

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

2

1

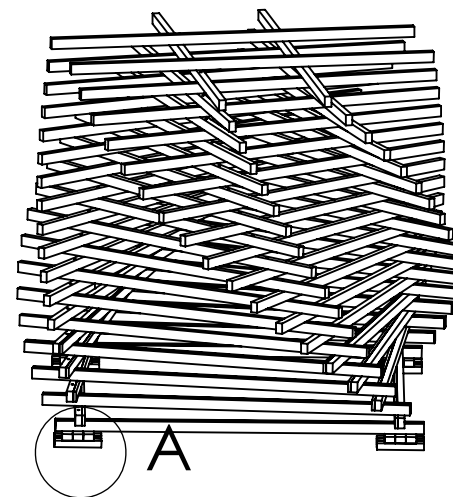
2

1

B

B

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



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

Gordon Hoople

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

2

1

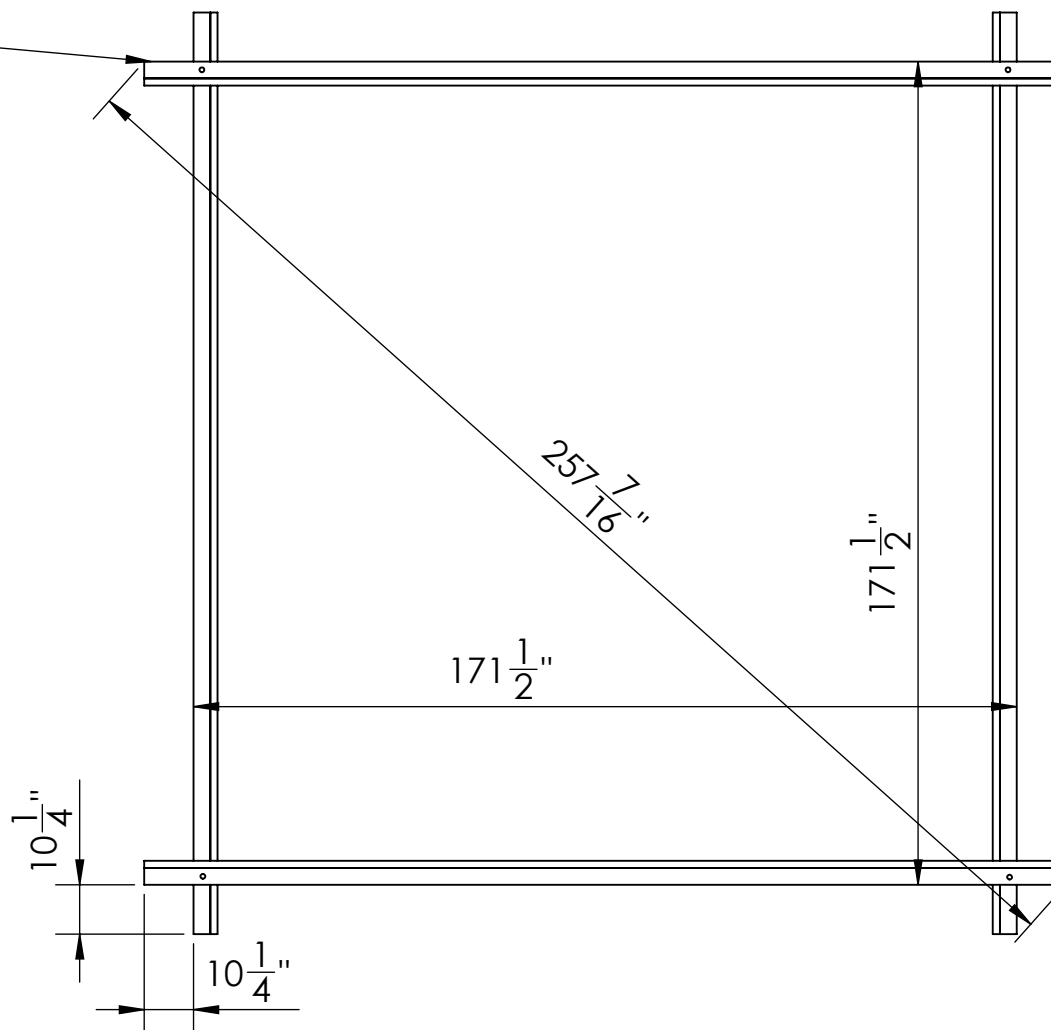
2

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

Gordon Hoople

