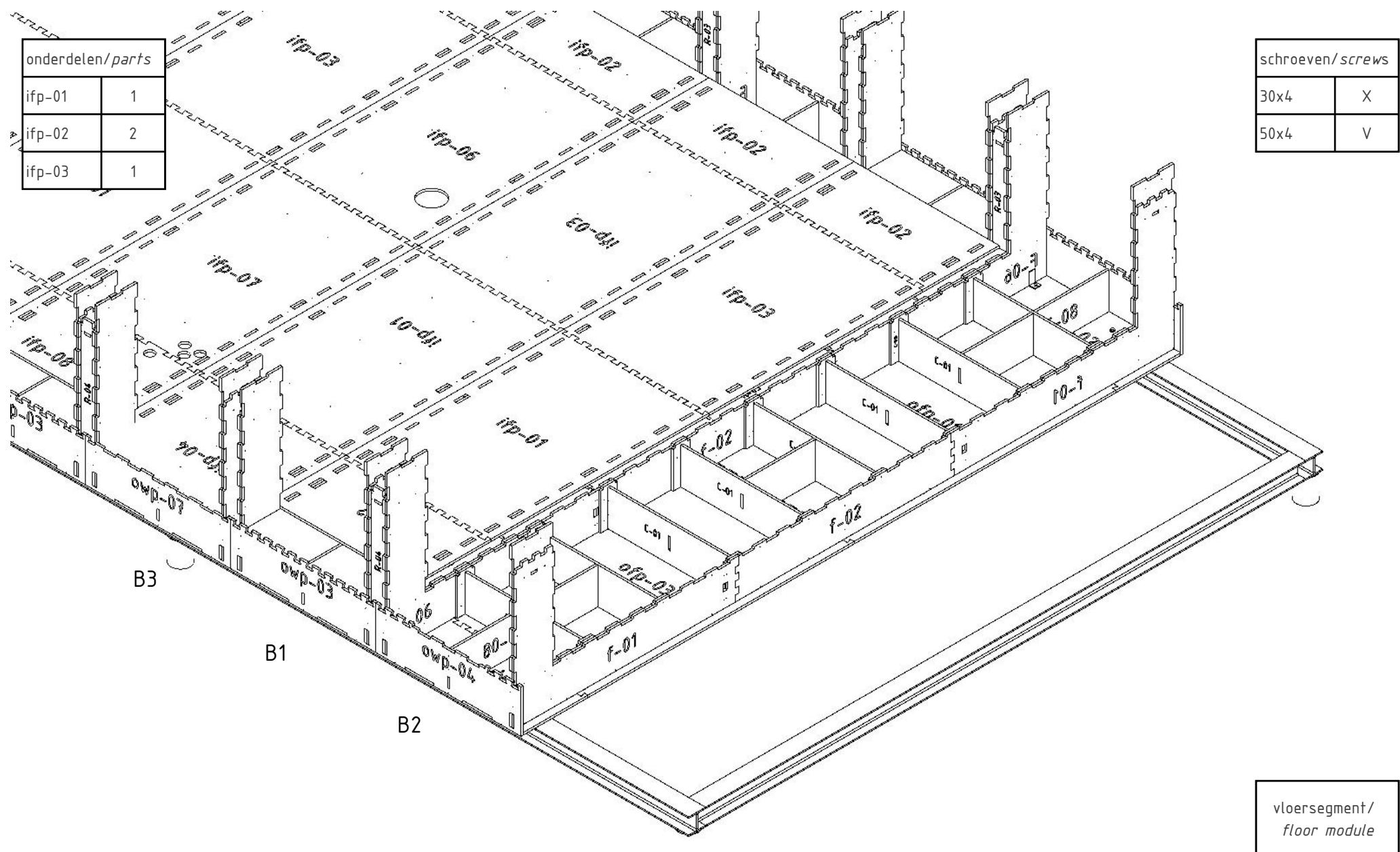
aansluiten op vloersegment [B1], vastbouten [4 elke kant] fundering, vastschroeven subframe /
place next to floor module [B1], fixate with bolts [4 both sides], screws into subframe



passtukken buitenplaten terugplaatsen / place outer wall pieces again



isolatie naasliggende vloersegment [type B1] aanbrengen /
fill floor module next to it [type B1] with insulation



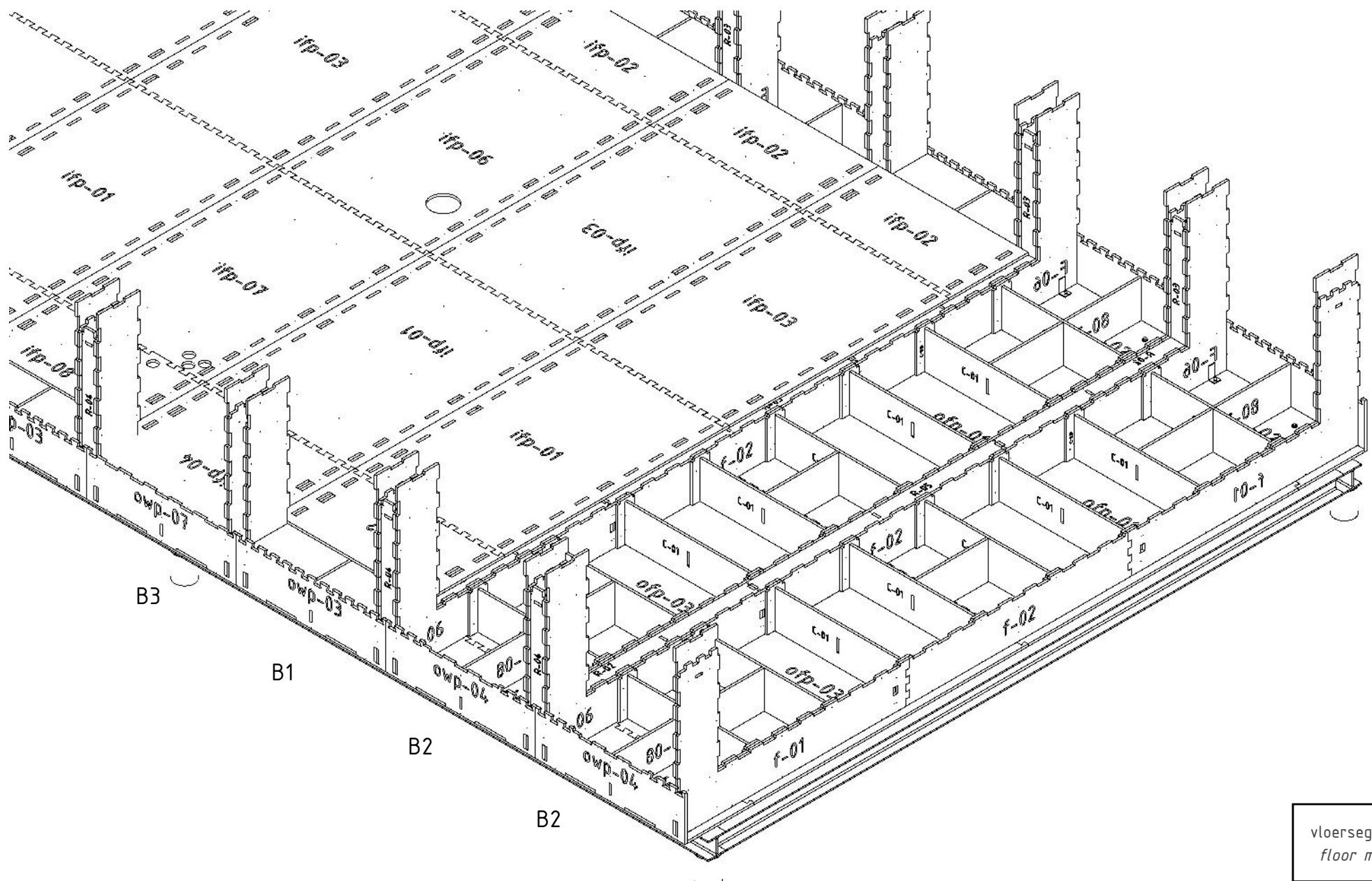
binnenvloerplaten vloersegment type B1 plaatsen /
place inner floor panels floor module type B1



onderdelen / parts	
ifp-01	1
ifp-02	2
ifp-03	1

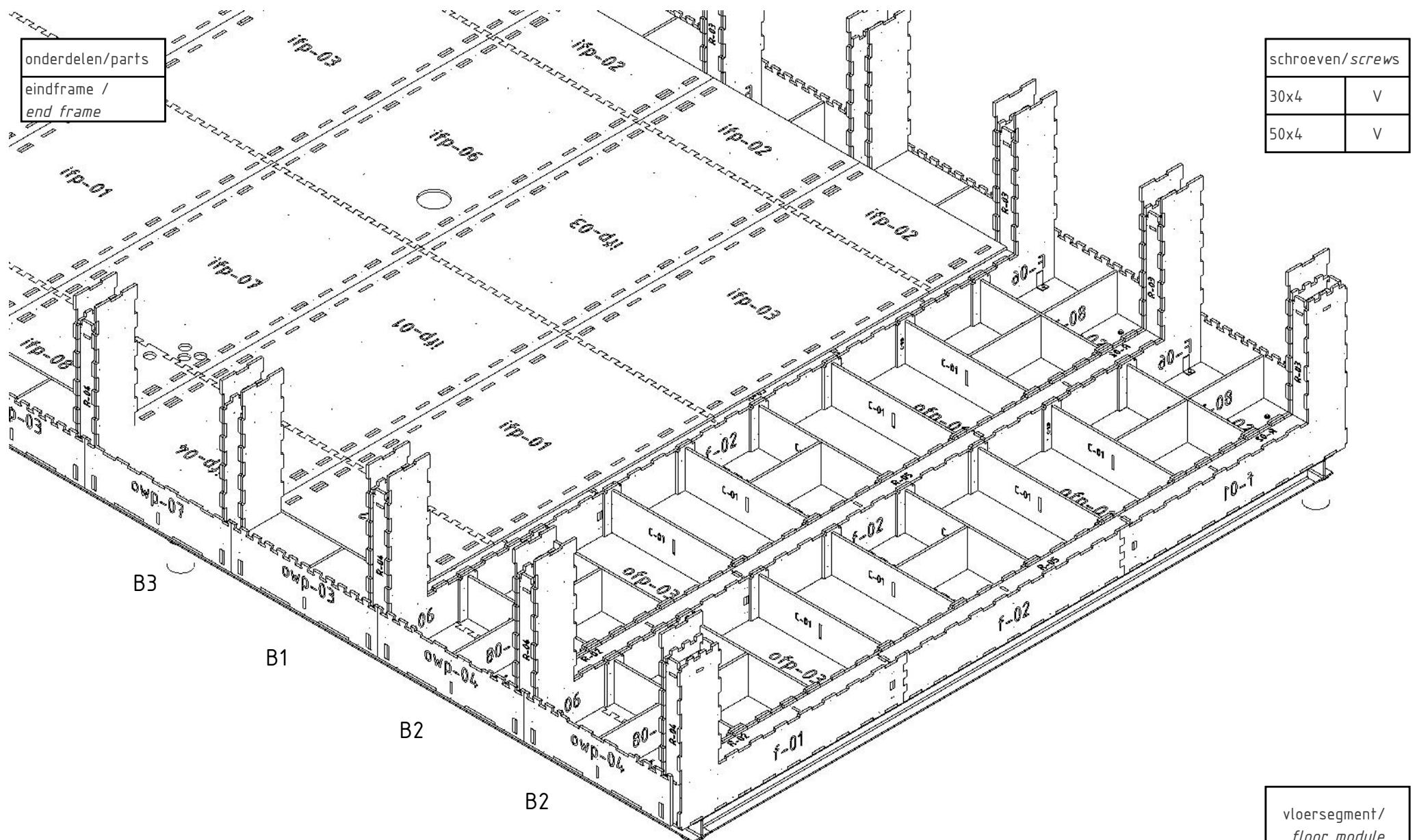
schroeven / screws	
30x4	X
50x4	V

vloersegment / <i>floor module</i>
type
B2



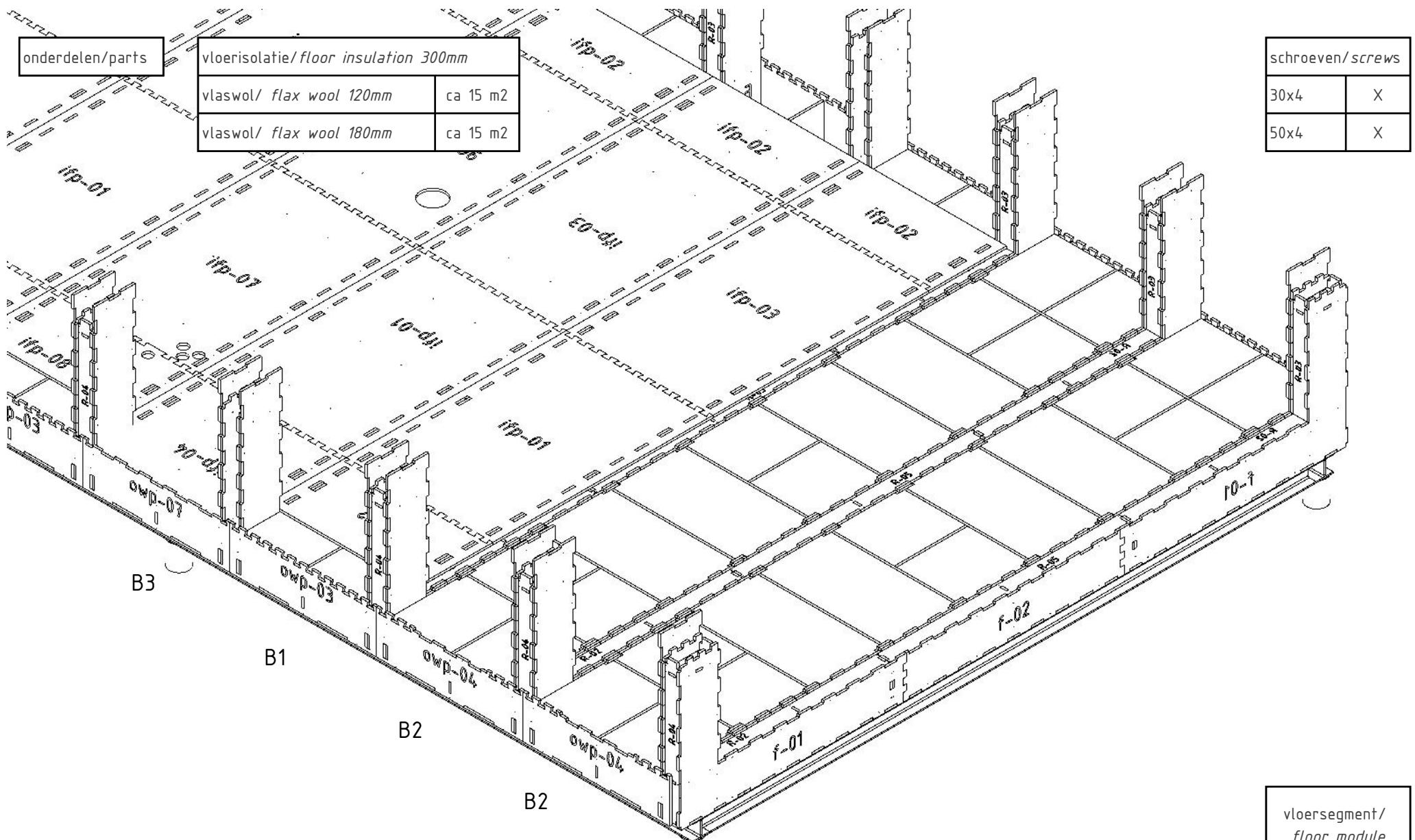
vloersegment/ floor module
type
B2

maak & plaats laatste vloersegment [type B2, zie vanaf p. 55] /
build & place final floor module [type B2, see from p. 55]



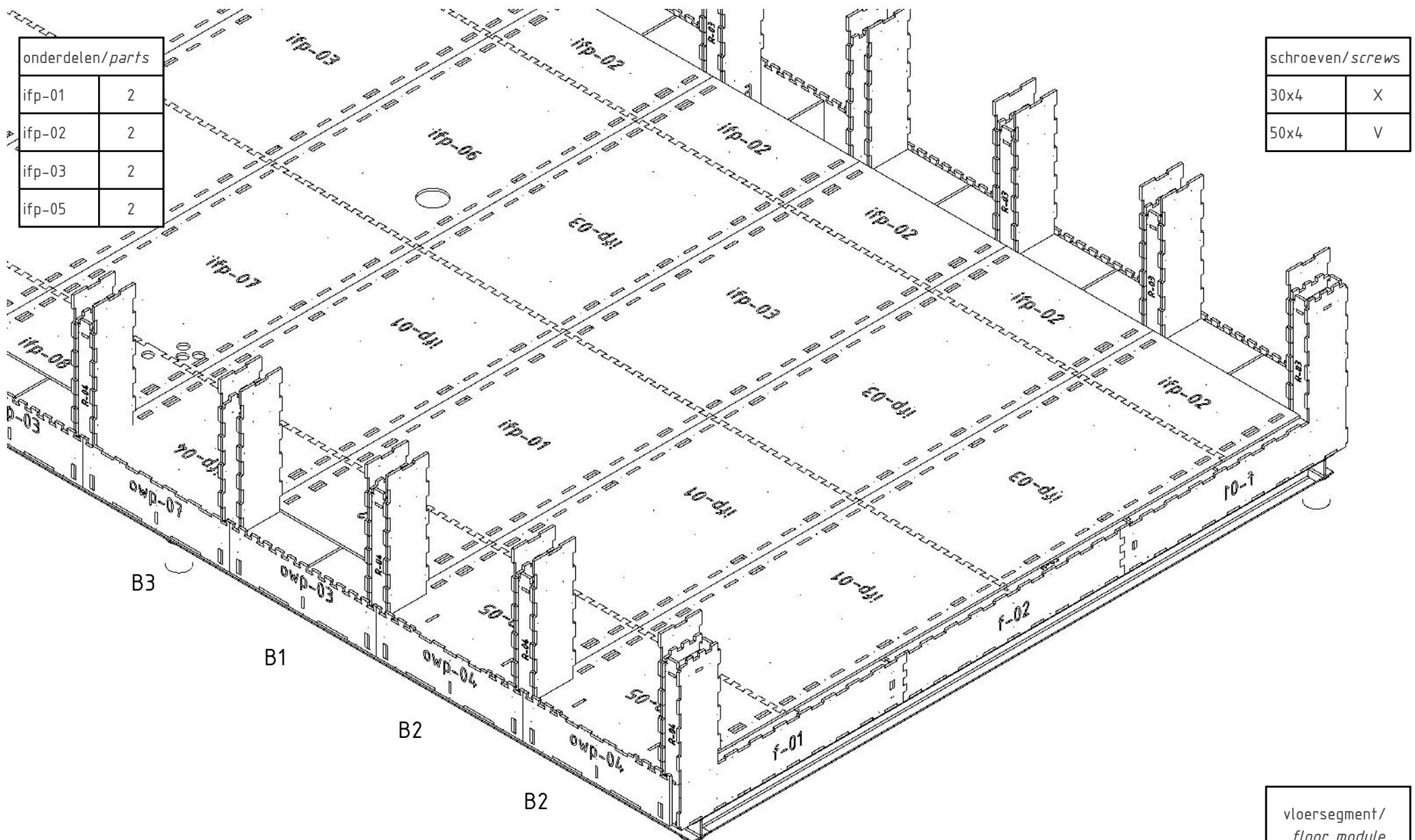
maak & plaats eindframe [zie p.34] en schroef vast vanaf de binnenkant van het vloersegment /
build & place end frame [page 34] and fixate with screws from the inside of the floor module

vloersegment/ floor module
type
B2



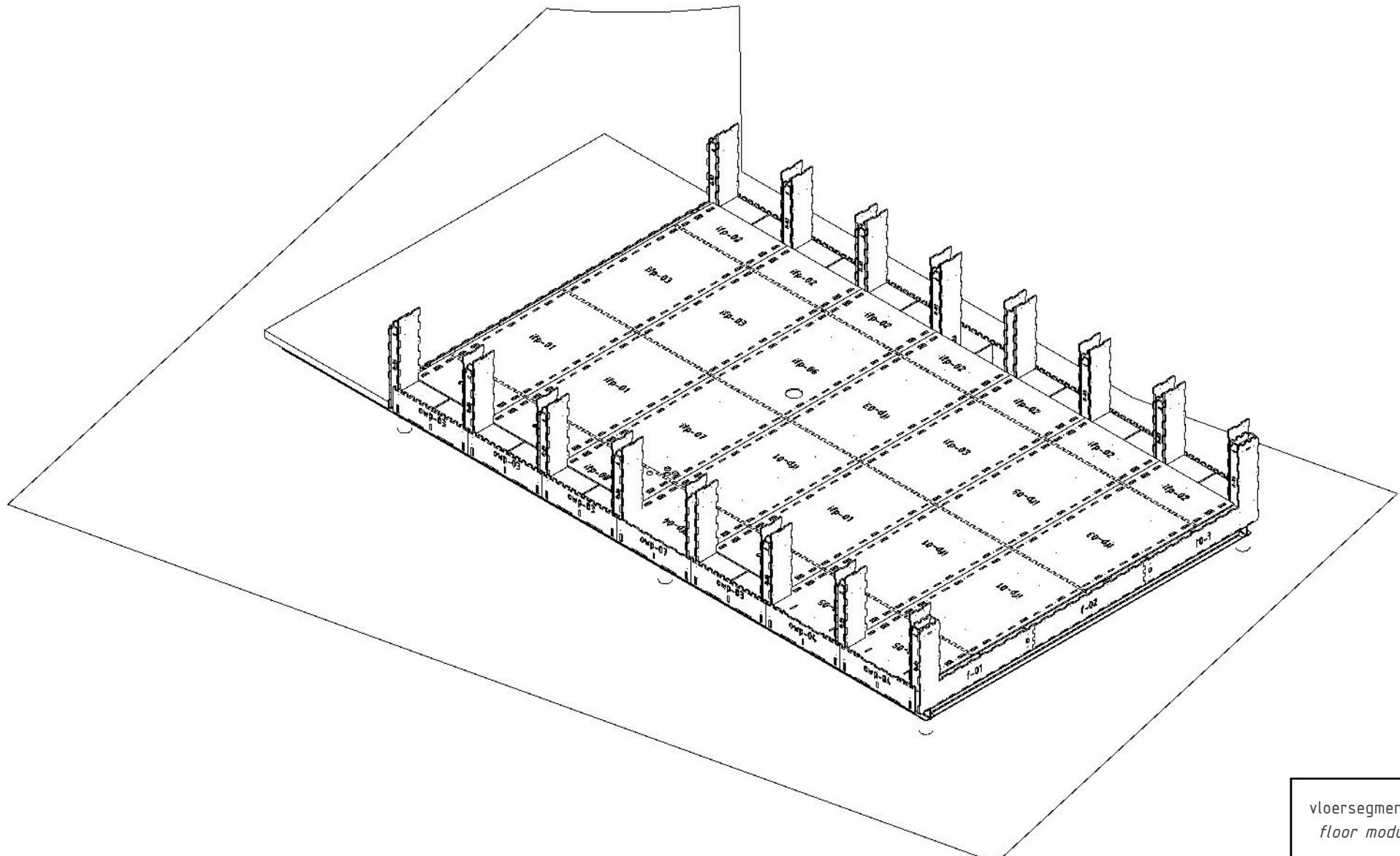
isolatie laatste 2 vloersegmenten aanbrengen /
fill final 2 floor modules with insulation

vloersegment/ floor module
type
B2



binnenvloerplaten laatste vloersegmenten plaatsen /
place inner floor panels final floor modules

