

2

1

B

B

At layer 8, switch to
thinner timberlock
screws and offset
to avoid screw
collisions

"Layer" refers to
a group of 4
beams

6x6 beams
used on
bottom layers

A

A

Overview

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SCALE: 1:50 7/31/2024 SHEET 1 OF 20

1

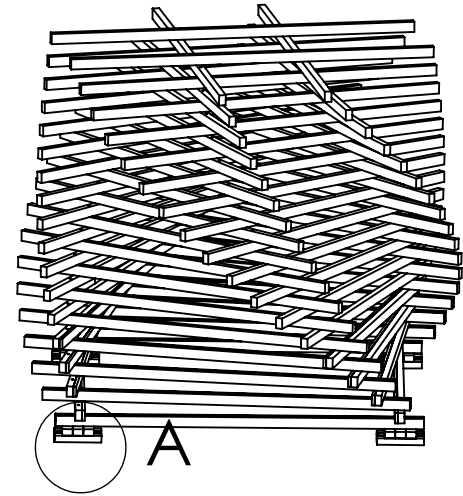
2

1

B

B

10" Lag to Foot,
watch for collision
with timber lock in
base



A

Align beam edge to
the outside edge of
the foot

6x6 used for bottom layers

18" Lag to Ground

18" Lag to Ground

A

A

DETAIL A

Foot Placement

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SCALE: 1:10 7/31/2024 SHEET 2 OF 20

2

1

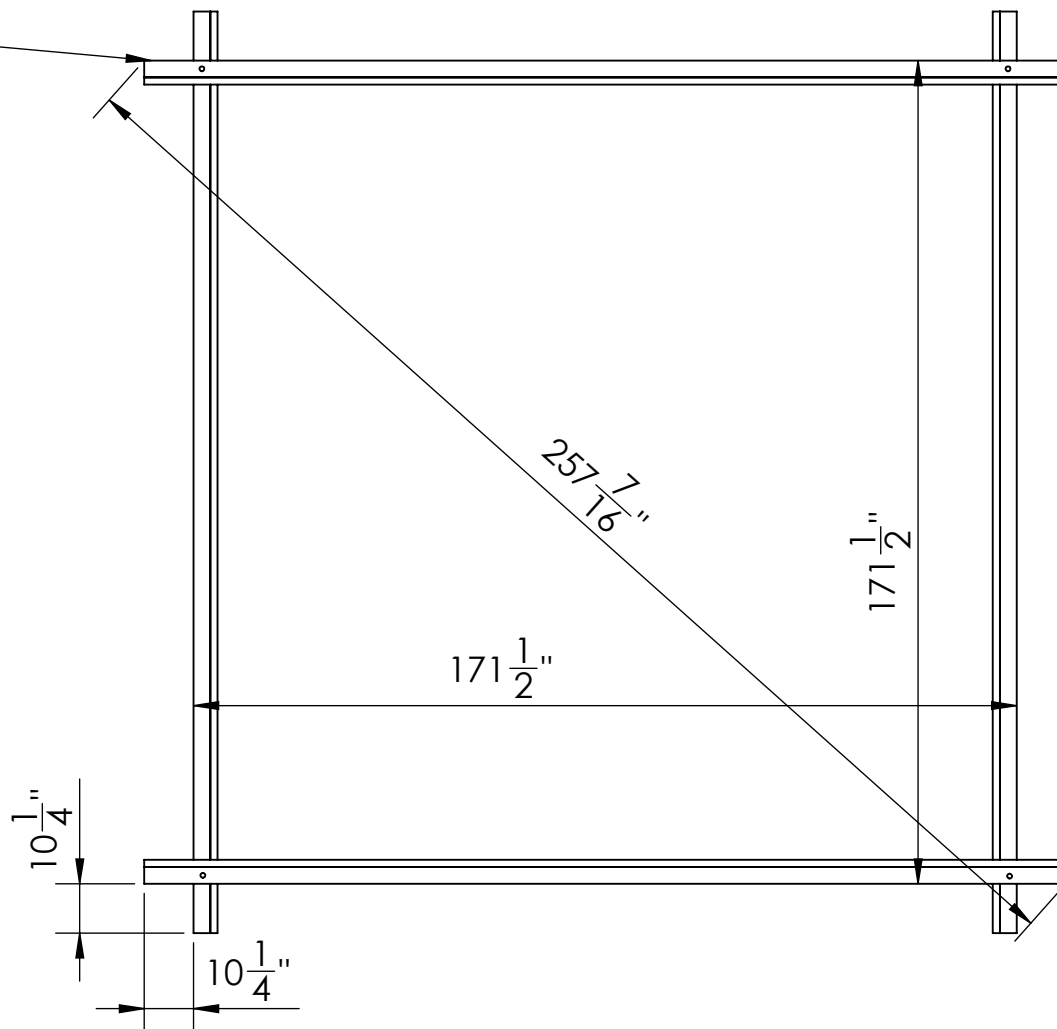
2

1

Measure
from outside
corners to
check if
square

B

B



A

A

6x6 Beams for bottom layers
Connect with 10" Lag Bolts

Layer 1

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SCALE: 1:40

7/31/2024

SHEET 3 OF 20

2

1




2

1

B

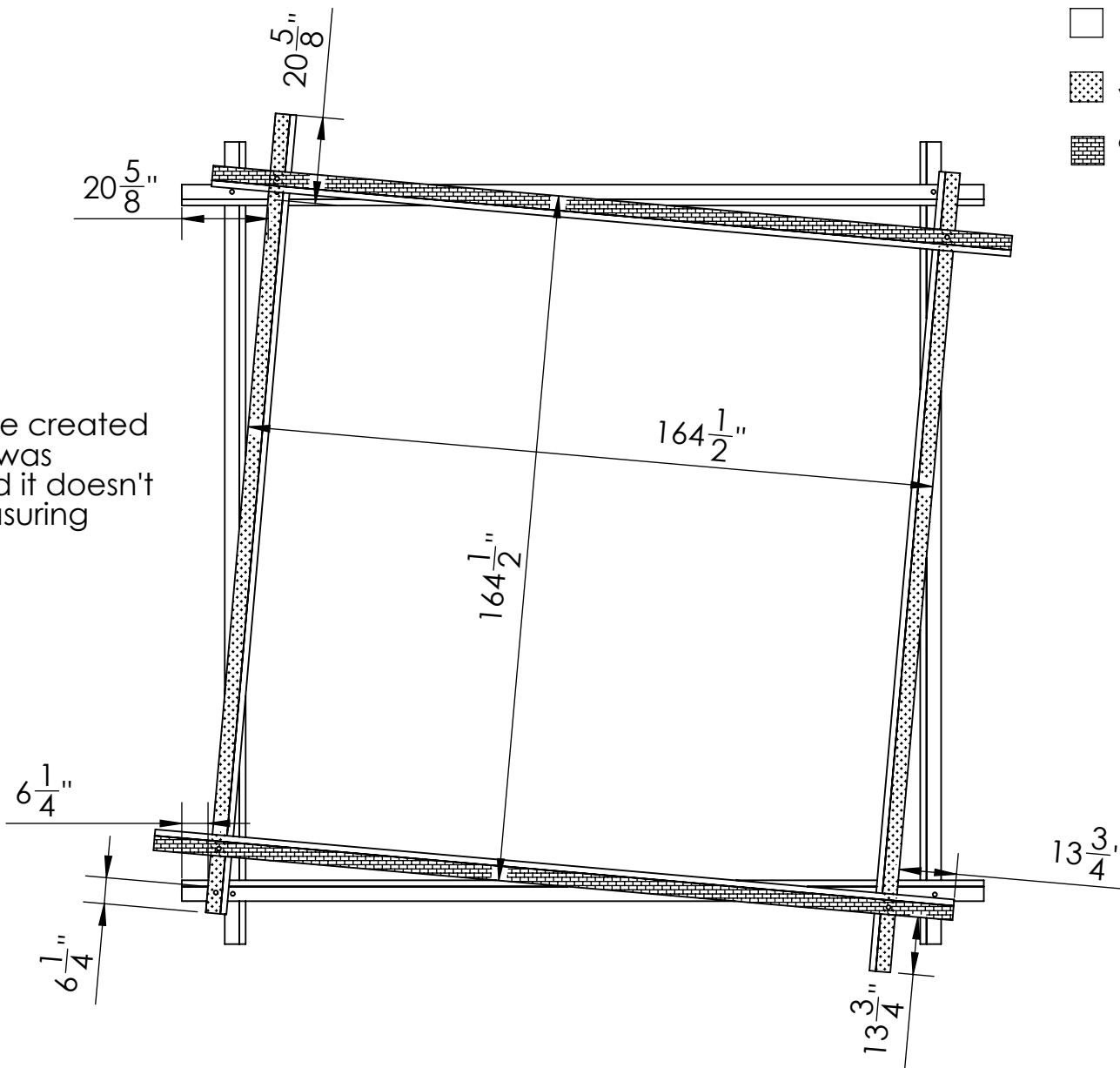
B

Dimensions were created
before the 2x6 was
added, pretend it doesn't
exist when measuring