SCALE: 1:40

7/31/2024

SHEET 3 OF 20

2

1




2

1

B

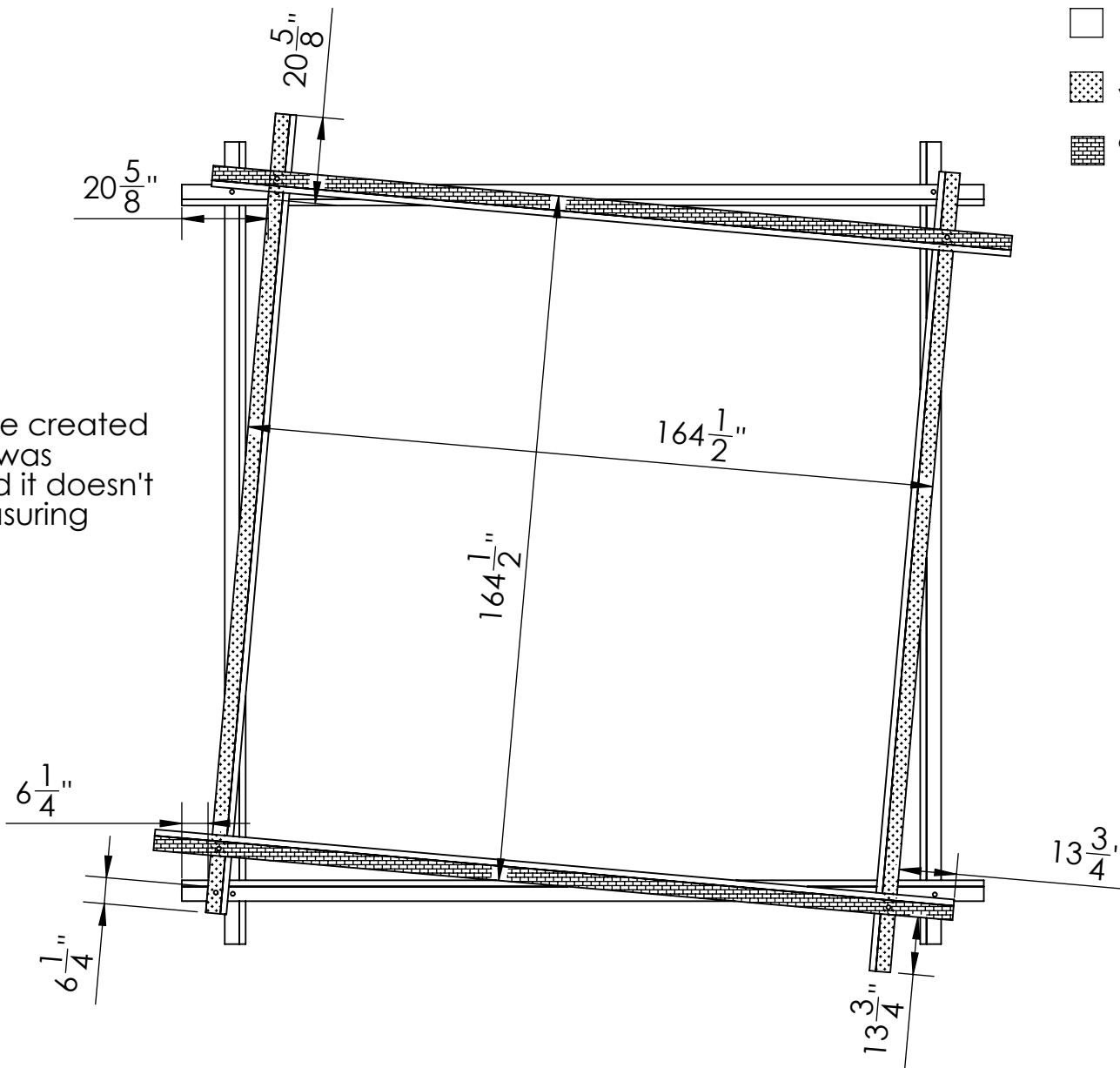
B

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

Gordon Hoople

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

2

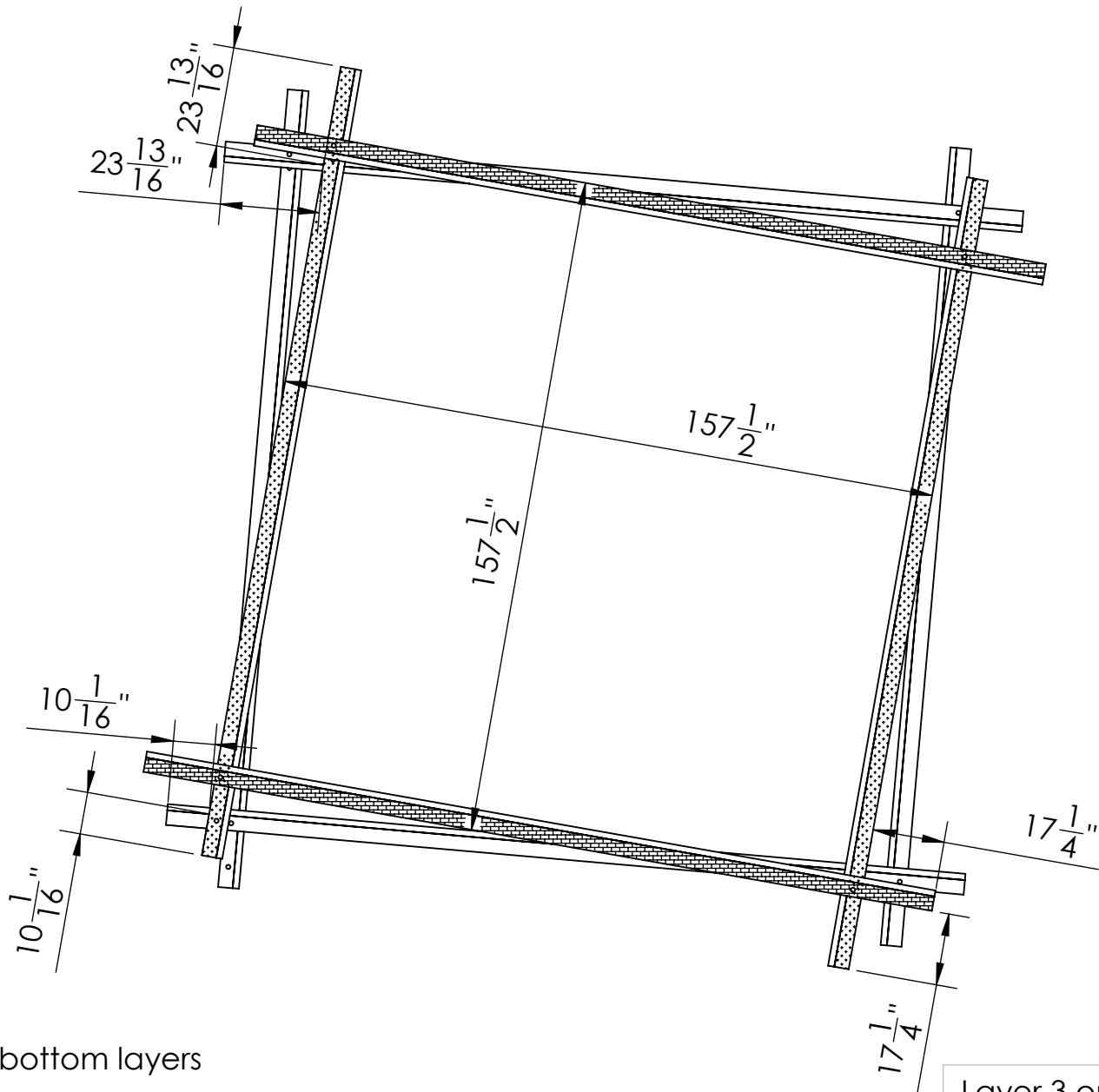
1

B

B

A

A



6x6 Beams for bottom layers

Connect with 10" Lag Bolts

Layer 3 on 2

Gordon Hoople

SCALE: 1:40

7/31/2024

SHEET 5 OF 20

2