vloersegment/ floor module
type
B2



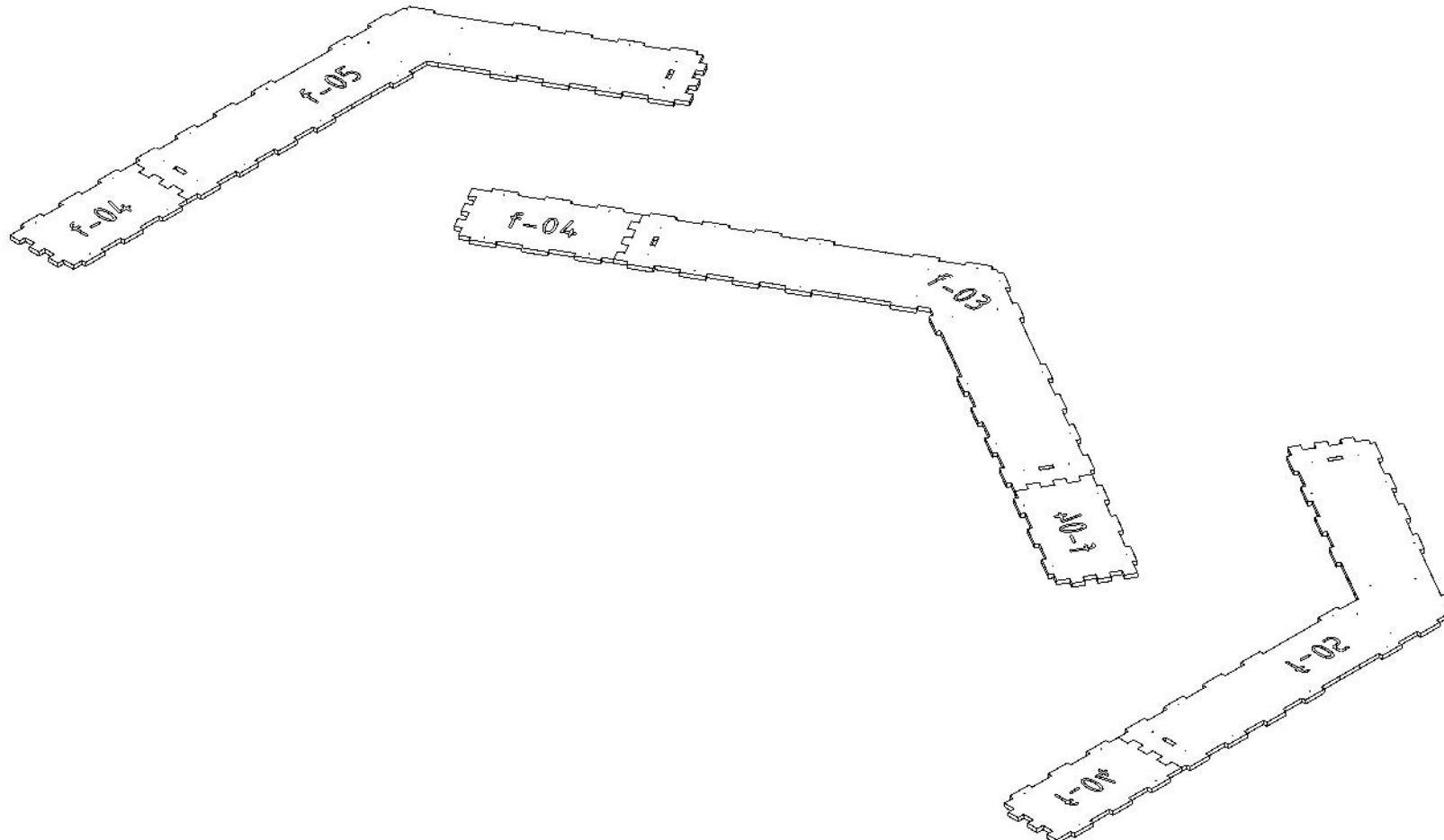
vloersegment/
floor module

type

B

vloer af / *floor finished*

onderdelen/parts	
F-03	1
F-04	4
F-05	2

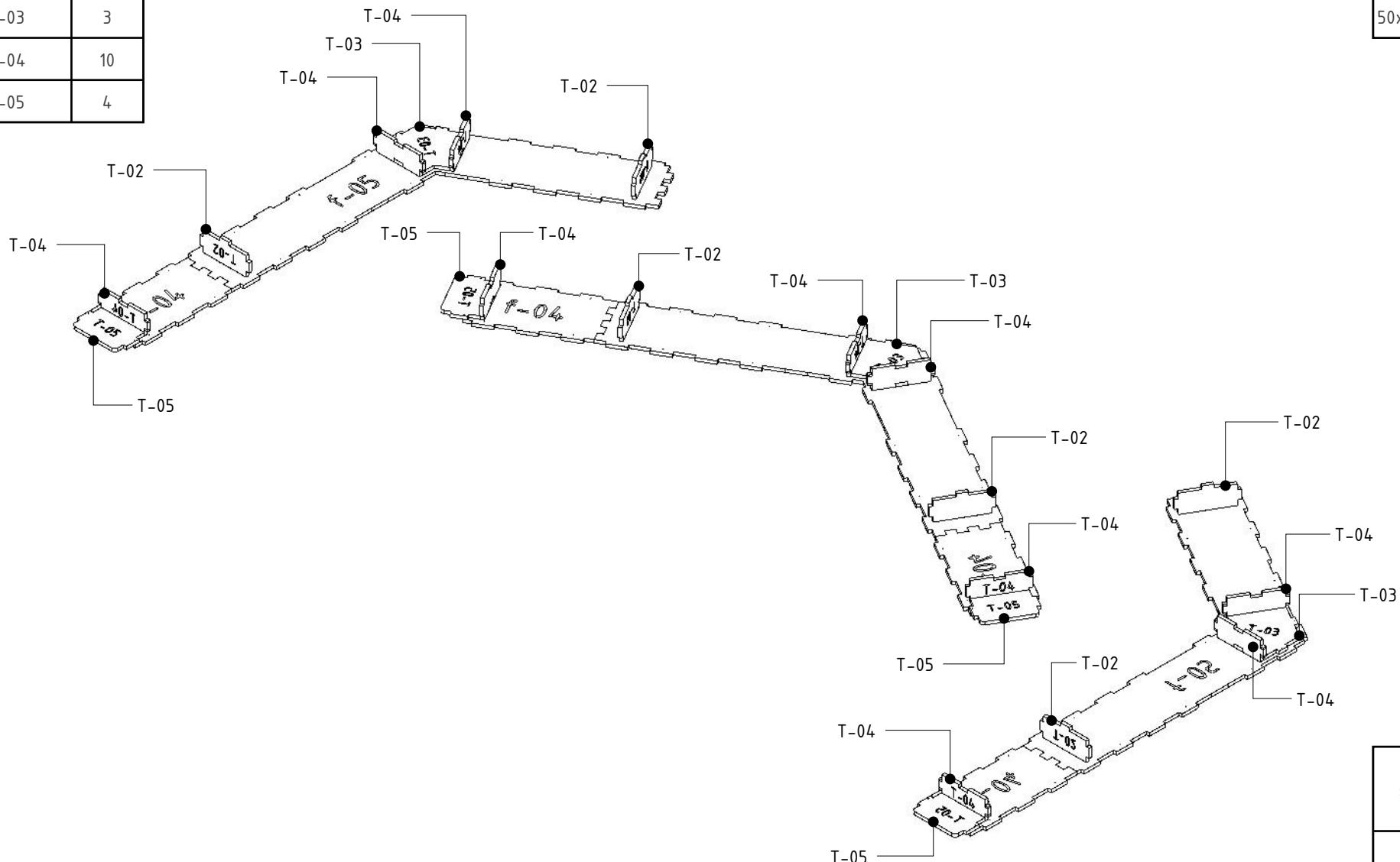


spant/ frame
step 1/8
C

op vlakke vloer het spant in 3 delen plat opbouwen /
build the frame flat on a plane floor in 3 parts

onderdelen/parts	
T-02	6
T-03	3
T-04	10
T-05	4

schroeven/screws	
30x4	V
50x4	V

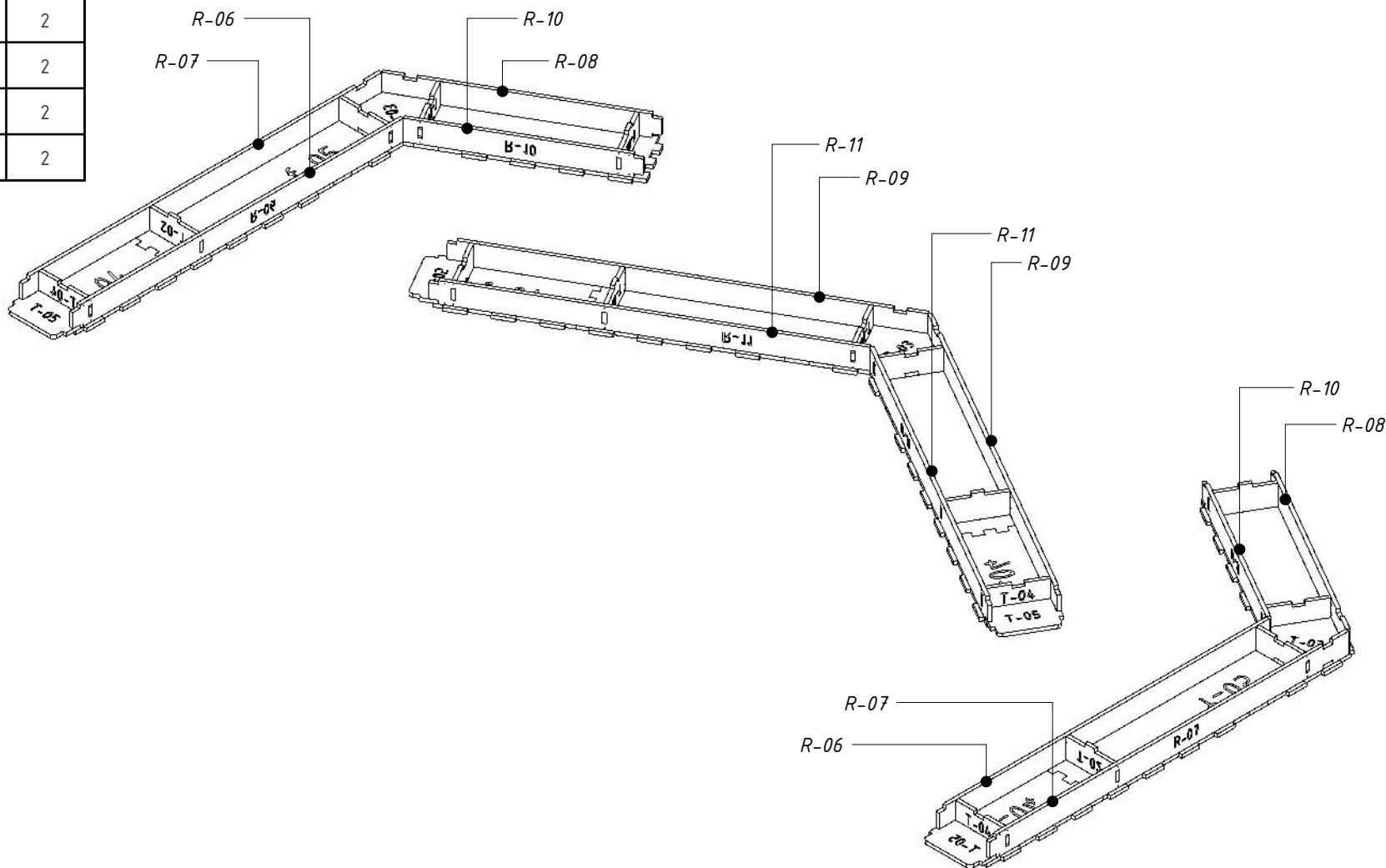


het subframe opbouwen/ build the subframe

spant/ frame
step 2/8
C

onderdelen/parts	
R-06	2
R-07	2
R-08	2
R-09	2
R-10	2
R-11	2

schroeven/screws	
30x4	X
50x4	V



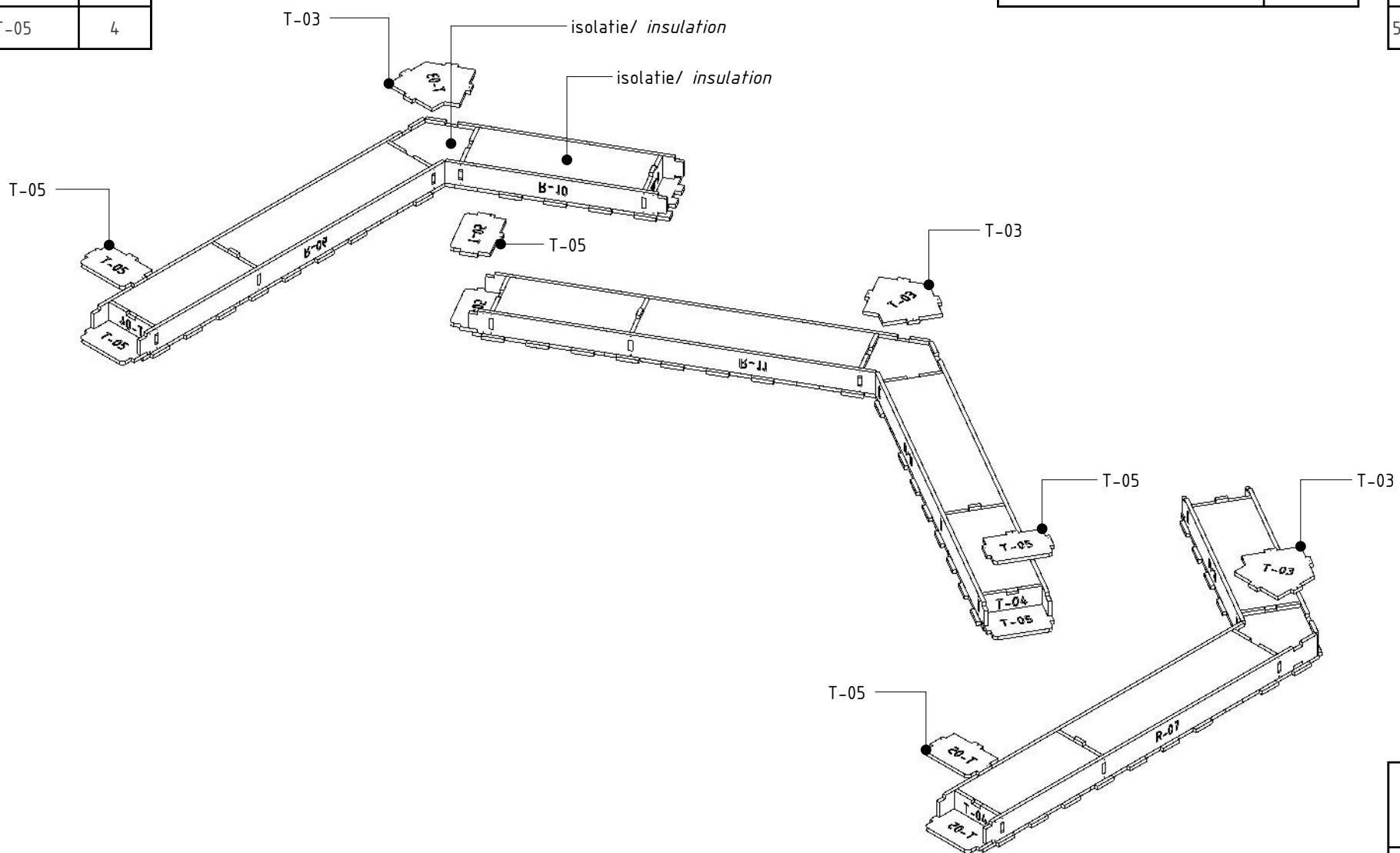
het subframe opbouwen / build the subframe

spant/ frame
step 3/8
C

onderdelen/parts	
T-03	3
T-05	4

spantisolatie/ frame insulation 120mm	ca 3m ²
vlaswol/ flax wool 120mm	

schroeven/screws	
30x4	X
50x4	V

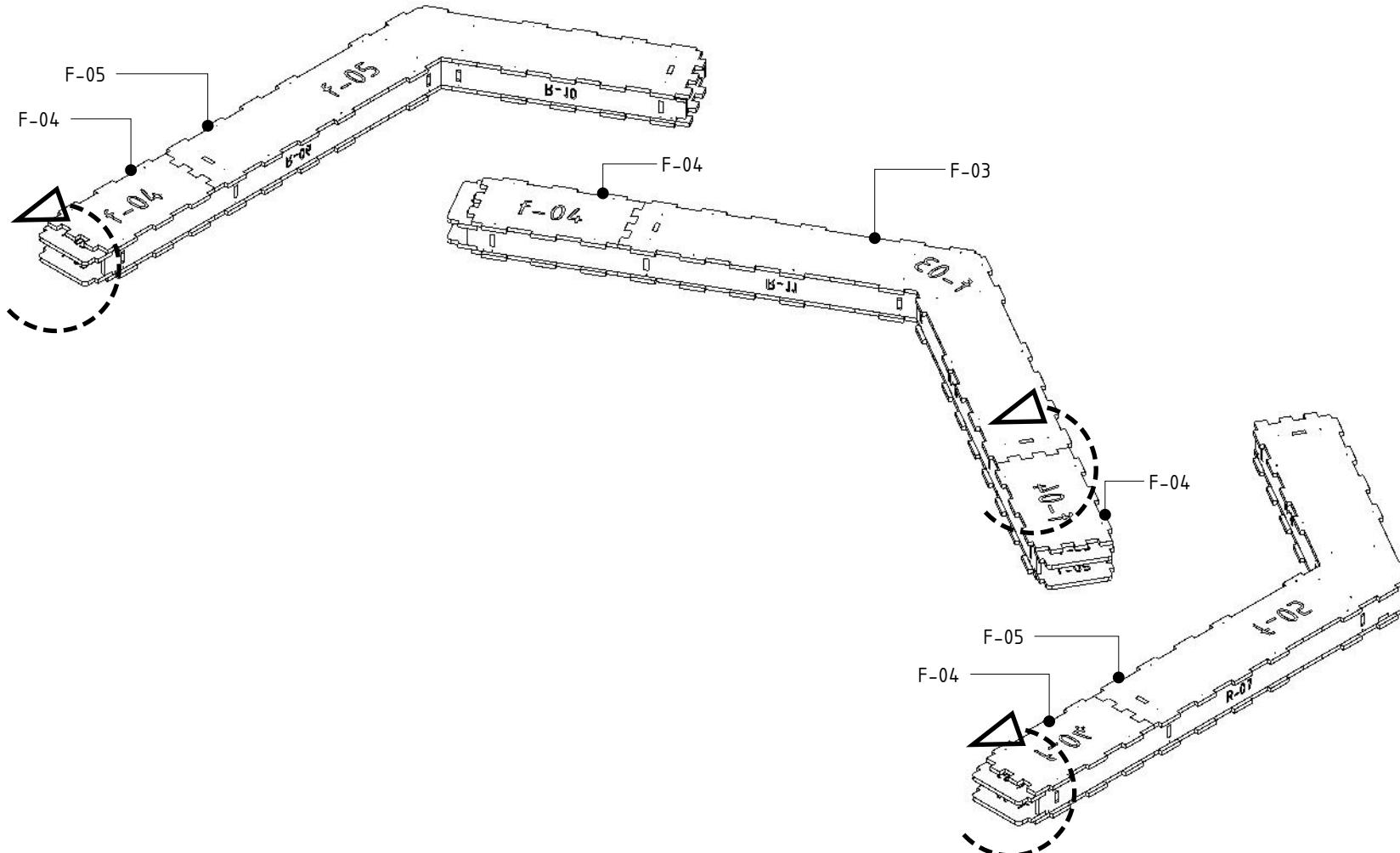


het gehele spant vullen met isolatie /
fill the whole frame with insulation

spant/ frame
step 4/8
C

onderdelen/parts	
F-03	1
F-04	4
F-05	2

schroeven/screws	
30x4	X
50x4	V

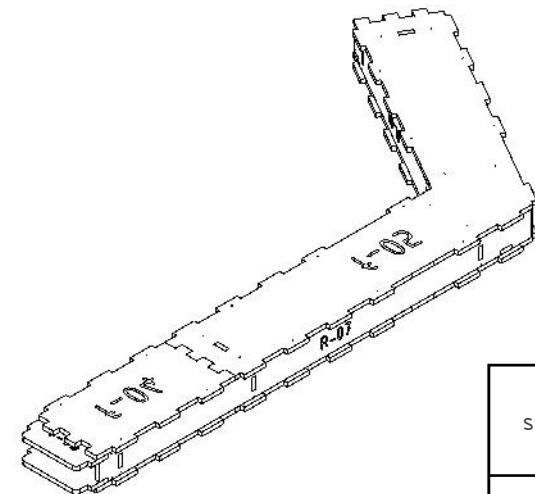
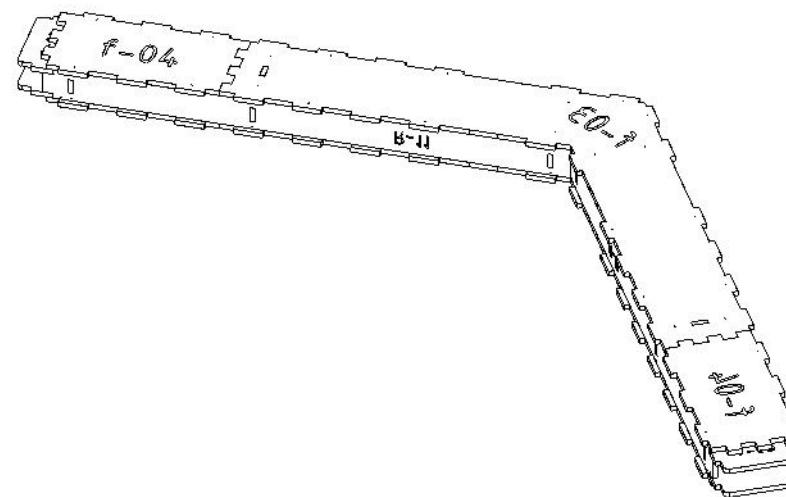
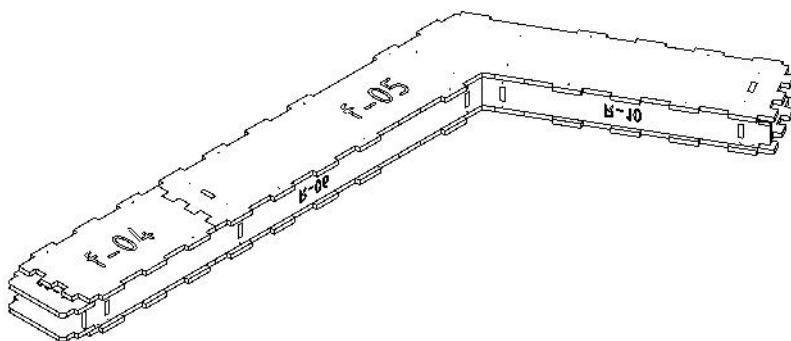


F-stukken vastschroeven, spandeel omdraaien voor vastschroeven onderliggende F-stukken /
screw the F-pieces onto the subframe, turn around and do the same for the F-pieces below

spant/ frame

step 5/8

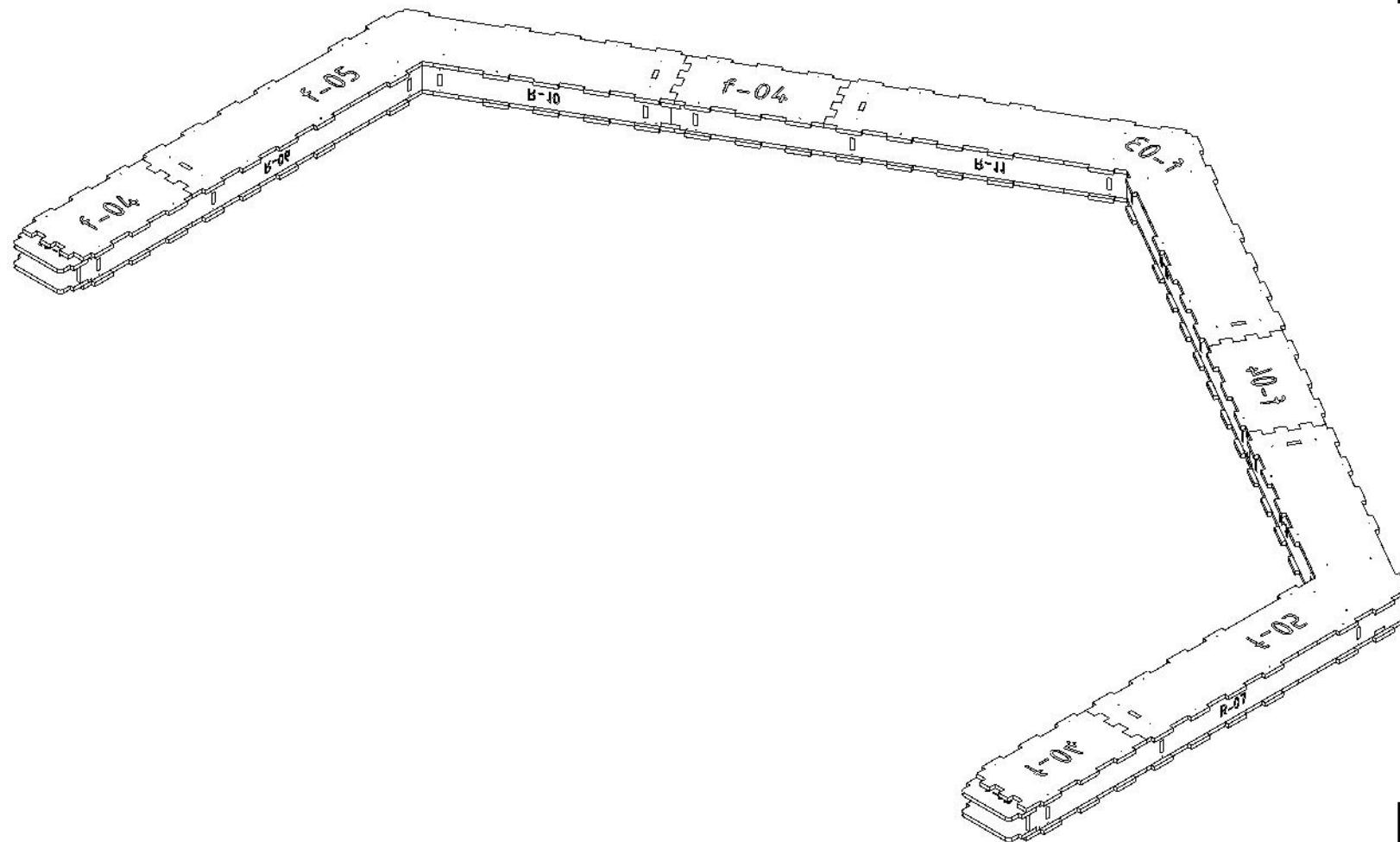




spant/ frame
step 6/8
C

de 3 spantdelen positioneren /
put the 3 frame pieces in position

schroeven / screws	
30x4	X
50x4	V



spant / frame
step 7/8
C

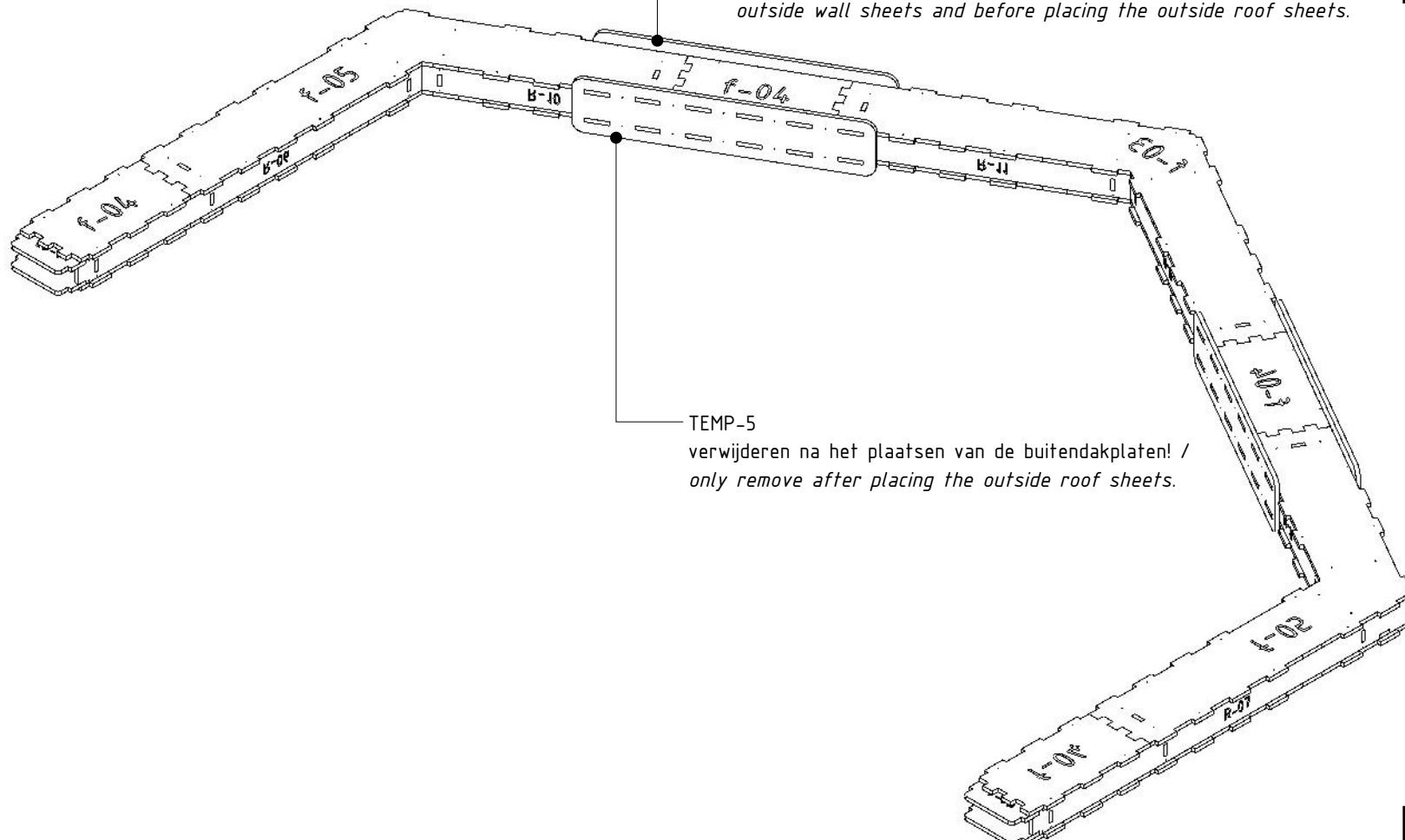
de 3 spantdelen in elkaar schuiven/
put the 3 frame pieces together