-  Previous Layer
-  5° Set (Lower)
-  90° Set (Upper)

A

A



6x6 Beams for bottom layers
Connect with 10" Lag Bolts

Layer 2 on 1

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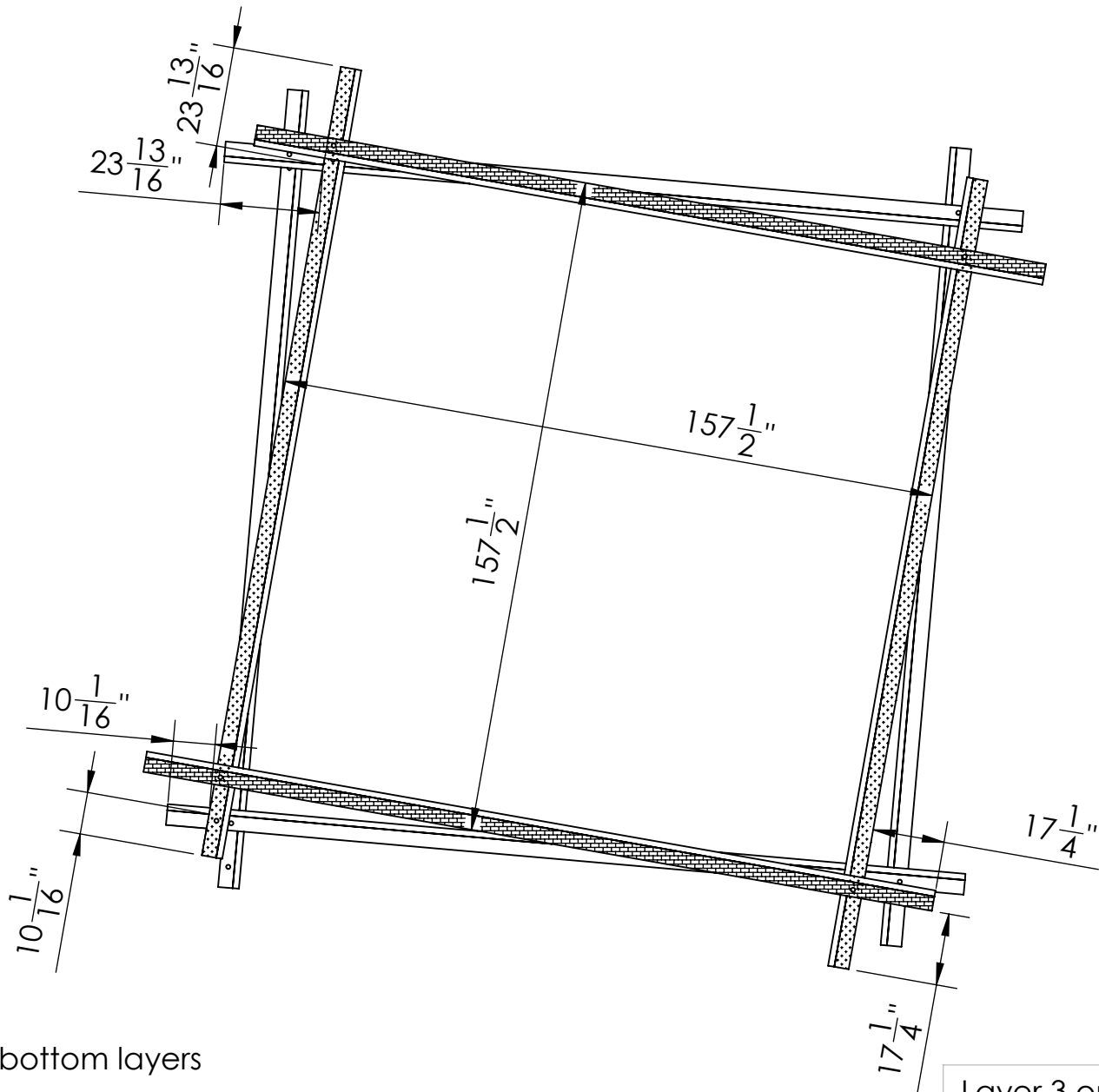
SCALE: 1:40 7/31/2024 SHEET 4 OF 20

2

1

B

A



6x6 Beams for bottom layers
Connect with 10" Lag Bolts

Layer 3 on 2

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SCALE: 1:40 7/31/2024 SHEET 5 OF 20