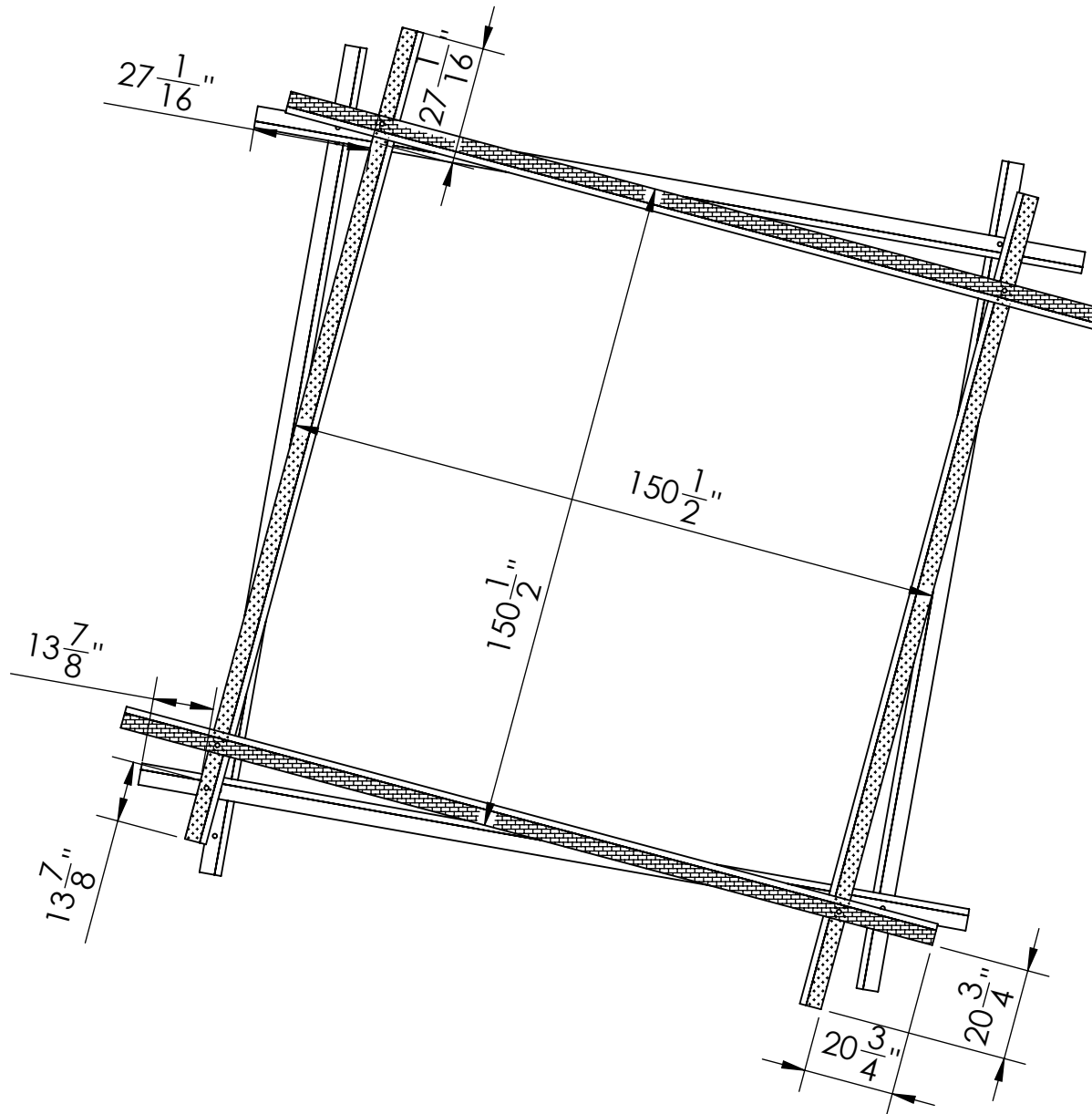
1

B

B

A

A



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

Layer 4 on 3

Gordon Hoople

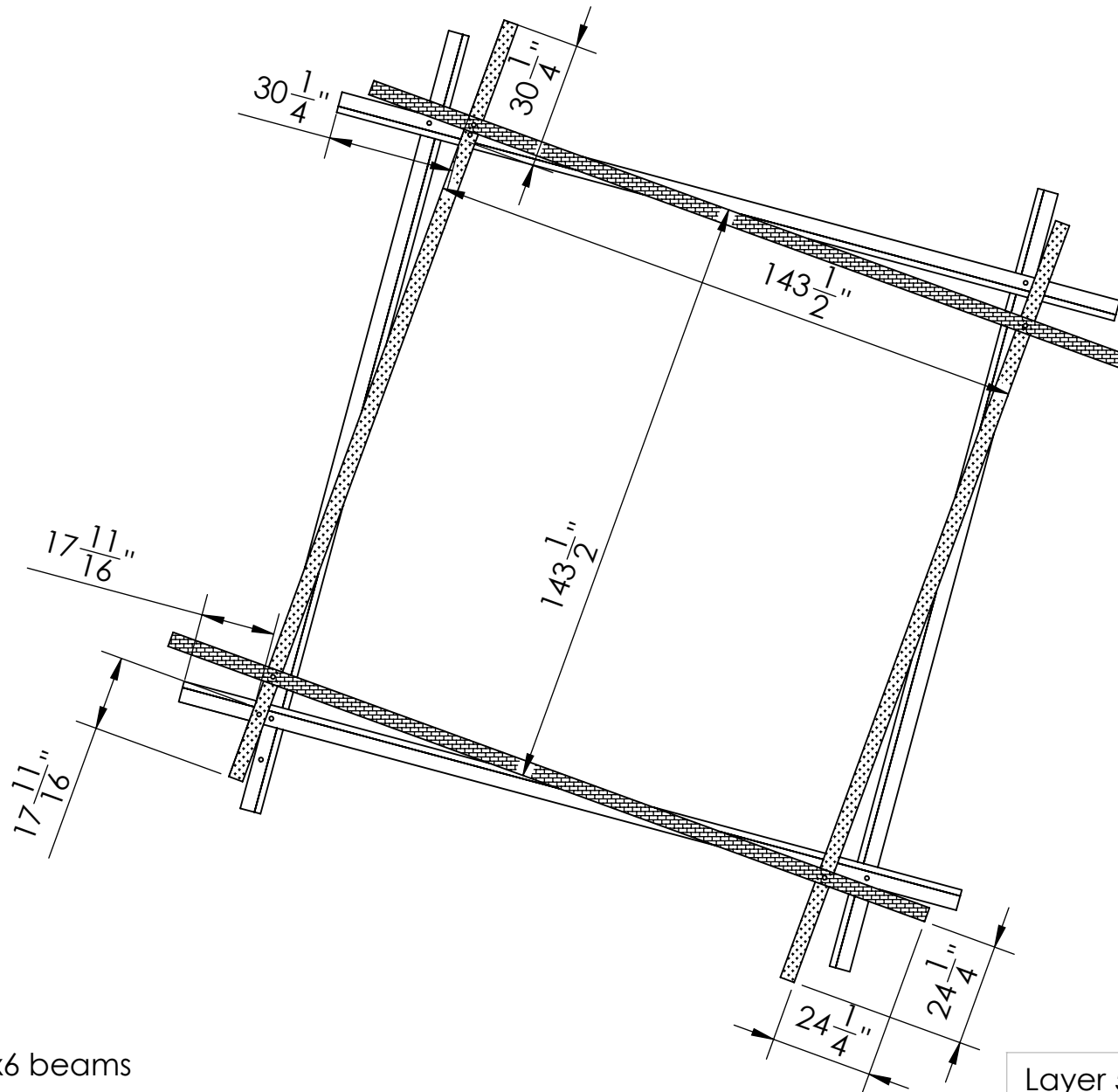
SCALE: 1:40 7/31/2024 SHEET 6 OF 20

2

1

B

A



Switch to 4x6 beams
Connect with 10" Lag Bolts

Layer 5 on 4

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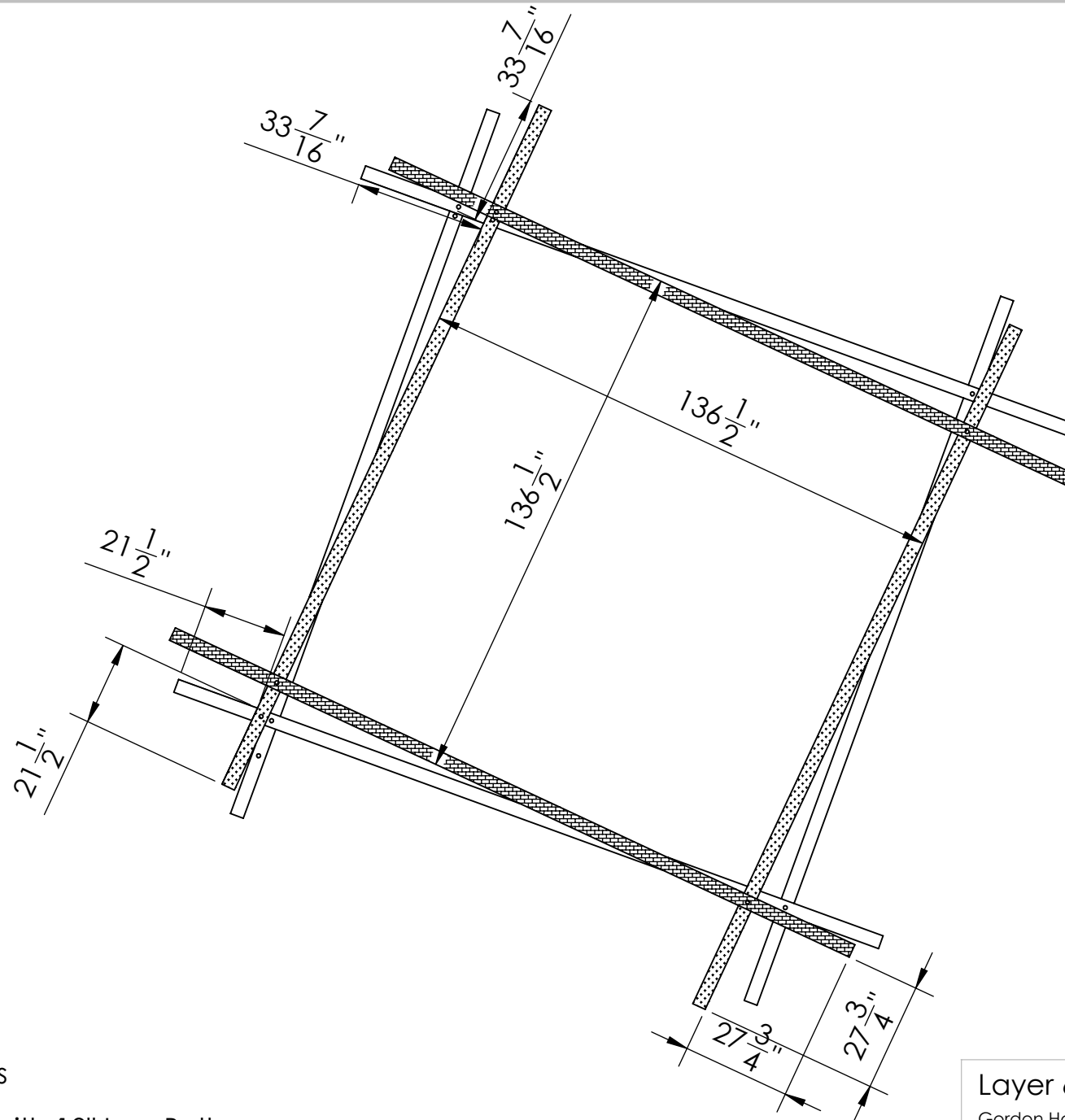
SCALE: 1:40 7/31/2024 SHEET 7 OF 20