onderdelen/parts	
TEMP-5	4

TEMP-5

verwijderen na het omhoog zetten van de spanten en
na het plaatsen van de buitengevelplaten en voor het plaatsen
van de buitendakplaten /
*only remove after frame raising, placing the
outside wall sheets and before placing the outside roof sheets.*

schroeven/screws	
30x4	X
50x4	V

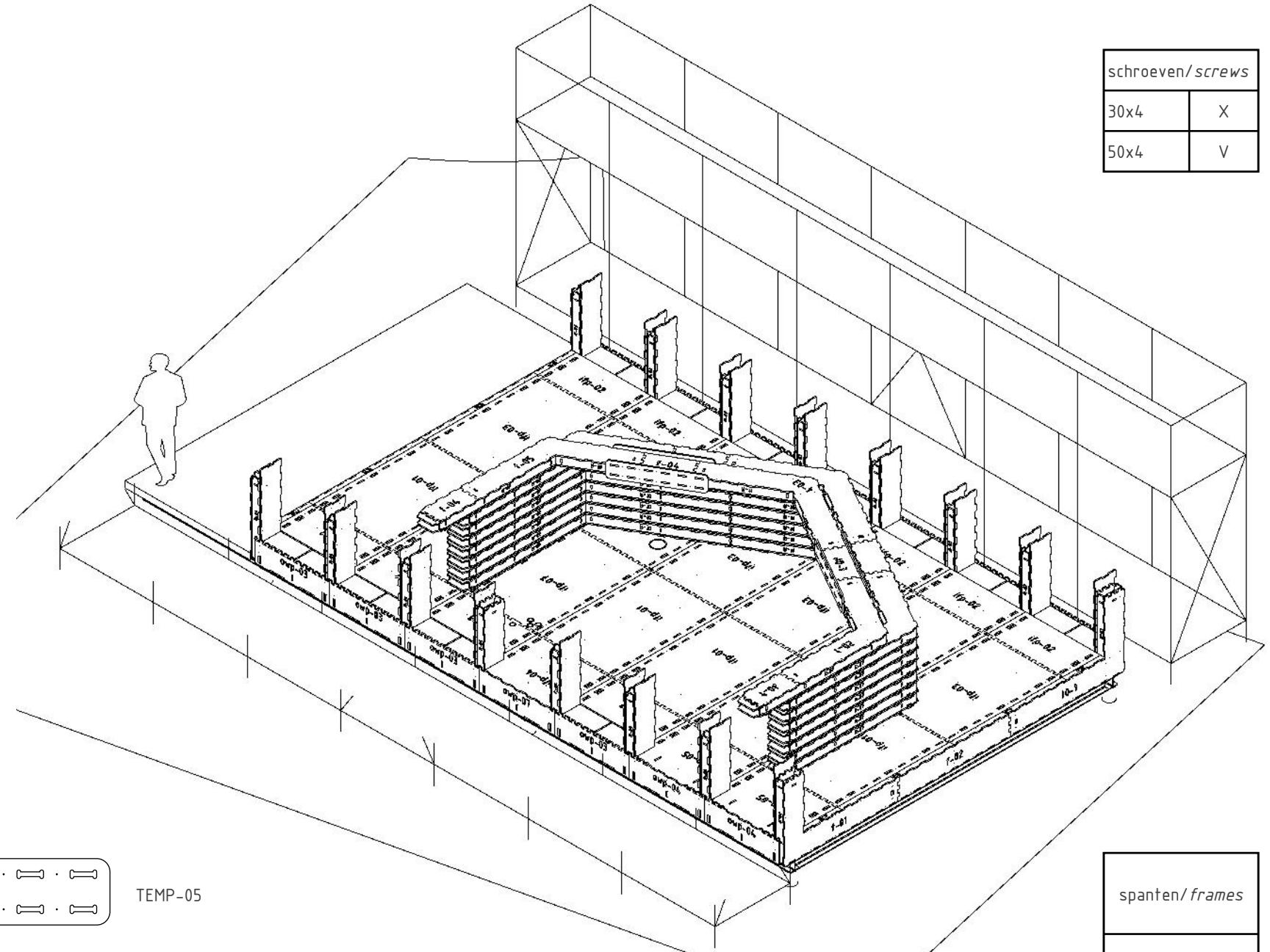


spant/ frame
step 8/8
C

gebruik de 'TEMP' hulpstukken om de verbindingen strak te krijgen, dan vastschroeven/
use the 'TEMP' pieces make a tight fit between the frame parts, screw it together

onderdelen/parts	
totaal/ in total:	
TEMP-02	20
TEMP-03	12
TEMP-05	32

schroeven/screws	
30x4	X
50x4	V



8 spanten klaar om te plaatsen /
8 frames ready to raise them in position

onderdelen/parts

schroeven/screws	
30x4	X
50x4	V

TEMP-5

TEMP-03

TEMP-02

TEMP-02

TEMP-03

TEMP-05



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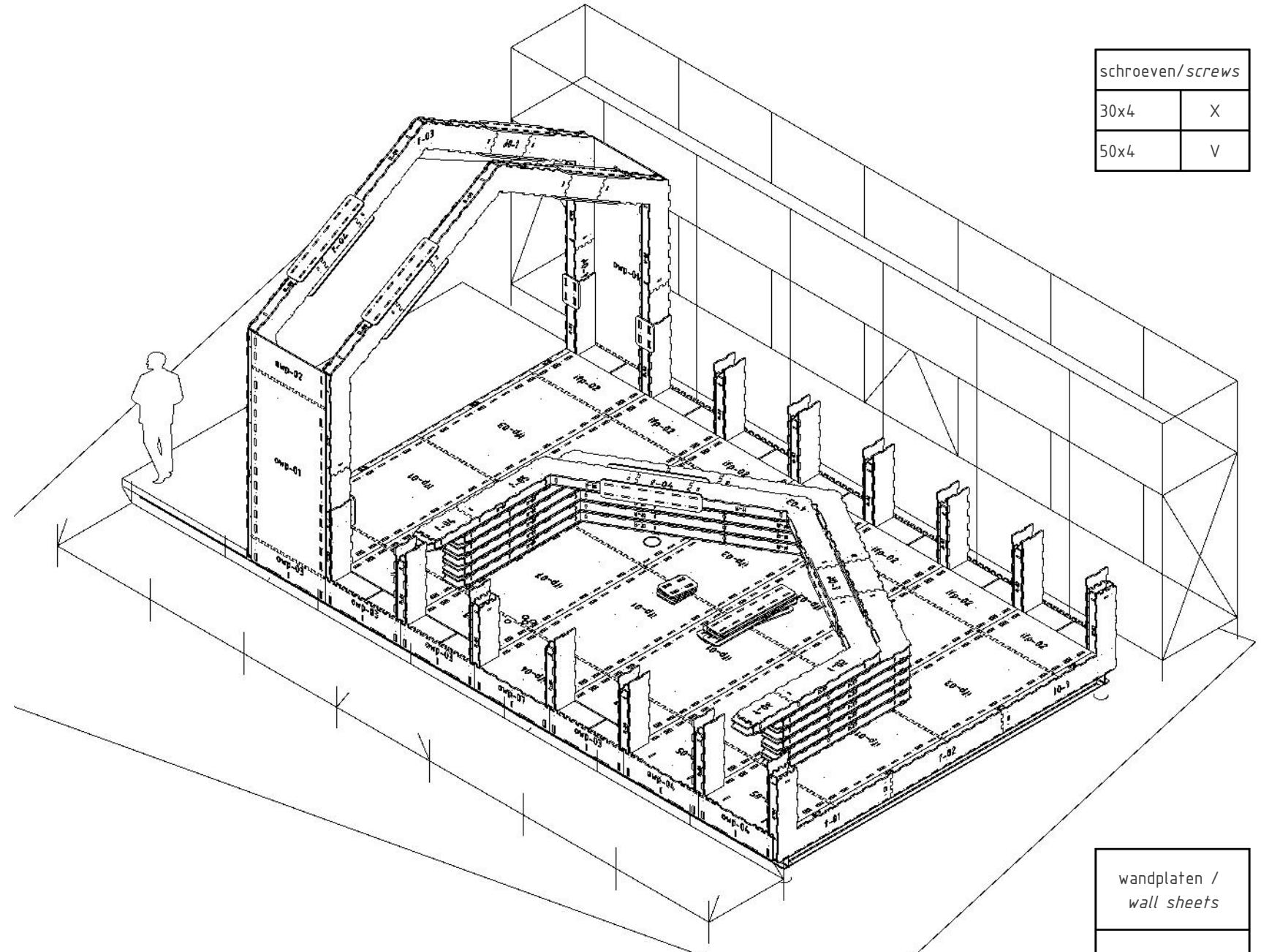
spanten/frames



bij plaatsen van het spant gebruik de speciale TEMP-stukken om strak en precies te positioneren/
when placing a frame use the special TEMP pieces to position it tight and precisely

onderdelen/parts	
owp-01	2
owp-02	2

schroeven/screws	
30x4	X
50x4	V



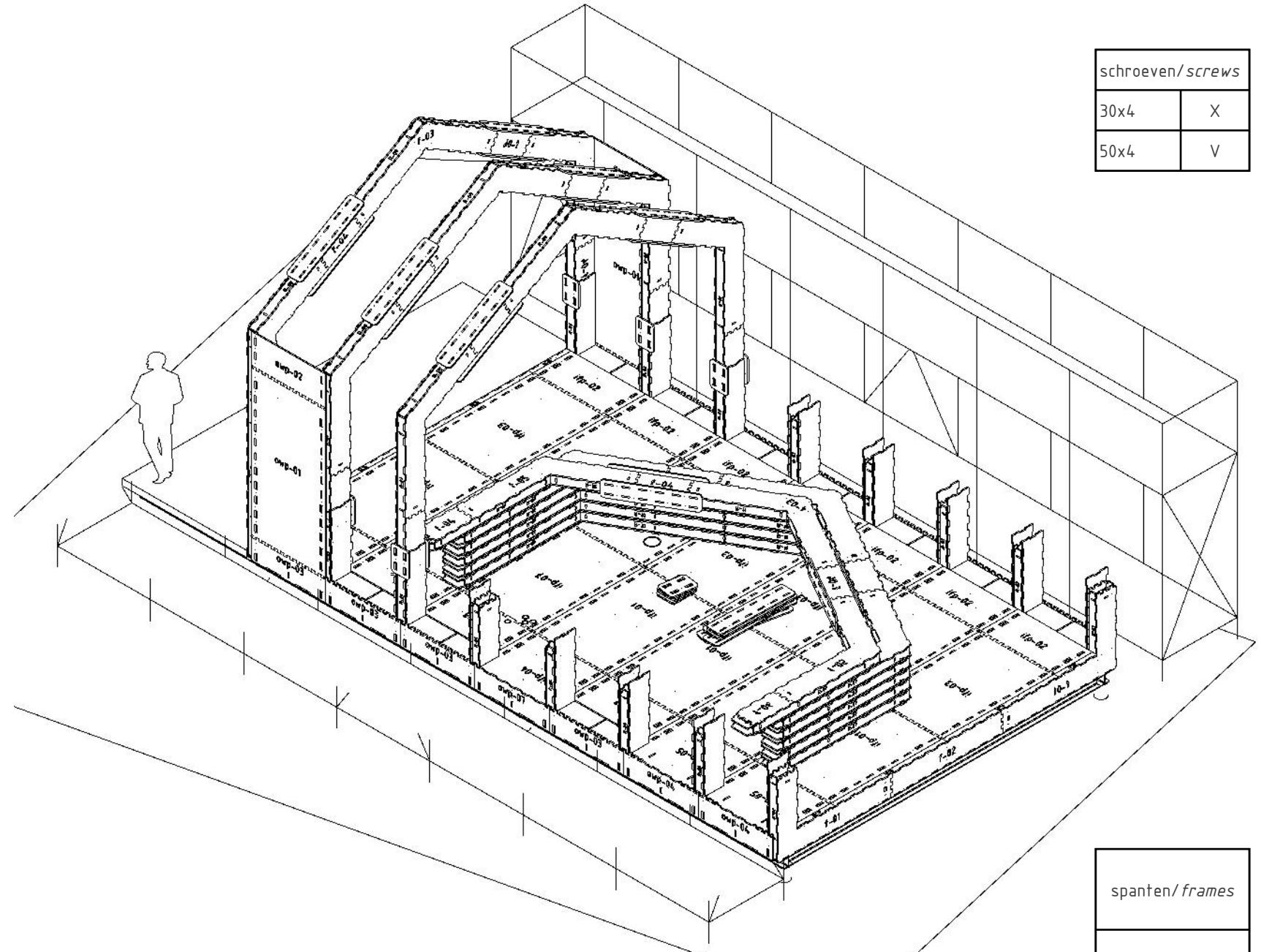
verwijder buitenste TEMP stukken en plaats de buitengevelplaten /
remove outside TEMP pieces and add the outside wall sheets

wandplaten /
wall sheets

D

onderdelen/parts	
TEMP-02	4
TEMP-05	4

schroeven/screws	
30x4	X
50x4	V

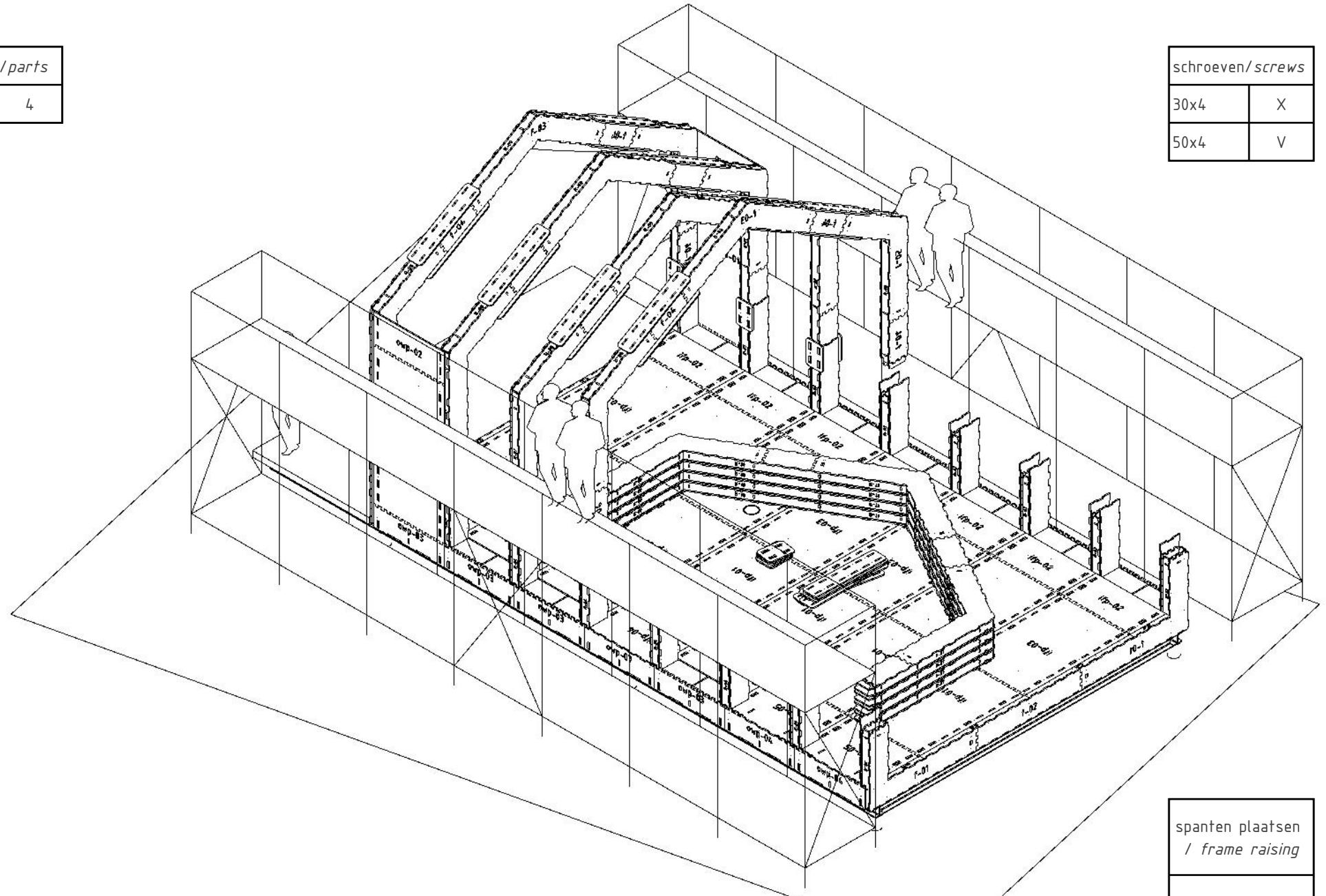


plaatsen van het volgende spant/
placing next frame

spanten/ frames

onderdelen/parts	
TEMP-05	4

schroeven/screws	
30x4	X
50x4	V



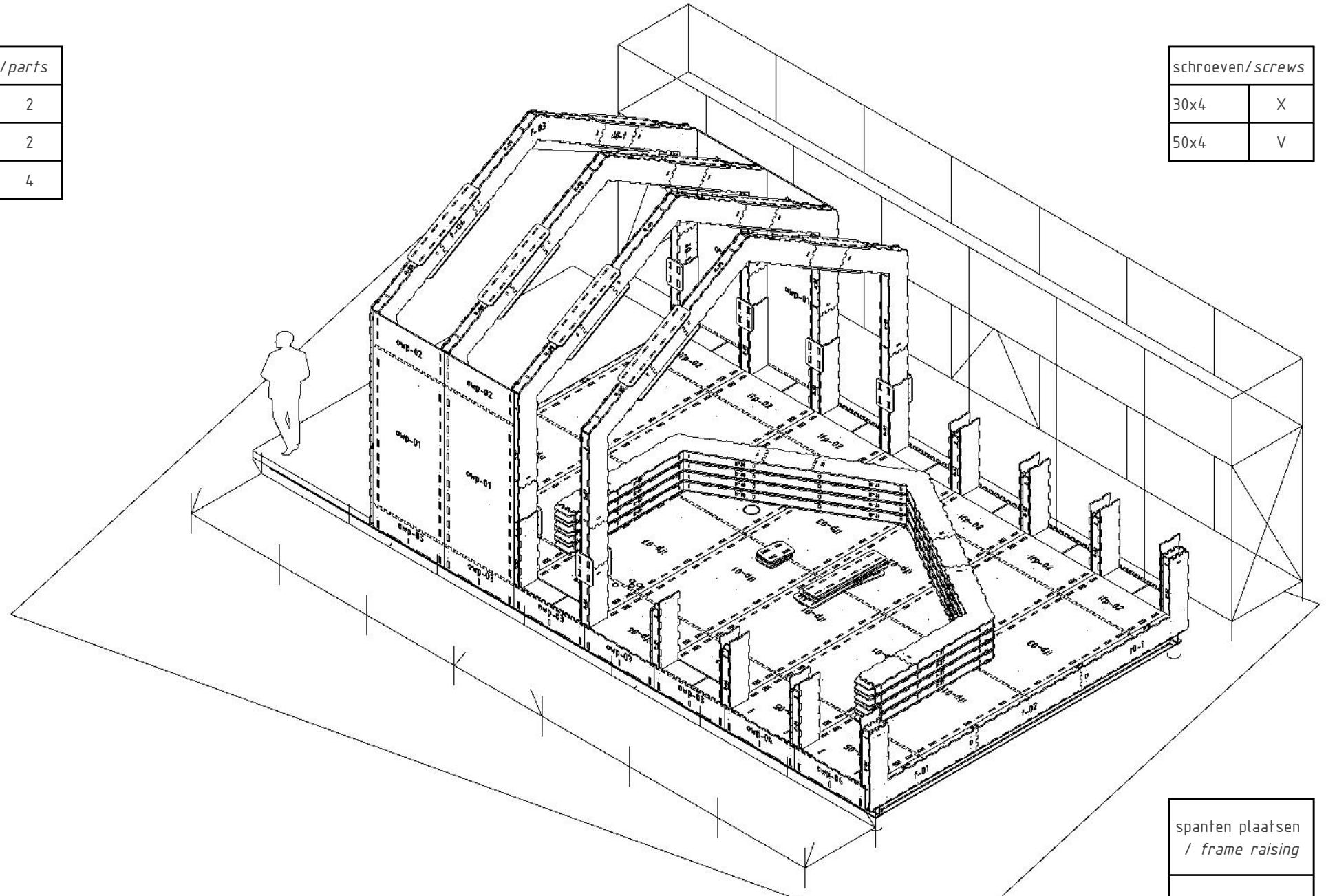
aanbrengen buitengevelpanelen van het 2e segment en plaatsen van het volgende spant/
add outside wall sheets of the 2nd module and placing next frame

spannen plaatsen
/ frame raising

C/D

onderdelen/parts	
owp-01	2
owp-02	2
TEMP-02	4

schroeven/screws	
30x4	X
50x4	V



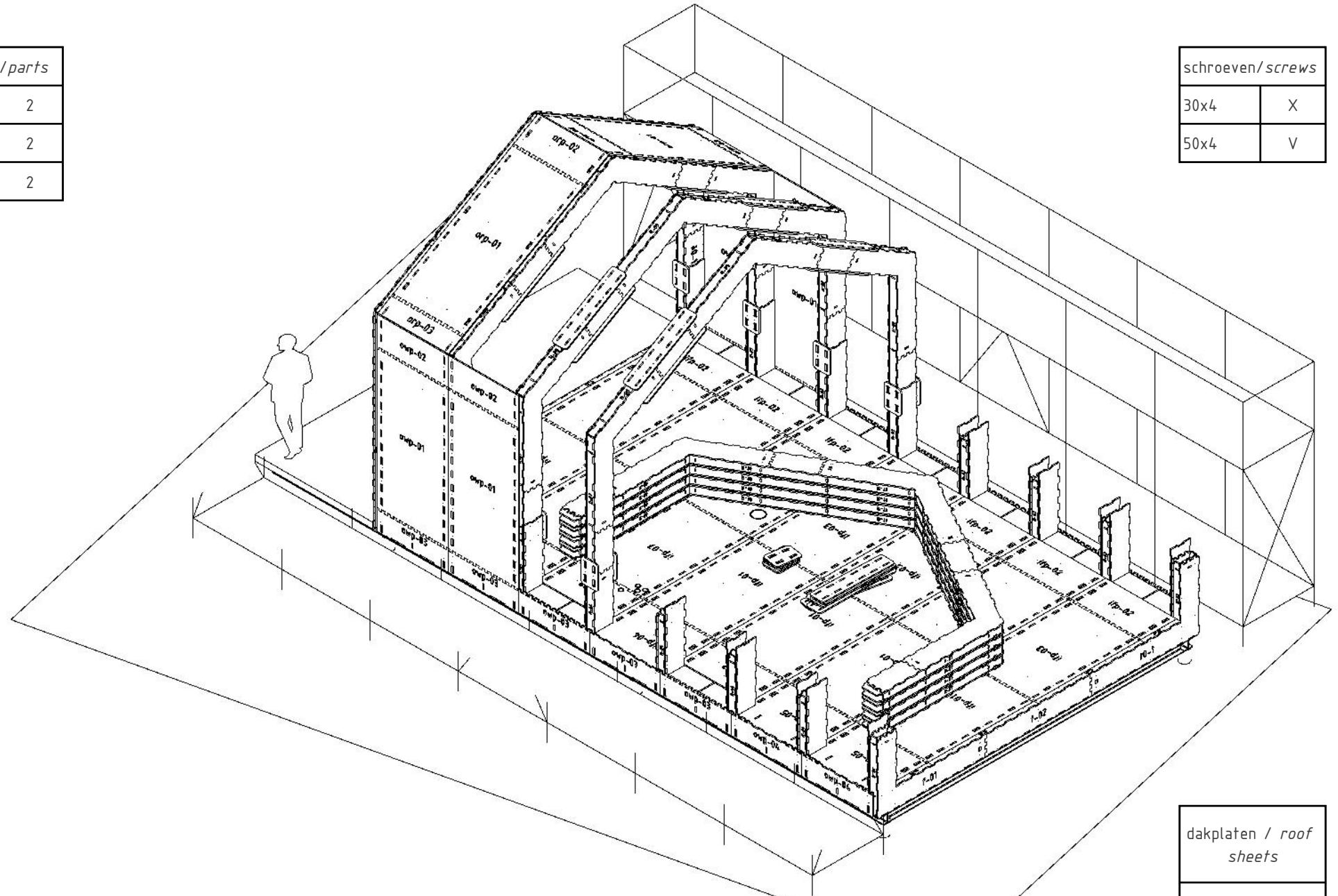
spannen plaatsen
/ frame raising

C/D

aanbrengen buitengevelpanelen van het 2e segment en fixeren van het volgende spant/
add outside wall sheets of the 2nd module and fixate next frame

onderdelen/parts	
orp-01	2
orp-02	2
orp-02	2

schroeven/screws	
30x4	X
50x4	V



aanbrengen buitendakpanelen van het 1e segment en fixeren van het volgende spant/
add outside roof sheets of the 1st module and fixate next frame

