

Project:

DIY Animal Shelter

Bill of Material:

- 43 Pcs. Formwork Panel 50 x 150 cm
- 68 Pcs. Wooden Board 10 x 200 cm
- 4 Pcs. Square Timber 8 x 8 x 200 cm
- 1 Pcs. Square Timber 12 x 3 x 240 cm
- 25 Pcs. Roof Battens 3 x 4 x 200 cm
- 3 m. Angle Iron 25 x 25 x 3 mm, galv.
- 10 m² Bitumen Roof Shingles
- 2 Pcs. Aluminium Sheet-Angle (Ridge Plate) 100 x 100 x 1 mm (length = 2 m)
- 8 Pcs. Aluminium Sheet-Angle 30 x 80 x 1 mm (length = 1.55 m)
- 1300 Pcs. Chipboard Screws 4 x 40 mm, galv.
- 200 Pcs. Chipboard Screws 4 x 55 mm, galv.
- 100 Pcs. Chipboard Screws 6 x 80 mm, galv.
- 100 Pcs. SS Plumber's Sealing Screws 4,5 x 30 mm
- 1 Box. Cardboard Nails 2 x 20 mm, galv.
- 1 Box. Cardboard Nails 2 x 25 mm, galv.
- 11 Pcs. Hex. Bolt's M12 x 80 c/w nut's & washer
- 3 Pcs. Sliding Bolt
- 2 Pcs. Storm Hook
- 4 Pcs. Hinge
- 1 m. Perforated Metal Tape, galv.



Dimensions aproxm.: 3.00 x 2.25 mtr. - Height: 2.50 mtr.

DESIGNATION: **DYI Animal Shelter**

DWG #:
e110501-000A

DATE:
17-Jan-2021

UDO ELGER
KUHLENKAMP 22
48455 BAD BENTHEIM / GERMANY

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Bad Bentheim, 17th. January 2021

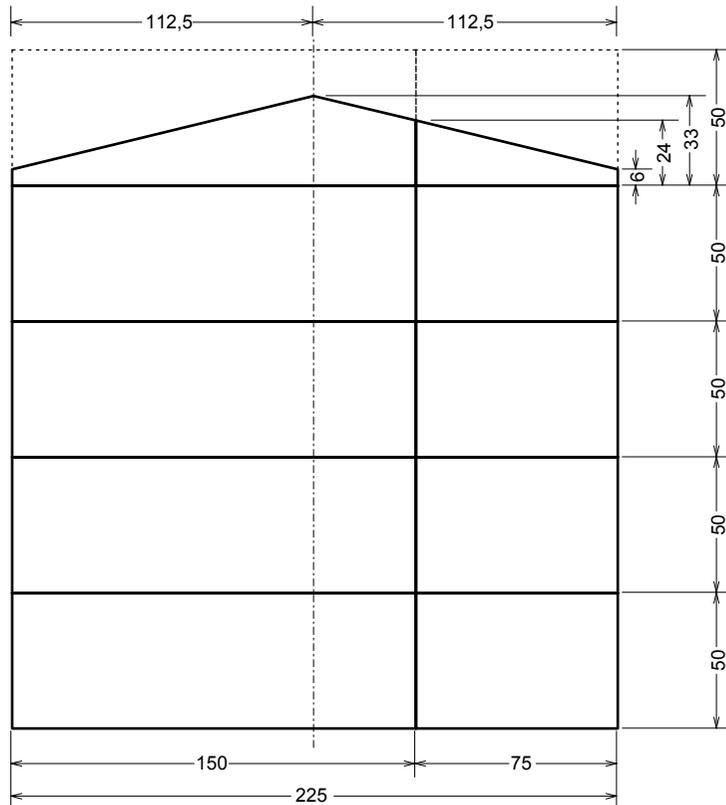
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DESIGNATION: DYI Animal Shelter

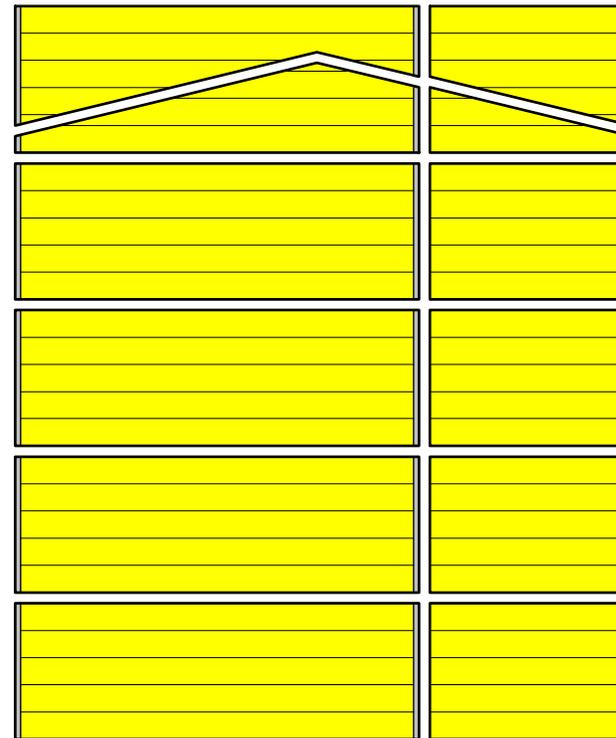
DWG #:
e110501-000B

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17-Jan-2021

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...keep remaining piece for the roof (...see DWG#: e110501-005A) !



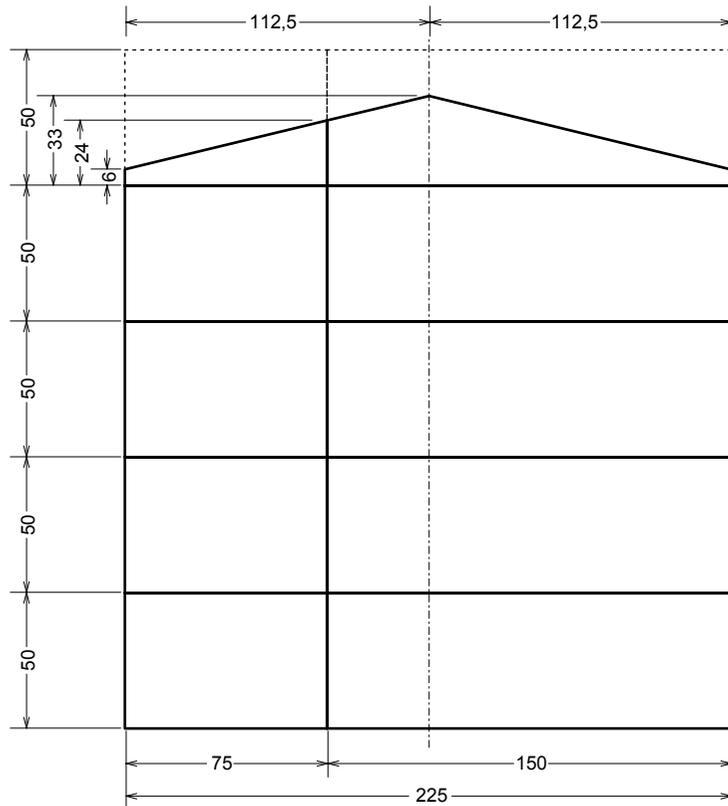
...all dimensions are given in centimeter (cm), except where indicated

DESIGNATION: **DYI Animal Shelter**
Formwork Panel Layout - side-wall, right

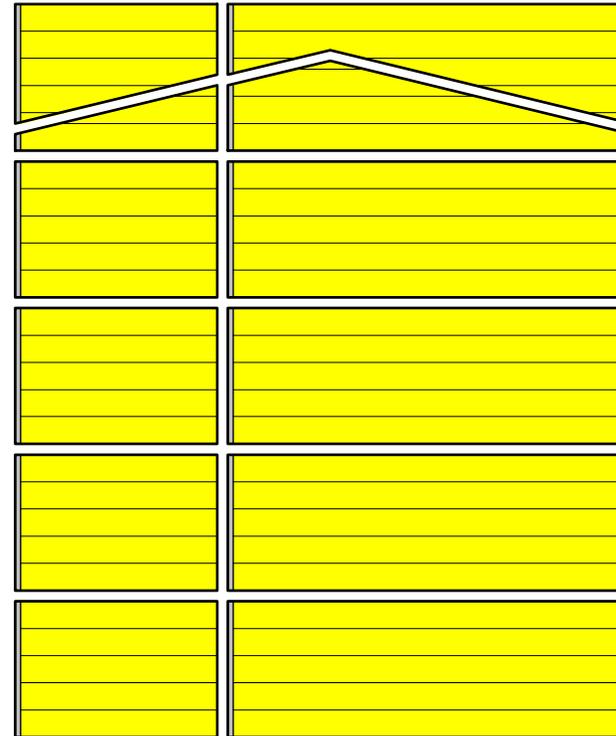
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DATE:
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...keep remaining piece for the roof (...see DWG#: e110501-005A) !