2

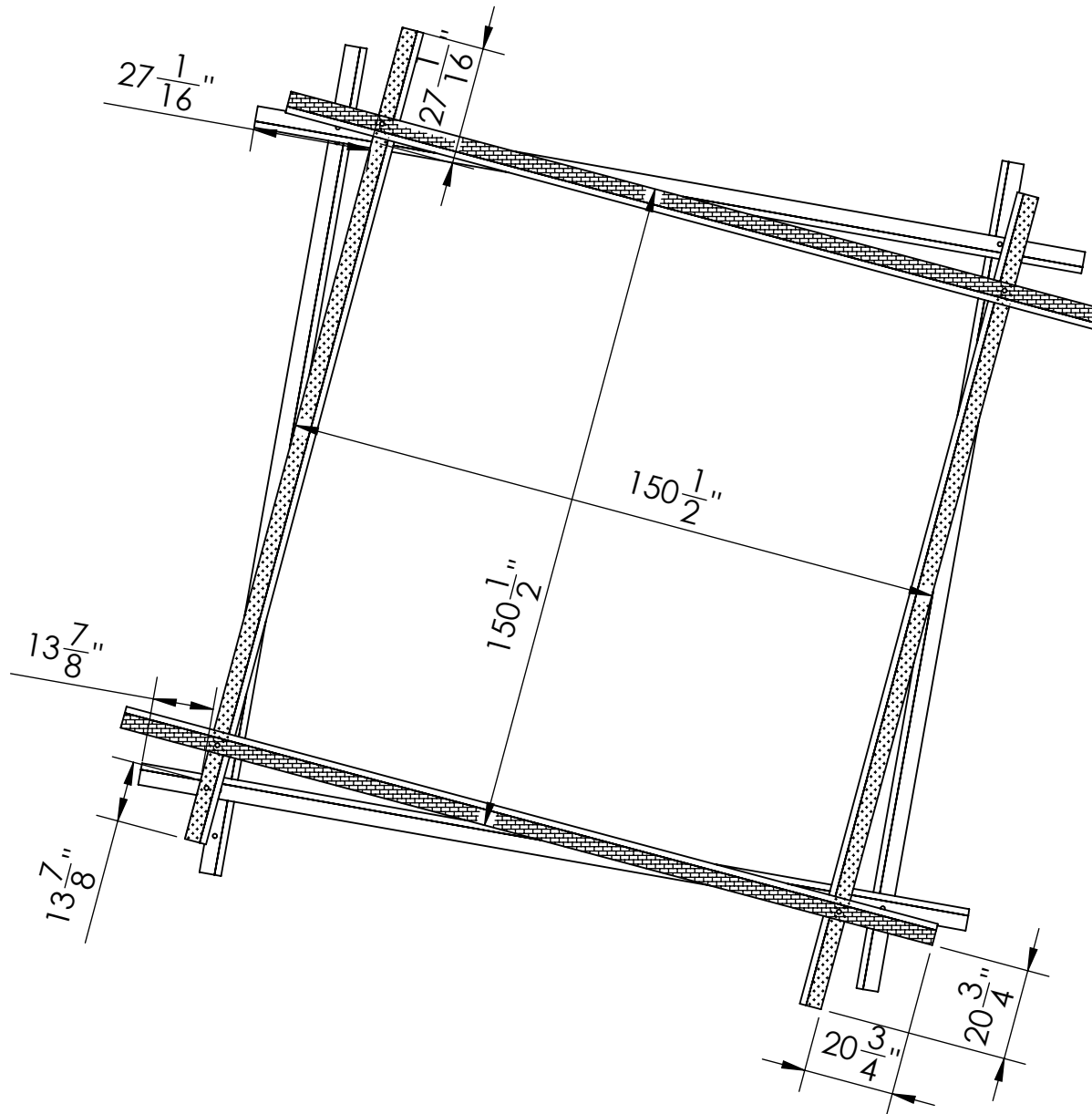
1

B

B

A

A



6x6 Beams for bottom layers
Connect with 10" Lag Bolts

Layer 4 on 3

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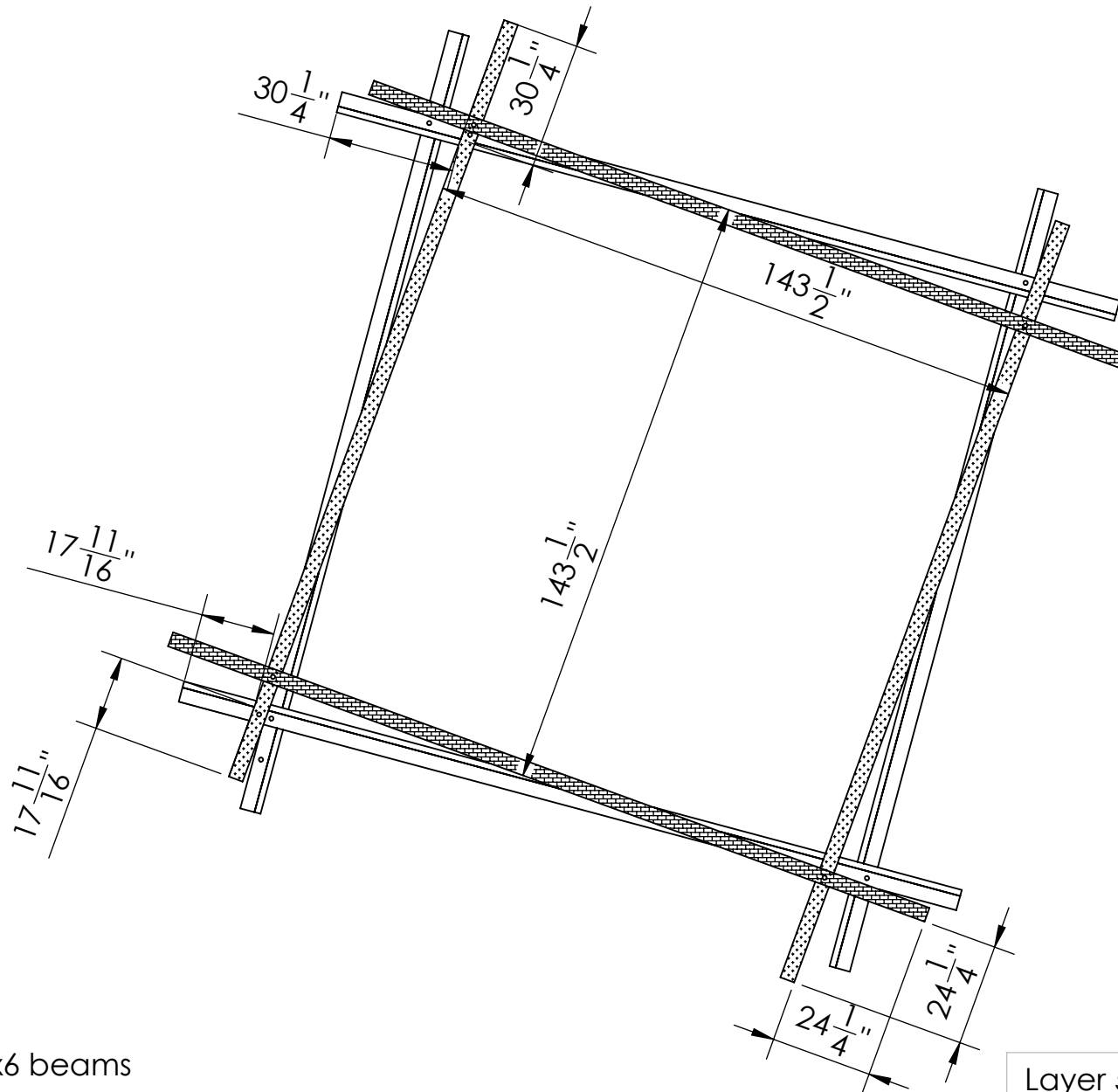
SCALE: 1:40 7/31/2024 SHEET 6 OF 20

2

1

B

A



Switch to 4x6 beams
Connect with 10" Lag Bolts

Layer 5 on 4

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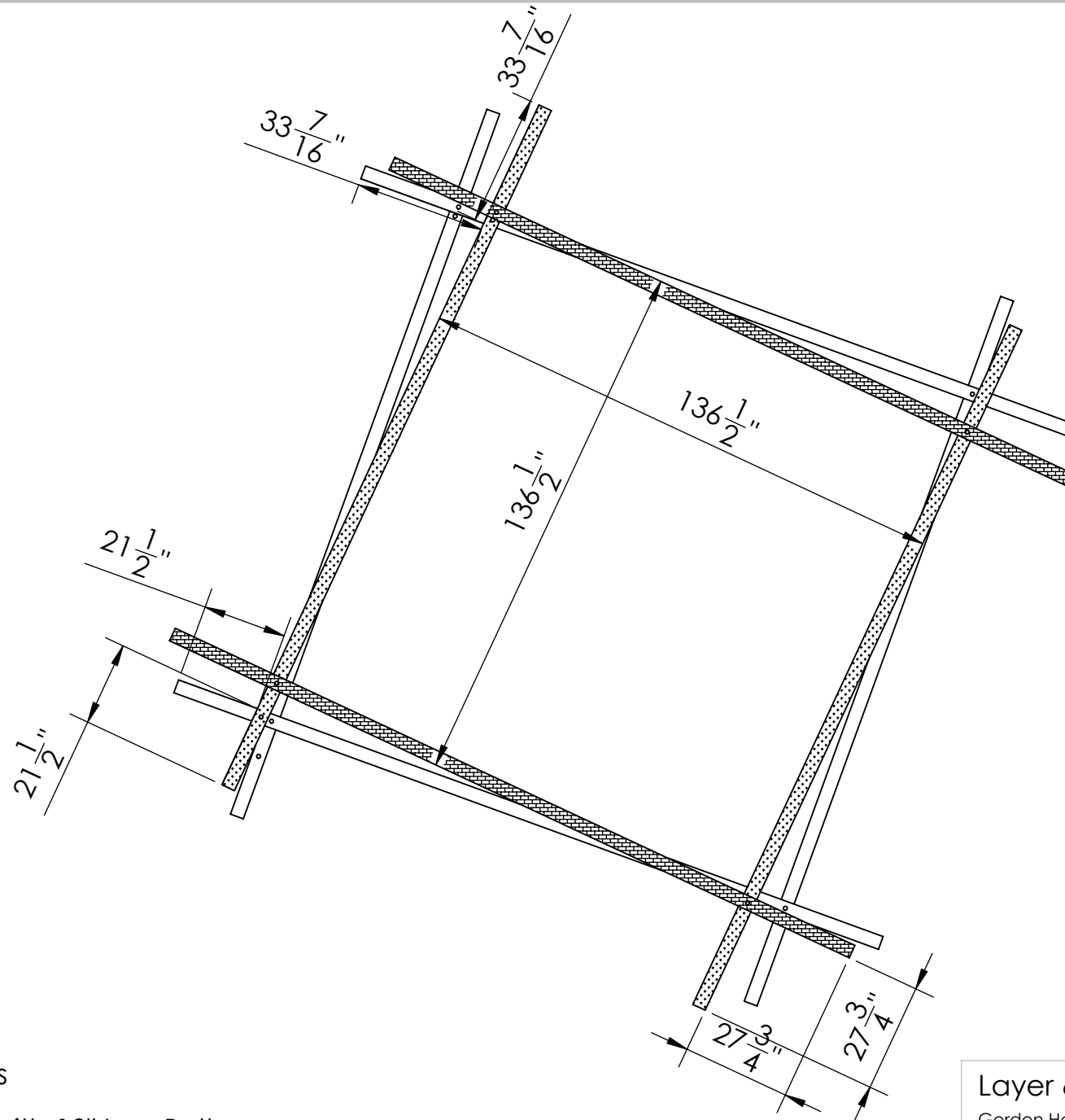
SCALE: 1:40 7/31/2024 SHEET 7 OF 20