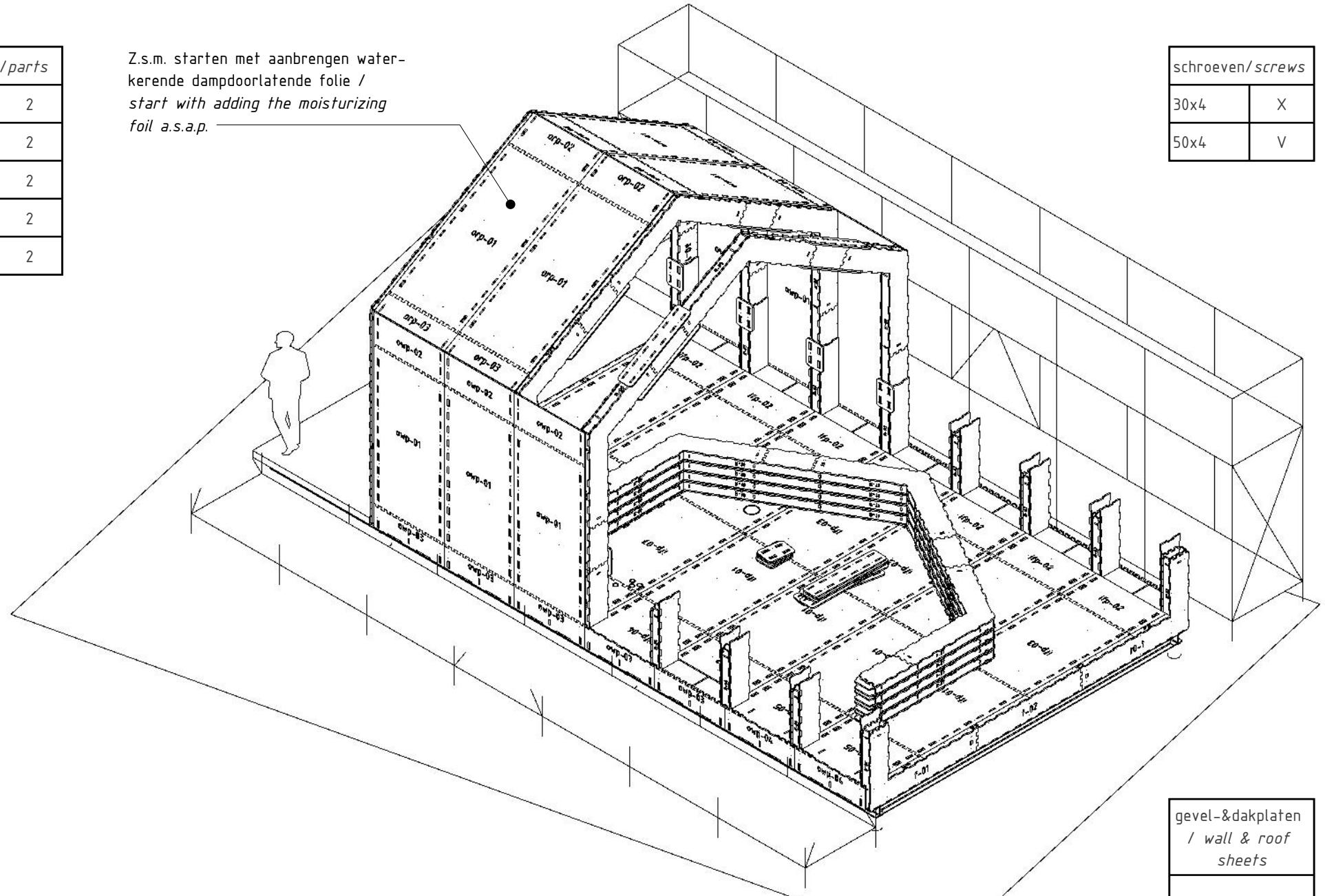
dakplaten / roof
sheets

E

onderdelen/parts	
orp-01	2
orp-02	2
orp-03	2
owp-01	2
owp-02	2

Z.s.m. starten met aanbrengen water-kerende dampdoorlatende folie /
start with adding the moisturizing foil a.s.a.p.

schroeven/screws	
30x4	X
50x4	V



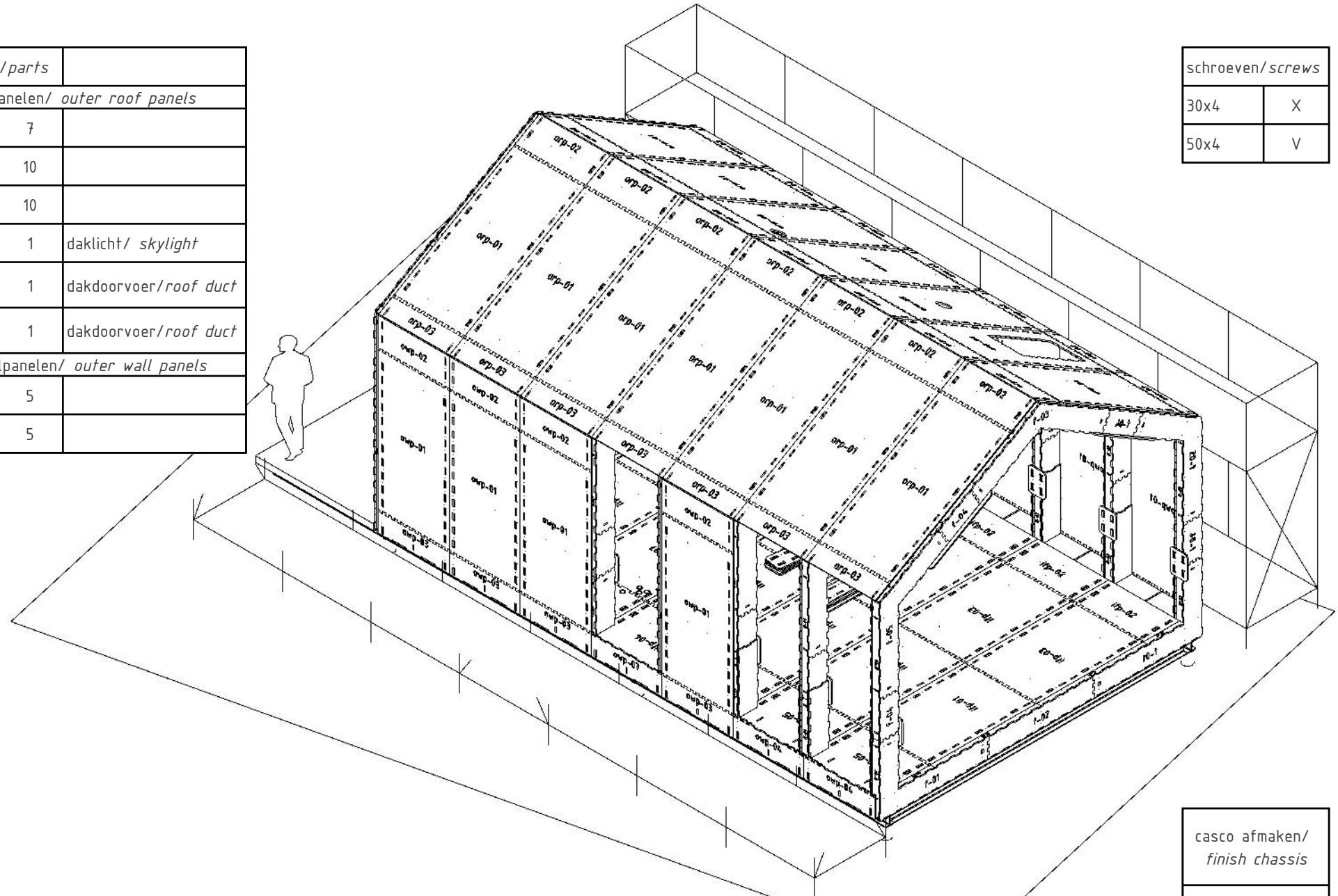
gevel-&dakplaten
/ wall & roof sheets

D/E

aanbrengen buitendakpanelen van het 2e segment en buitengevelpanelen van het 3e segment/
add outside roof sheets of the 2nd module and outside wall sheets of the 3rd module

onderdelen/parts	
buitendakpanelen/ outer roof panels	
orp-01	7
orp-02	10
orp-03	10
orp-04	1 daklicht/ skylight
orp-05	1 dakdoorvoer/roof duct
orp-06	1 dakdoorvoer/roof duct
buitengevelpanelen/ outer wall panels	
owp-01	5
owp-02	5

schroeven/screws	
30x4	X
50x4	V

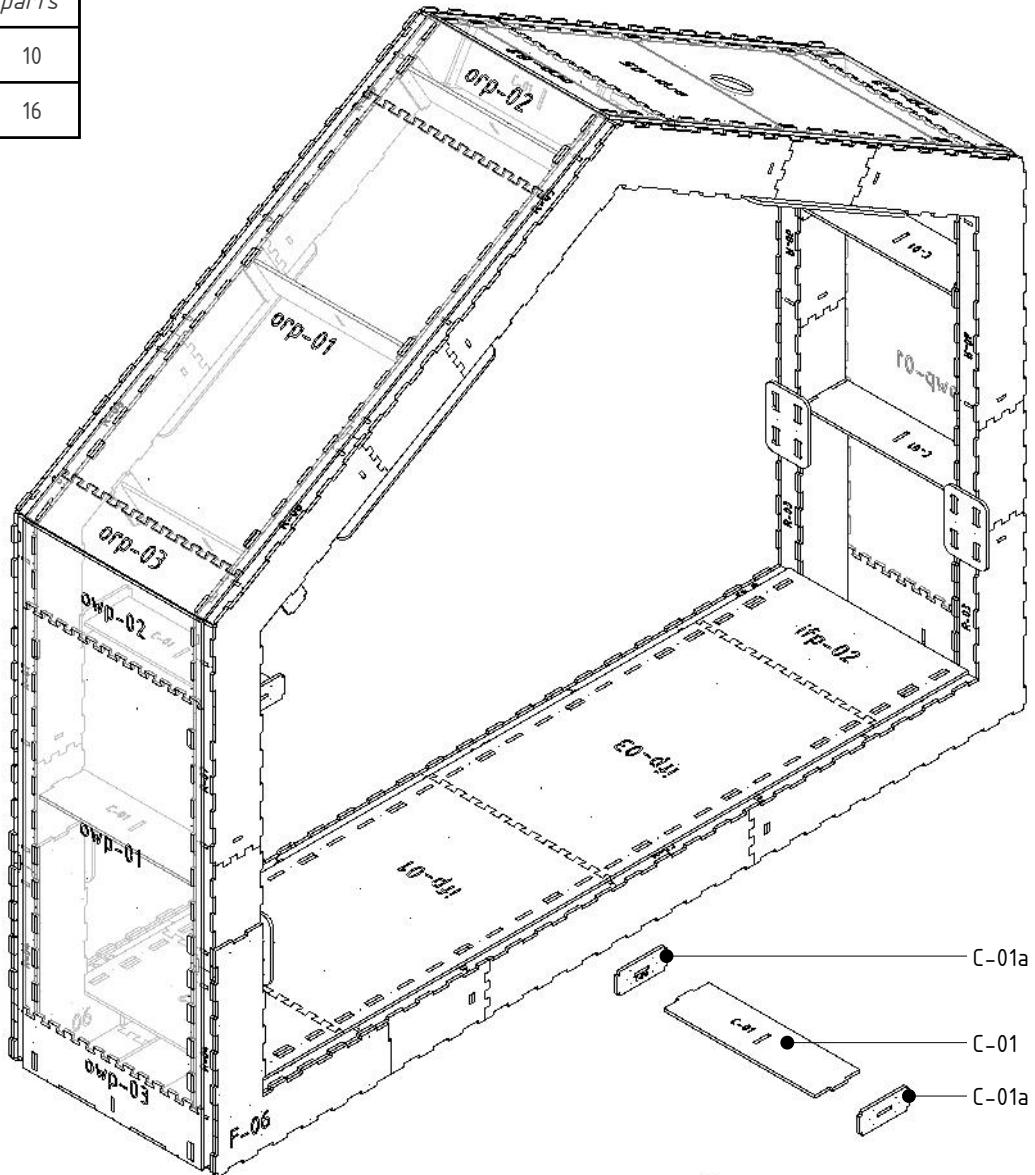


casco verder afmaken met de standaard buitengevelplaten en alle dakplaten/
finish chassis by adding all standard outside wall sheets and all outer roof panels

casco afmaken/
finish chassis

C/D/E

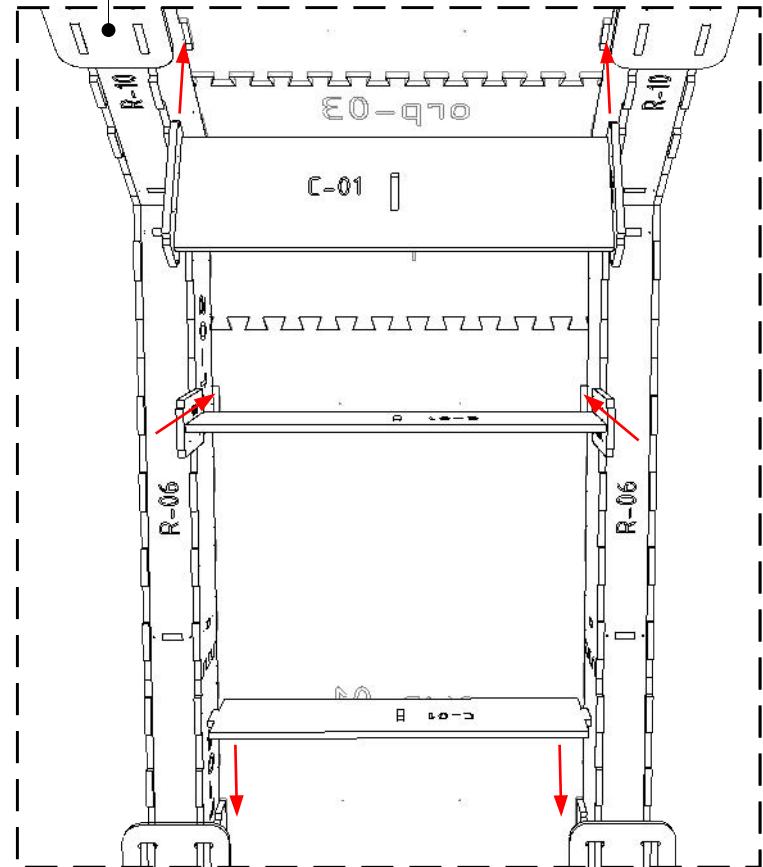
onderdelen/parts	
c-01	10
c-01a	16



connectoren [tussenverbindingen] plaatsen van binnenuit /
add connectors from the inside

verwijder TEMP-05 om c-01 te kunnen plaatsen / remove
TEMP-05 before adding c-01

schroeven/screws	
30x4	V
50x4	V

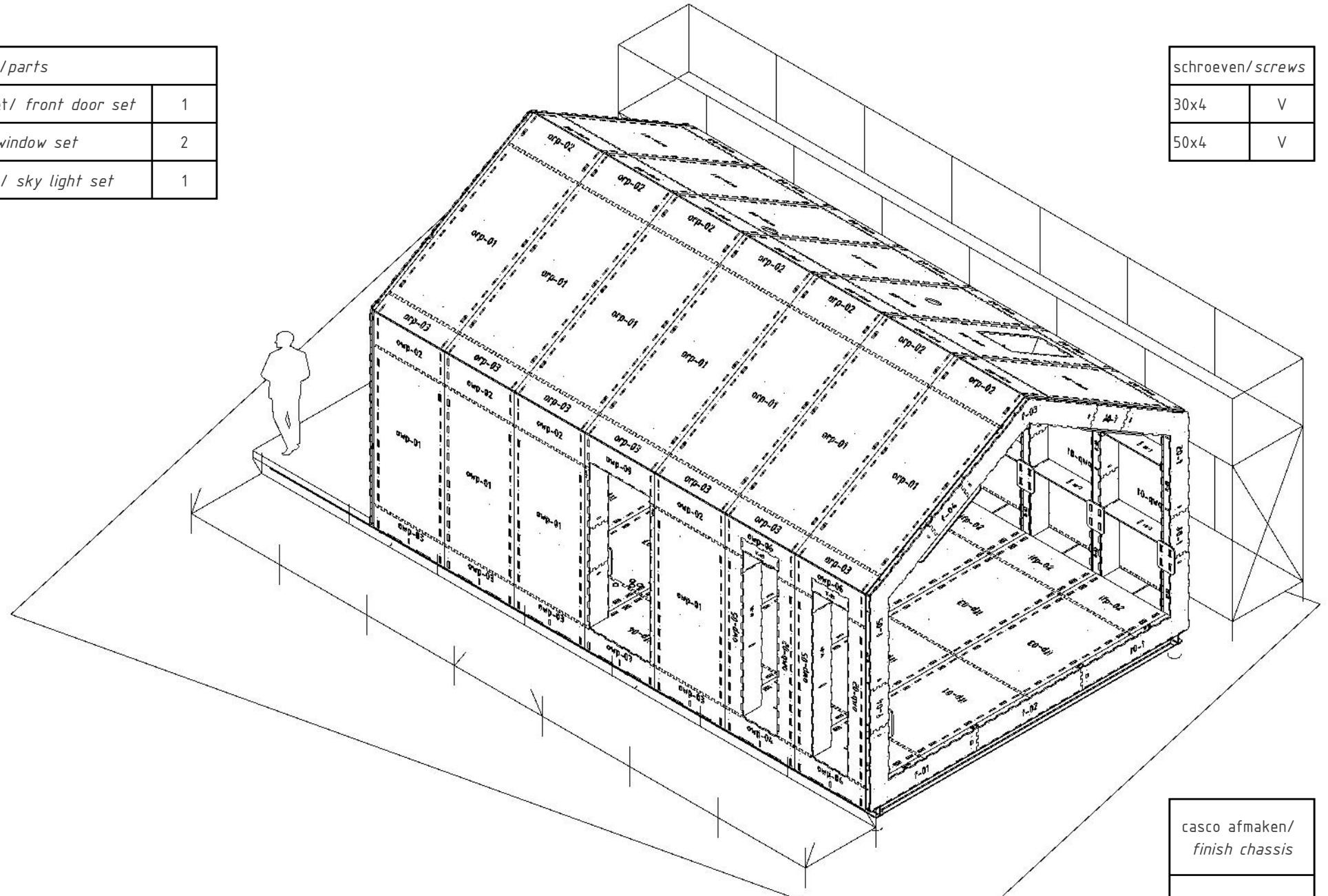


casco afmaken/
finish chassis

C/D/E

onderdelen/parts	
voordeurset/ front door set	1
raamset/ window set	2
daklichtset/ sky light set	1

schroeven/screws	
30x4	V
50x4	V

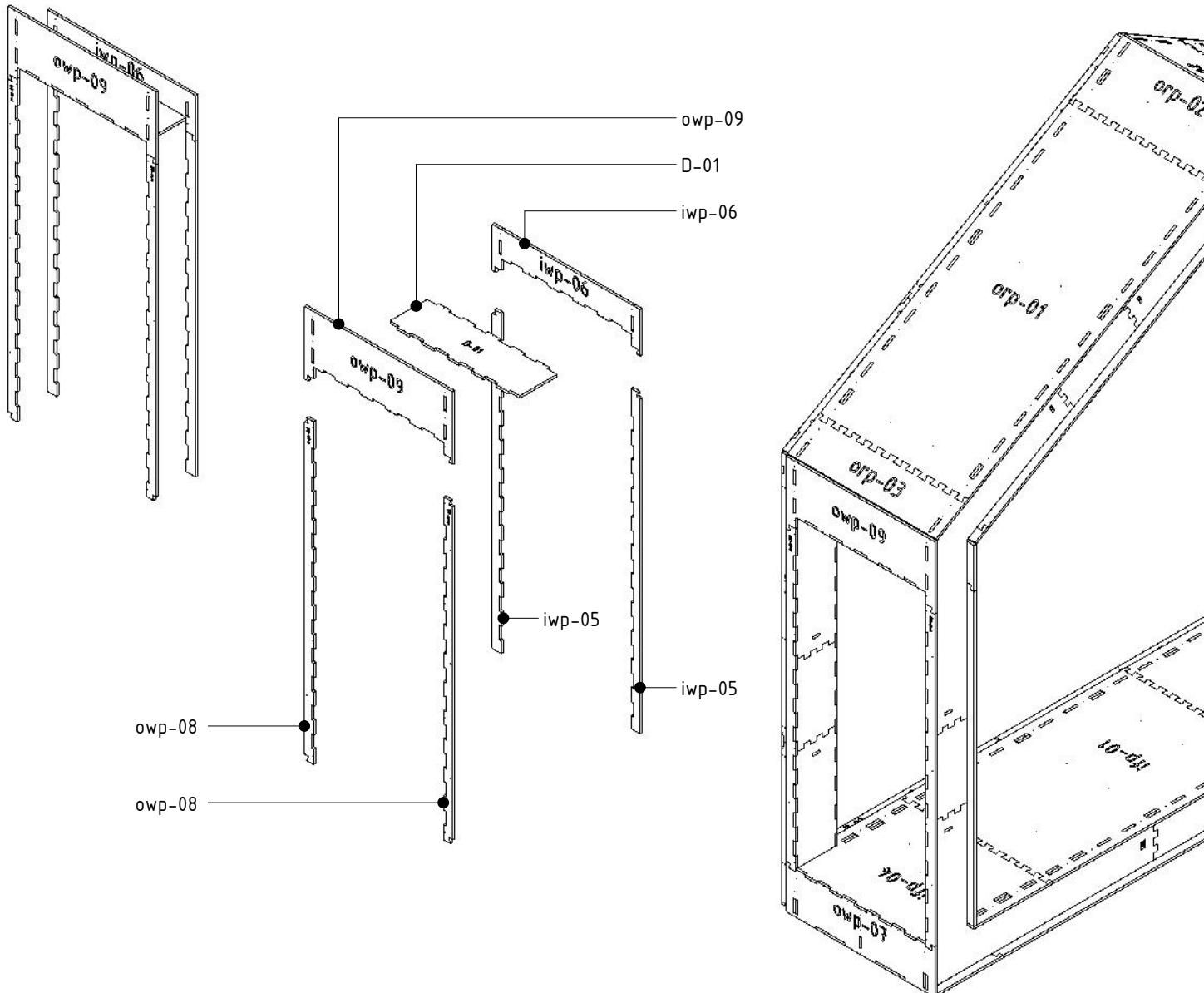


plaatsen van de voordeur-, ramen- & daklichtset/
place the sets for the front door, windows and roof light

casco afmaken/
finish chassis

D/E

onderdelen/parts	
d-01	1
iwp-05	2
iwp-06	1
owp-08	2
owp-09	1

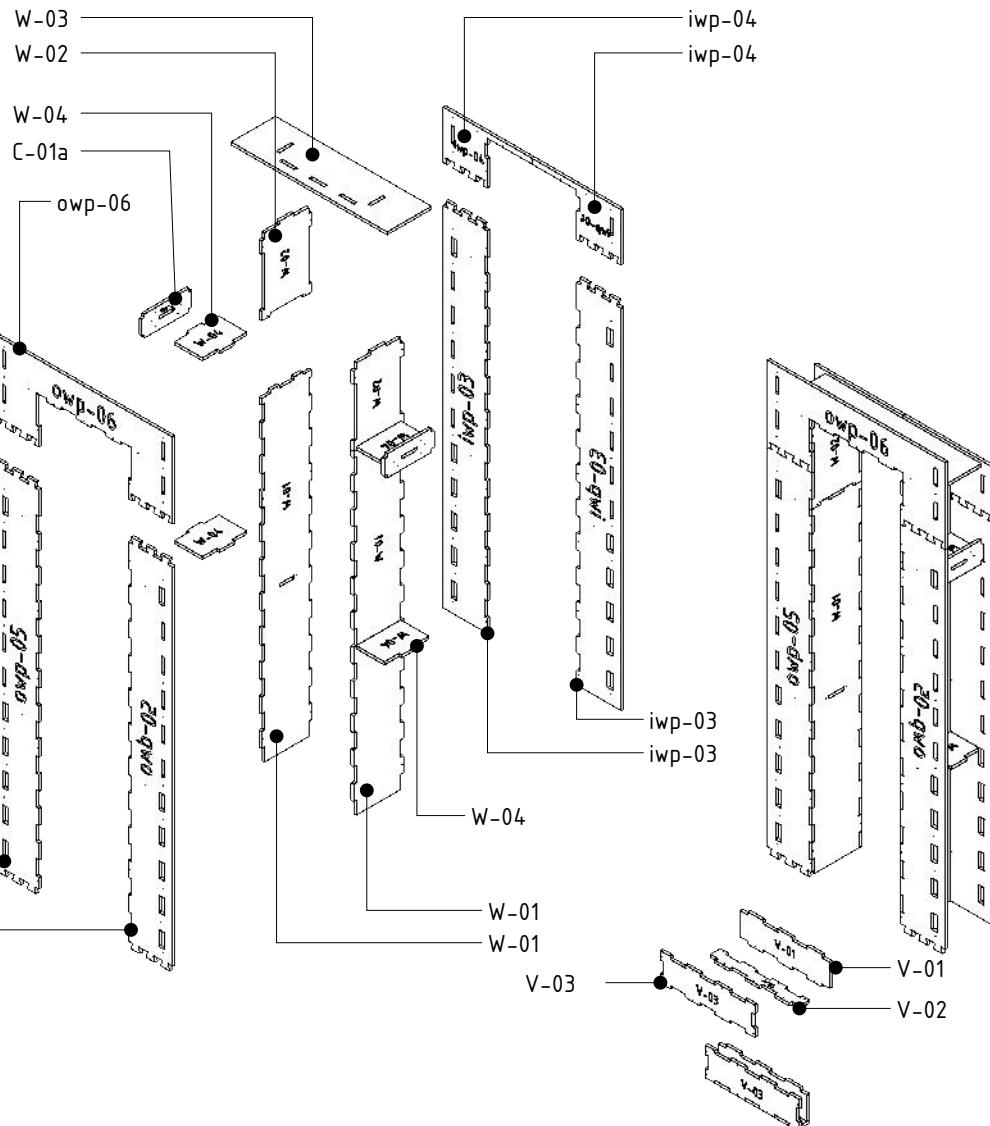


schroeven/screws	
30x4	V
50x4	V

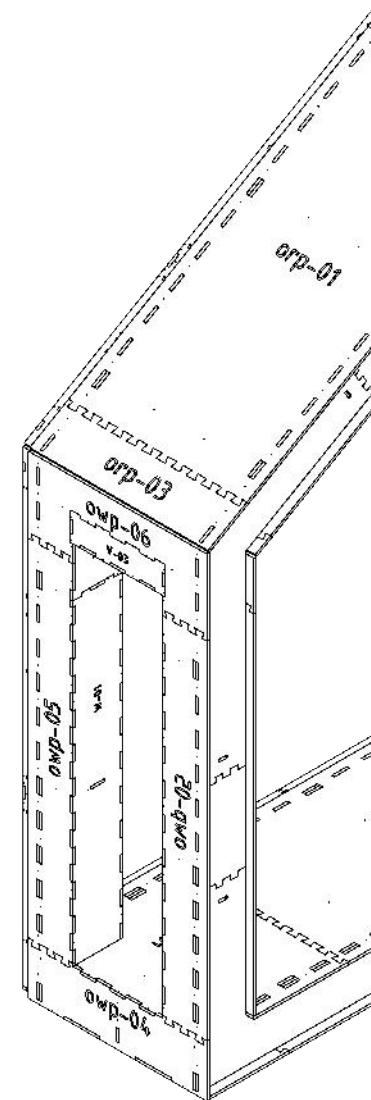
casco afmaken/
finish chassis

D/E

onderdelen/parts	
iwp-03	2
iwp-04	2
owp-05	2
owp-06	1
c-01a	2
w-01	2
w-02	2
w-03	1
w-04	4
v-01	1
v-02	1
v-03	1