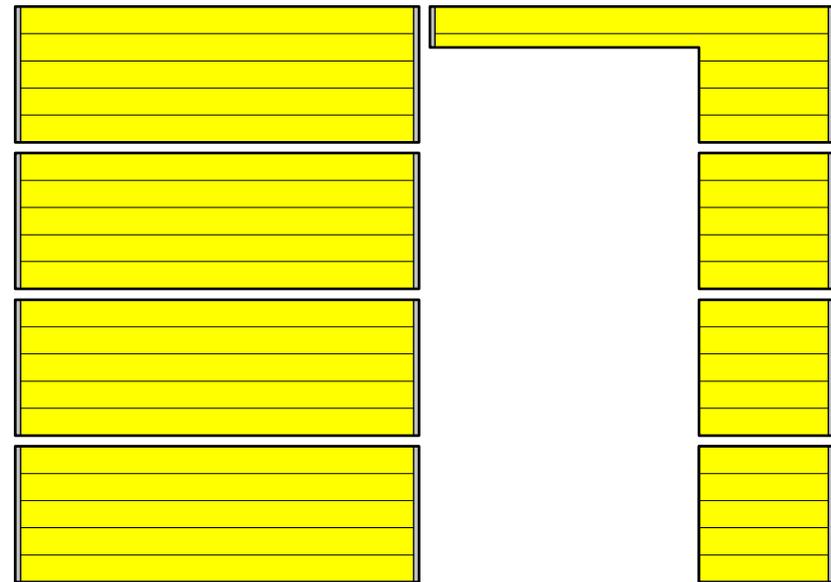
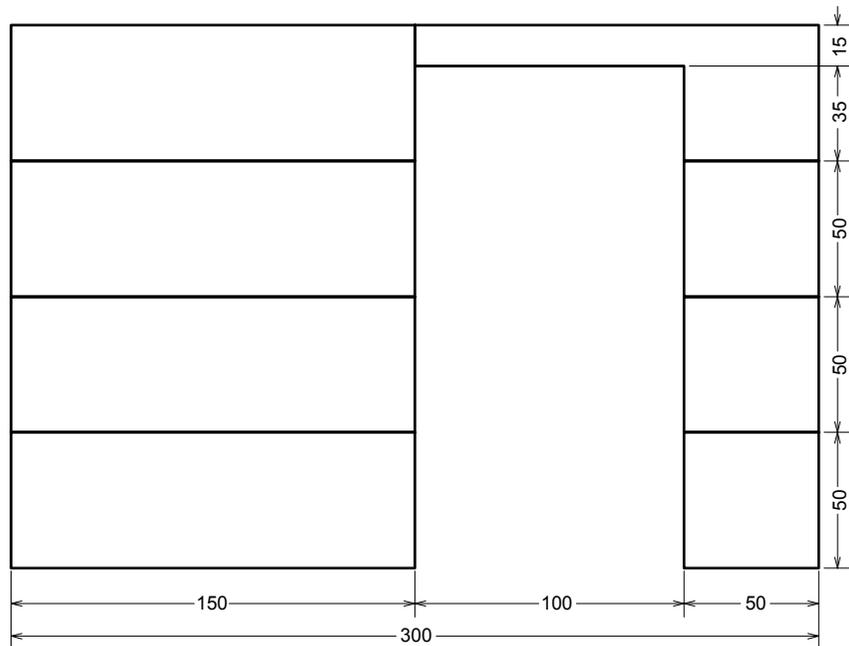
...all dimensions are given in centimeter (cm), except where indicated

DESIGNATION: **DIY Animal Shelter**
Formwork Panel Layout - side-wall, left

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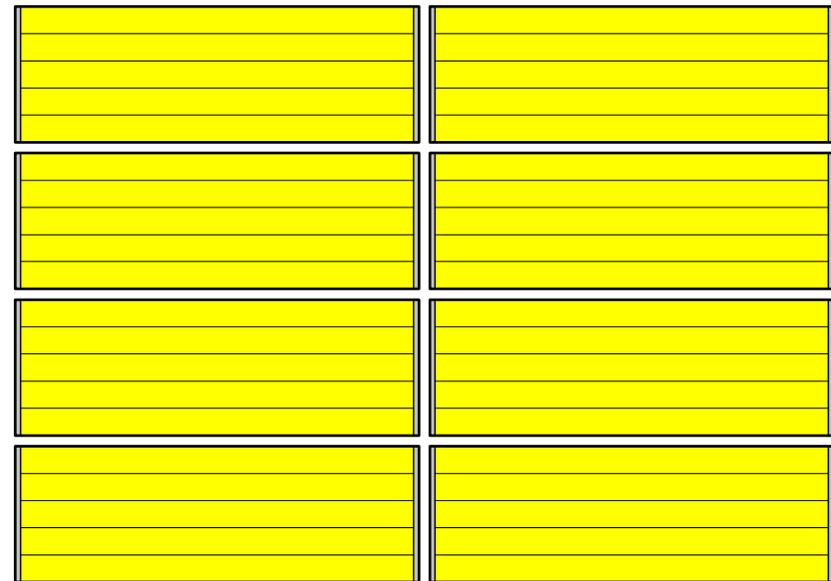
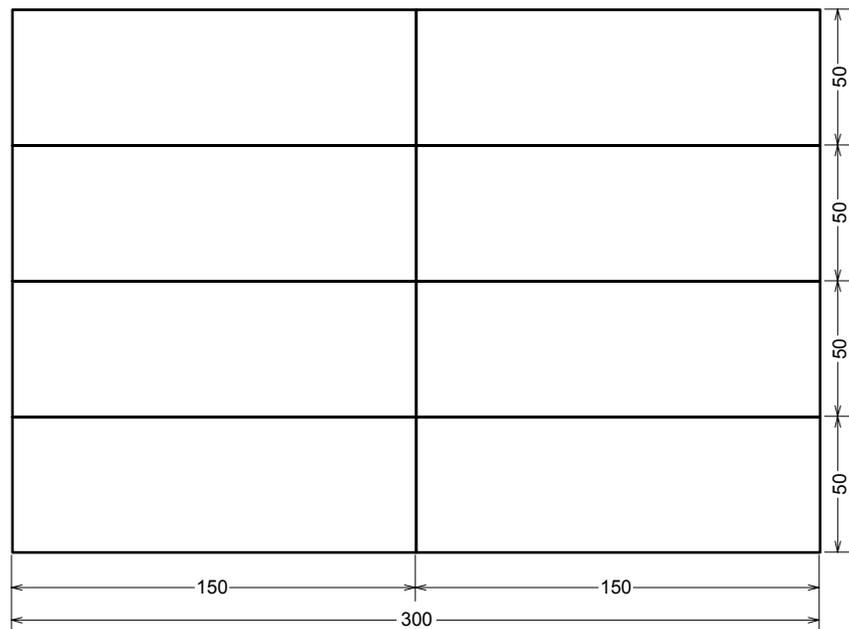
...all dimensions are given in centimeter (cm), except where indicated

DESIGNATION: **DIY Animal Shelter**
Formwork Panel Layout - front-side with entry