B

B

A

A



4x6 beams

Connect with 10" Lag Bolts

Layer 6 on 5

Gordon Hoople

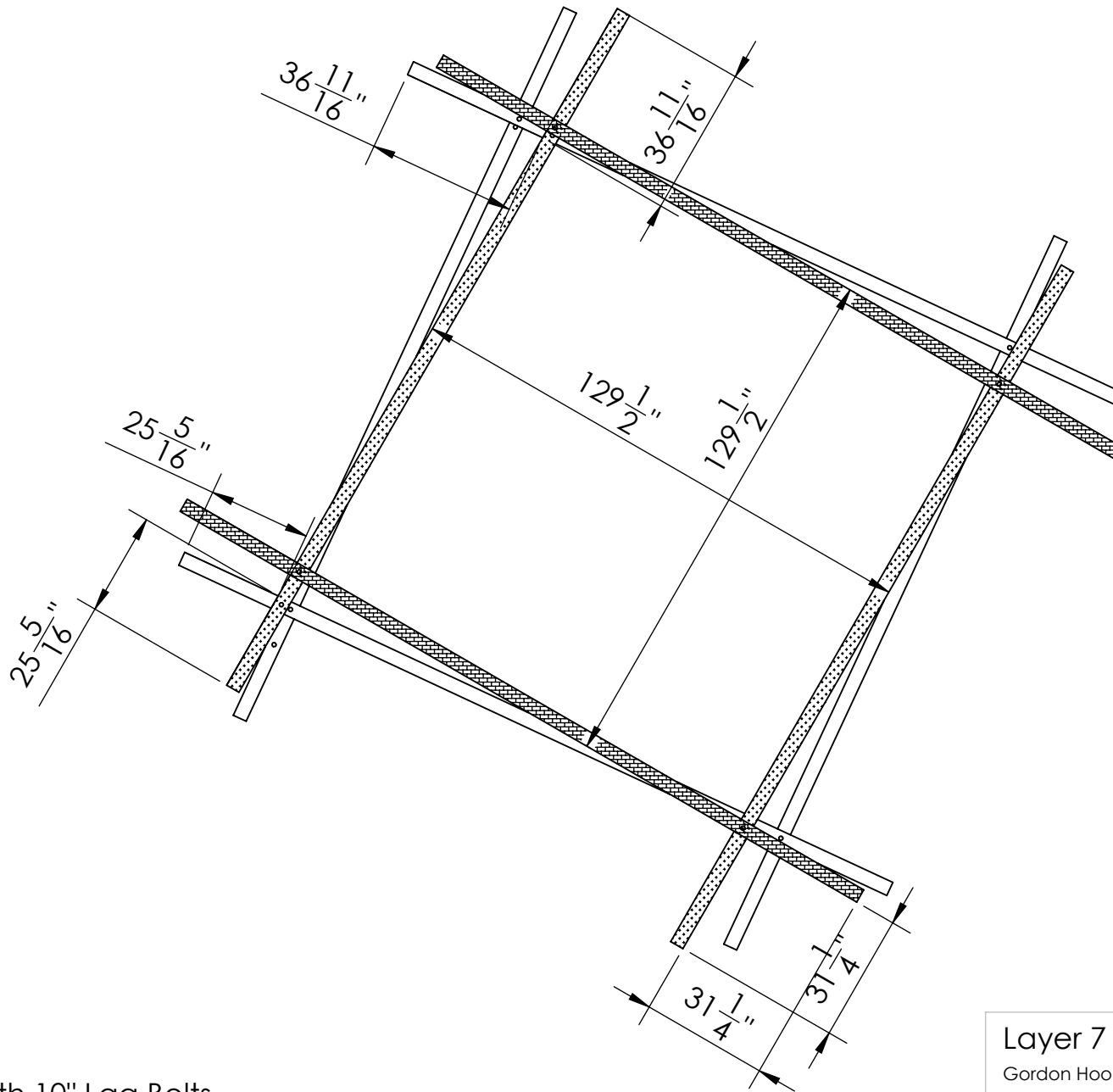
SCALE: 1:40 7/31/2024 SHEET 8 OF 20

B

B

A

A



4x6 beams

Connect with 10" Lag Bolts

Layer 7 on 6

Gordon Hoople

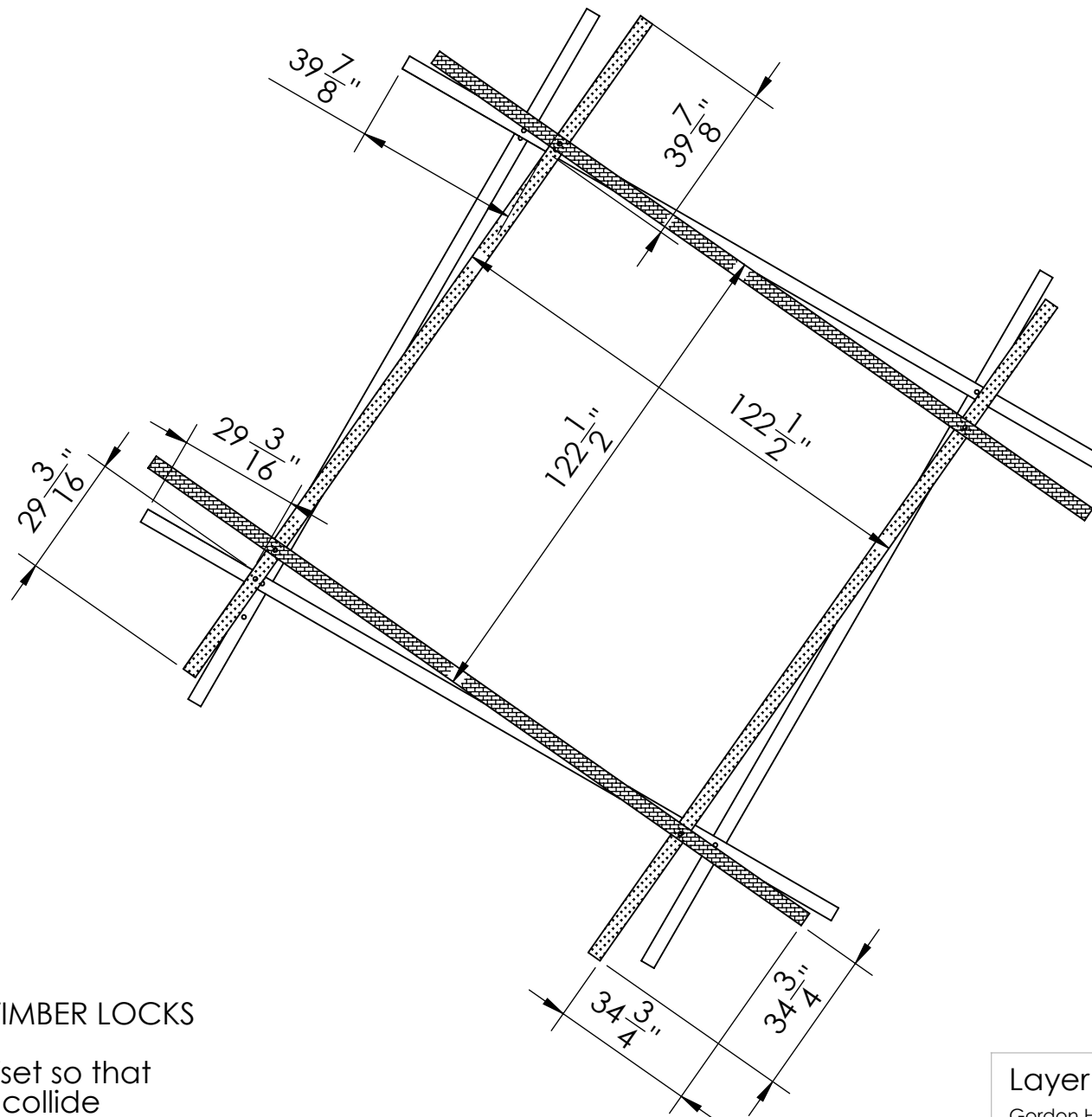
SCALE: 1:40 7/31/2024 SHEET 9 OF 20

B

B

A

A



SWITCH TO TIMBER LOCKS

Carefully offset so that
they do not collide
between layers

Layer 8 on 7

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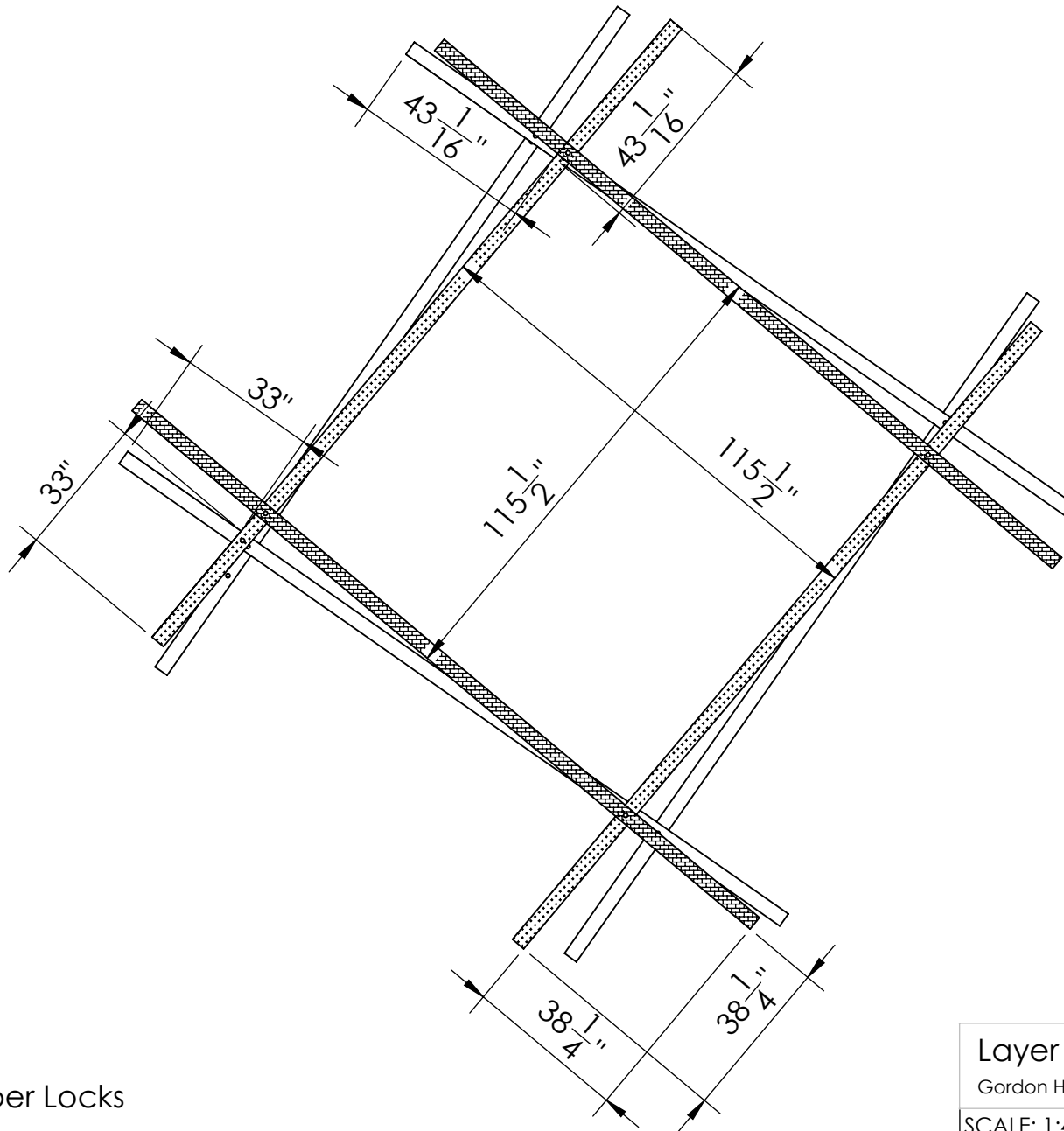
SCALE: 1:40 7/31/2024 SHEET 10 OF 20