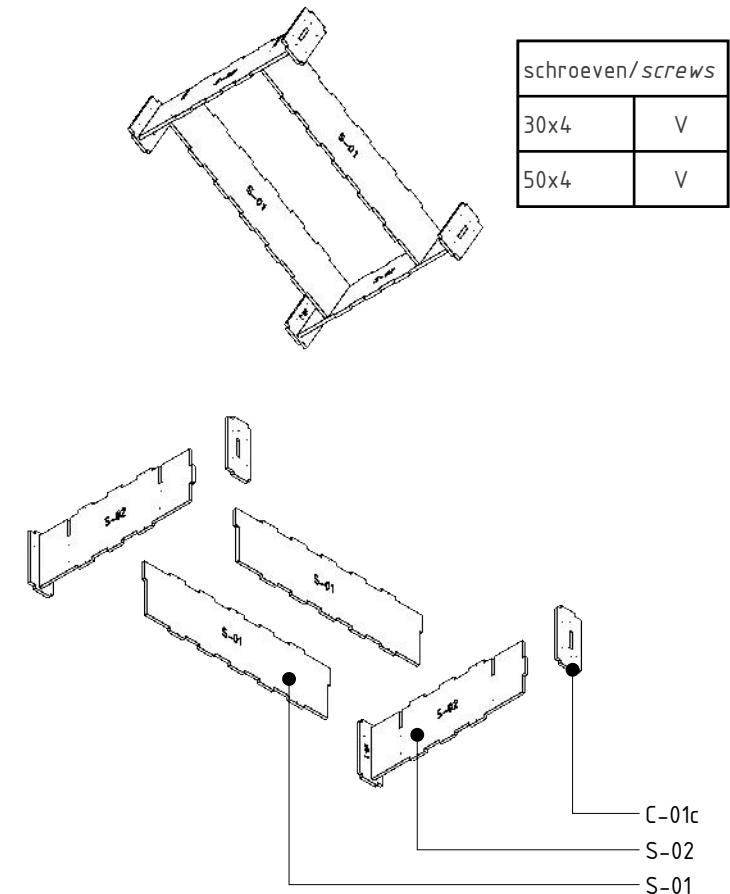
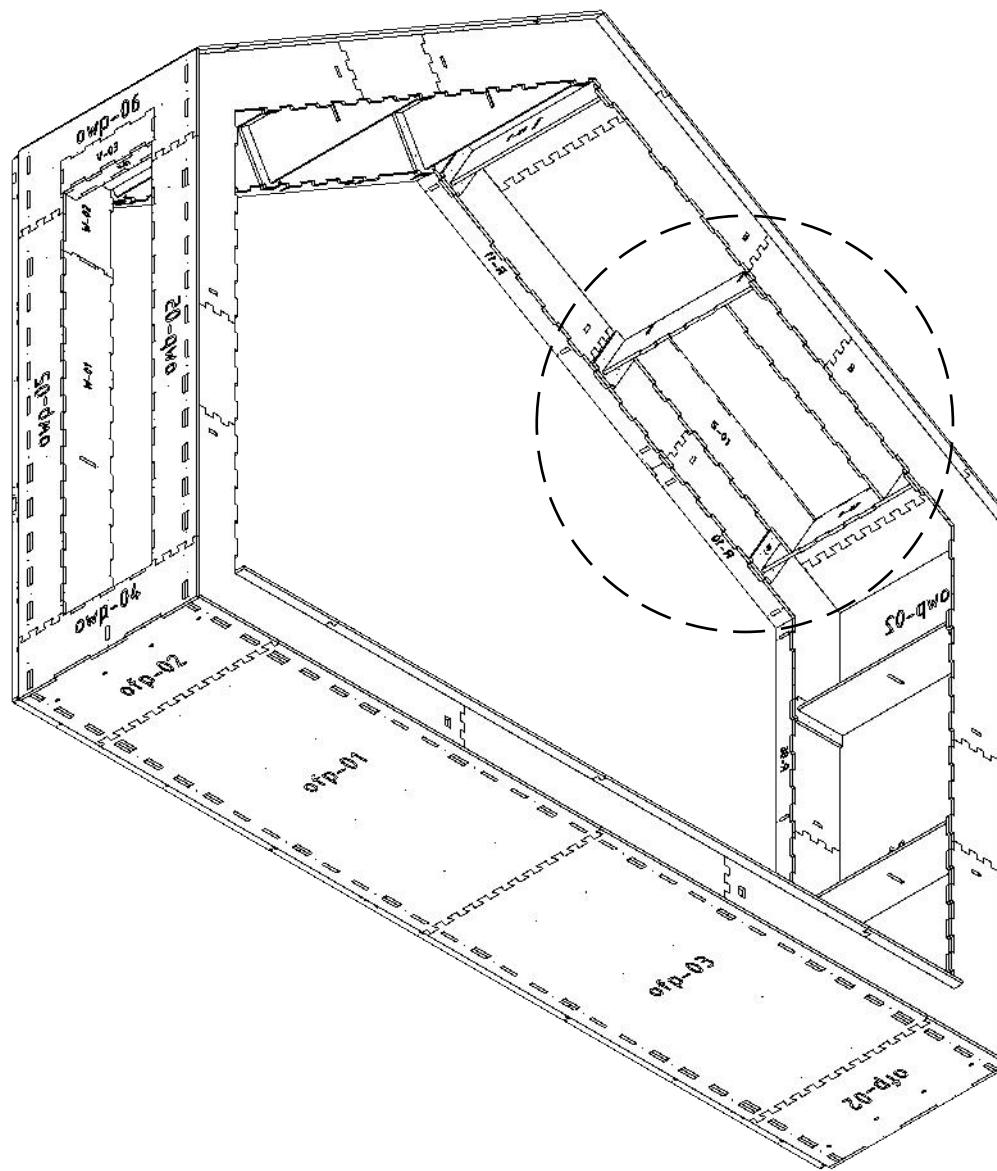
schroeven/screws	
30x4	V
50x4	V



casco afmaken/ finish chassis
D/E

plaatsen van de raamset/
place the windowset

onderdelen/parts	
s-01	2
s-02	2
c-01c	4



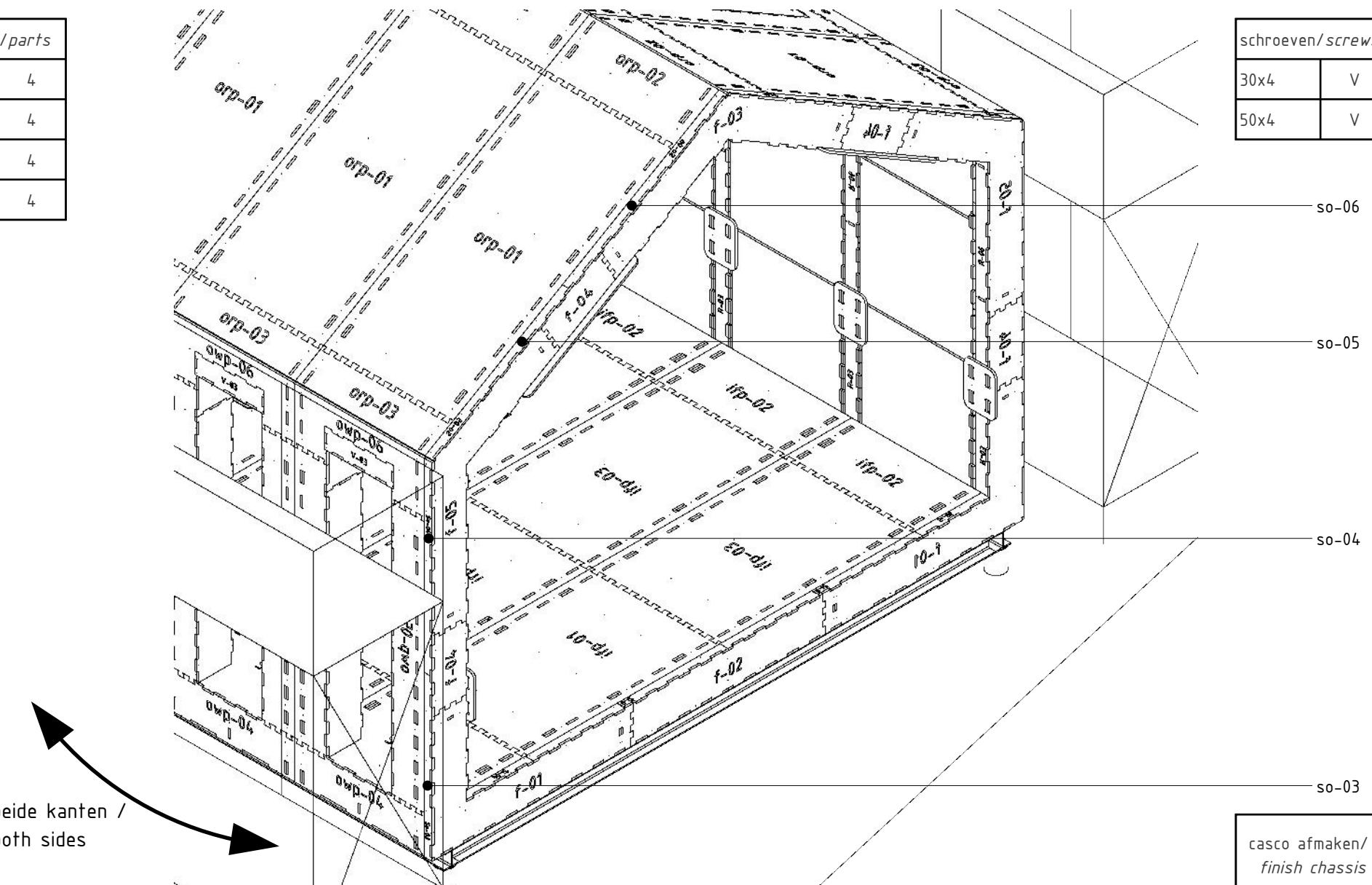
casco afmaken/
finish chassis

D/E

plaatsen van de daklichtset/
place the sky light set

onderdelen/parts	
so-03	4
so-04	4
so-05	4
so-06	4

schroeven/screws	
30x4	V
50x4	V



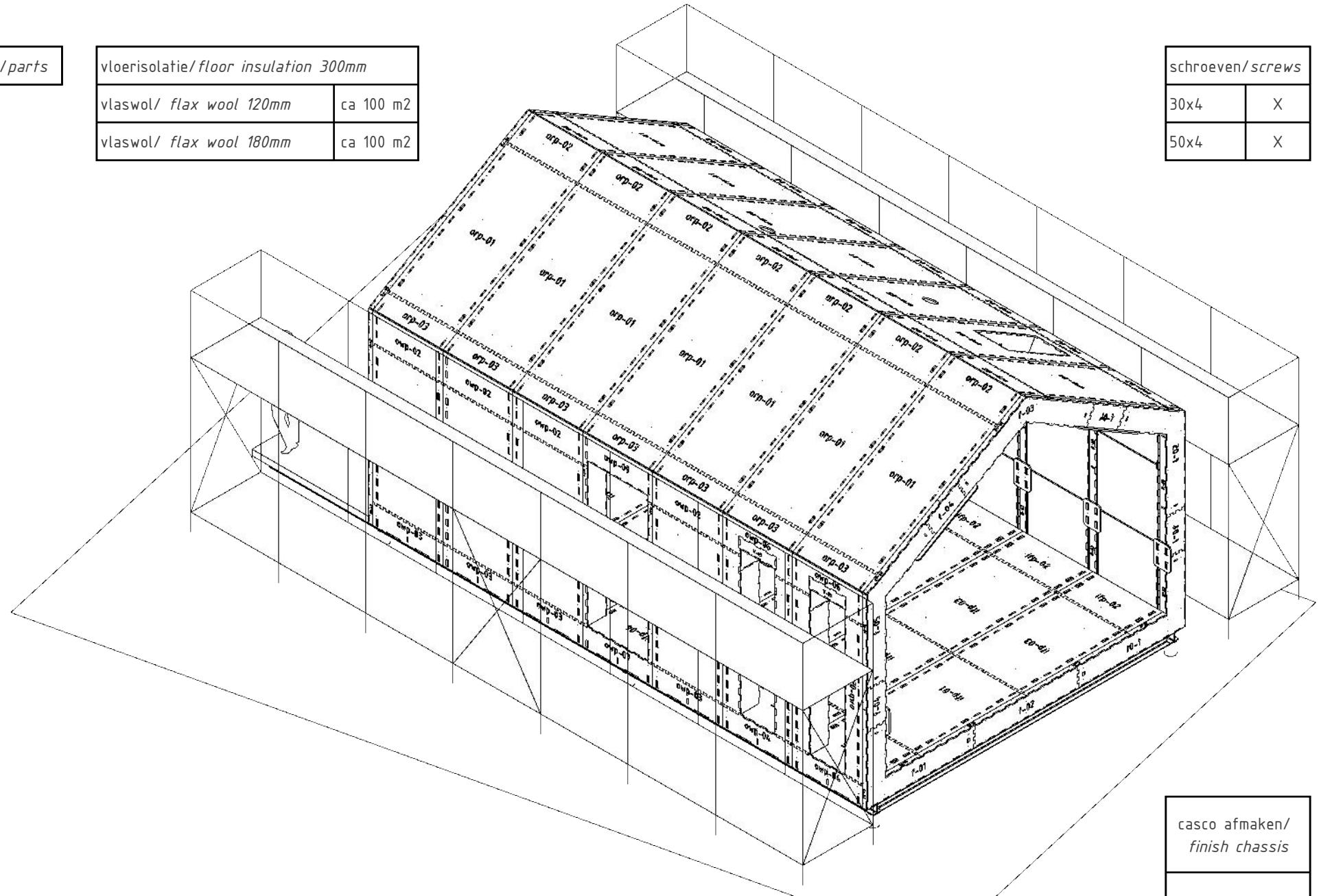
eindstroken buitenzijde op beiden randen van het casco /
outside end pieces on both edges of the chassis

casco afmaken/ finish chassis
D/E

onderdelen/*parts*

vloerisolatie/ <i>floor insulation</i> 300mm	
vlaswol/ <i>flax wool</i> 120mm	ca 100 m2
vlaswol/ <i>flax wool</i> 180mm	ca 100 m2

schroeven / screws	
30x4	X
50x4	X

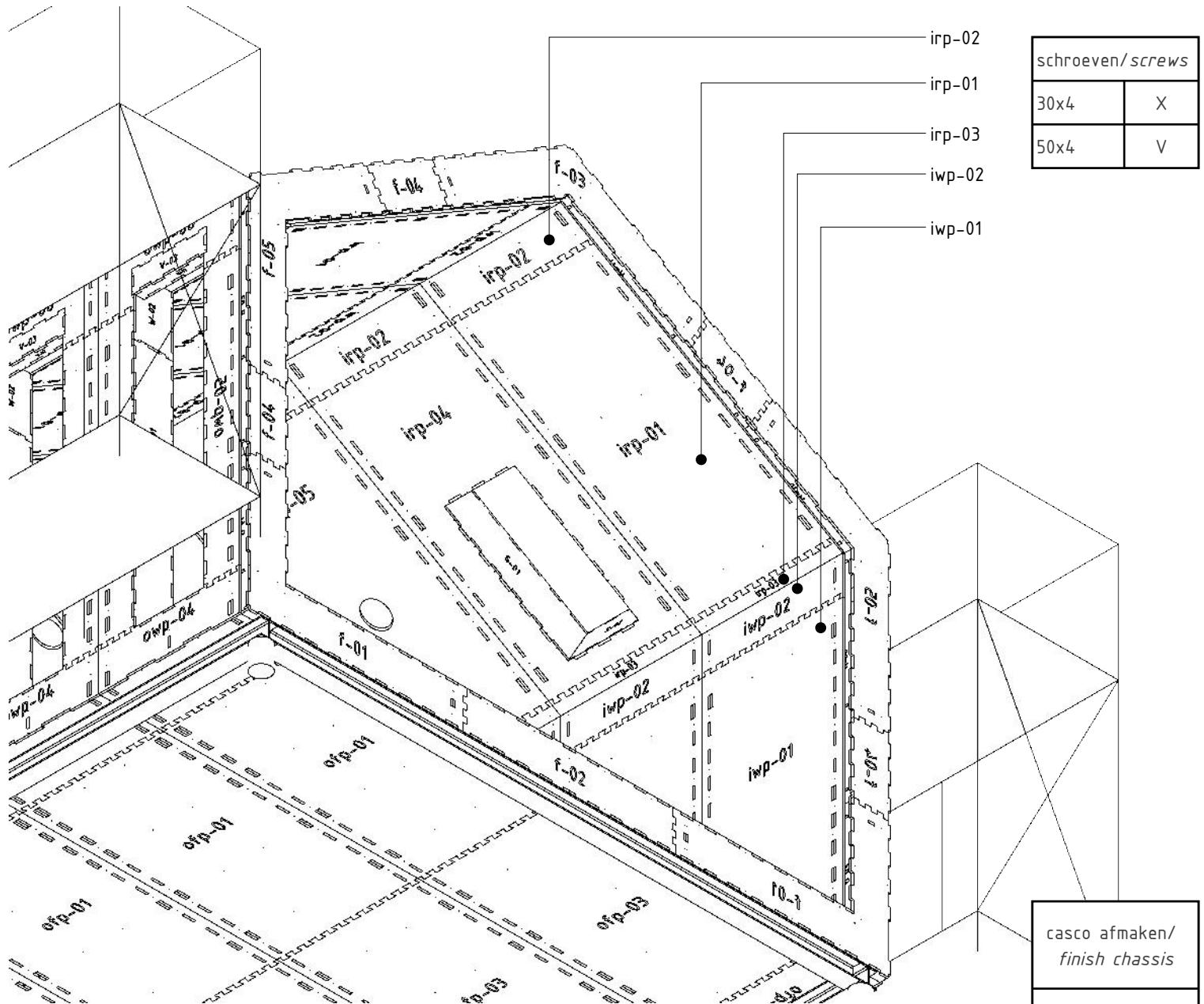


isolatie aanbrengen in de buitenmuur en het dak van binnenuit/
put insulation into the walls and the roof from the inside

casco afmaken/
finish chassis

D/E

onderdelen/parts		
binnendakpanelen/ inner roof panels		
irp-01	13	
irp-02	14	
irp-03	14	
irp-04	1	daklicht/ skylight
irp-05	1	dakdoorvoer/roof duct
irp-06	1	dakdoorvoer/roof duct
binnengevelpanelen/ inner wall panels		
iwp-01	11	
iwp-02	11	

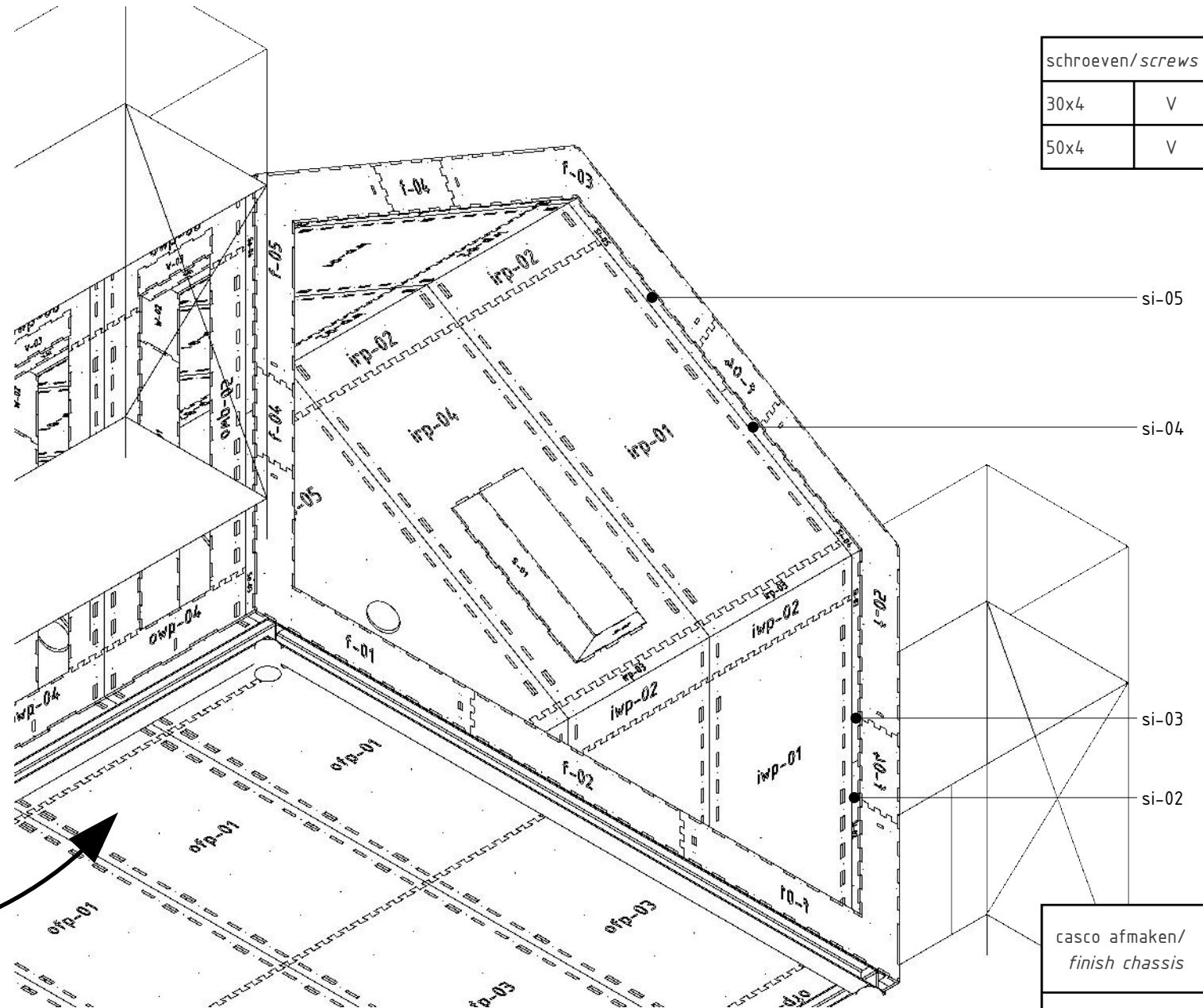


binnenplaten muur en dak van binnenuit aanbrengen, let op de uitzonderingen /
add inside sheets walls and roof from the inside, pay attention to the specials