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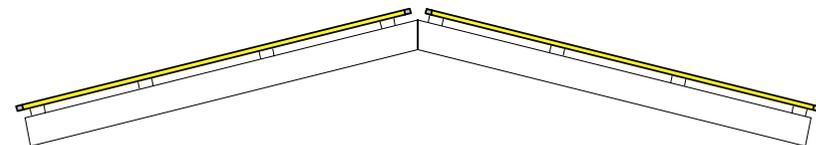
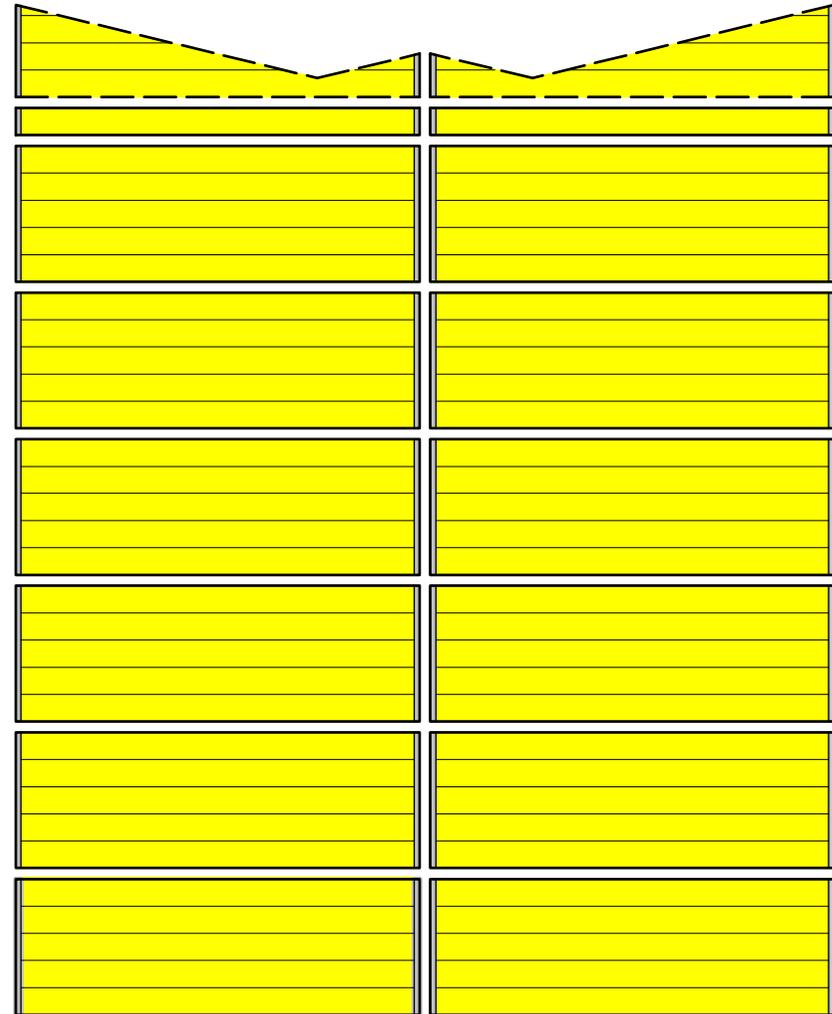
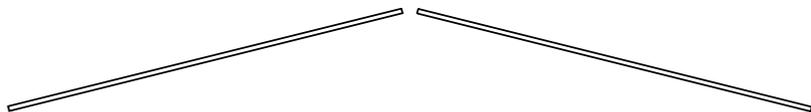
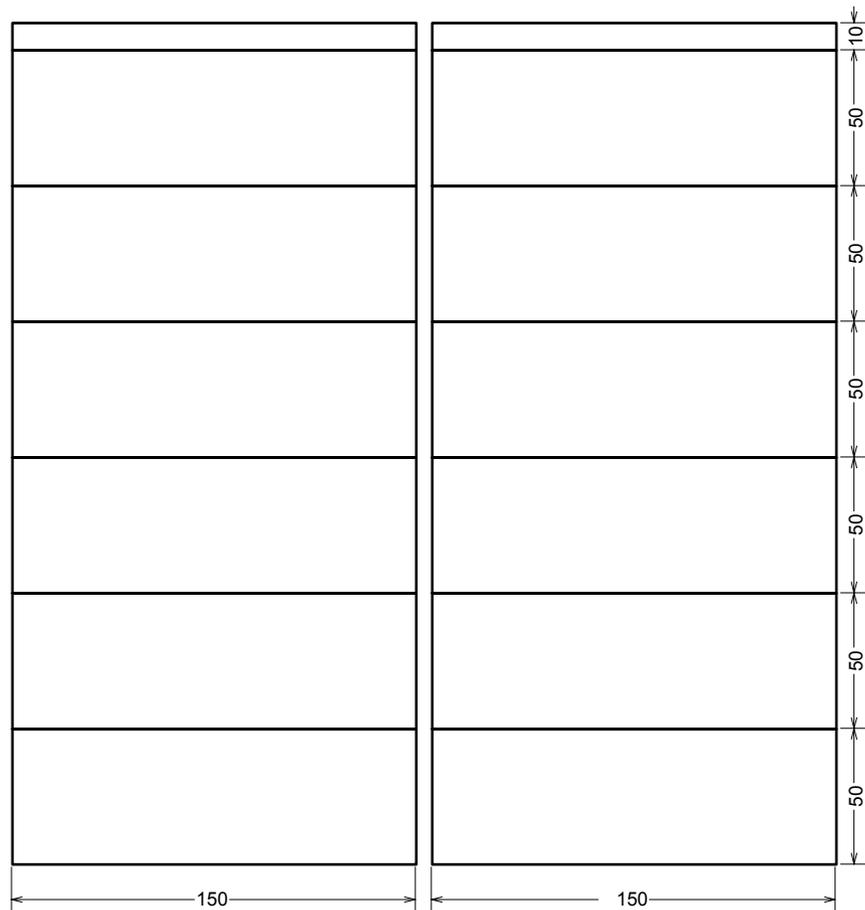
...all dimensions are given in centimeter (cm), except where indicated

DESIGNATION: **DIY Animal Shelter**
Formwork Panel Layout - rear (back) side

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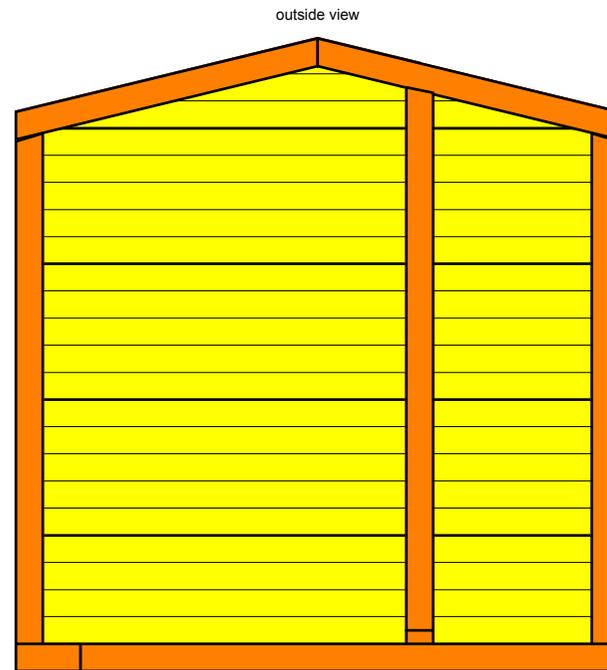
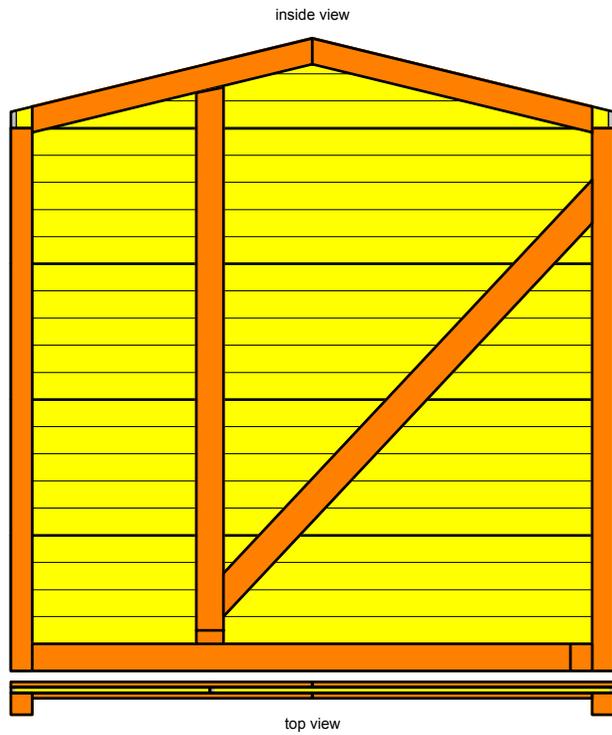
...all dimensions are given in centimeter (cm), except where indicated

DESIGNATION: **DYI Animal Shelter**
Formwork Panel Layout - roof

DWG #: e110501-005A

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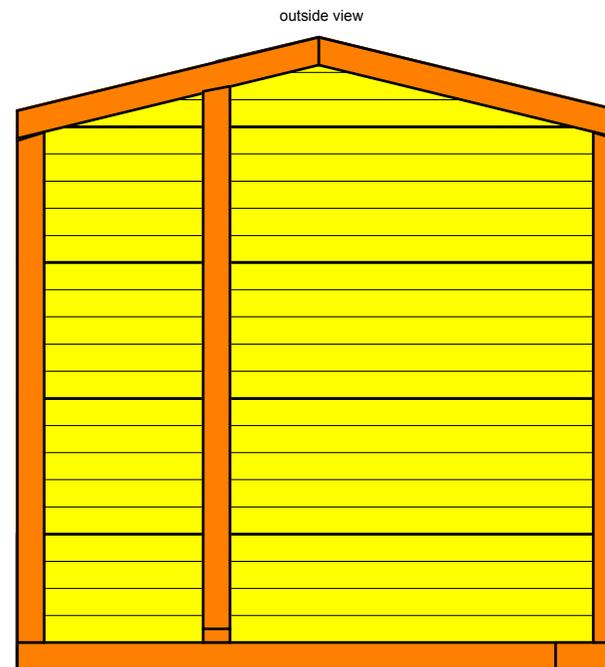
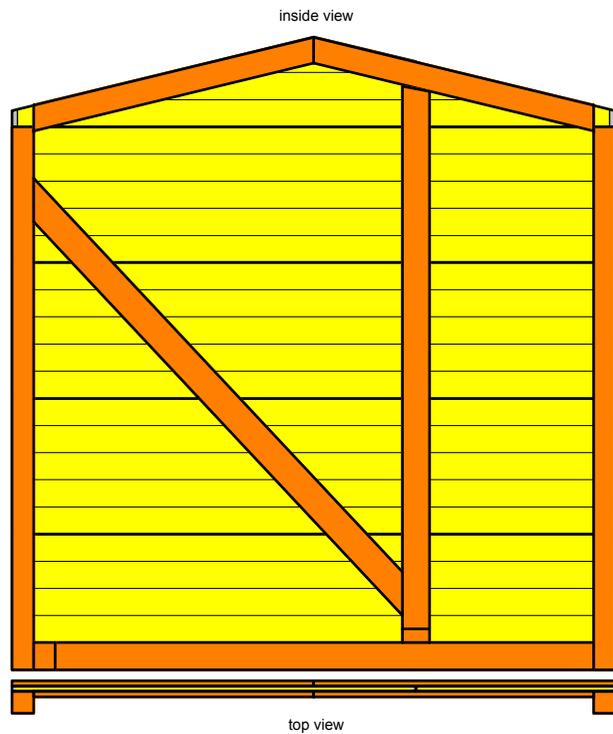
Formwork Panels assembled with on both sides mounted (*Sandwich*)
 Wooden Board (...use 4 x 40 mm galv. Chipboard Screws)

DESIGNATION: **DIY Animal Shelter**
 Assembling - side-wall, right

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Formwork Panels assembled with on both sides mounted (*Sandwich*)
 Wooden Board (...use 4 x 40 mm galv. Chipboard Screws)