B

B

A

A



Fasten with Timber Locks

Layer 9 on 8

Gordon Hoople

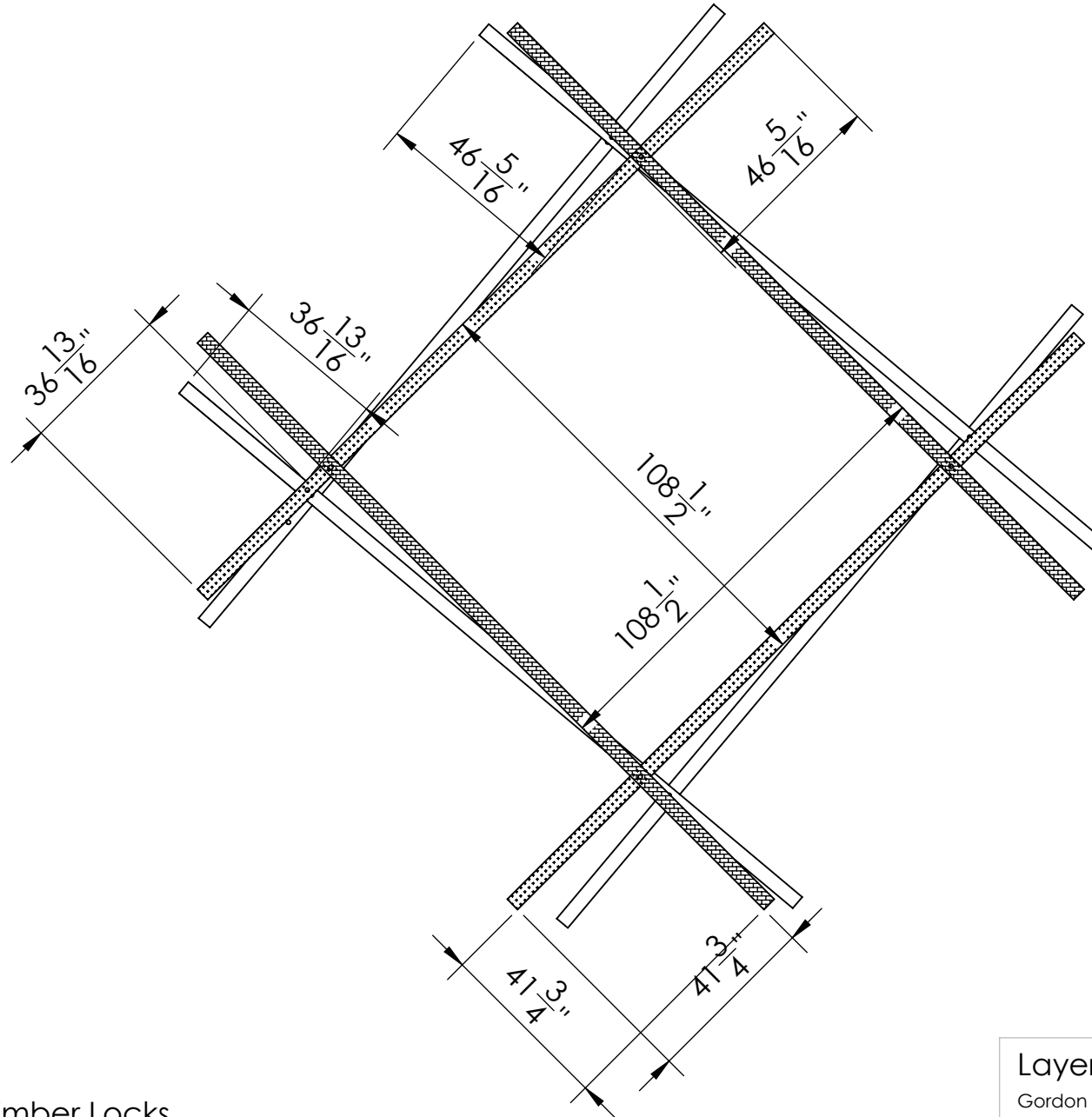
SCALE: 1:40 7/31/2024 SHEET 11 OF 20

B

B

A

A



Fasten with Timber Locks

Layer 10 on 9

Gordon Hoople

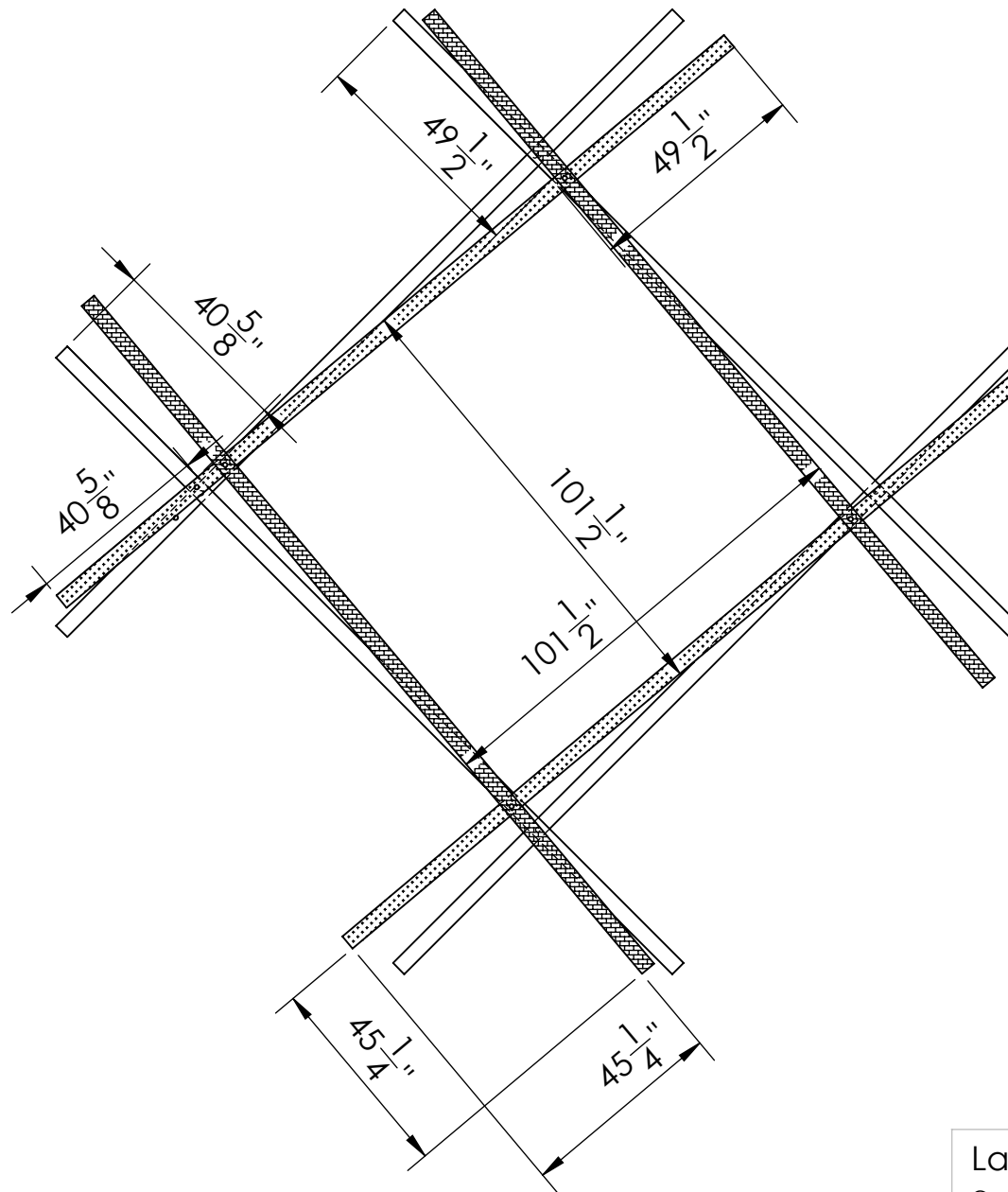
SCALE: 1:40 7/31/2024 SHEET 12 OF 20

B

B

A

A



Fasten with Timber Locks

Layer 11 on 10

Gordon Hoople

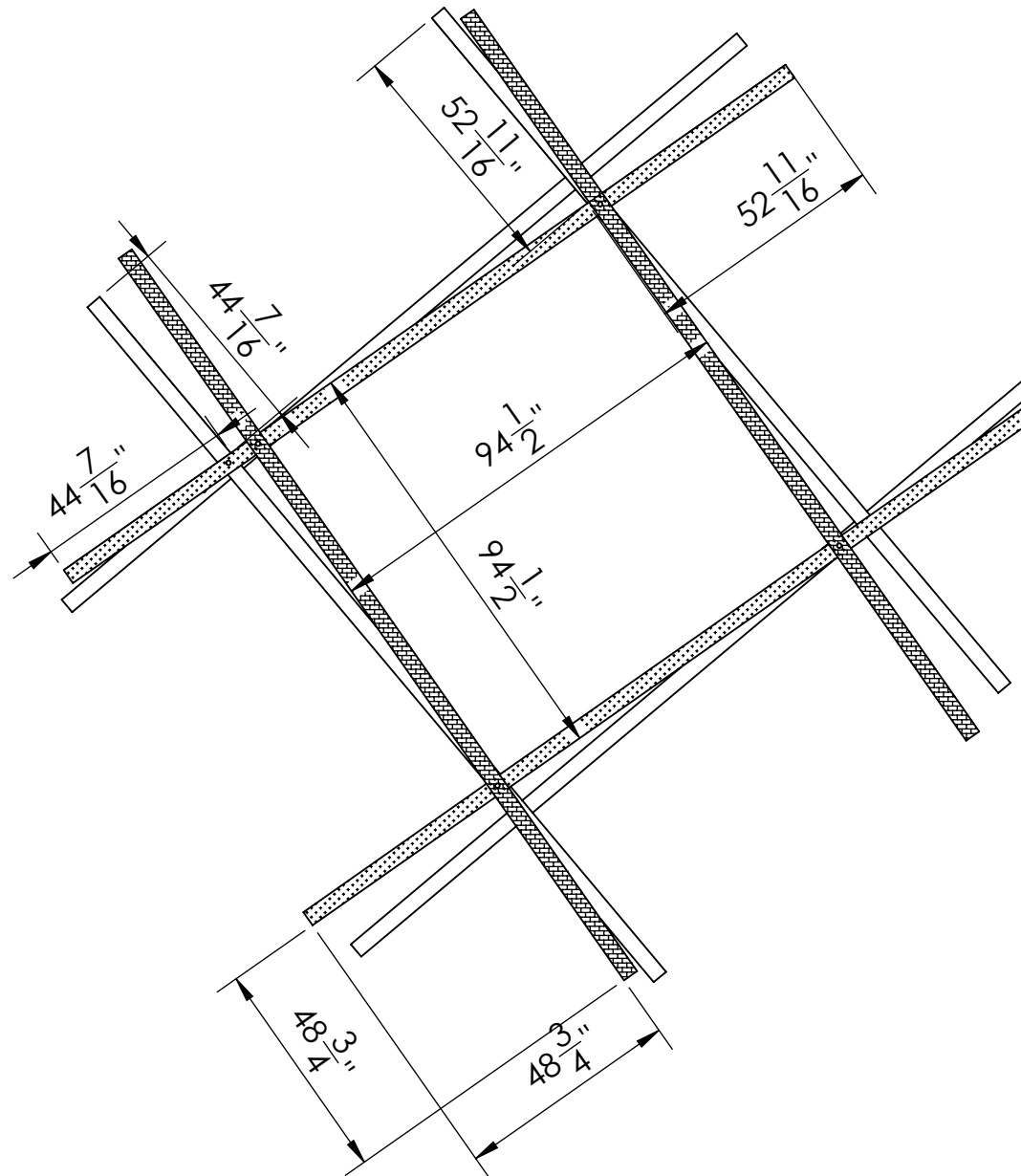