D/E

onderdelen/parts	
si-02	4
si-03	4
si-04	4
si-05	4

schroeven/screws	
30x4	V
50x4	V

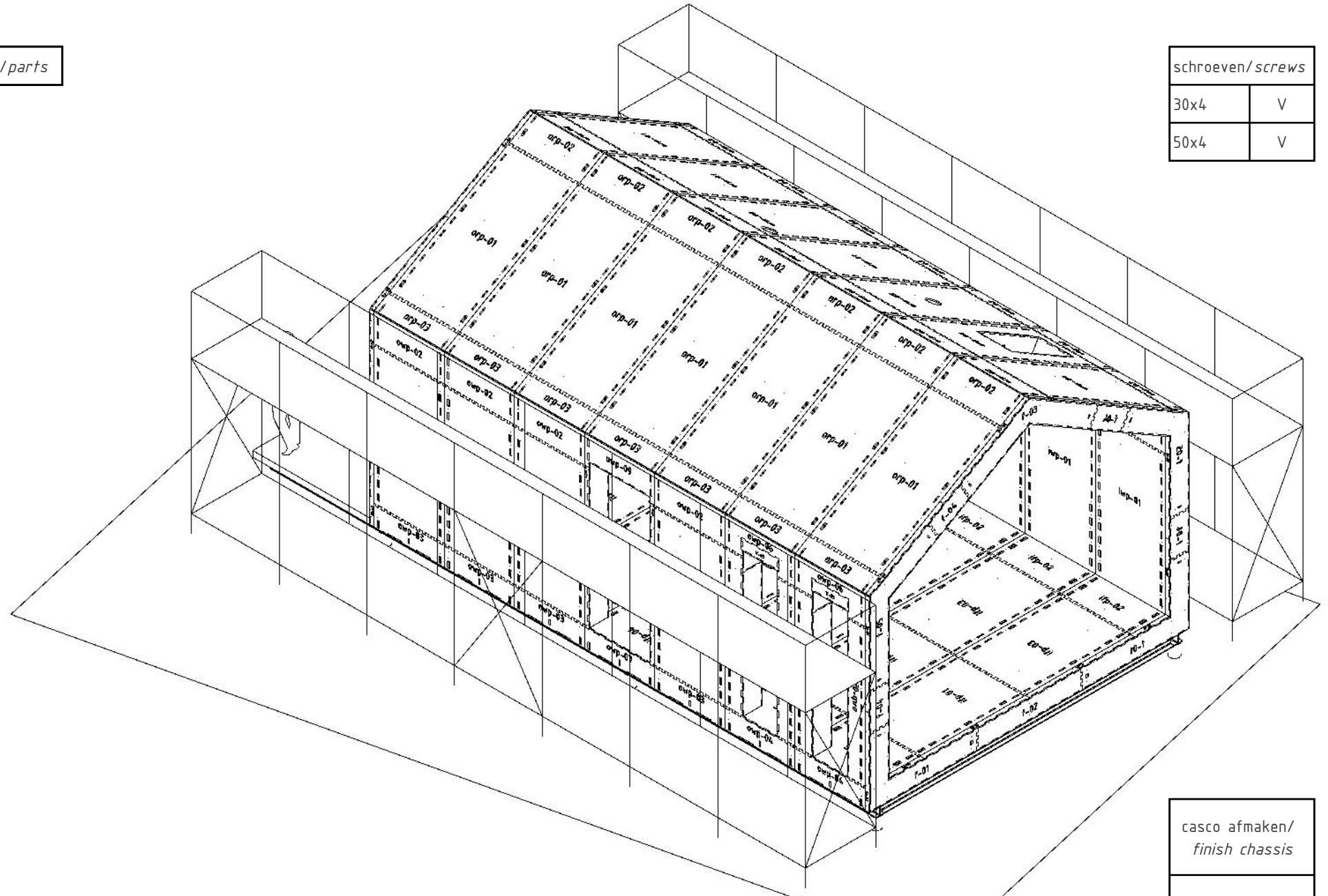


eindstroken binnenzijde op beide randen van het casco /
inside end pieces on both edges of the chassis

D/E

onderdelen/parts

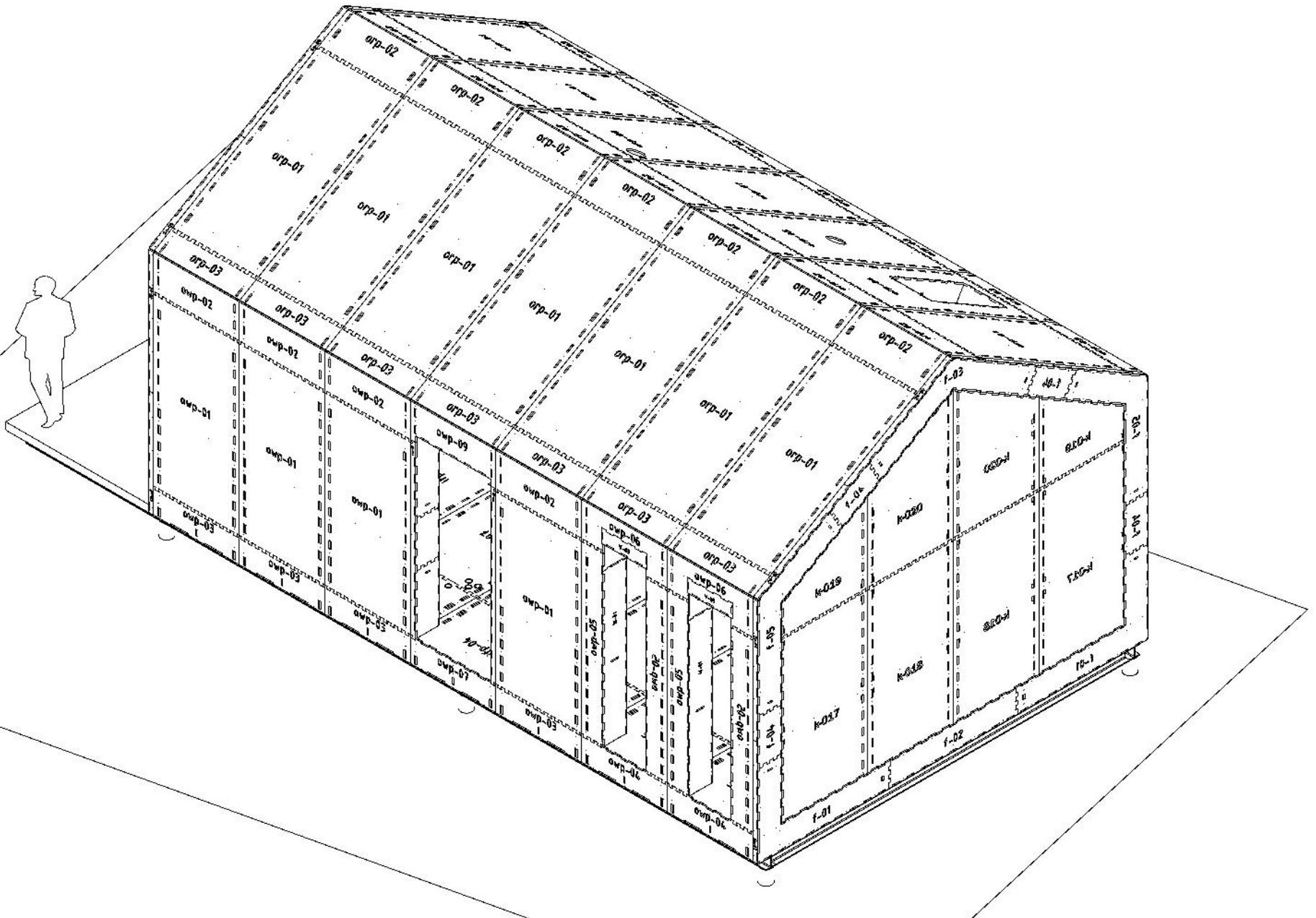
schroeven/screws	
30x4	V
50x4	V



casco afmaken/
finish chassis

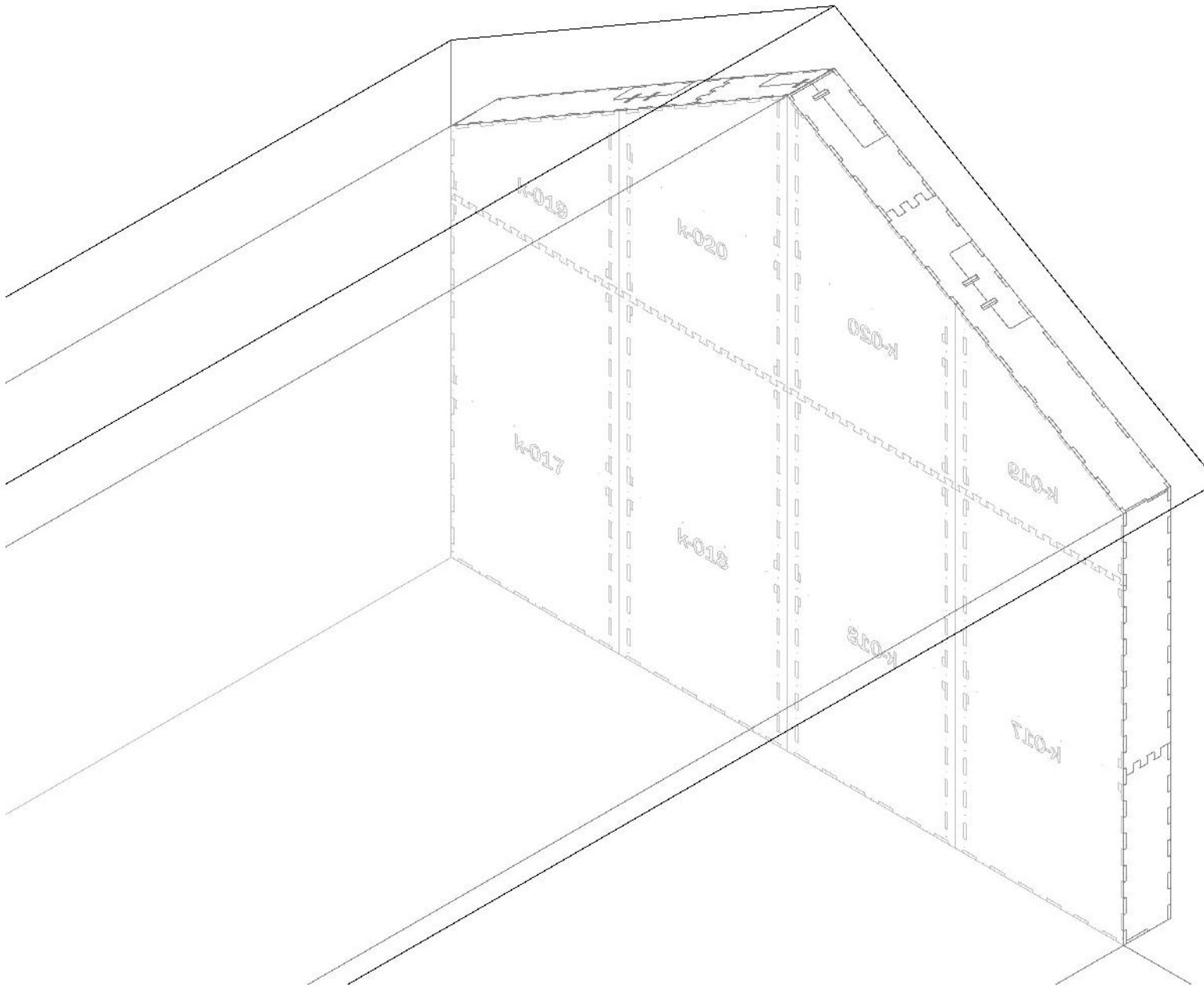
D/E

check op ontbrekende schroeven & buitenzijde casco inpakken met folie vast gemaakt met nietjes /
check on missing screws & wrap the outside of the chassis with foil fixed with staples



gesloten kopwand /
end wall

K



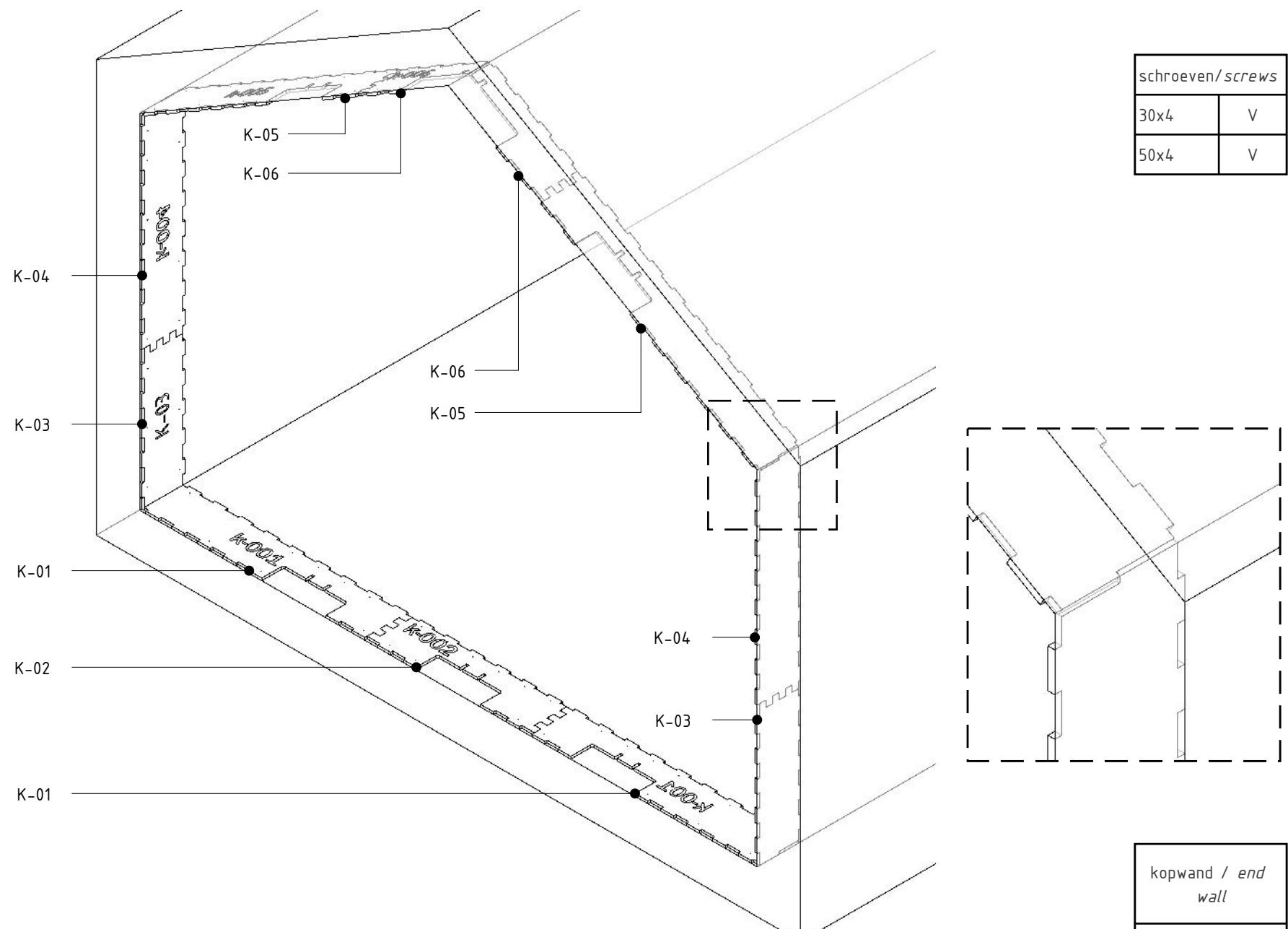
**kopwand compleet/
end wall complete**

kopwand / end
wall

K

onderdelen/parts	
K-01	2
K-02	1
K-03	2
K-04	2
K-05	2
K-06	2

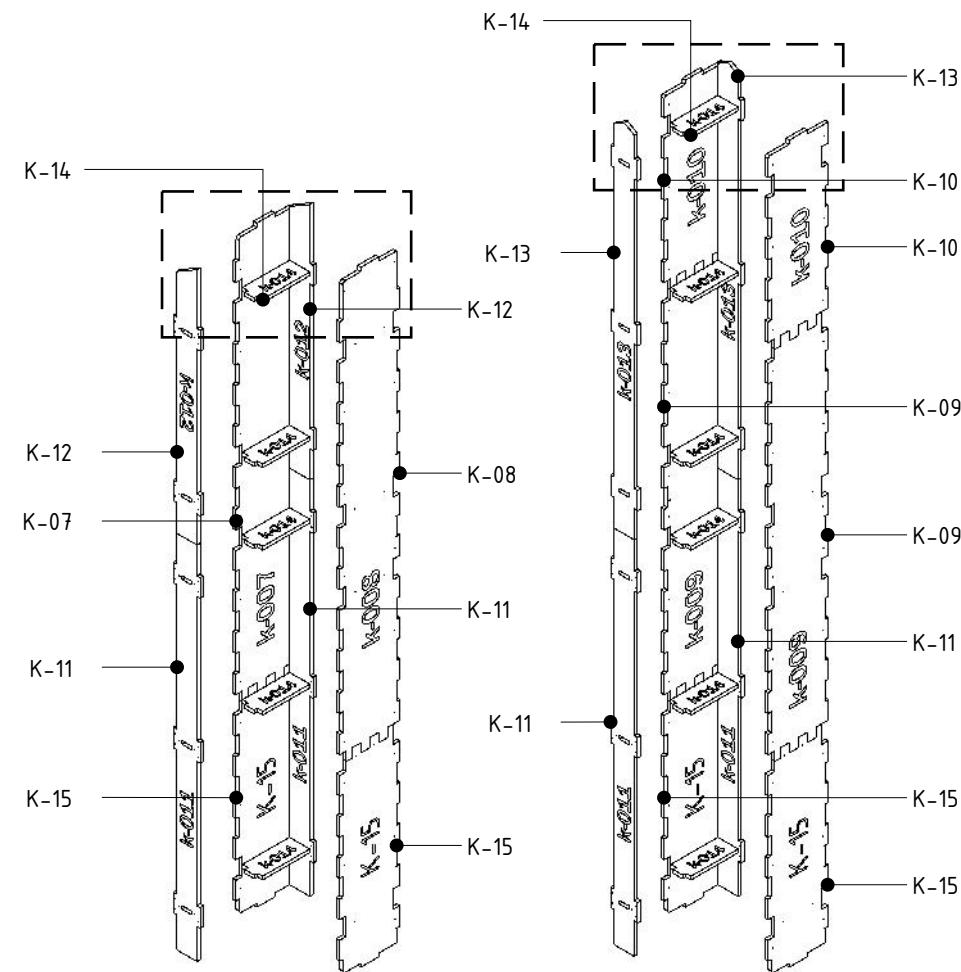
schroeven/screws	
30x4	V
50x4	V



binnenranden voor bevestiging kopwand/
inside edges for fixation endwall

kopwand / end wall
step 1/7
K

onderdelen/parts	
K-07	2
K-08	2
K-09	2
K-10	2
K-11	6
K-12	4
K-13	2
K-14	16
K-15	6