B

B

A

A



4x6 beams

Connect with 10" Lag Bolts

Layer 6 on 5

Gordon Hoople

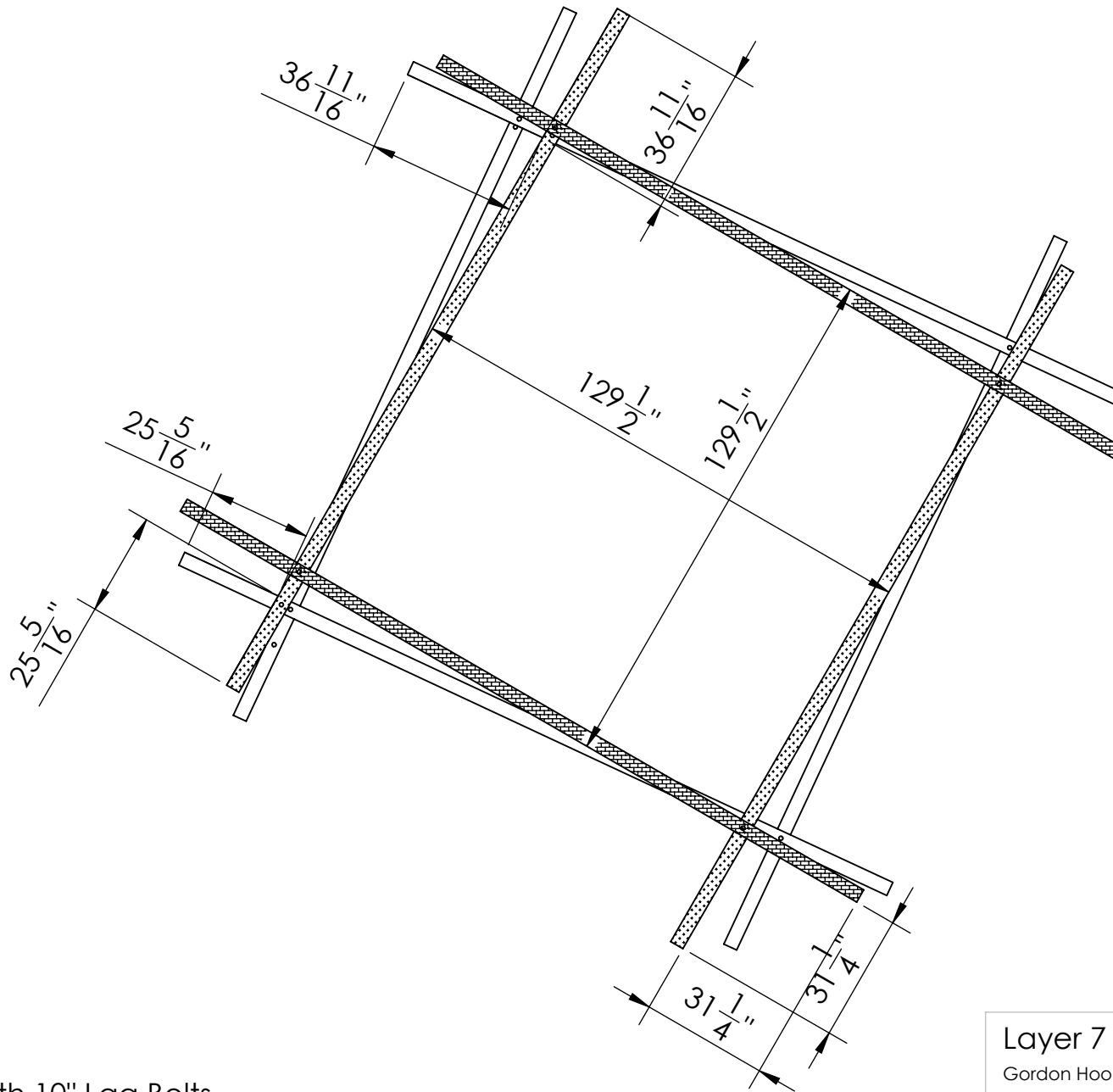
SCALE: 1:40 7/31/2024 SHEET 8 OF 20

B

B

A

A



4x6 beams

Connect with 10" Lag Bolts

Layer 7 on 6

Gordon Hoople

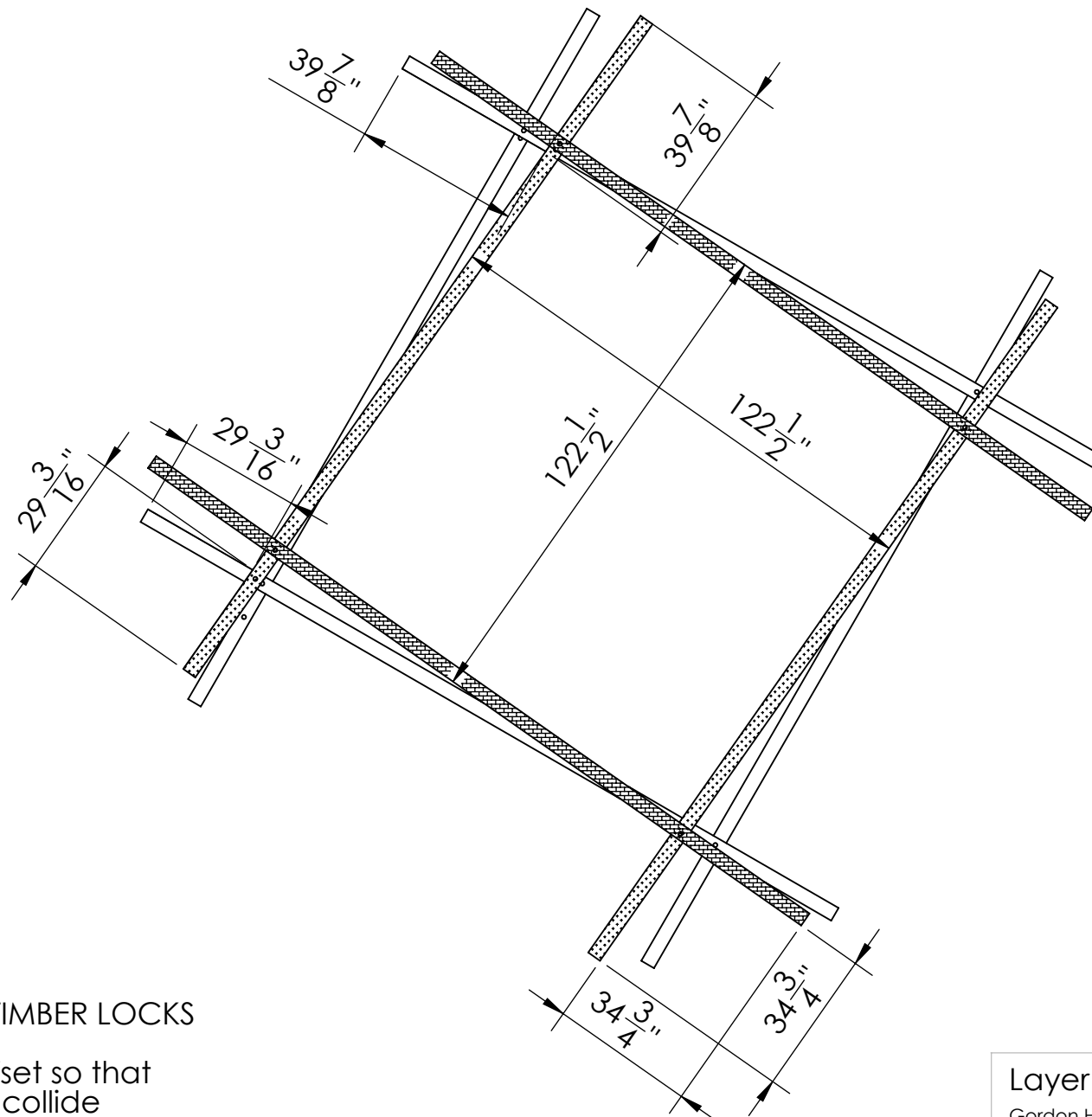
SCALE: 1:40 7/31/2024 SHEET 9 OF 20

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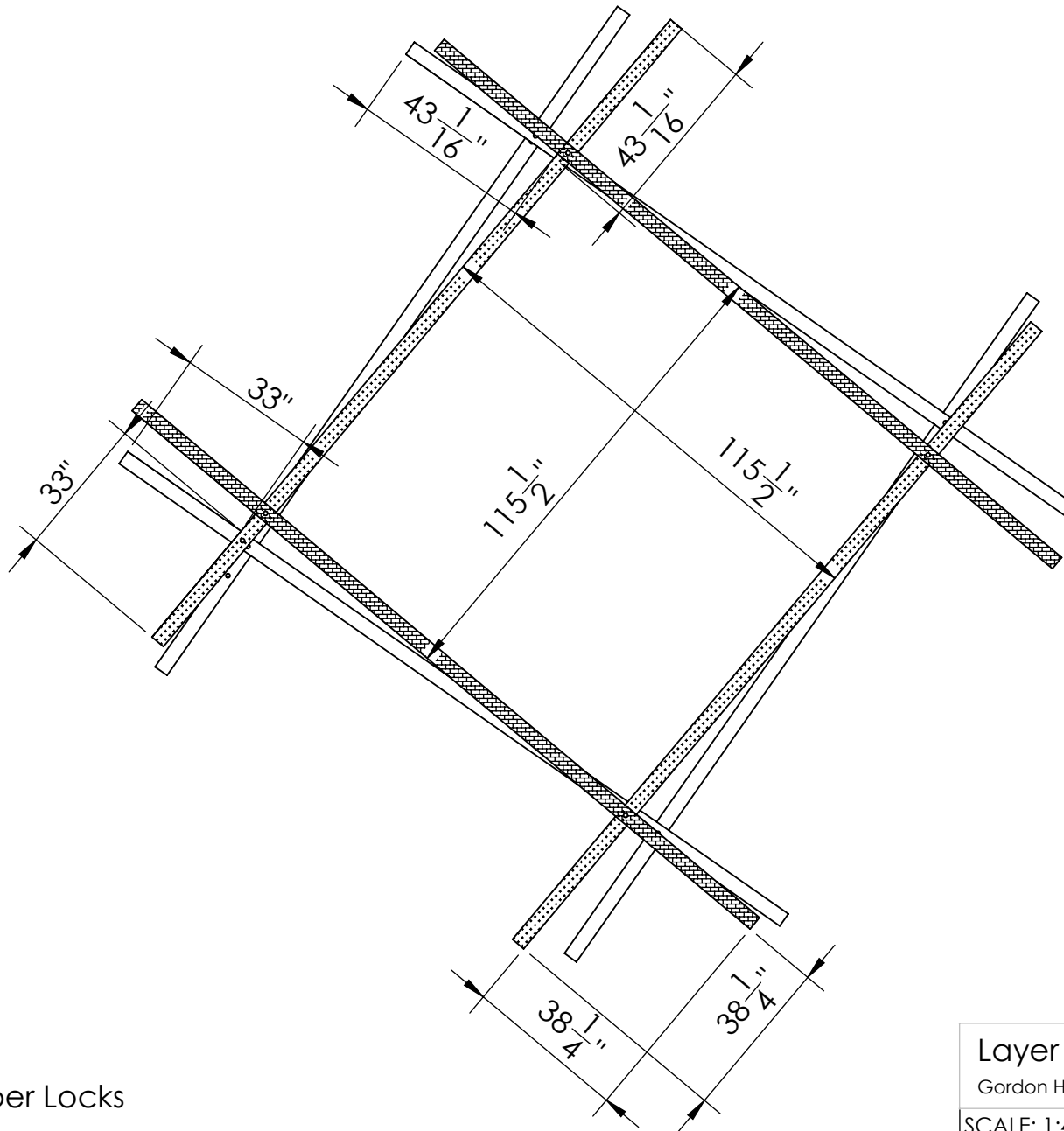
SCALE: 1:40 7/31/2024 SHEET 10 OF 20