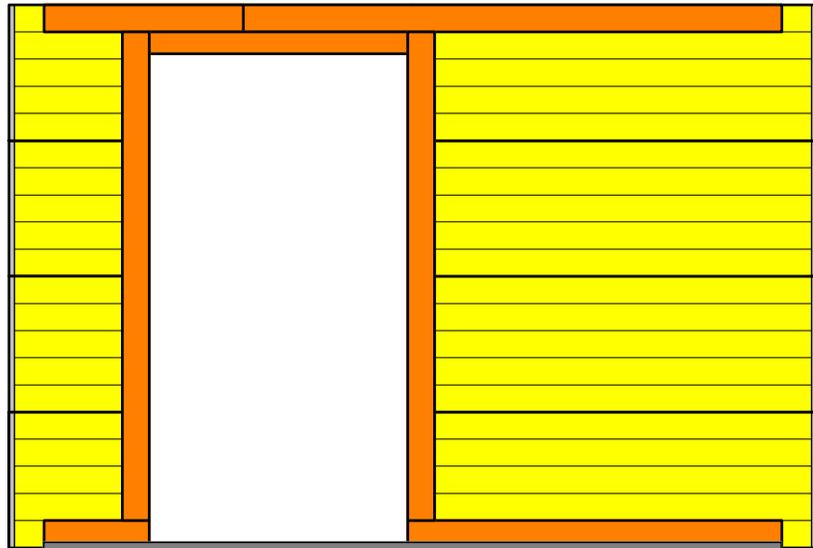
DESIGNATION: **DIY Animal Shelter**
 Assembling side-wall, left

DWG #: e110501-007A

DATE: 17-Jan-2021

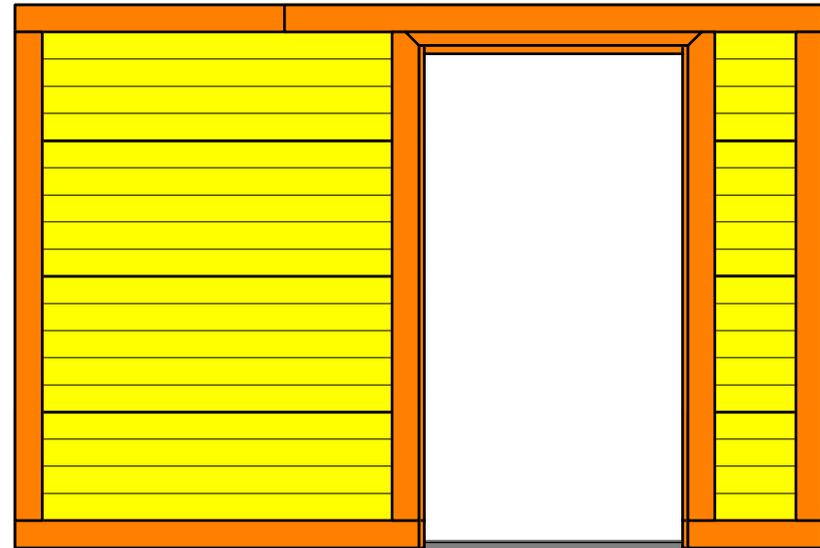
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inside view



Galvanized Angle Iron 25 x 25 x 3 mm (mounted inside from the bottom)

outside view



Formwork Panels assembled with on both sides mounted (*Sandwich*)
Wooden Board (...use 4 x 40 mm galv. Chipboard Screws)

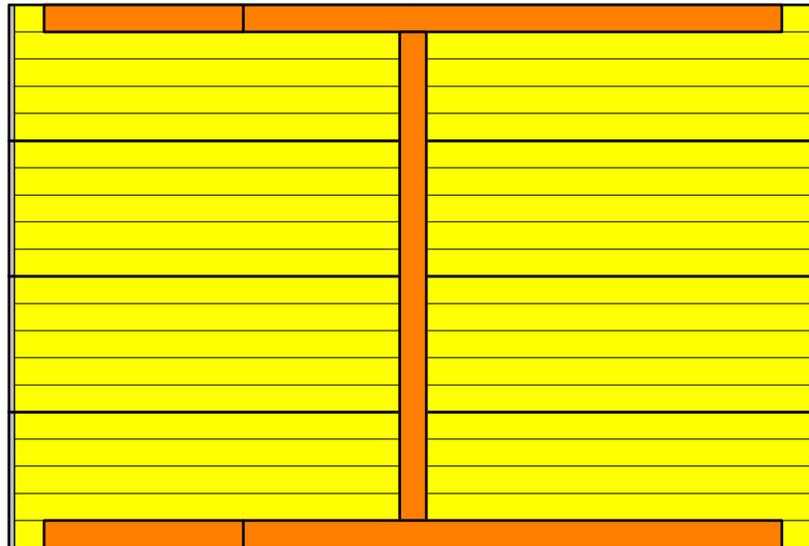
DESIGNATION: **DYI Animal Shelter**
Assembling - front-side with entry

DWG #:
e110501-008A

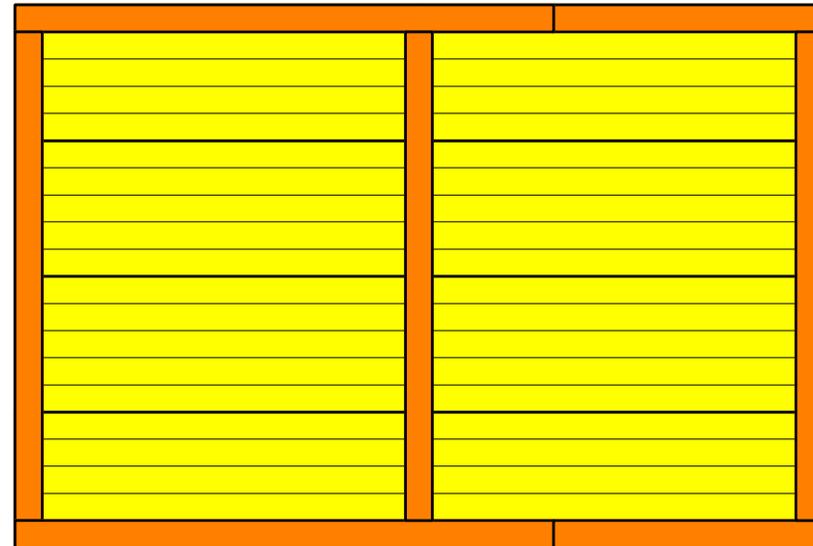
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inside view



outside view



Formwork Panels assembled with on both sides mounted (*Sandwich*)
Wooden Board (...use 4 x 40 mm galv. Chipboard Screws)

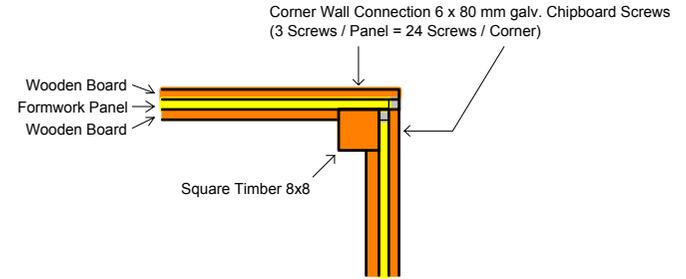
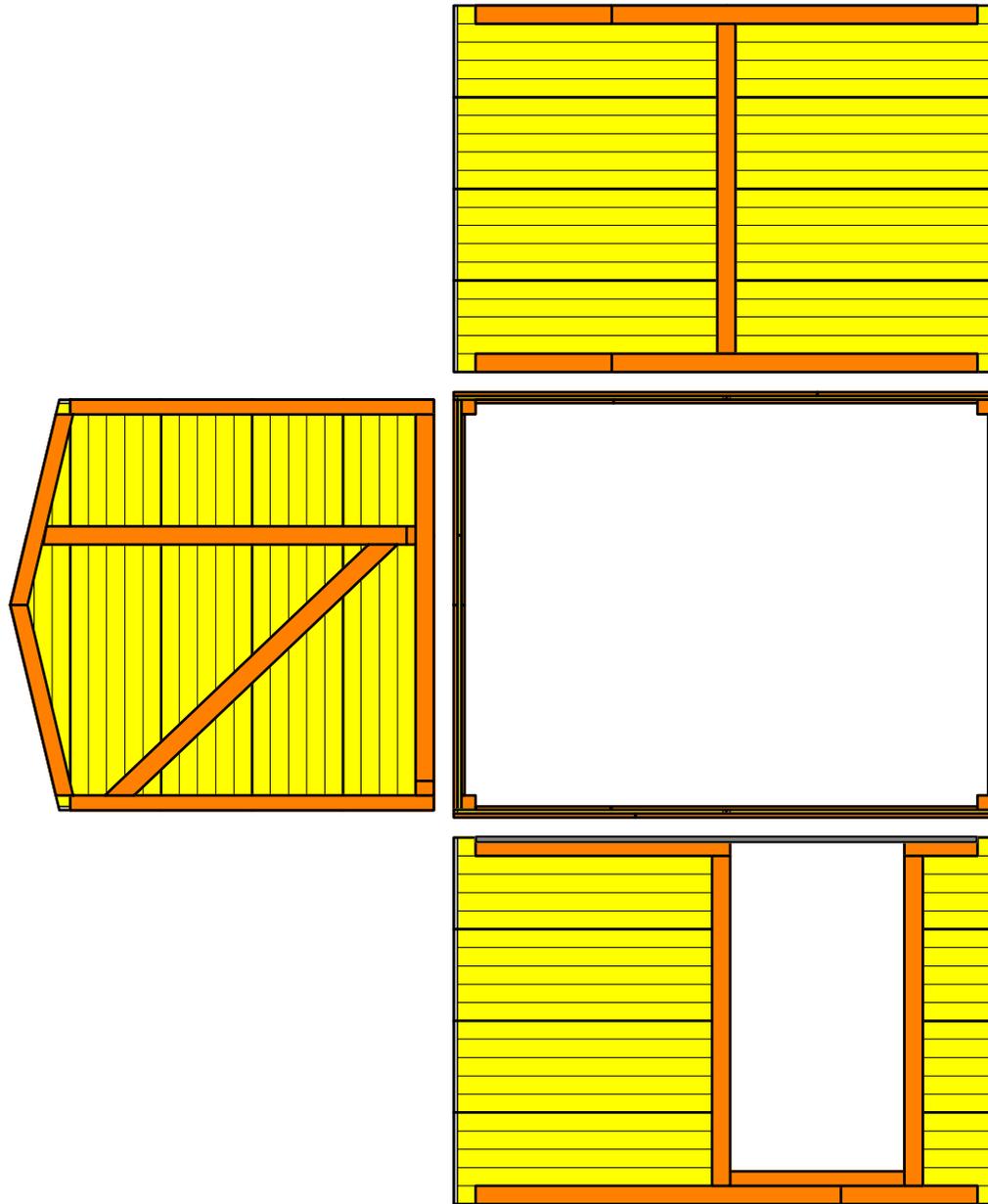
DESIGNATION: **DIY Animal Shelter**
Assembling - rear (back) side

DWG #:
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DATE:
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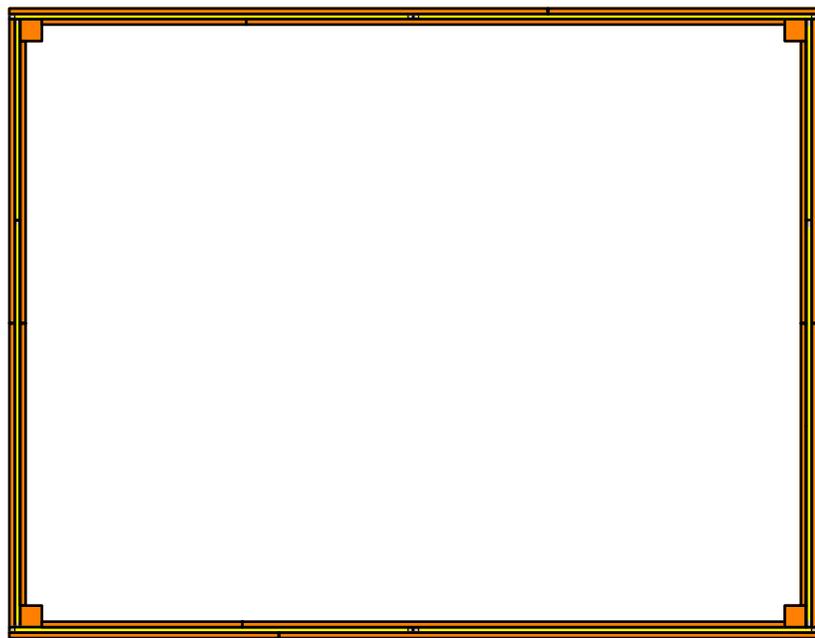
Formwork Panels assembled with on both sides mounted (Sandwich)
Wooden Board (...use 4 x 40 mm galv. Chipboard Screws)

DESIGNATION: **DIY Animal Shelter**
Ground Plan and Walls

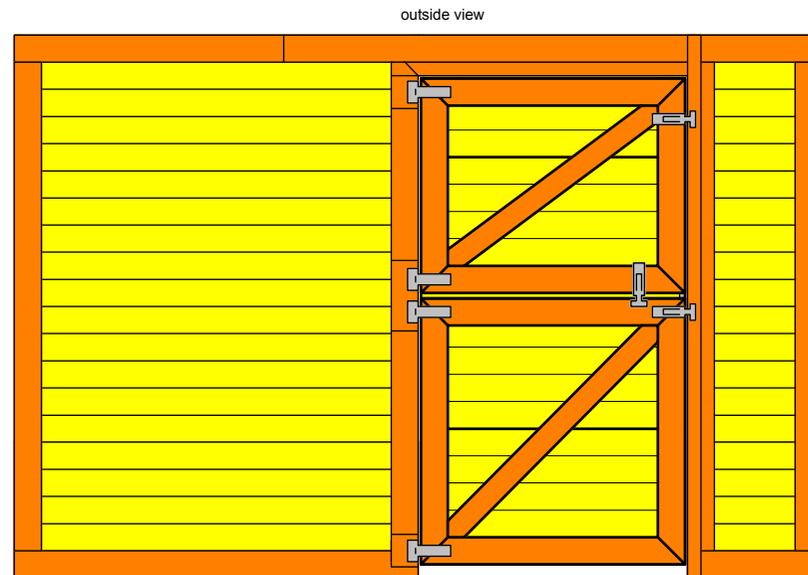
DWG #: e110501-010A

DATE: 17-Jan-2021

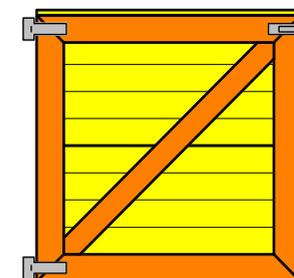
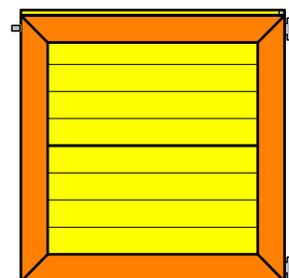
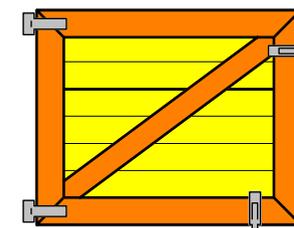
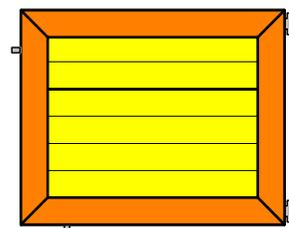
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top view



outside view



inside view

outside view

Formwork Panels assembled with on both sides mounted (Sandwich
Wooden Board (...use 4 x 40 mm galv. Chipboard Screws)

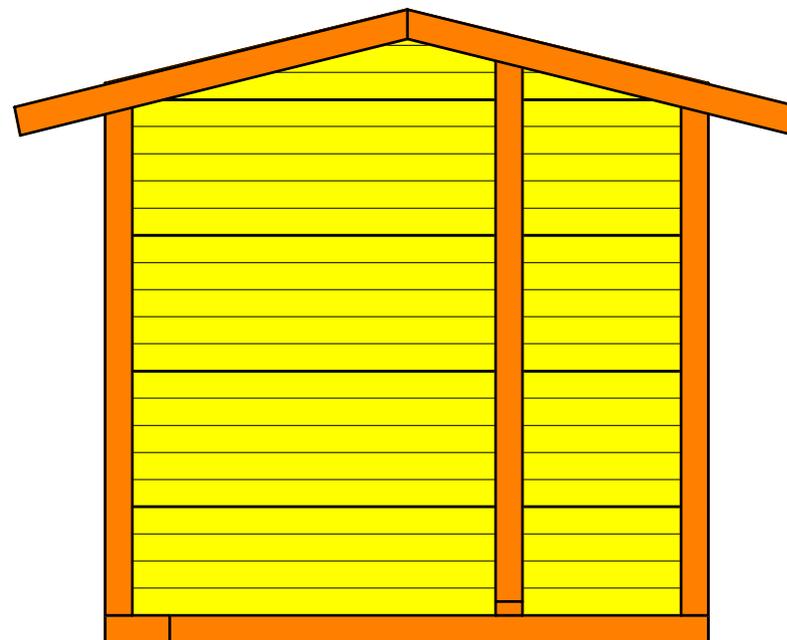
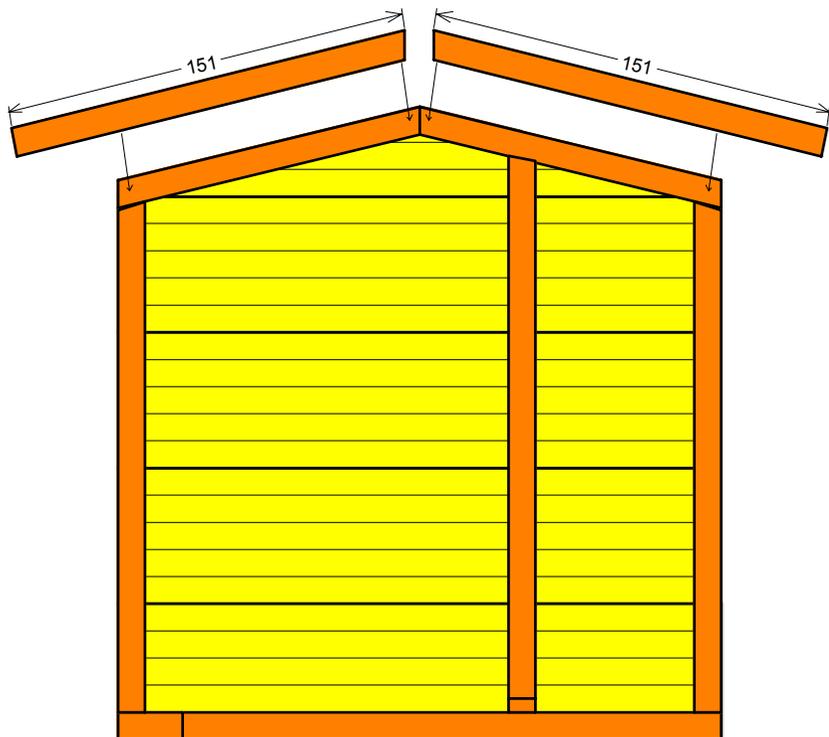
DESIGNATION: **DIY Animal Shelter**
Ground Plan and Front Side with Door

DWG #: **e110501-011A**

DATE: **17-Jan-2021**

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...mount with 4 x 55 mm galv. Chipboard Screws



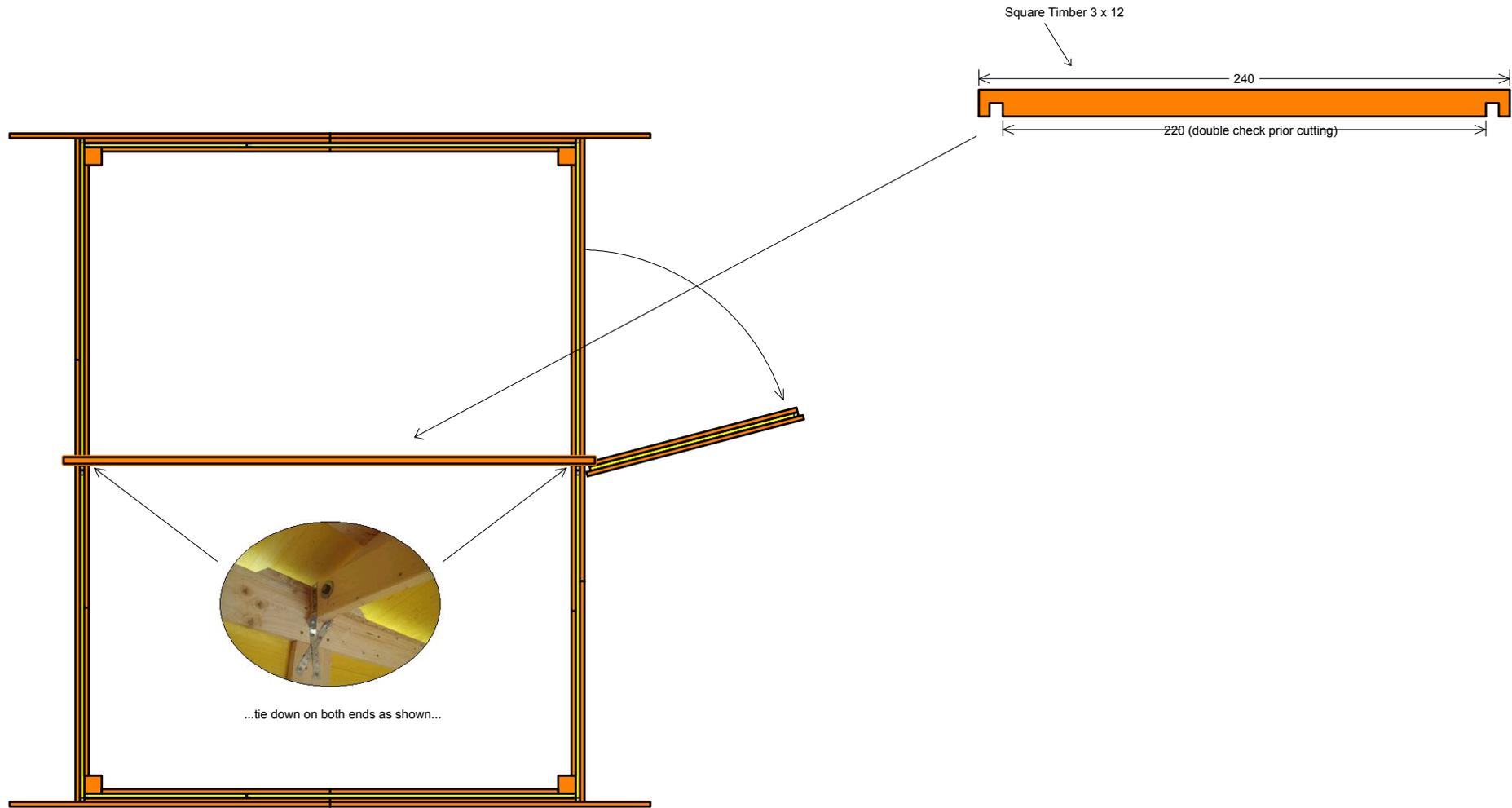
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DESIGNATION: **DIY Animal Shelter**
Roof Overhang

DWG #: e110501-012A

DATE: 17-Jan-2021

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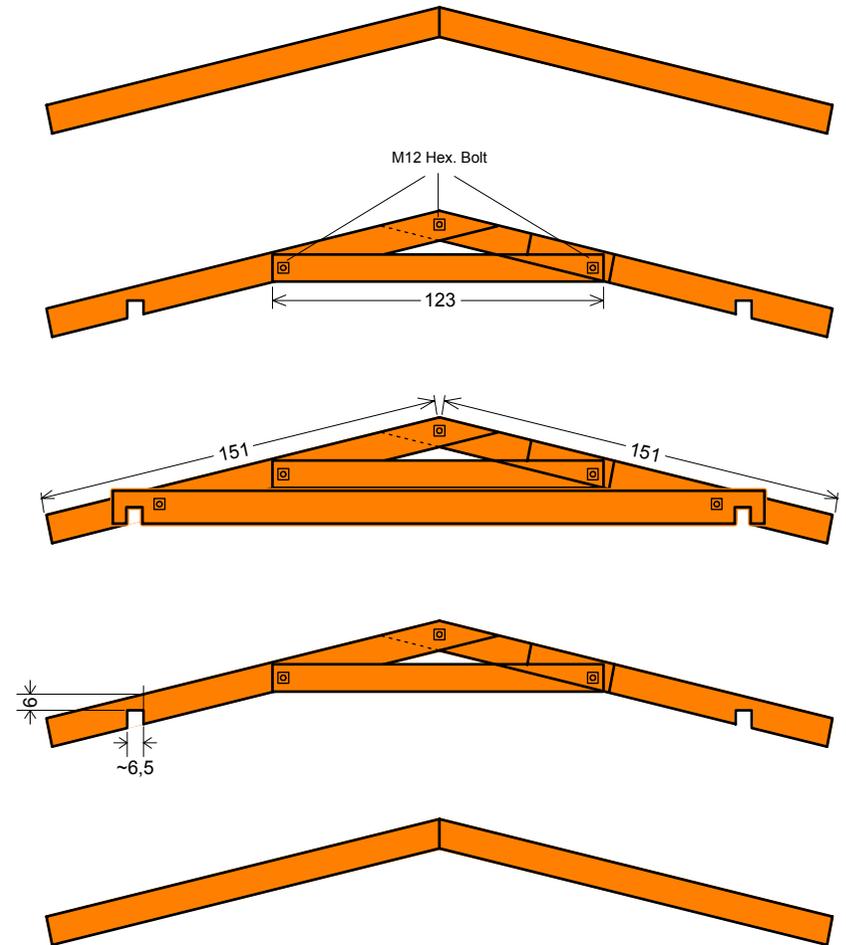
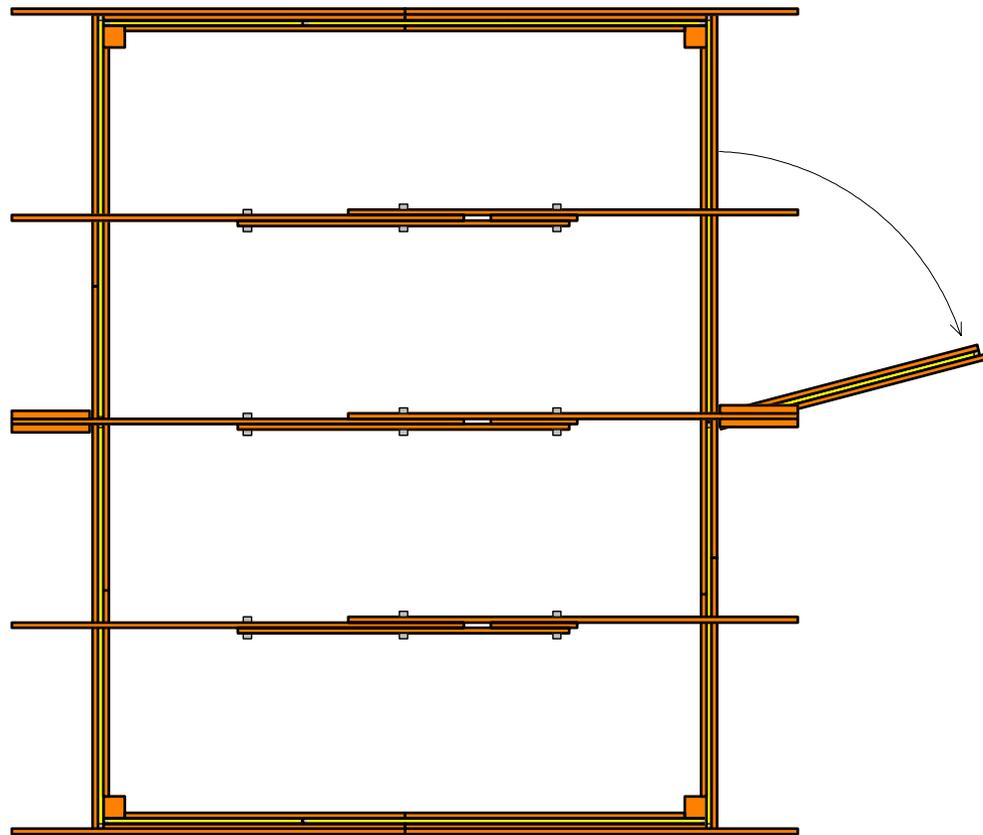
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DESIGNATION: **DIY Animal Shelter**
Ground Plan and Center Stabilization

DWG #: e110501-013A

DATE: 17-Jan-2021

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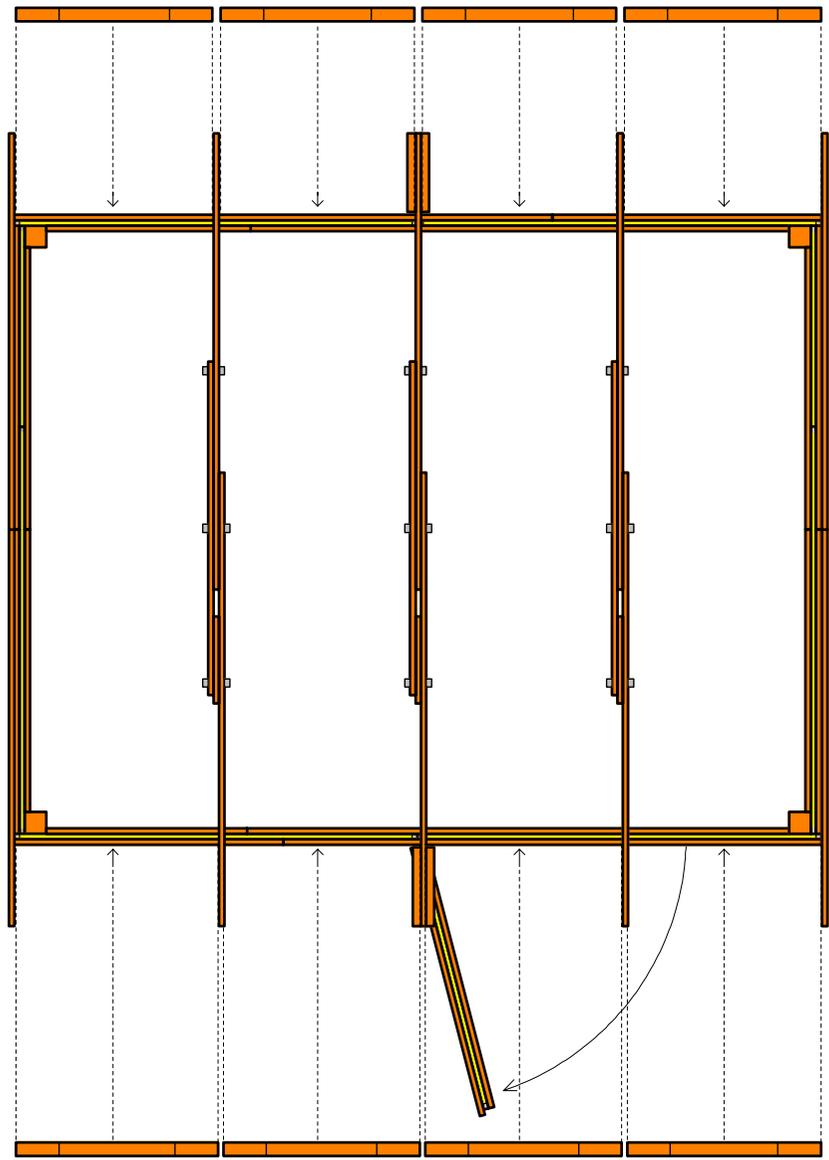
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DESIGNATION: **DIY Animal Shelter**
Ground Plan with Roof Construction

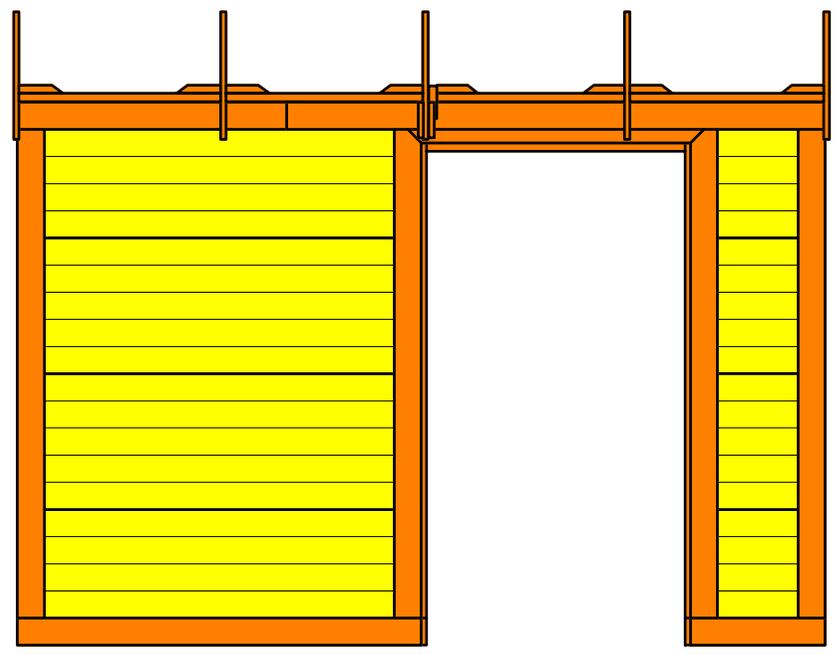
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DATE:
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Fabricate 8 distance pieces from 3 x 4 cm roof battens, as shown, and mount them with 4 x 55 mm galv. chipboard screws between the roof rafters on top of the wall



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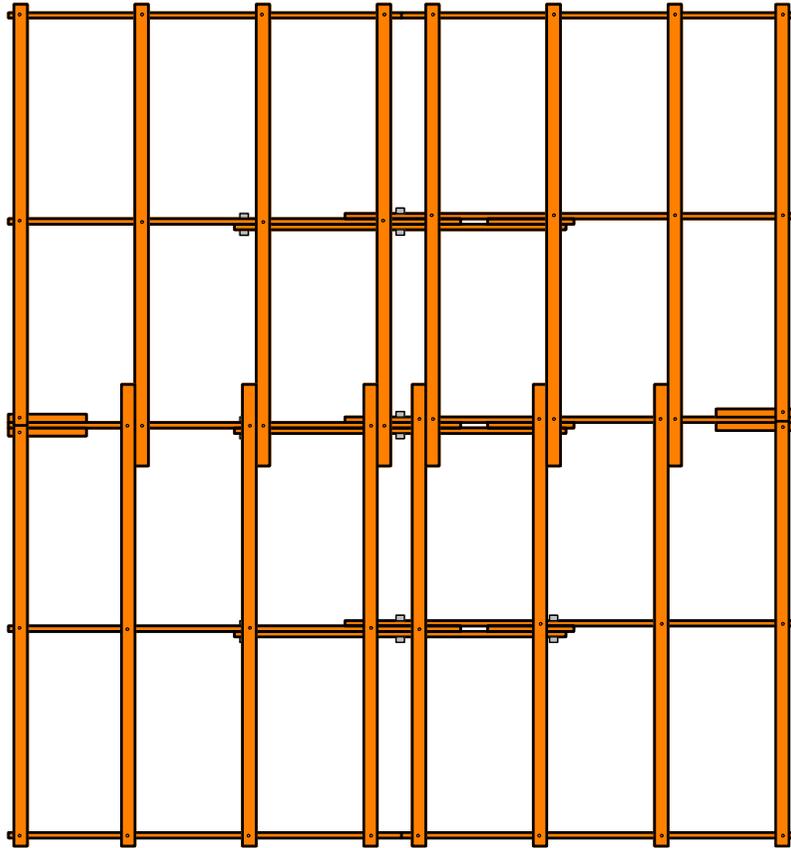
DESIGNATION: **DIY Animal Shelter**
Ground Plan with Roof Construction

DWG #: e110501-015A

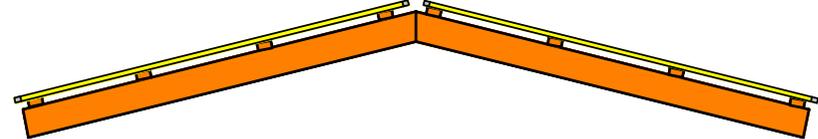
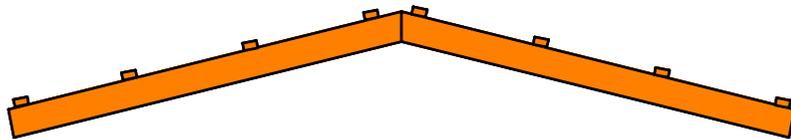
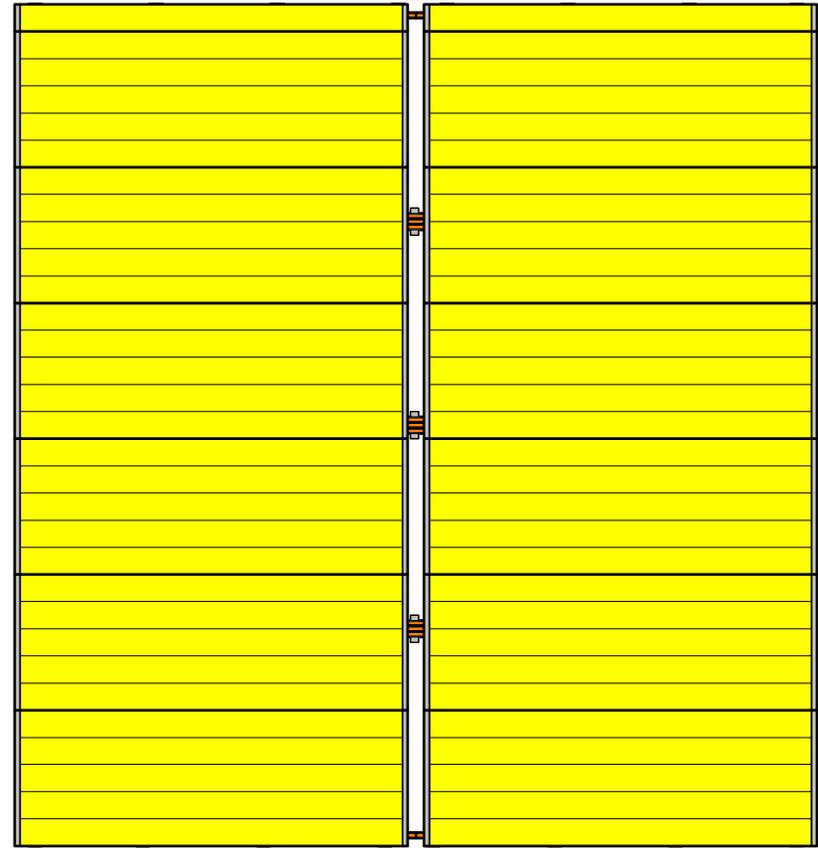
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tie down 3 x 4 roof battens with 4 x 55 mm chipboard screws...



mount formwork panels with each 12 pcs 4 x 40 mm galv. chipboard screws on top of the roof battens

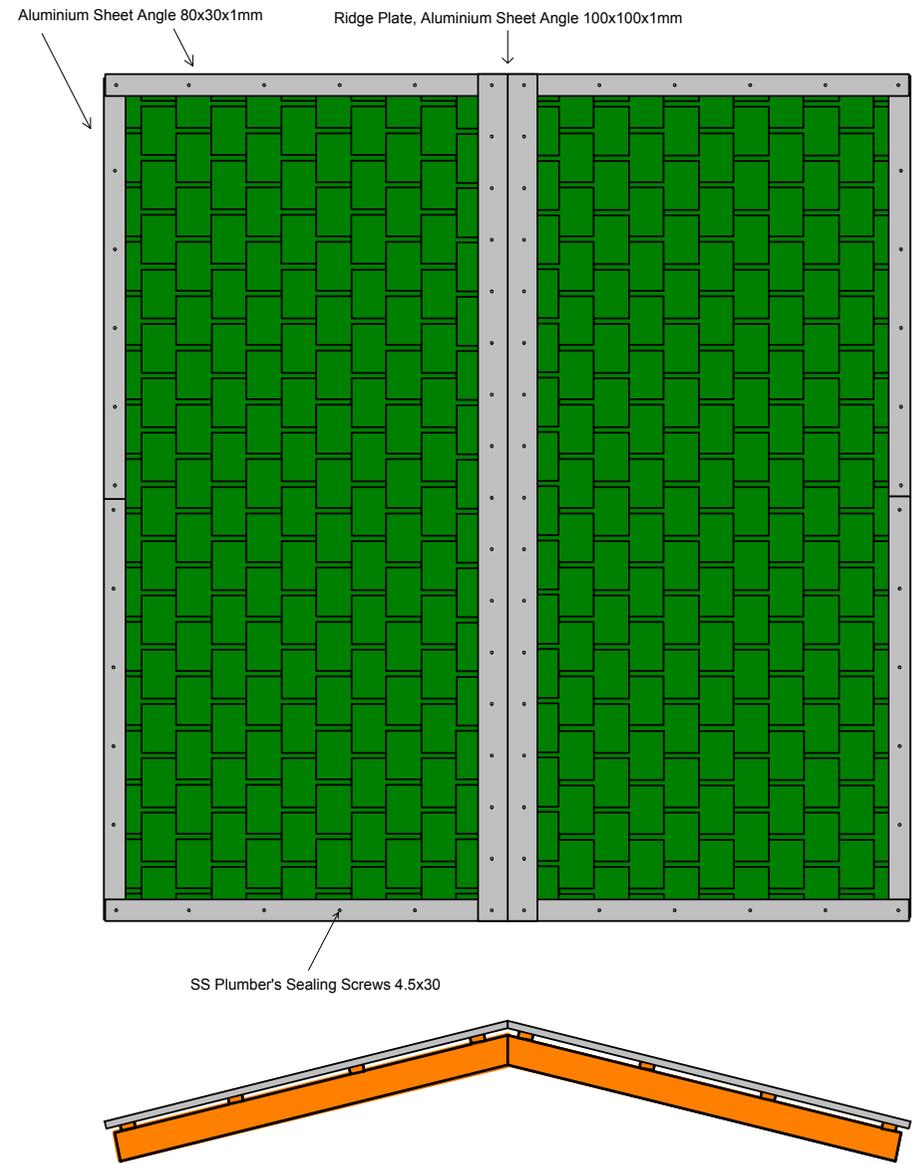
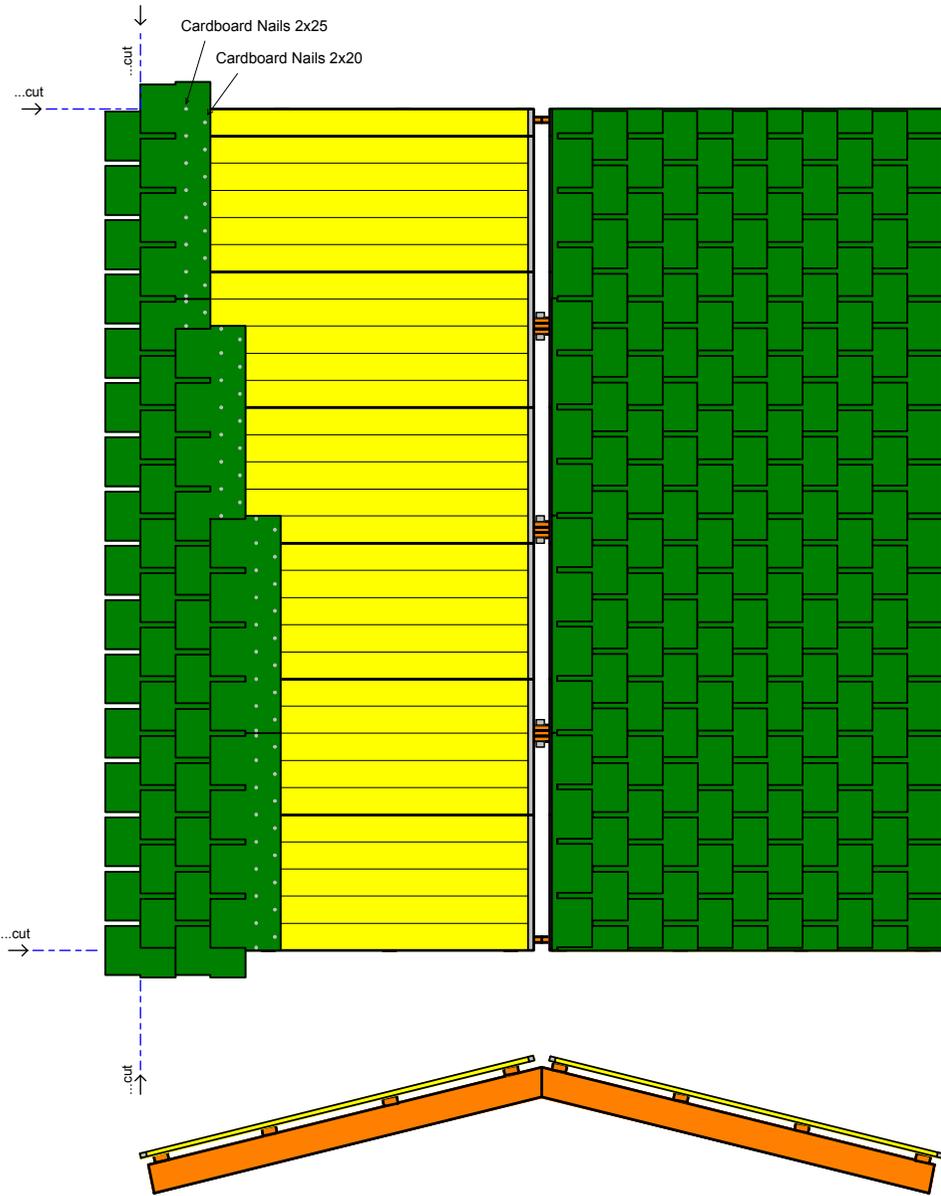


DESIGNATION: **DYI Animal Shelter**
Assembling - roof construction

DWG #:
e110501-016A

DATE:
17-Jan-2021

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DESIGNATION: **DYI Animal Shelter**
Installing Bitumen Roof Shingles and Aluminium Sheet Angles

DWG #:
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DATE:
17-Jun-2021

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DESIGNATION: **DIY Animal Shelter**

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