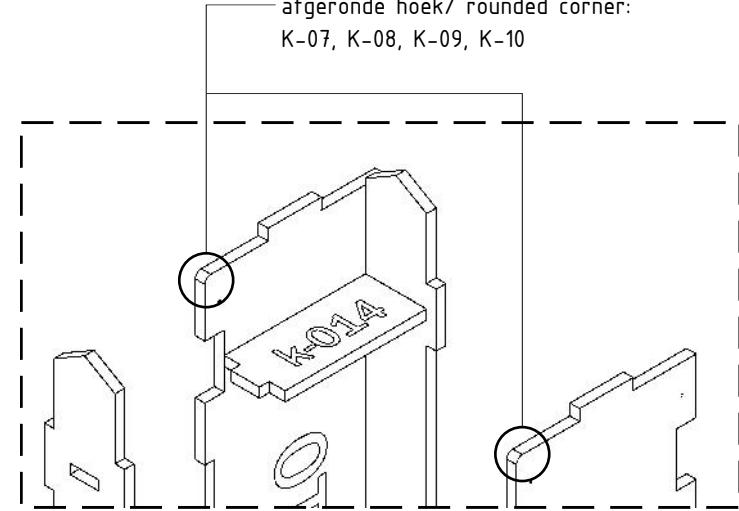


2x

1x

schroeven/screws	
30x4	X
50x4	V

afgeronde hoek/ rounded corner:
K-07, K-08, K-09, K-10

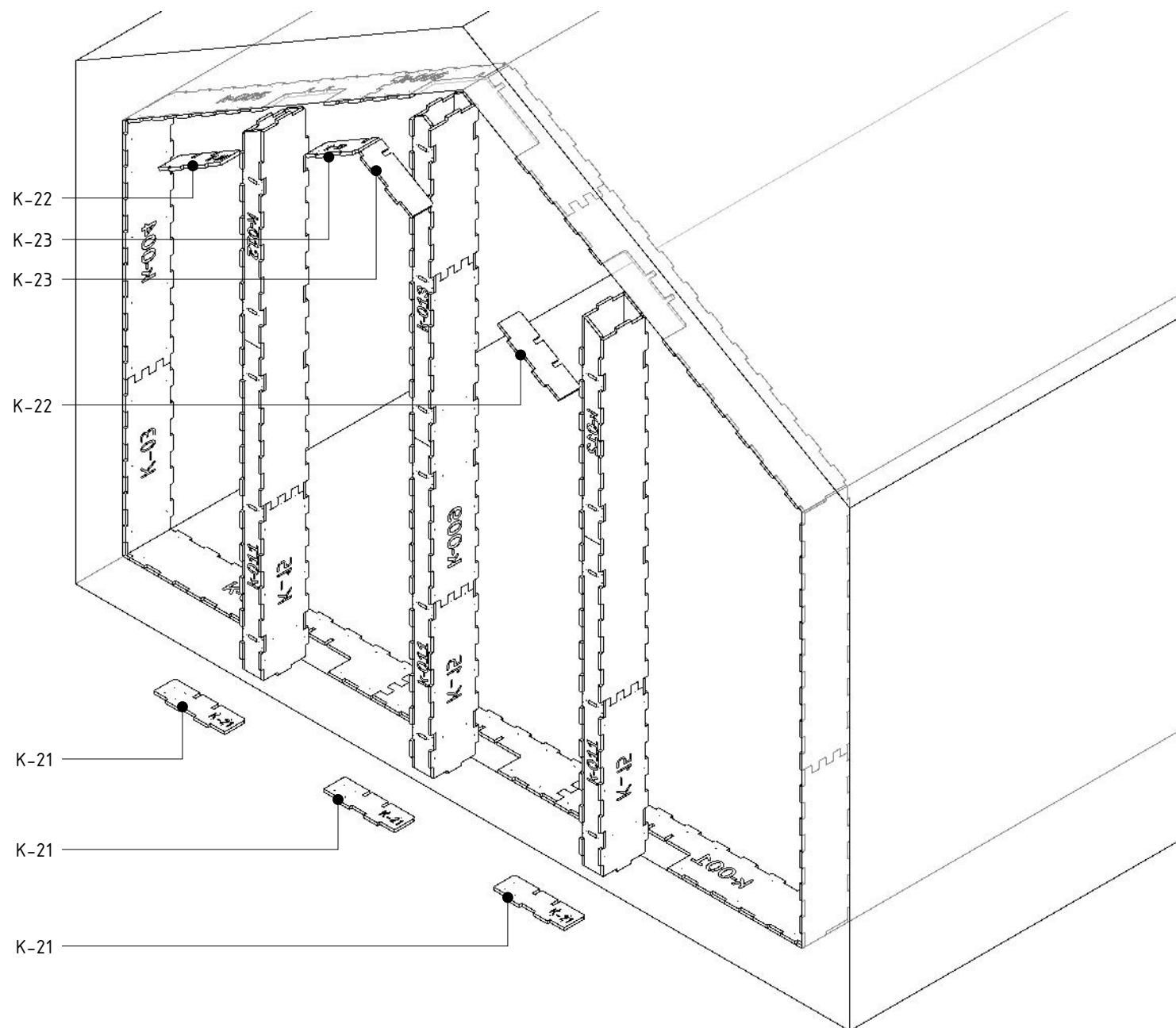


kopwand / end wall
step 2/7
K

stijlen voor het frame van de kopwand/
beams for the end wall frame

onderdelen/parts	
K-21	3
K-22	2
K-23	2

schroeven/screws	
30x4	V
50x4	V

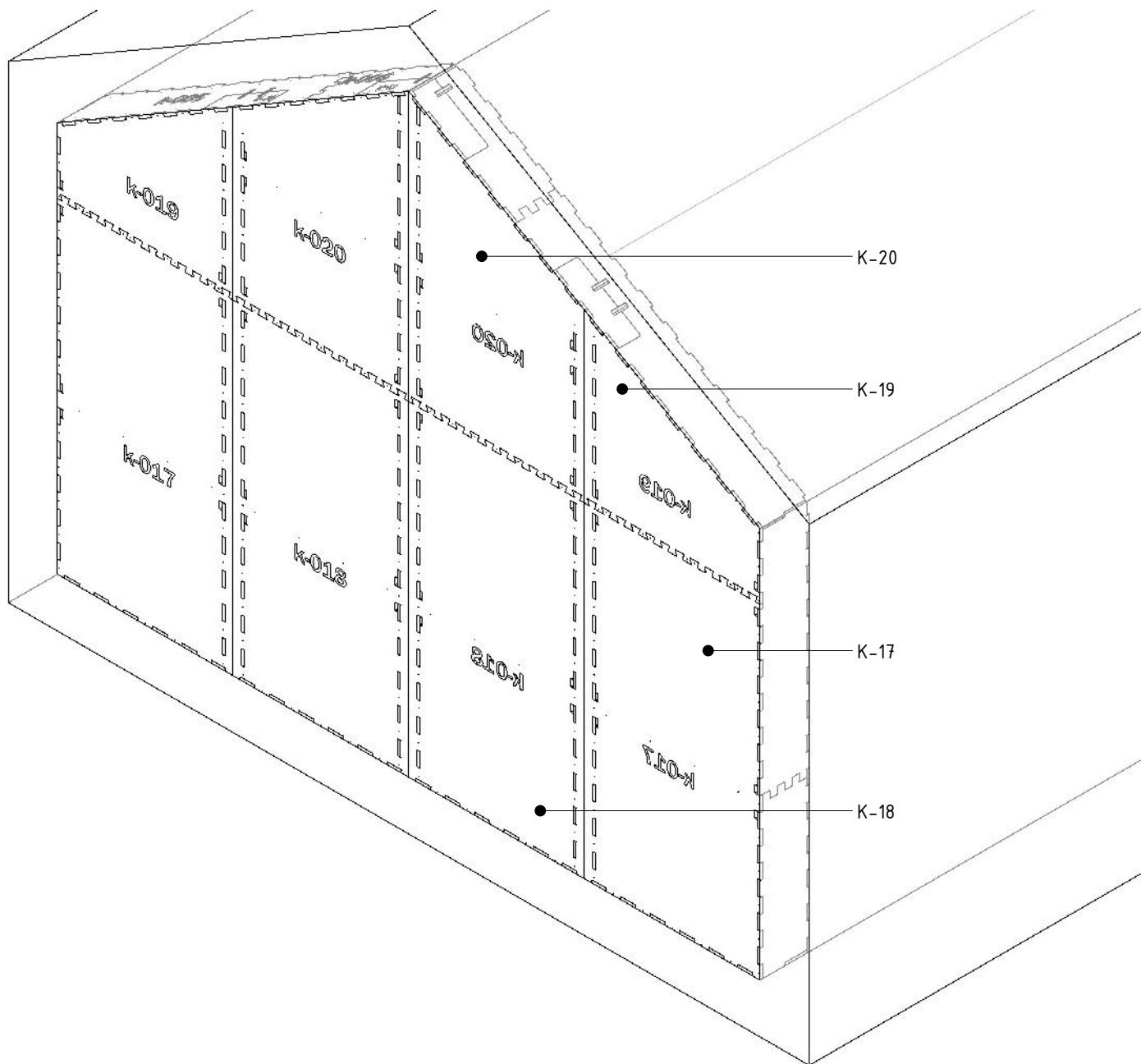


positioneren en fixeren van de stijlen/
place the beams and lock them in

kopwand / end wall
step 3/7
K

onderdelen/parts	
K-17	2
K-18	2
K-19	2
K-20	2

schroeven/screws	
30x4	x
50x4	v



kopwand / end wall
step 4/7

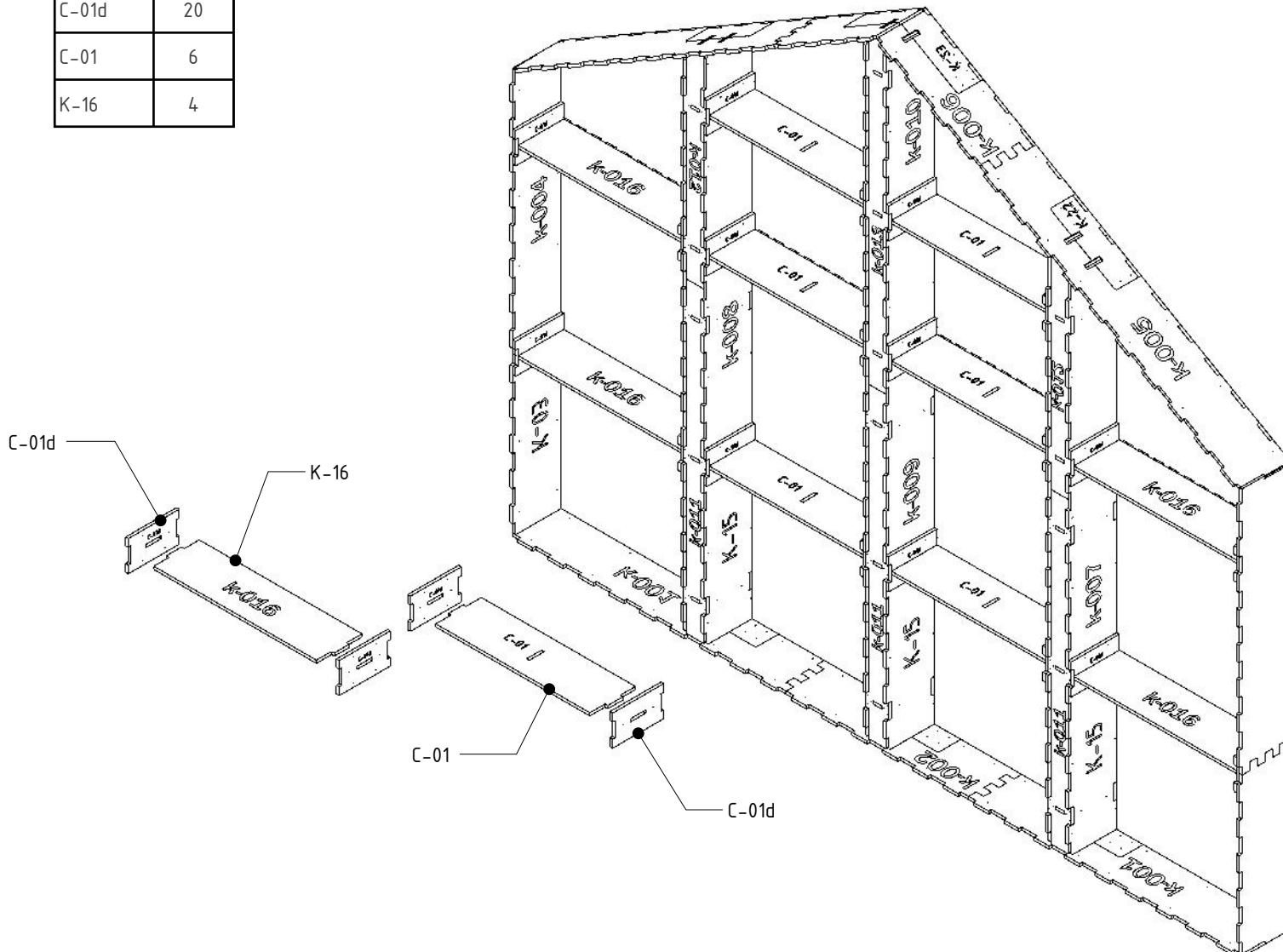
K

buitenplaten bevestigen* / place outside sheets*

*optie is ook om met de binnenplaten te starten / *it is an option to start with the inside sheets

onderdelen/parts	
C-01d	20
C-01	6
K-16	4

schroeven/screws	
30x4	x
50x4	v

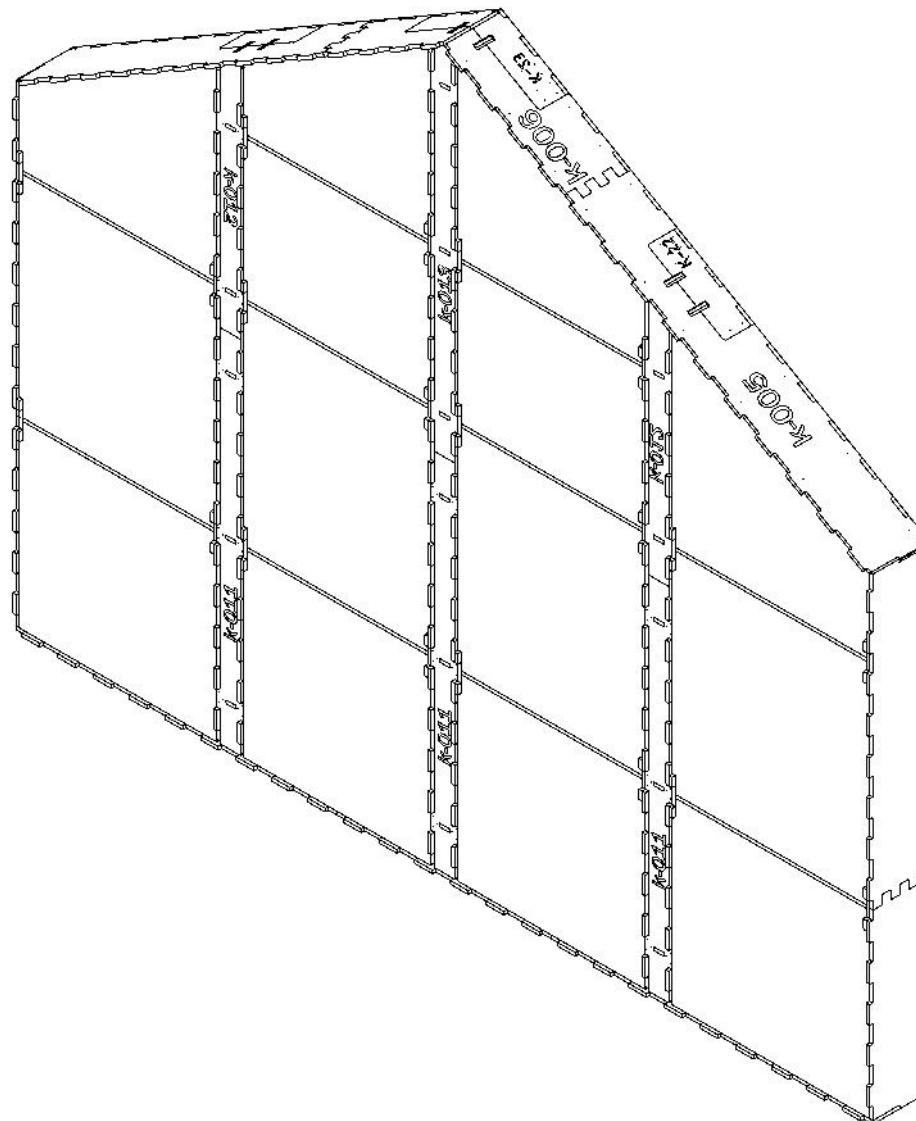


kopwand / end wall
step 5/7
K

2 type connectoren op juiste positie plaatsen en schroef vast /
place 2 types of connectors on their position and fixate with screws

onderdelen/parts

wandisolatie/ wall insulation 300mm	
vlaswol/ flax wool 120mm	ca 20 m ²
vlaswol/ flax wool 180mm	ca 20 m ²



kopwand / end
wall

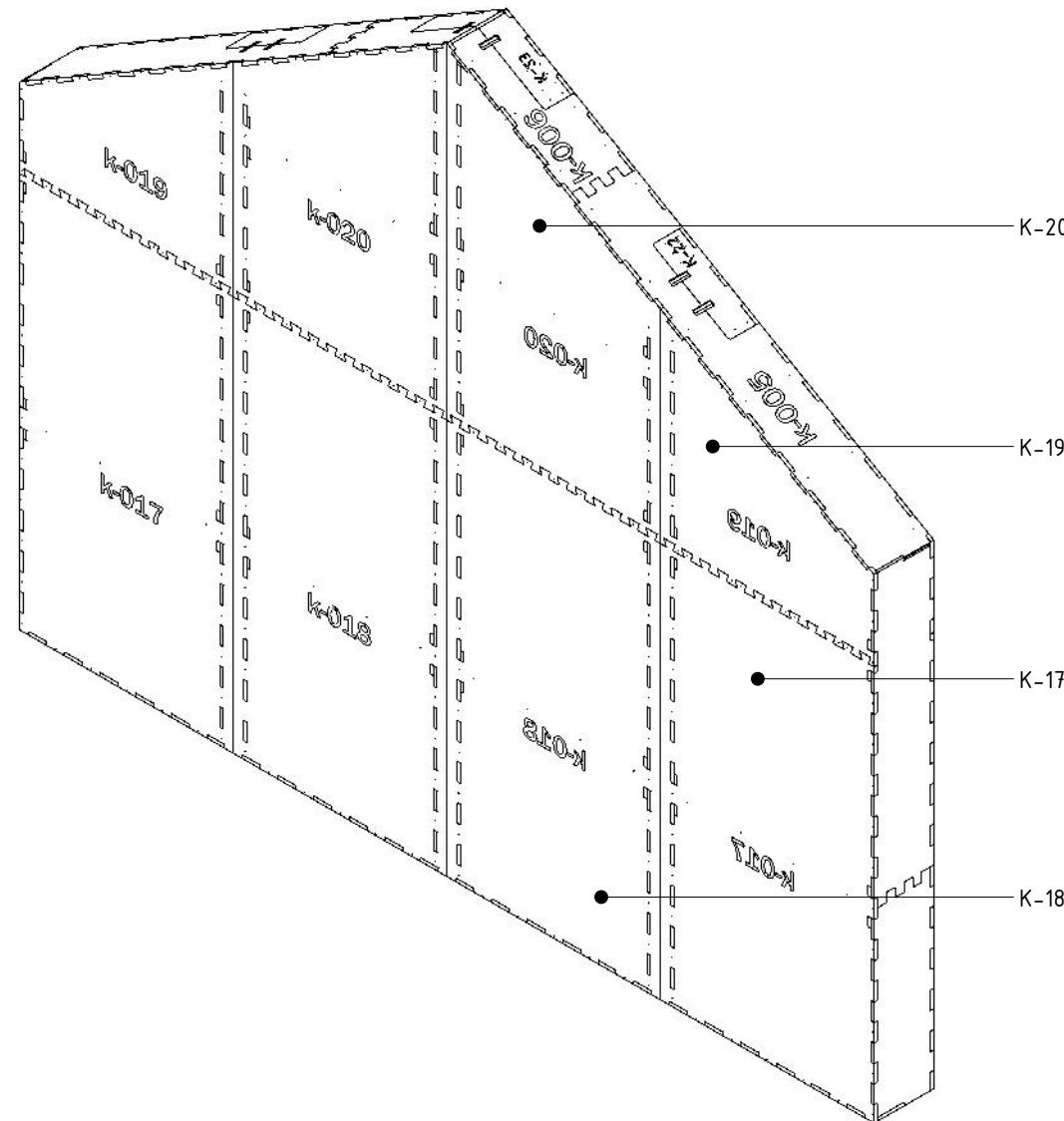
step 6/7

K

isoleer de kopwand/
insulate the end wall

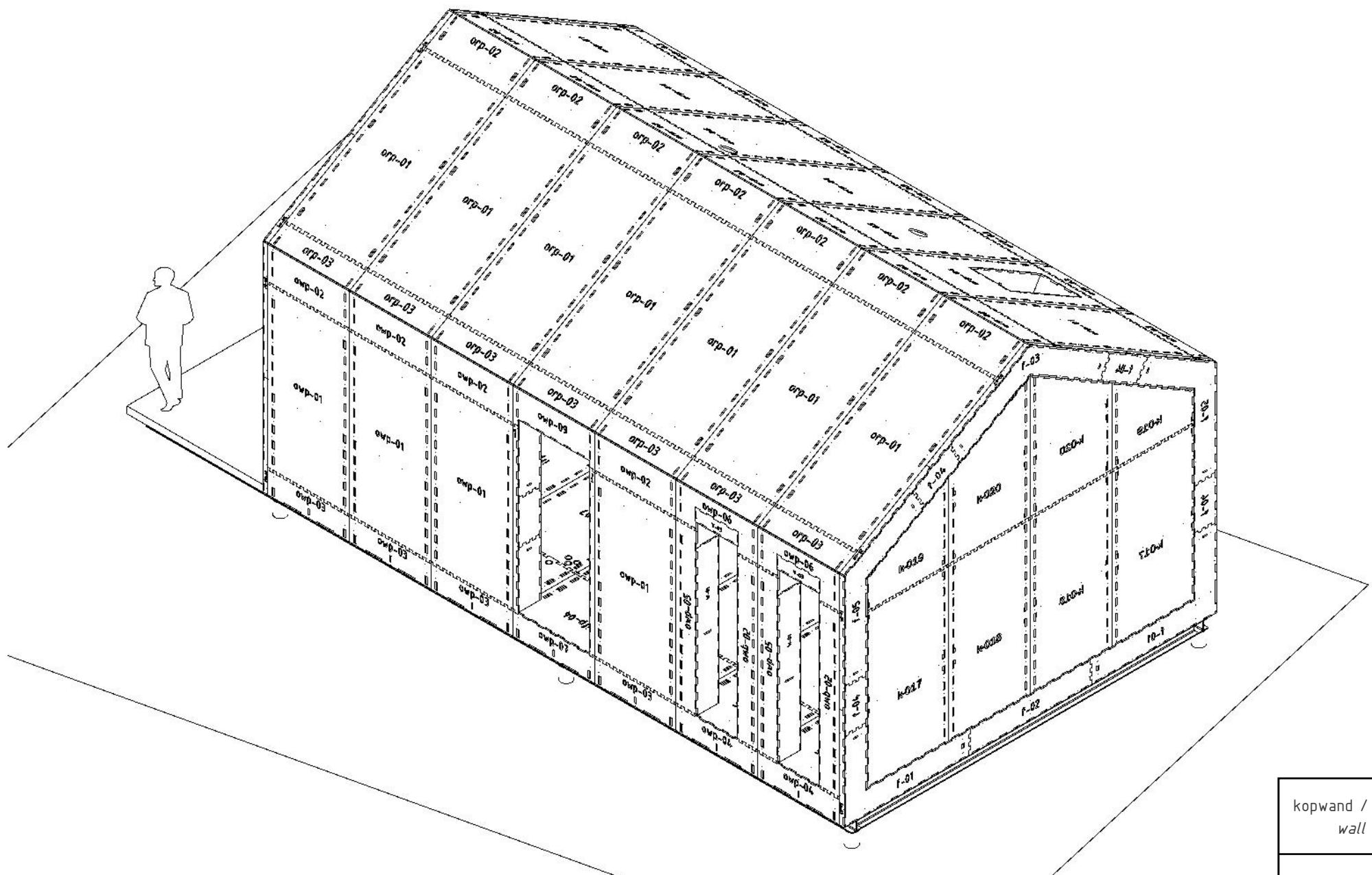
onderdelen/parts	
K-17	2
K-18	2
K-19	2
K-20	2

schroeven/screws	
30x4	x
50x4	v



kopwand / end wall
step 7/7
K

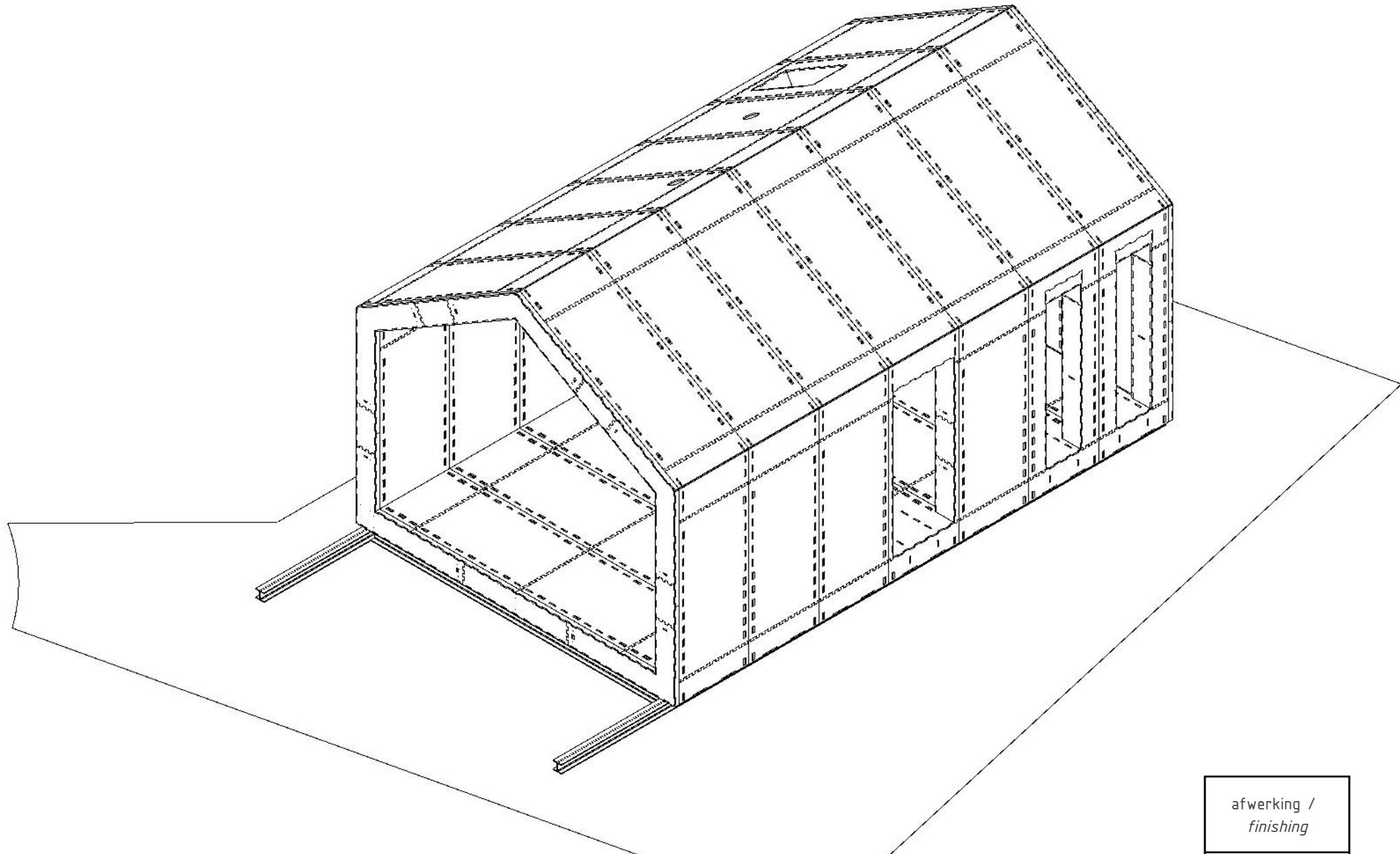
binnenplaten aanbrengen/
place sheets inside



kopwand / end
wall

K

kopwand geplaatst, WikiHouse-casco is klaar voor verdere afwerking! /
end wall placed, WikiHouse chassis is ready for finishing!

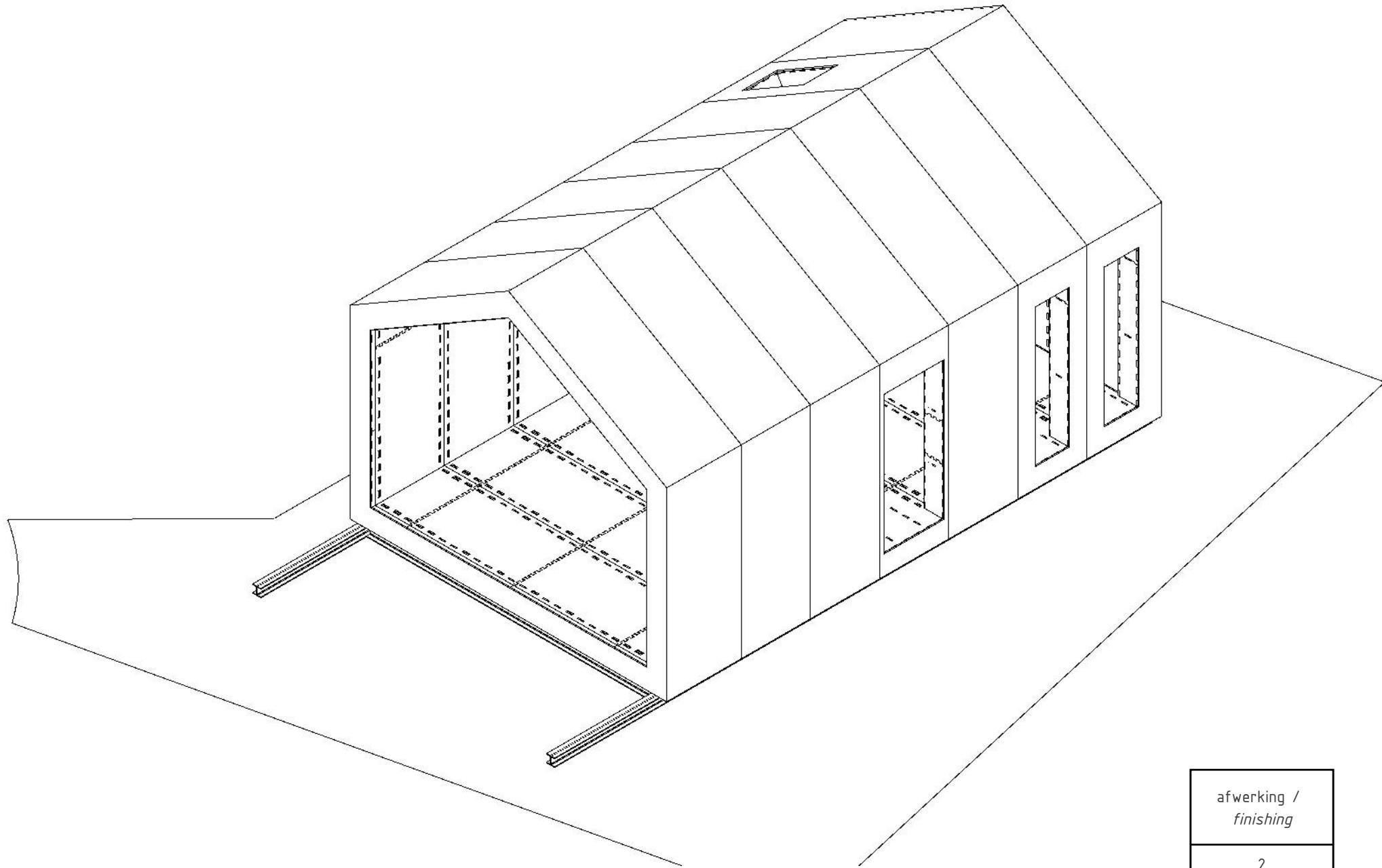


WikiHouse-casco/
WikiHouse chassis

afwerking /
finishing

1

X

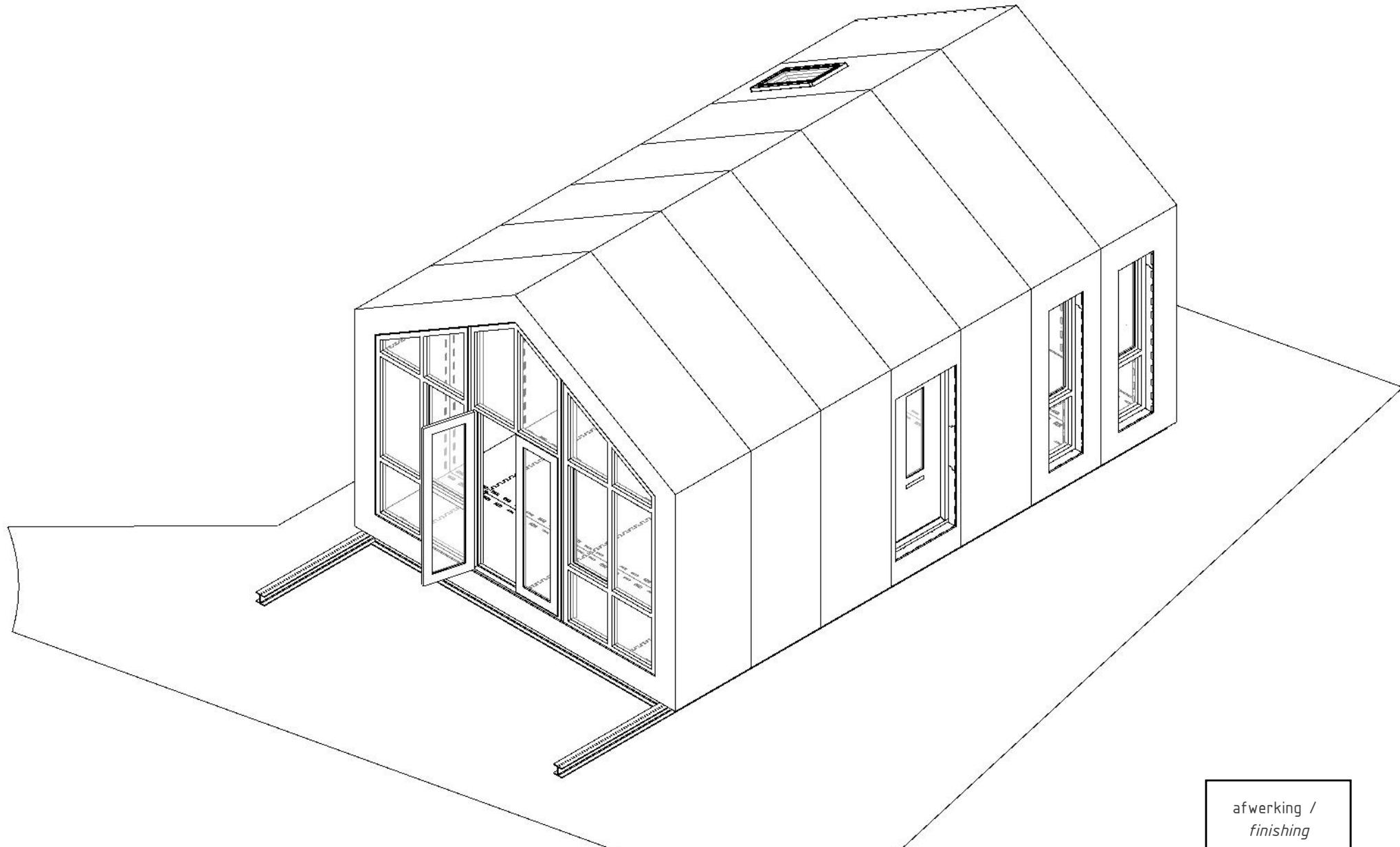


Casco volledig inpakken met waterkerende dampdoorlatende folie/
Wrap the chassis completely with moisturizing foil