B

B

A

A



Fasten with Timber Locks

Layer 9 on 8

Gordon Hoople

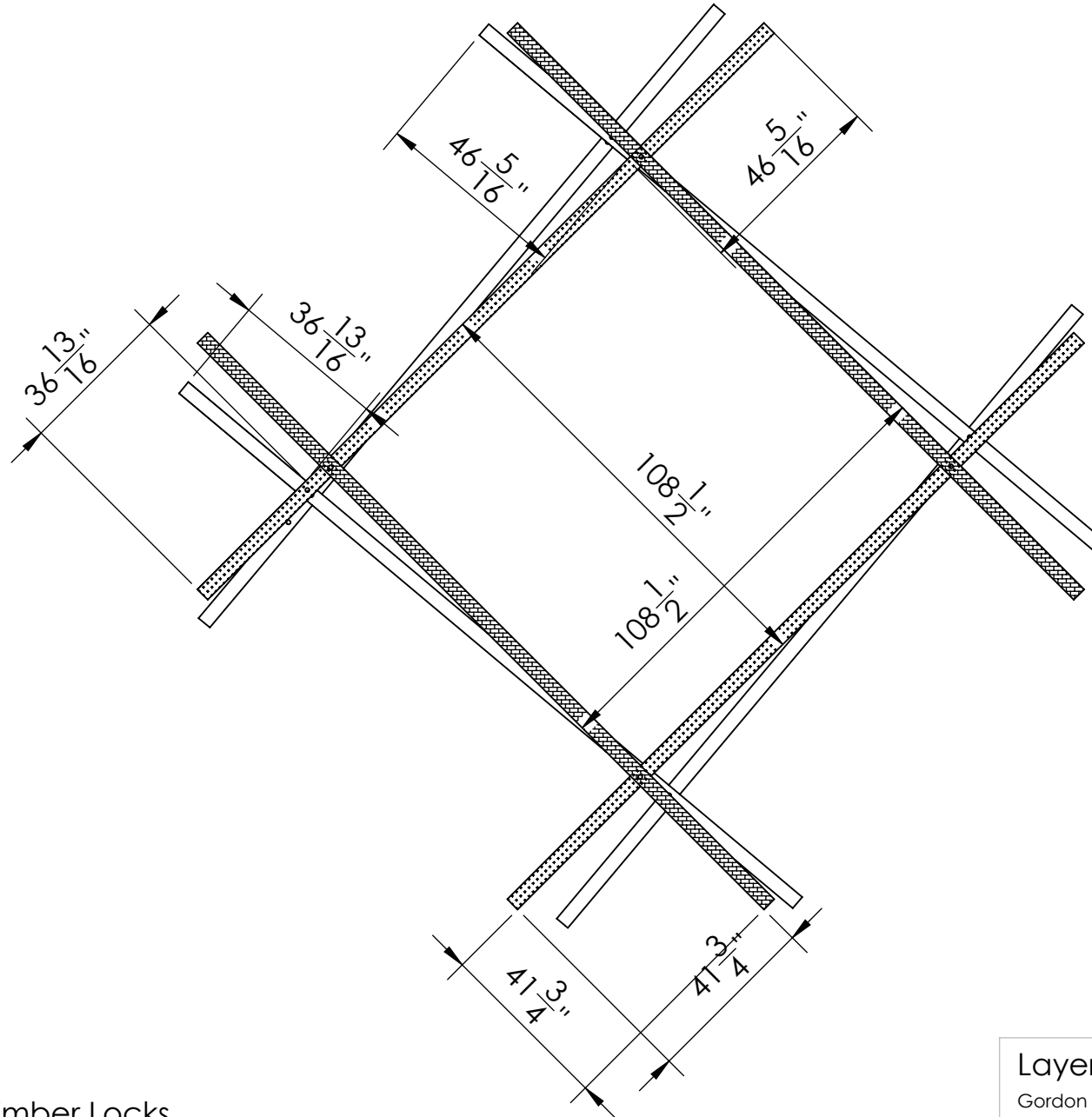
SCALE: 1:40 7/31/2024 SHEET 11 OF 20

B

B

A

A



Fasten with Timber Locks

Layer 10 on 9

Gordon Hoople

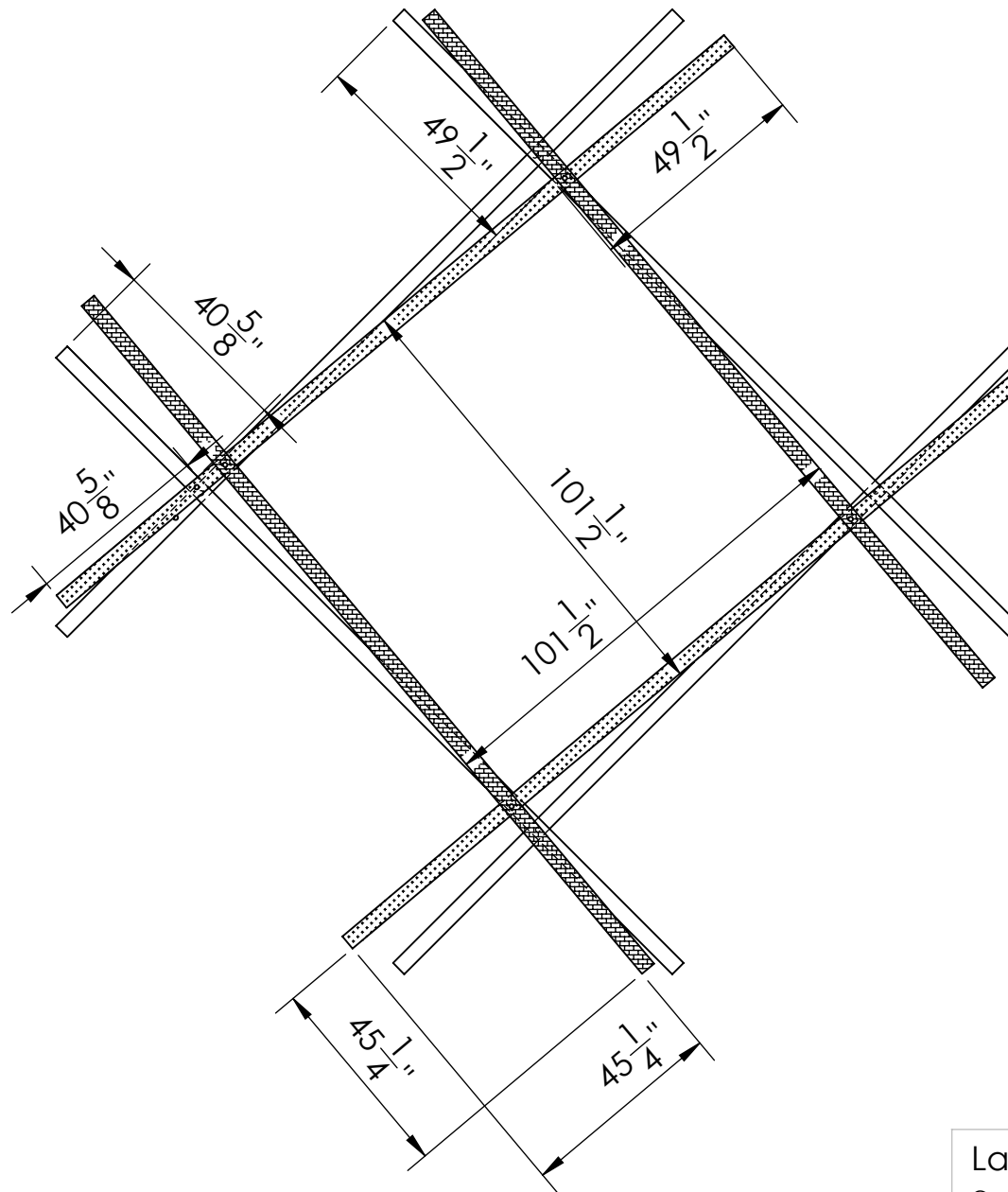
SCALE: 1:40 7/31/2024 SHEET 12 OF 20

B

B

A

A



Fasten with Timber Locks

Layer 11 on 10

Gordon Hoople

SCALE: 1:40

7/31/2024

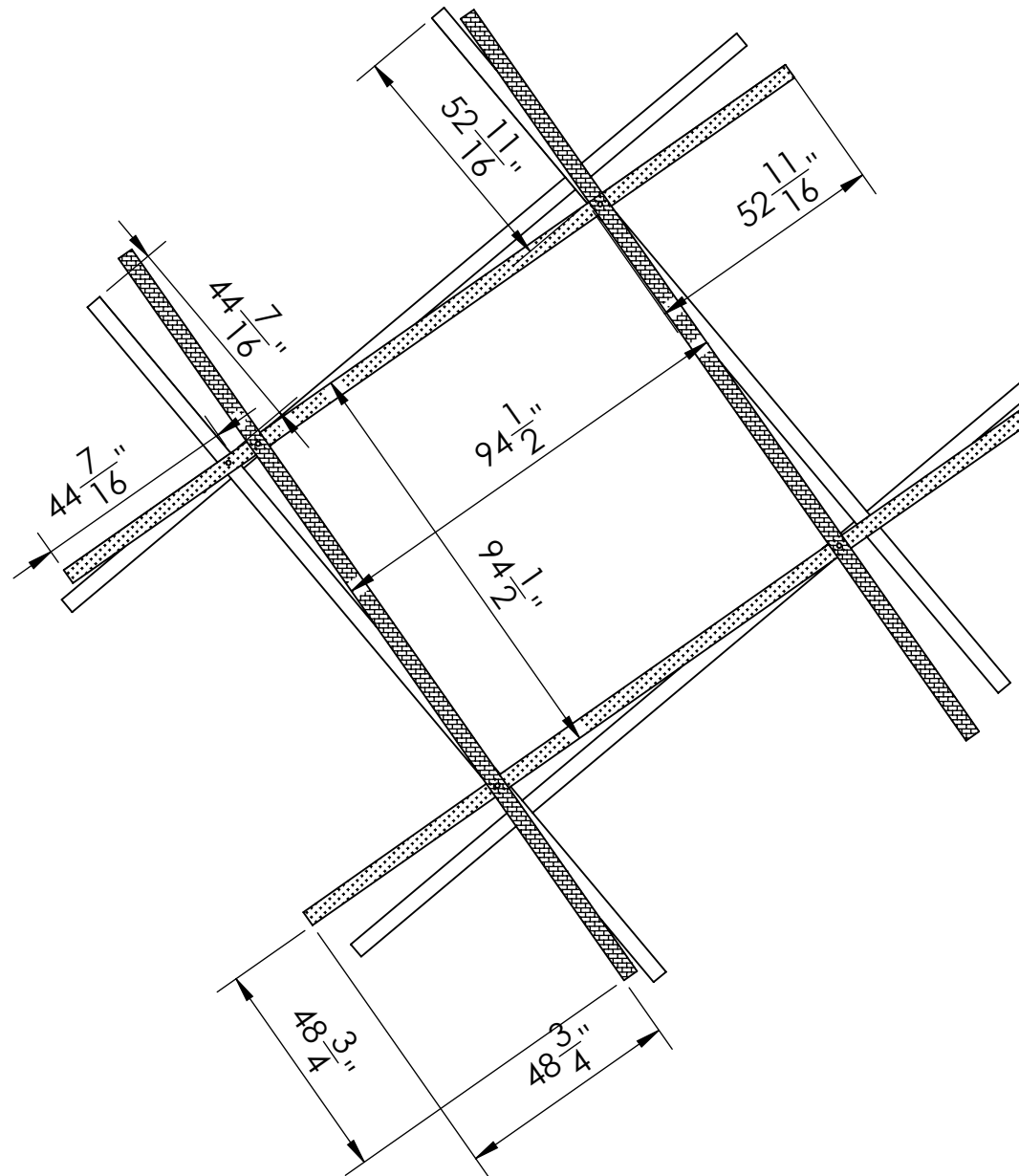
SHEET 13 OF 20

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

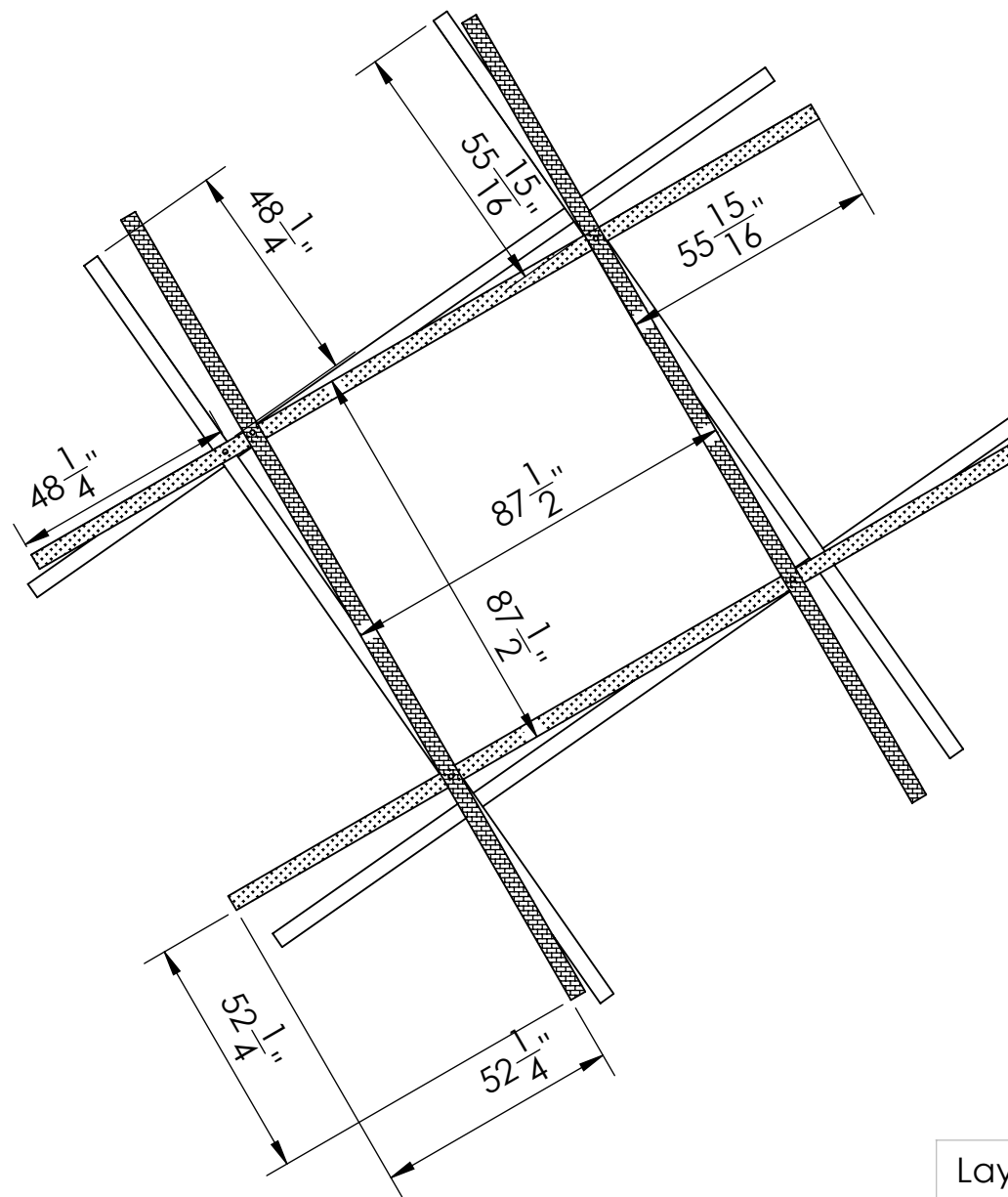
A

2

1

B

B



Fasten with Timber Locks

Layer 13 on 12

Gordon Hoople

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

A

2

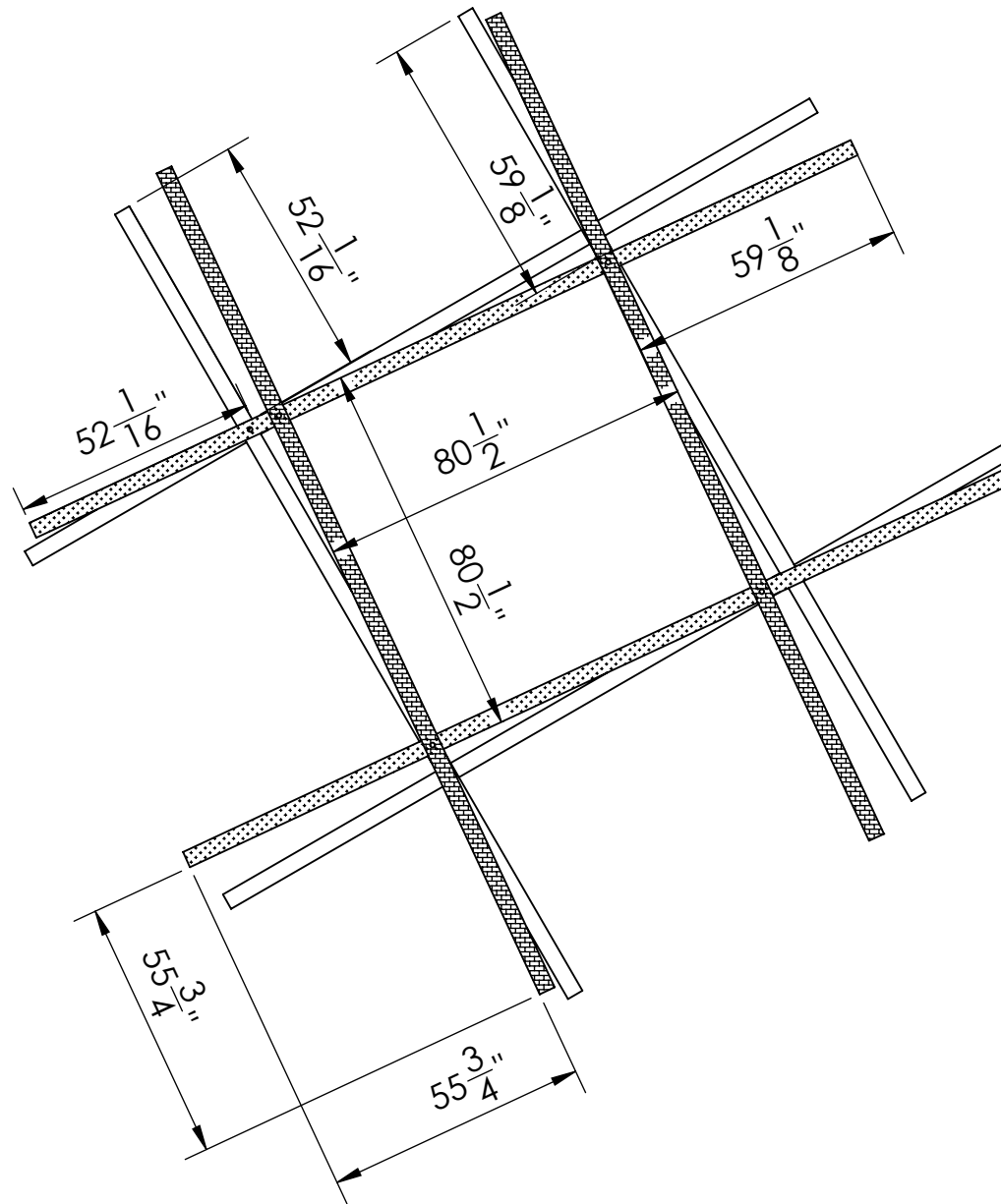
1

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

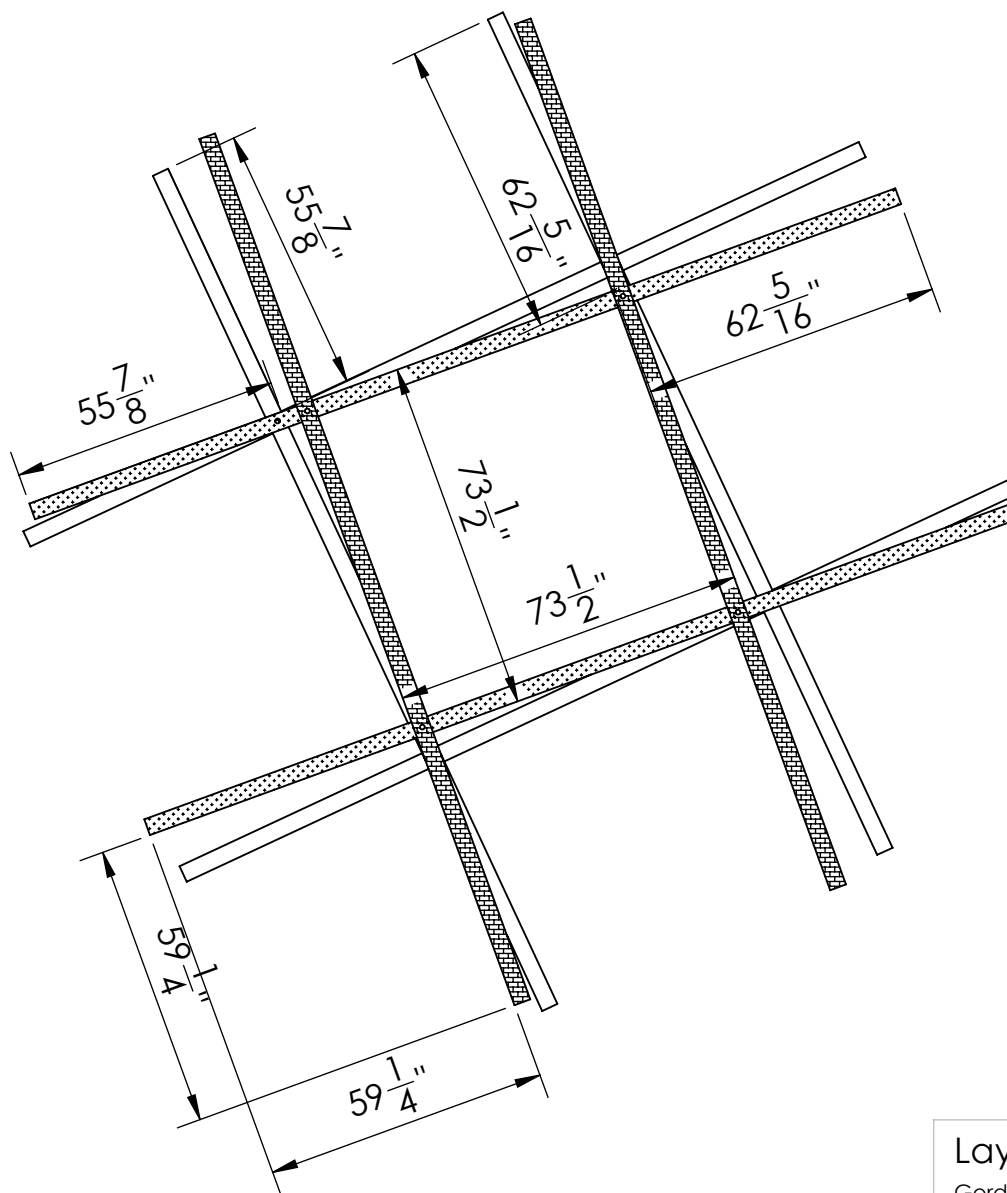
A

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

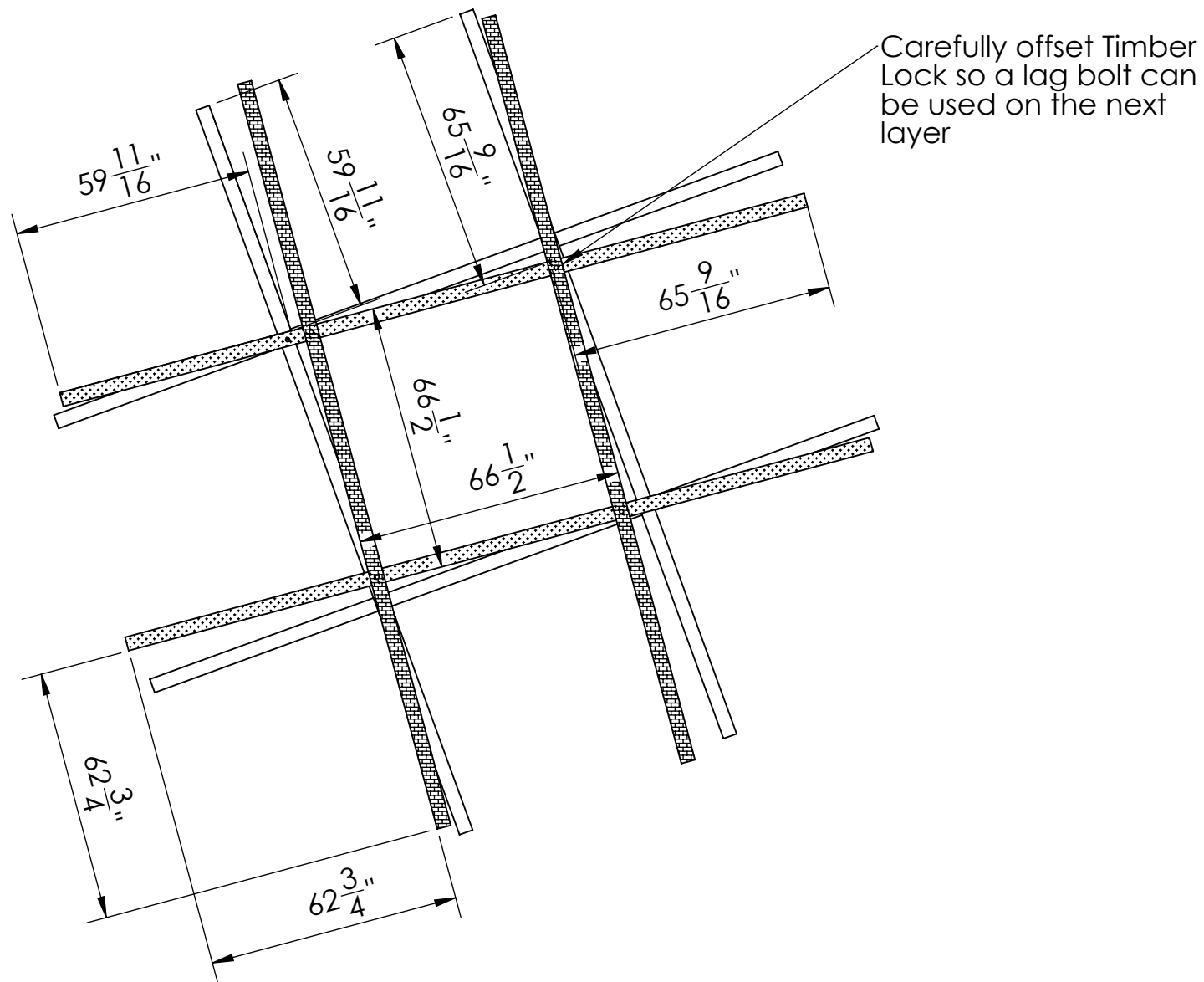
A

2

1

B

B



A

A

Fasten with Timber Locks

Layer 16 on 15

Gordon Hoople

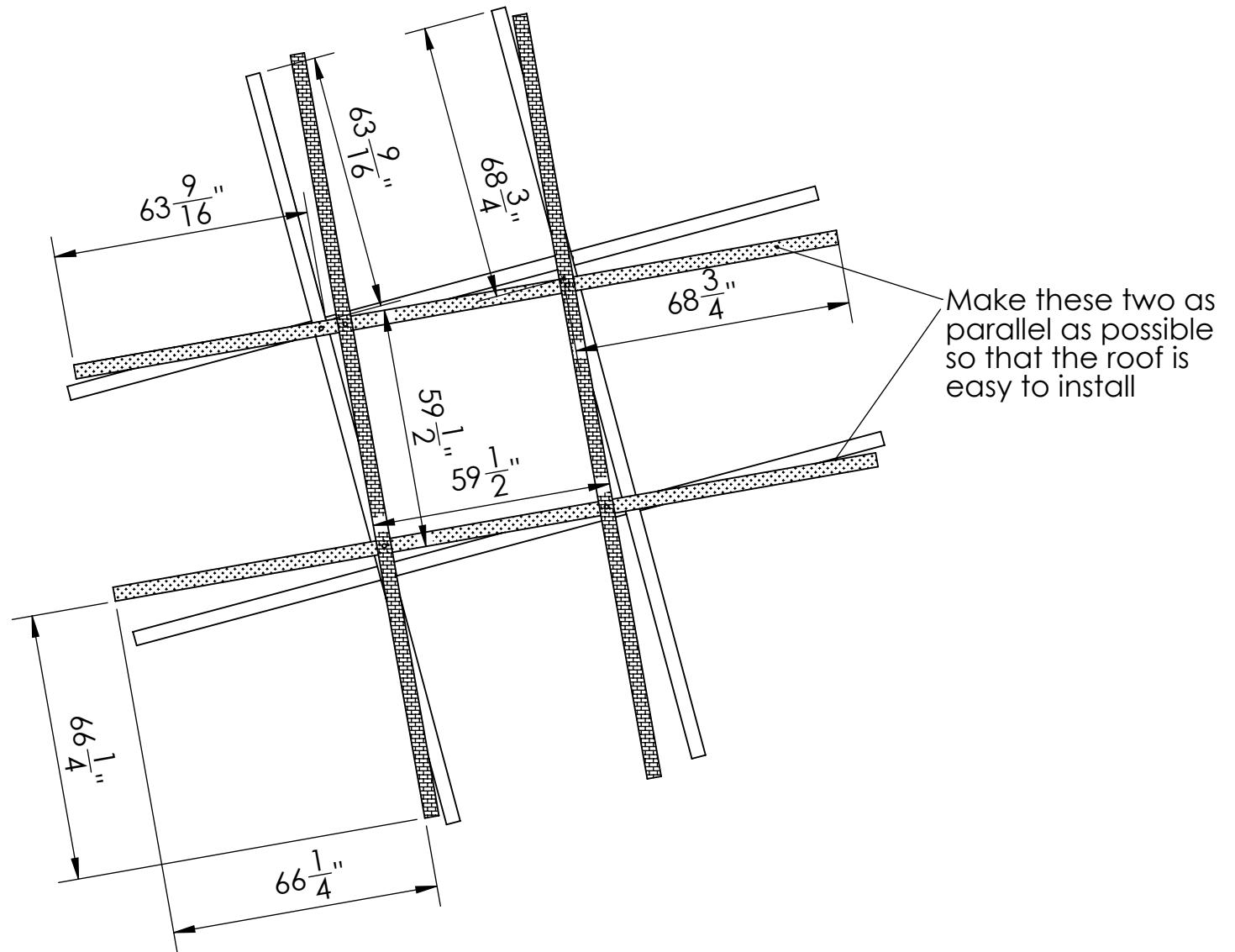
SCALE: 1:40 7/31/2024 SHEET 18 OF 20

2

1

B

B



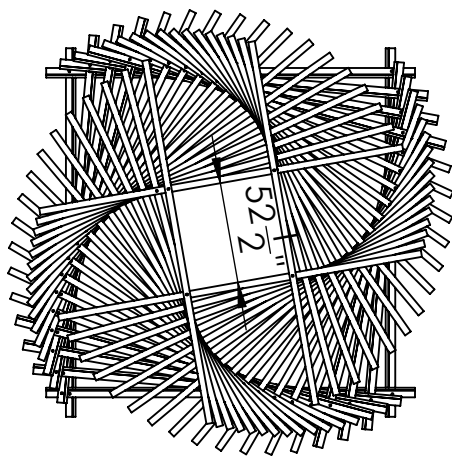
FASTEN LAST LAYER WITH LAG BOLTS

Layer 17 on 16

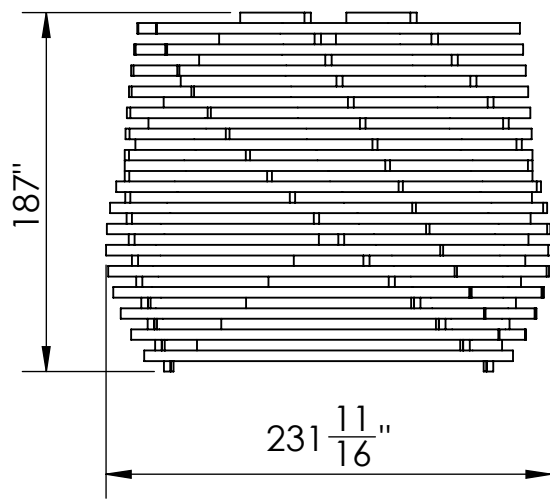
Gordon Hoople

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

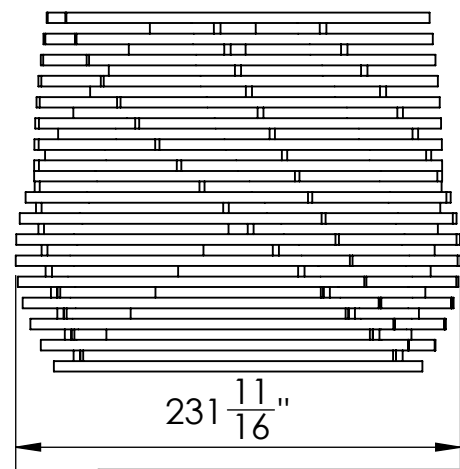
B



A



B



A

Overall Dimensions		
Gordon Hoople		
SCALE: 1:100	7/31/2024	SHEET 20 OF 20