SCALE: 1:40 7/31/2024 SHEET 13 OF 20

2

1

B

B



Fasten with Timber Locks

Layer 12 on 11

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SCALE: 1:40 7/31/2024 SHEET 14 OF 20

2

1

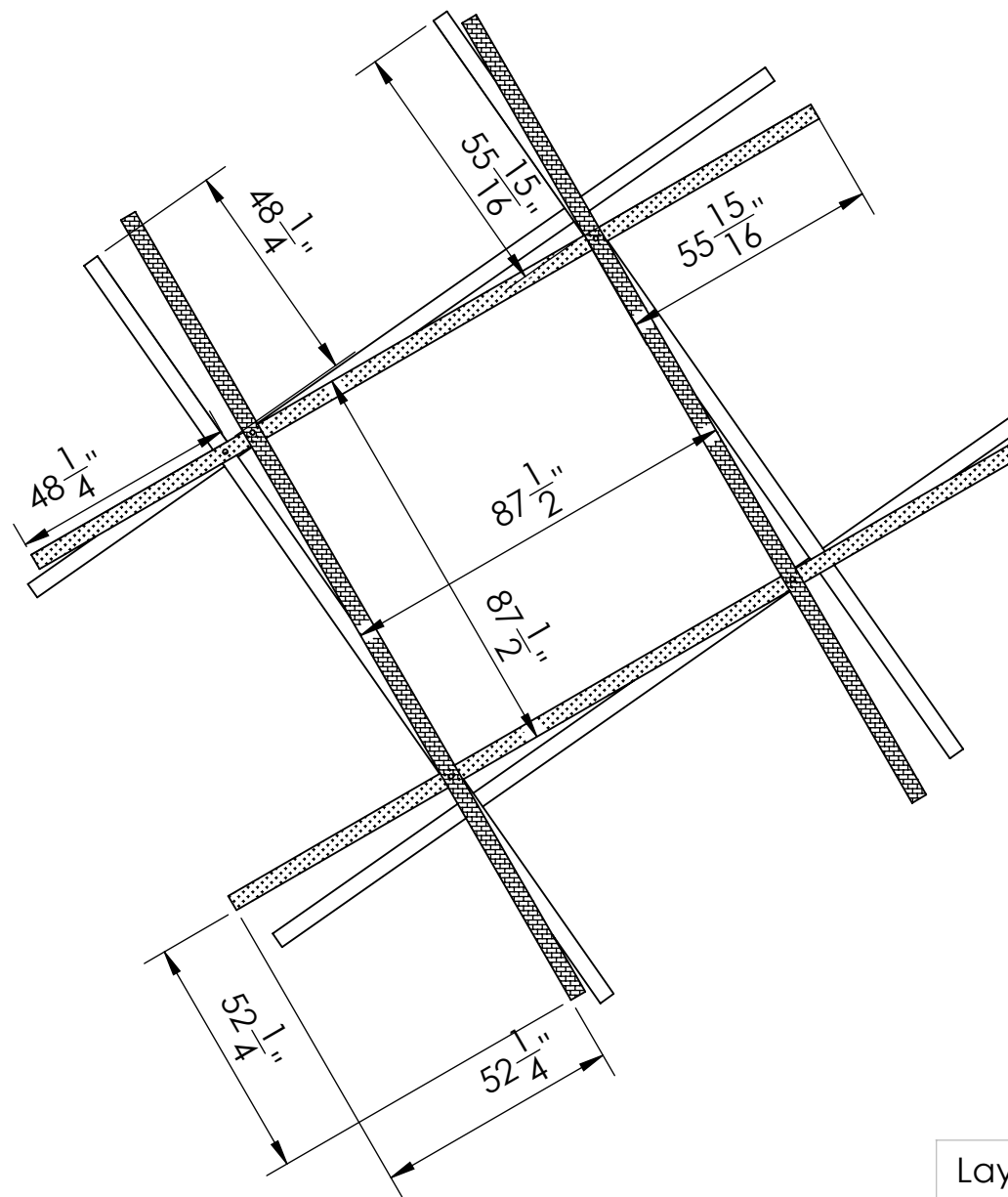
A

2

1

B

B



Fasten with Timber Locks

Layer 13 on 12

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SCALE: 1:40 7/31/2024 SHEET 15 OF 20

A

2

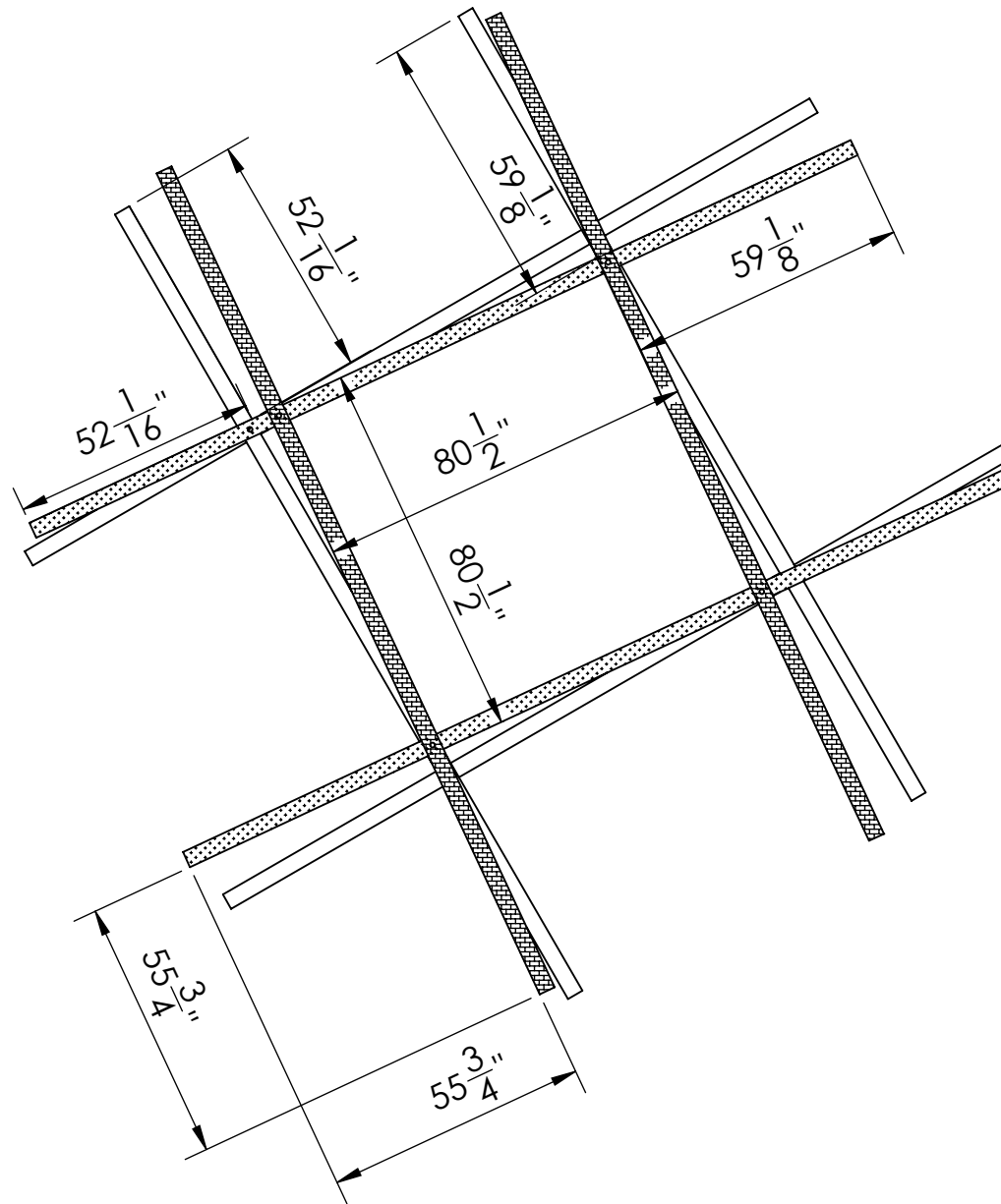
1

2

1

B

B



Fasten with Timber Locks

Layer 14 on 13

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SCALE: 1:40 7/31/2024 SHEET 16 OF 20

2

1

A

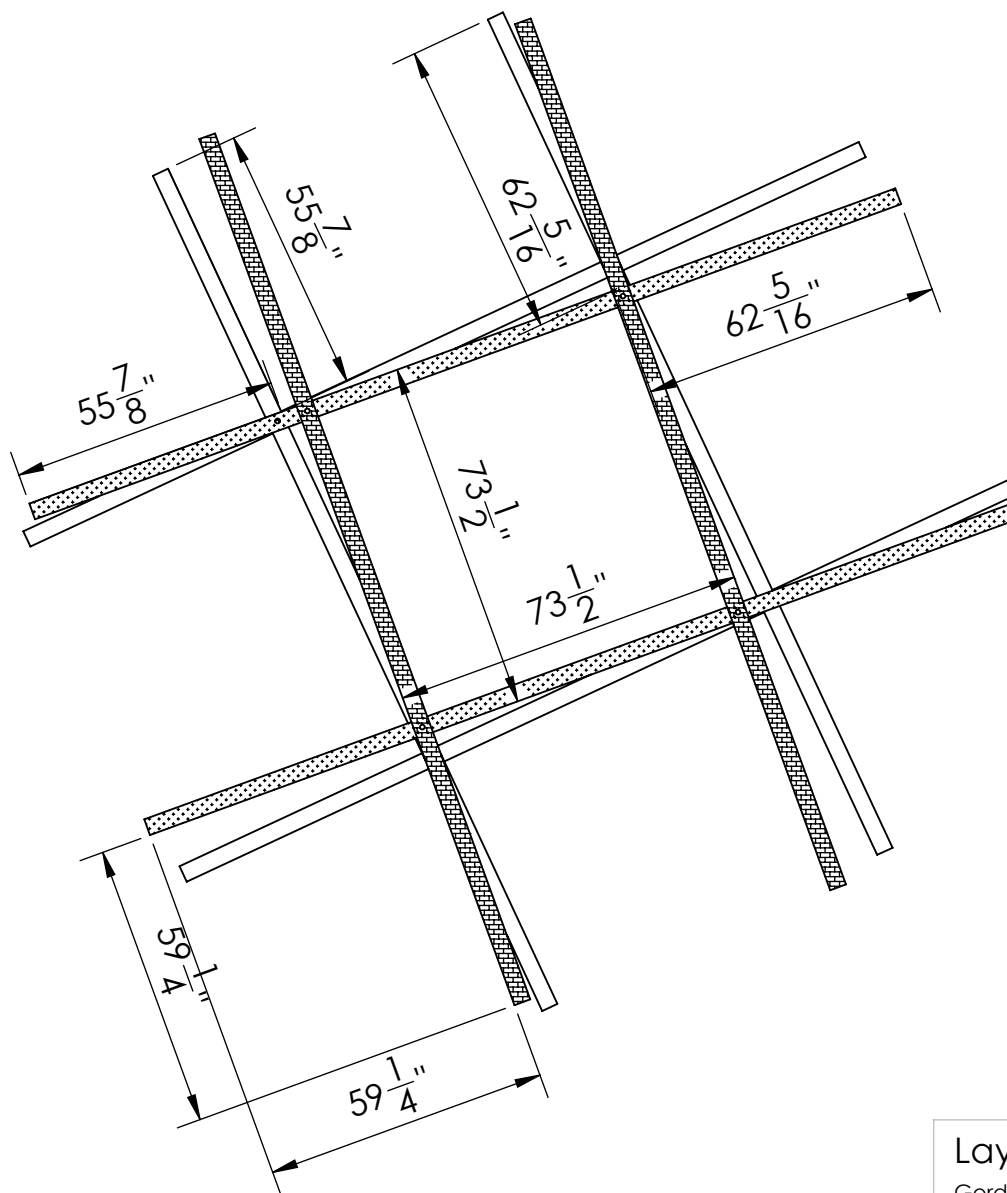
A

2

1

B

B



Fasten with Timber Locks

Layer 15 on 14

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SCALE: 1:40 7/31/2024 SHEET 17 OF 20

2

1

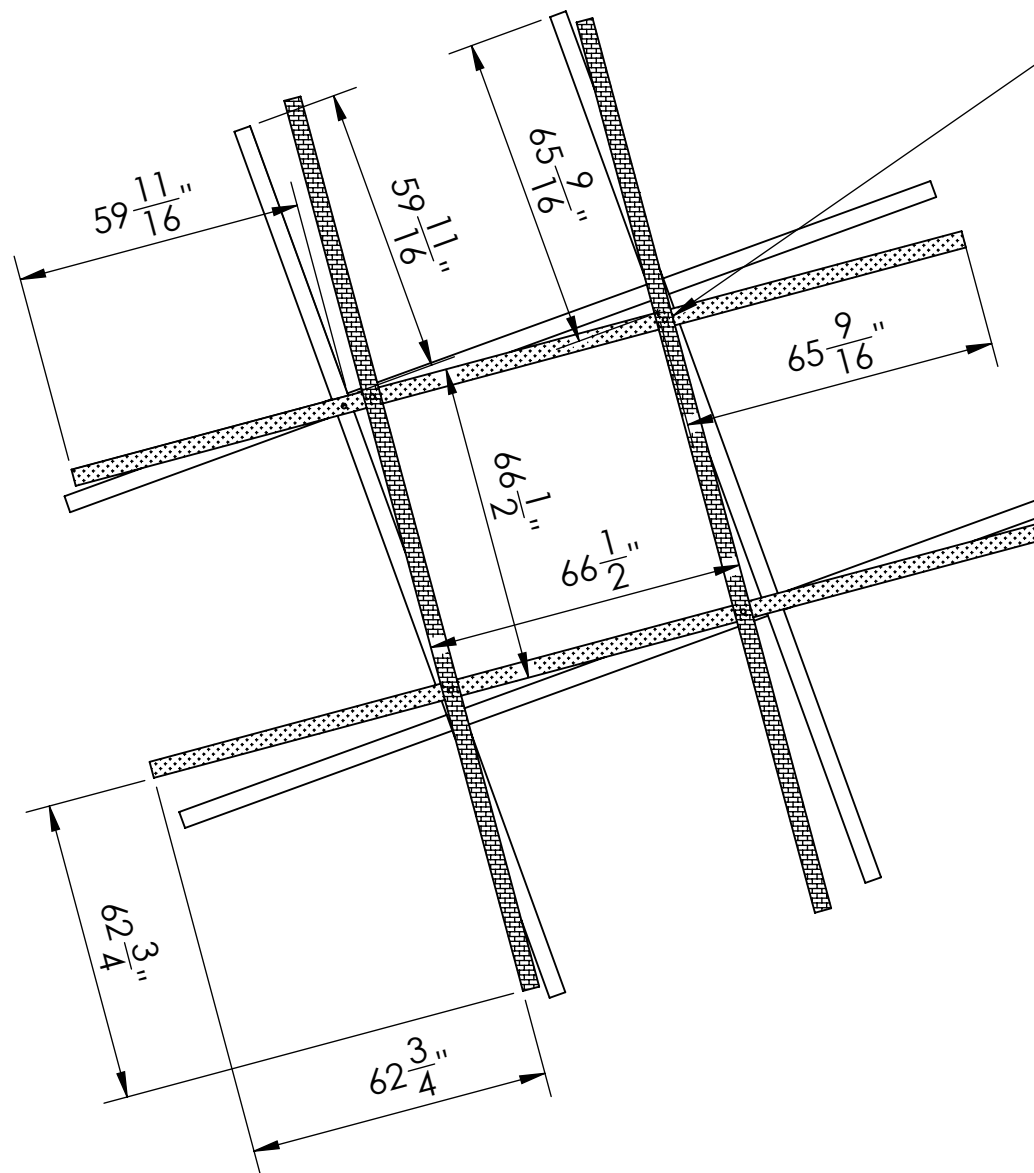
A

2

1

B

B



A

A

Fasten with Timber Locks

Layer 16 on 15

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SCALE: 1:40 7/31/2024 SHEET 18 OF 20

2

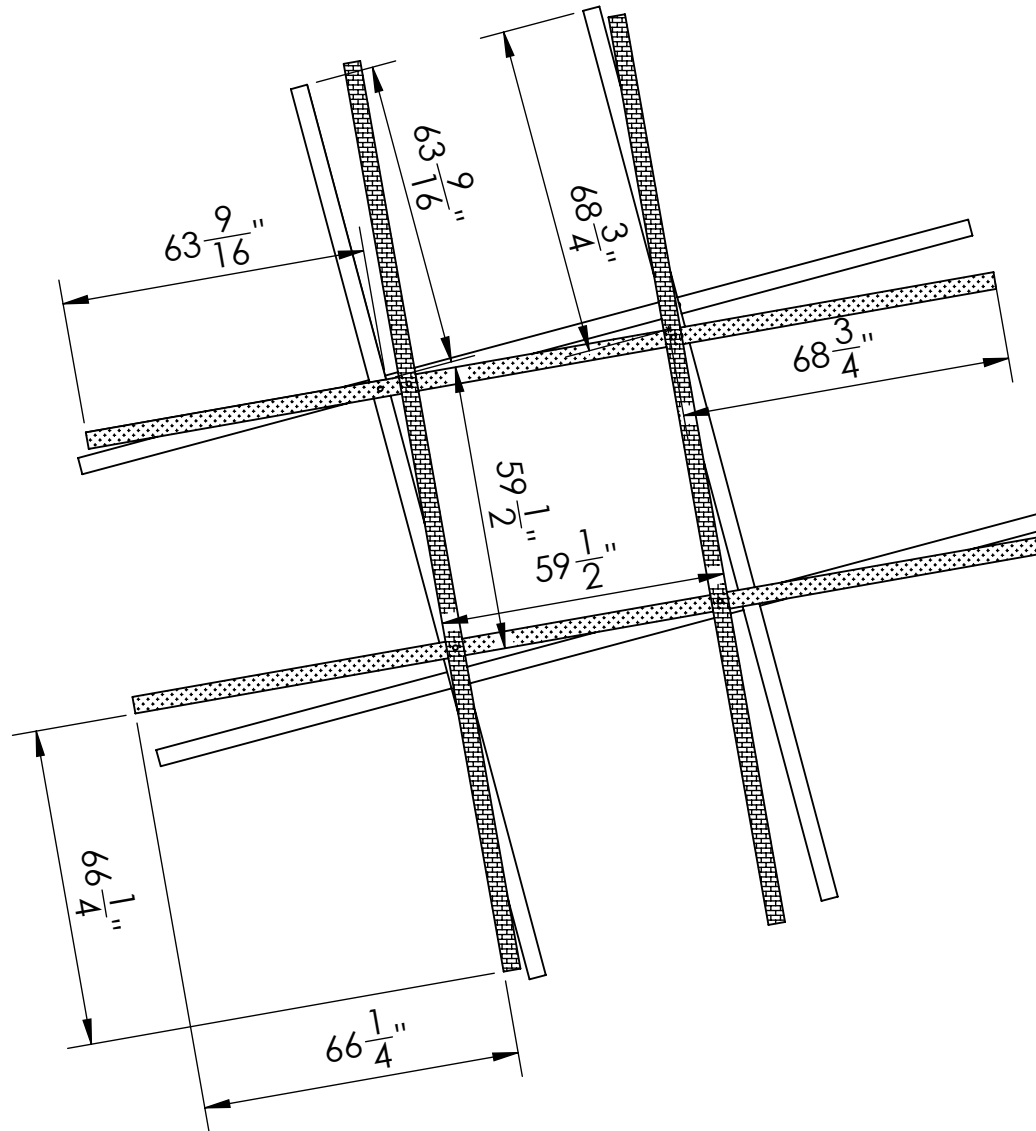
1

B

B

A

A



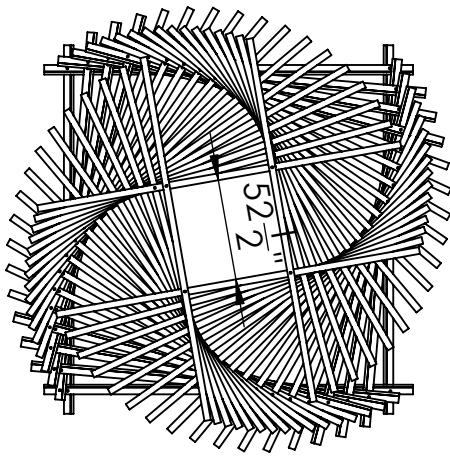
FASTEN LAST LAYER WITH LAG BOLTS

Layer 17 on 16

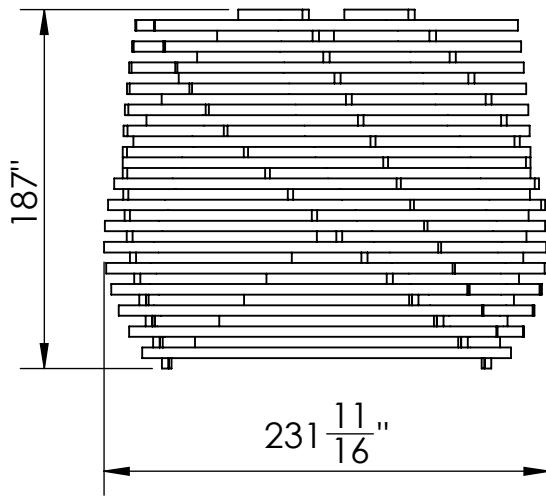
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SCALE: 1:40 7/31/2024 SHEET 19 OF 20

B

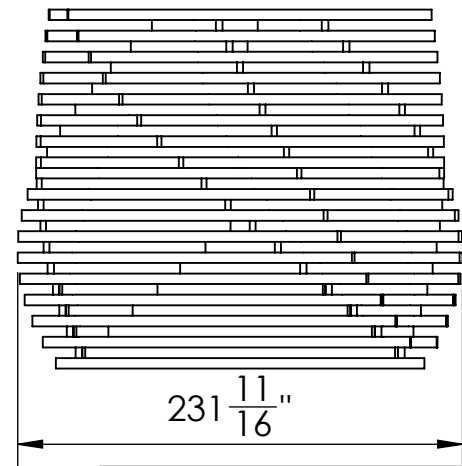


A



1

B



A

Overall Dimensions

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SCALE: 1:100 7/31/2024 SHEET 20 OF 20