afwerking / *finishing*

2

X

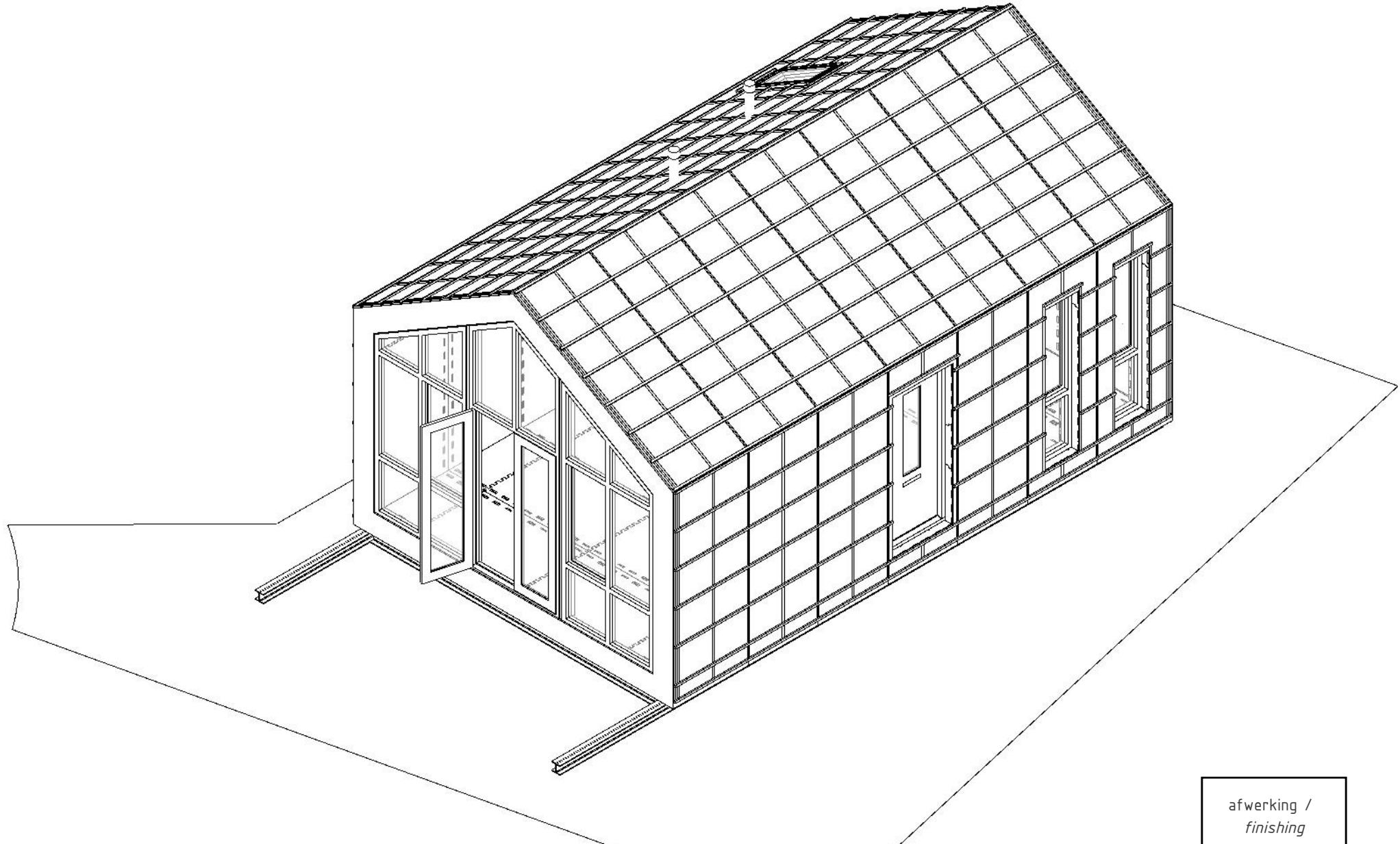


afwerking /
finishing

3

X

Kozijnen plaatsen /
Place the window frames

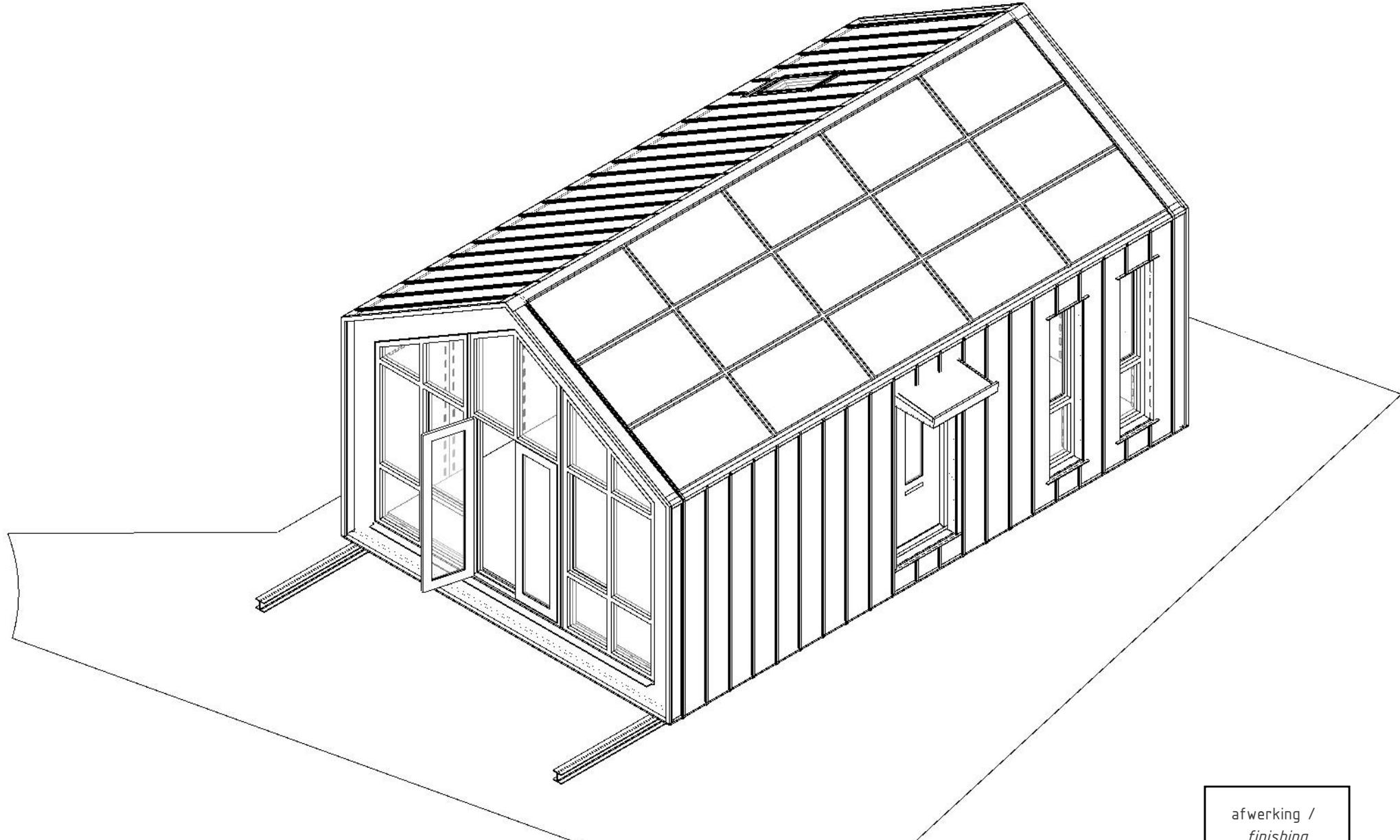


afwerking /
finishing

4

X

Aanbrengen houten latten t.b.v. achterconstructie gevel- en dakbekleding/
Add battens for supporting the facade and roof cladding

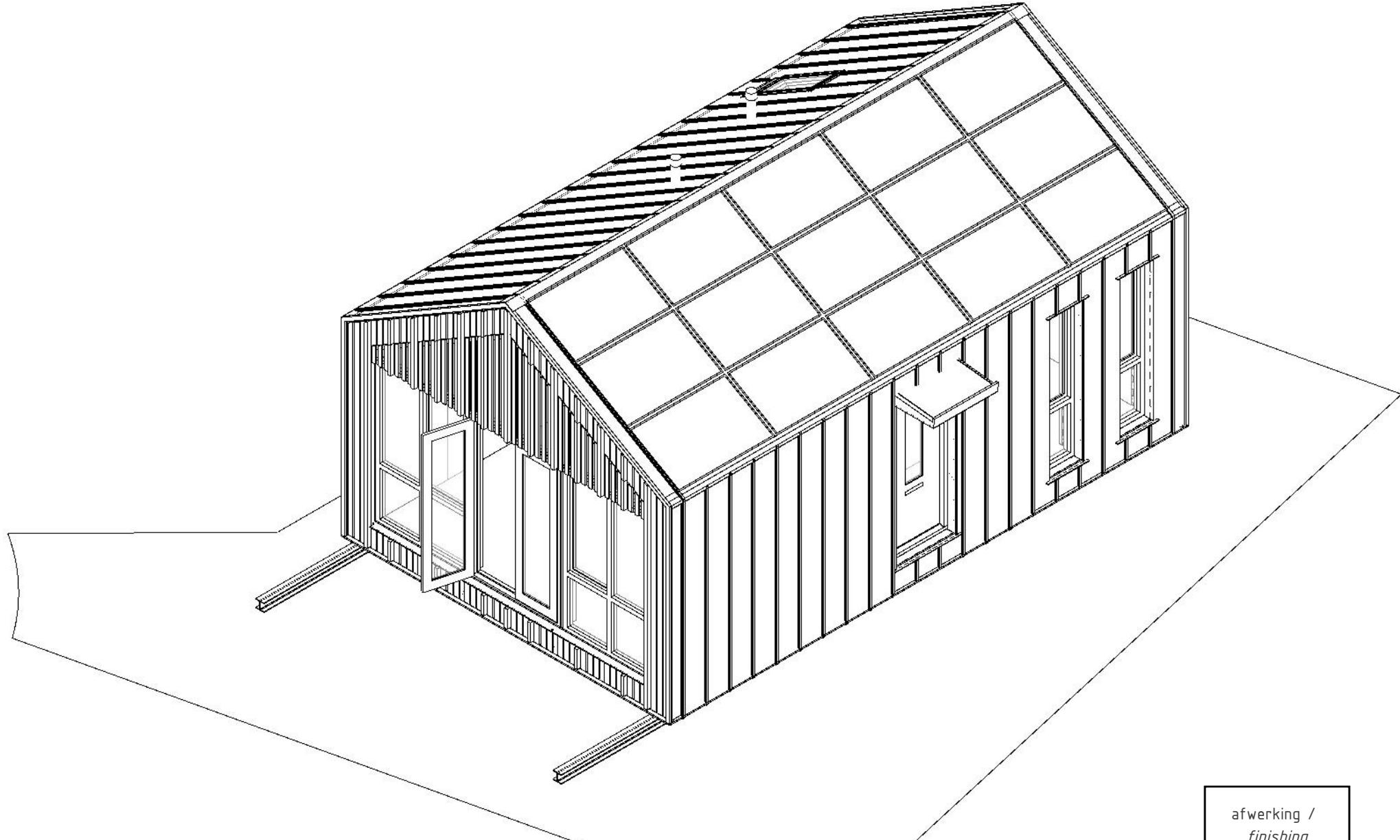


Aanbrengen metalen gevel- en dakbekleding & zonnepanelen/
Put on the metal cladding and solar panels

afwerking /
finishing

5

X

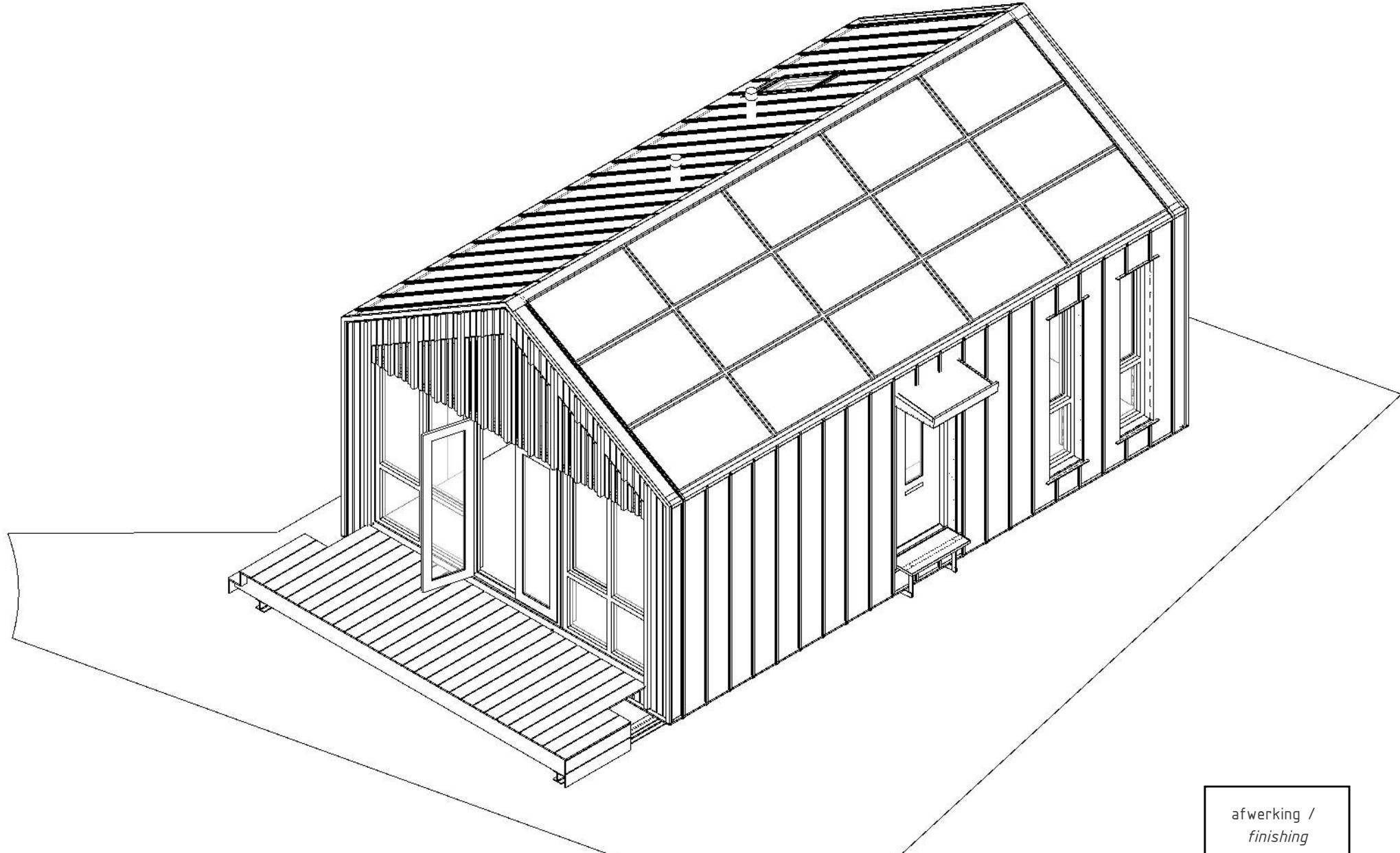


Aanbrengen open houten gevelbekleding/
Add wooden planks as open facade

afwerking /
finishing

6

X

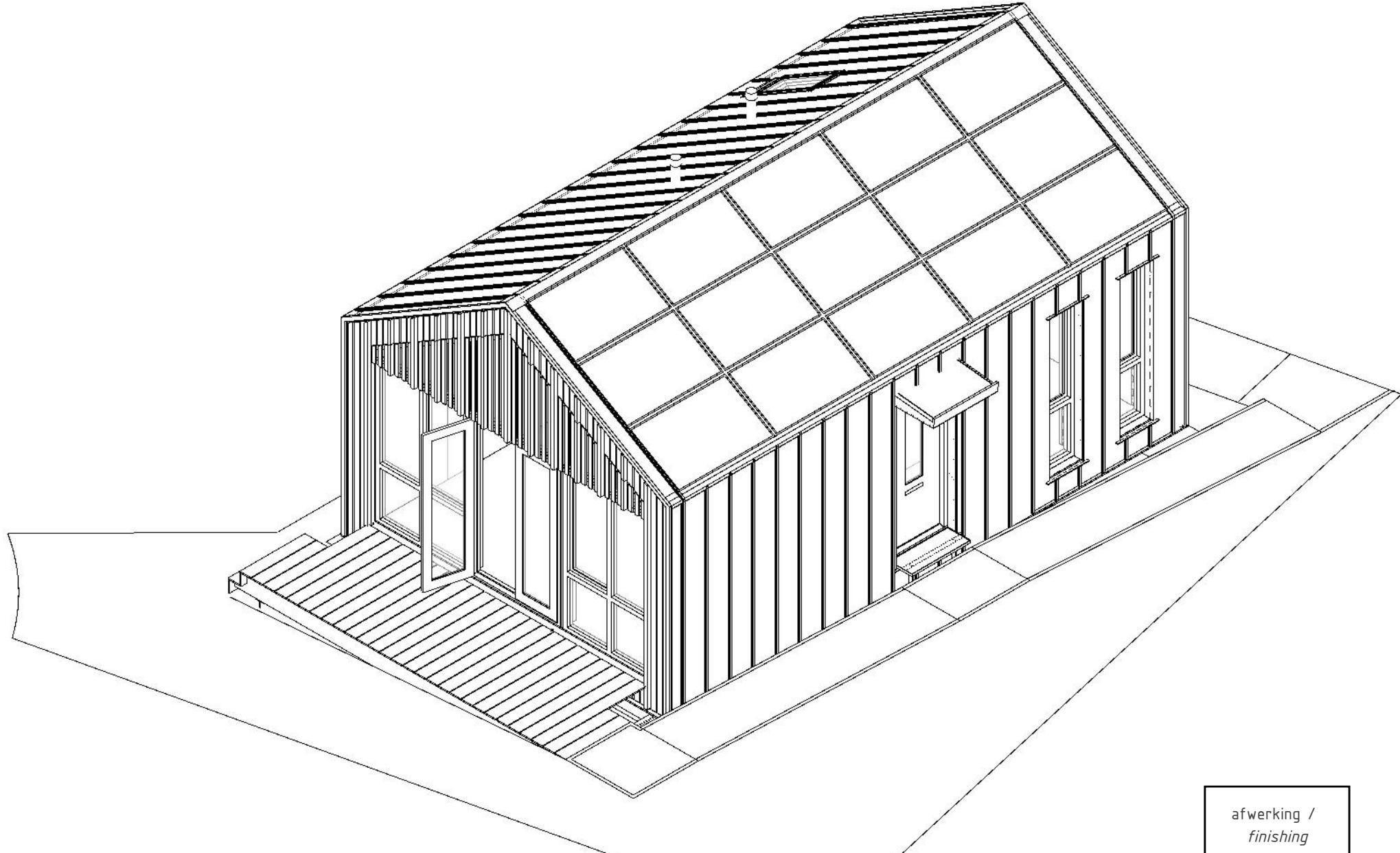


afwerking /
finishing

7

X

Houten terras op de staalconstructie en het metalen opstapje naar de voordeur/
Wooden terrace on the steel frame and metal steps below front door

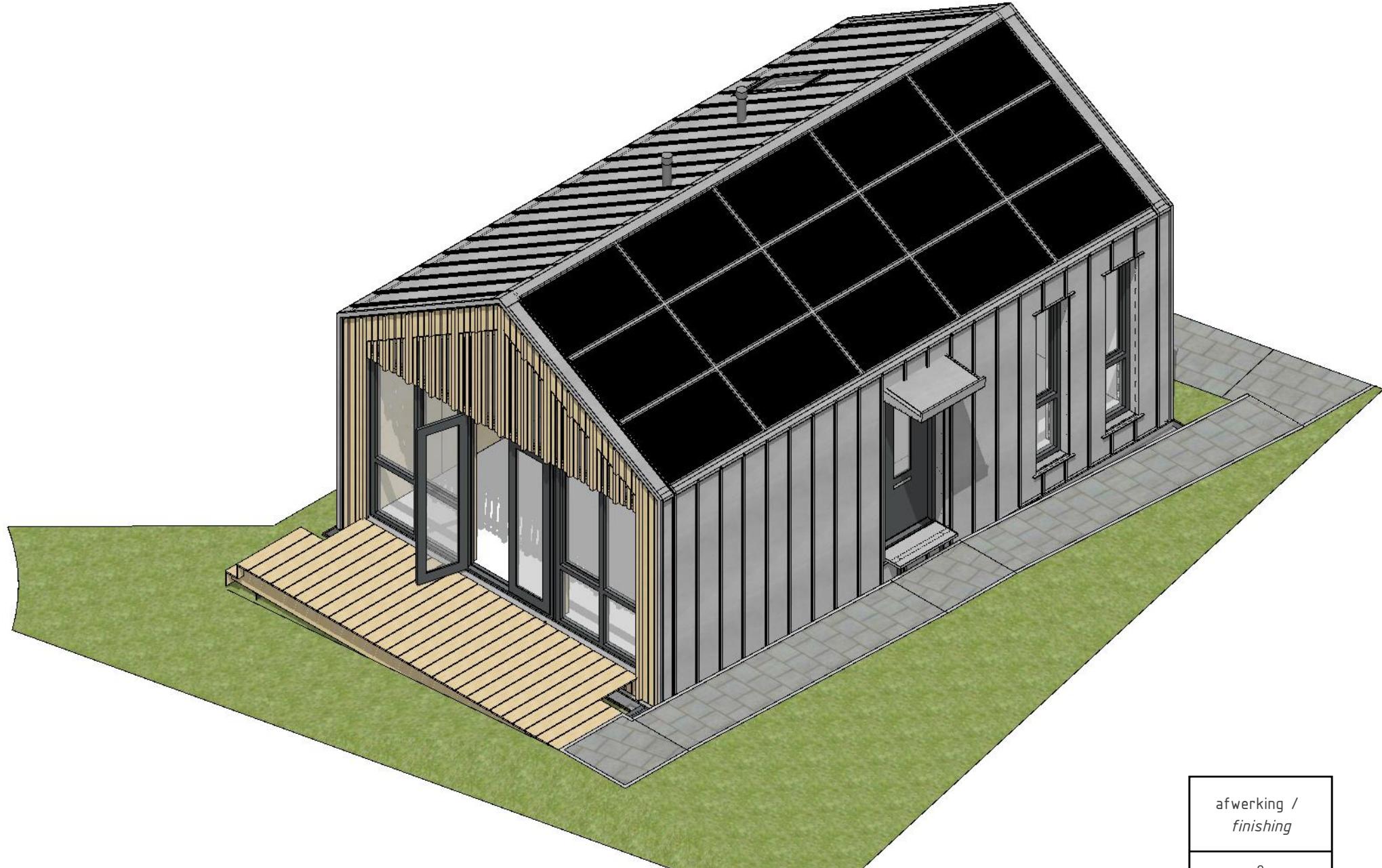


Hellingbaan naar voordeur en het terras /
Ramp to front door and terrace

afwerking /
finishing

8

X



Het resultaat /
The result

afwerking /
finishing

9

X



ontwerpburo
MULLER

SHR



gs GoedeStede
gewoon goed

PVA Peter Veldmans Architectuur

invent

ricksmeen

T TREBBE
ONTWIKKEL EN BOUWT

JG
Jan Willem de Groot Architect

BOUW
scoop

trima
plaatmateriaal



Met dank aan: /
Thanks to: