

AN EXPANDABLE CNC REVOLVE CASTER ASSEMBLY

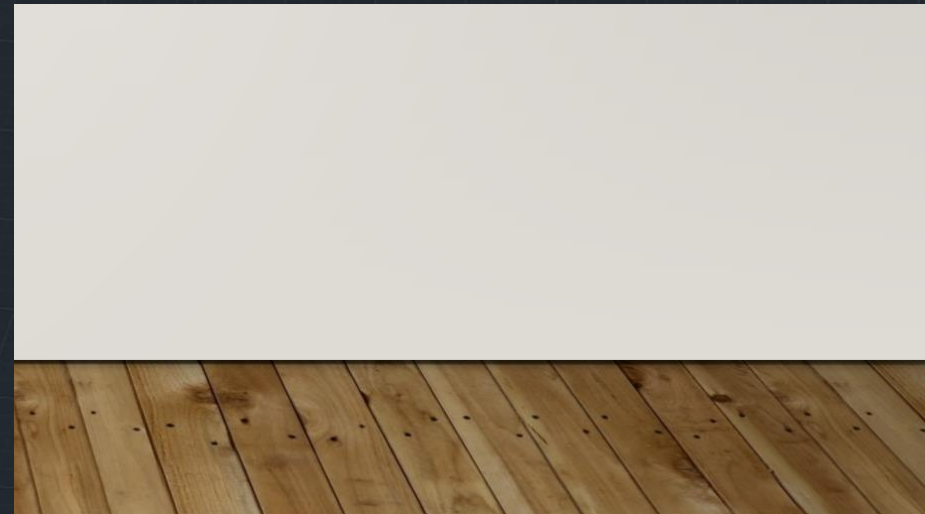
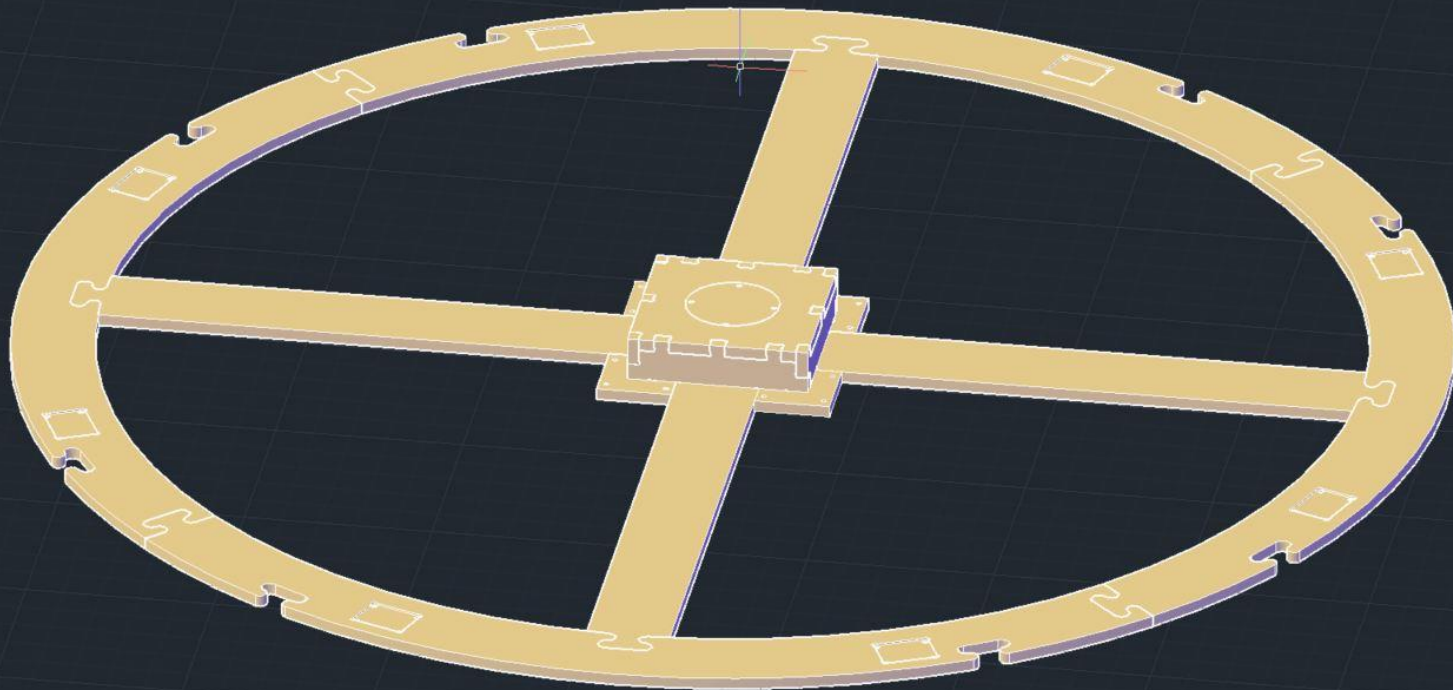
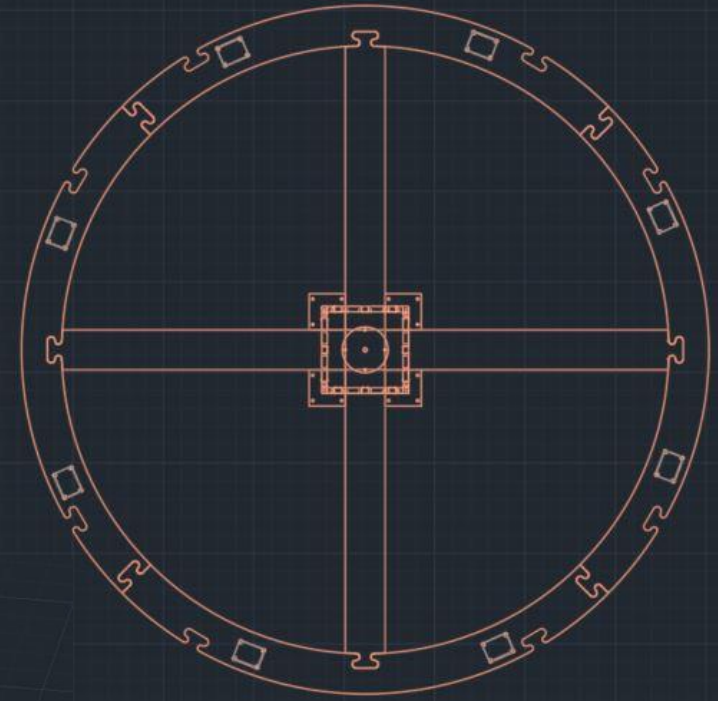
BY CHYNNA BRADFORD

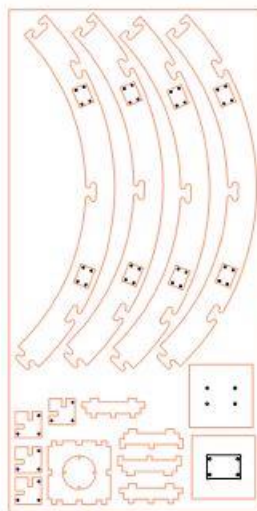


DRAFTING PROCESS

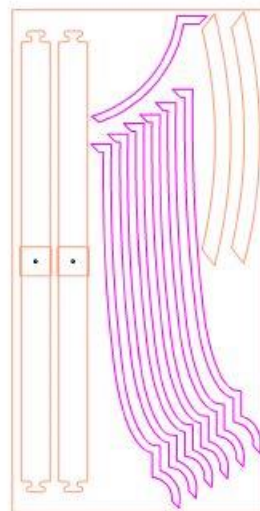


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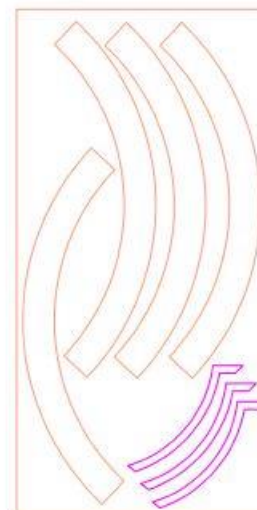




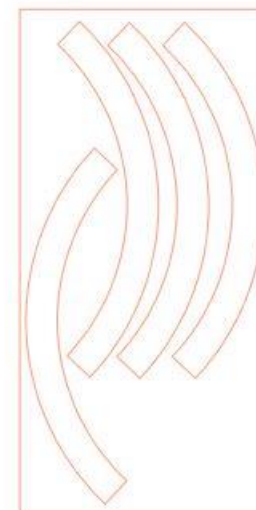
304
1 REVOLVE CNC PIECES SHEET 1
NOTES: CUT ONE
BITS SPECIFIED ON CNC FILE
LK5304-1.MMG SCALE: 1/2"=1'-0"



304
2 REVOLVE CNC PIECES SHEET 2
NOTES: CUT ONE
BITS SPECIFIED ON CNC FILE
LK5304-2.MMG SCALE: 1/2"=1'-0"



304
3 REVOLVE CNC PIECES SHEET 3
NOTES: CUT ONE
BITS SPECIFIED ON CNC FILE
LK5304-3.MMG SCALE: 1/2"=1'-0"



304
4 REVOLVE CNC PIECES SHEET 3
NOTES: CUT TWO
BITS SPECIFIED ON CNC FILE
LK5304-4.MMG SCALE: 1/2"=1'-0"

300-REVOLVE

REVOLVE CNC PIECES

DESIGNER: MATTHEW WILLIAMS

CLIENT: GEMINE NEUMAN-HAMPTON

PROJECT: CHANNING BRADFORD

DATE: 08/17/18 LKS

DATE 1: 08/17/18

DATE 2: 08/17/18 DATE 3:

BUILD TIME

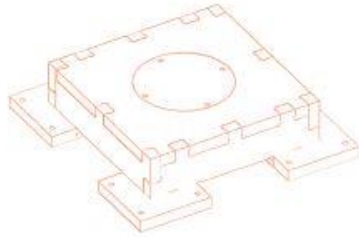
DAY / OF CHIPS TIME

MATERIALS USED

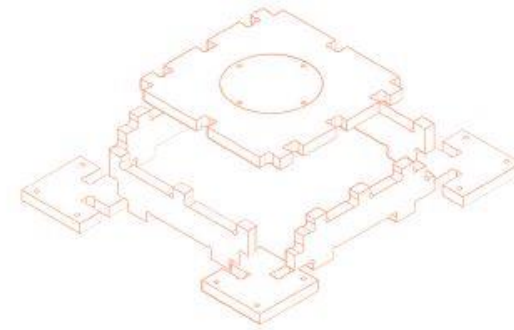
MATERIAL QUANTITY

SCALE: AS NOTED

DATE:



305
1 REVOLVE PIVOT BOX ASSEMBLED VIEW
NOTES:
GLUE AND STAPLE
PIECES CUT ON CNC
PIVOT BOLTED ONTO TOP PLATE WITH 1/4" BOLTS
SCALE: 1-1/2"=1'-0"



305
2 REVOLVE PIVOT BOX EXPLODED VIEW
NOTES:
GLUE AND STAPLE
PIECES CUT ON CNC
SCALE: 1-1/2"=1'-0"

300-REVOLVE

PIVOT BOX ASSEMBLY

DESIGNER: MATTHEW WILLIAMS

CLIENT: GENNIE NEUMAN-LANDRETT

ENGINEER: CHYNNA BRADFORD

DATE 1: 08/15/2015

DATE 2: 08/15/2015

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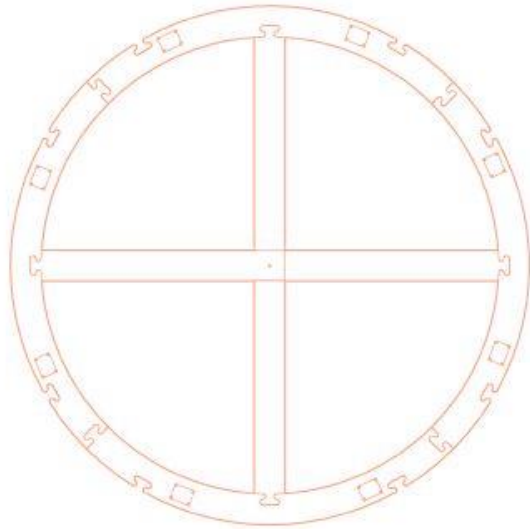
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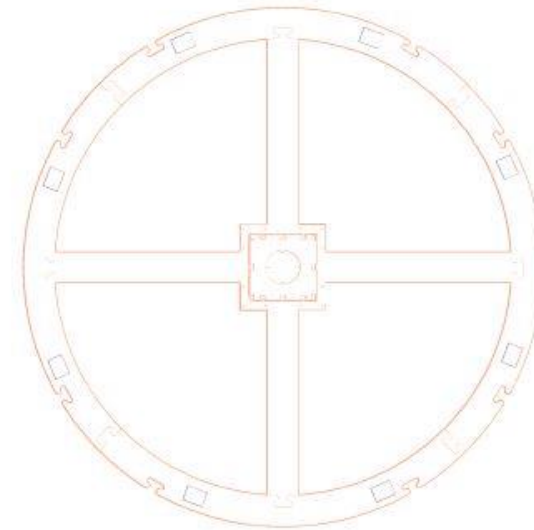
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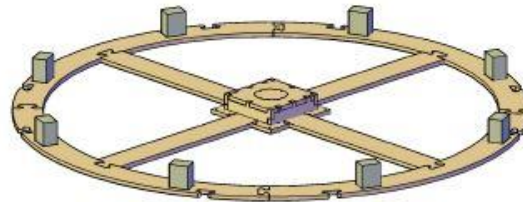
LUCKY STIFF



306
1 TOP VIEW: REVOLVE CASTER BASE ASSEMBLY
NOTES:
PIECES CUT OUT ON CNC
CENTER SPREADERS GLUED AND STAPLED TOGETHER
CASTER PLATES SHOULD BE SHIMMED AND LEVELED IN SPACE
CASTERS THEN PLACED IN POCKETS
LAG THROUGH CASTERS AND PLATES INTO FLOOR



306
2 TOP VIEW: CASTER BASE ASSEMBLY WITH PIVOT BOX
NOTES:
LAG PIVOT BOX FEET INTO FLOOR ONCE IN PLACE



306
3 ISO VIEW: CASTER BASE ASSEMBLY WITH PIVOT BOX
NOTES:
LAG PIVOT BOX FEET INTO FLOOR ONCE IN PLACE

300-REVOLVE

CASTER BASE ASSEMBLY

DESIGNED BY: MATTHEW WILLIAMS

ENGINEERED BY: GENNIE NEUMAN-LANDREY

FILED BY: CHAYNNA BRADFORD

DATE 1: 1/2/2024

DATE 2: 1/2/2024

DATE 3: 1/2/2024

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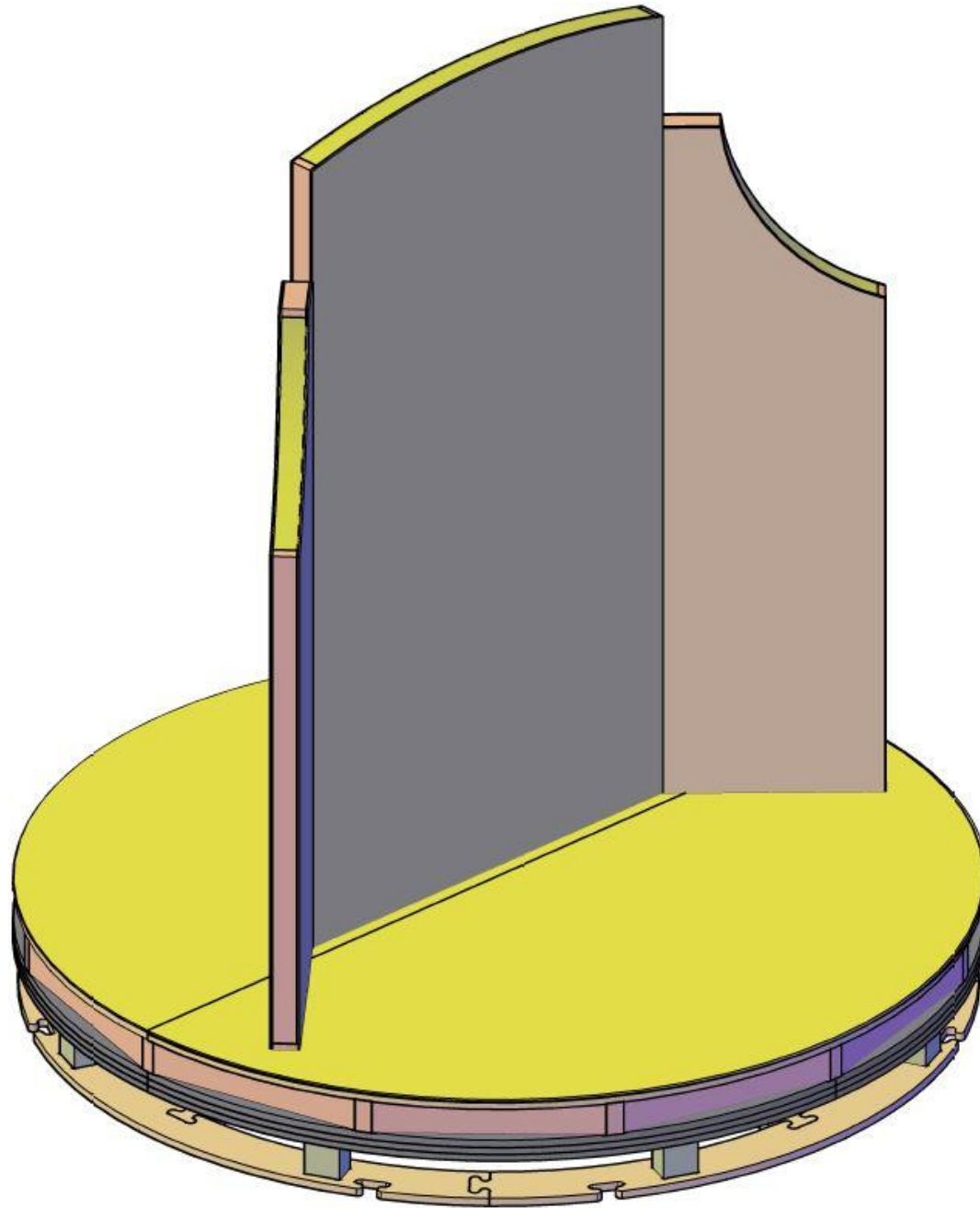
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DATE 215: 1/2/2024

DATE 216: 1/2/202



LUCKY STIFF

300-REVOLVE

REVOLVE OVERVIEW

TEXT: MATTHEW WILLIAMS

TEXT: GEMINE NEUMAN-LANDERT

TEXT: CHYNNIA BRADFORD

TEXT: CHYNNIA BRADFORD

TEXT: CHYNNIA BRADFORD

TEXT: CHYNNIA BRADFORD

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SCALE AS NOTED

PLATE

300

IN REALITY

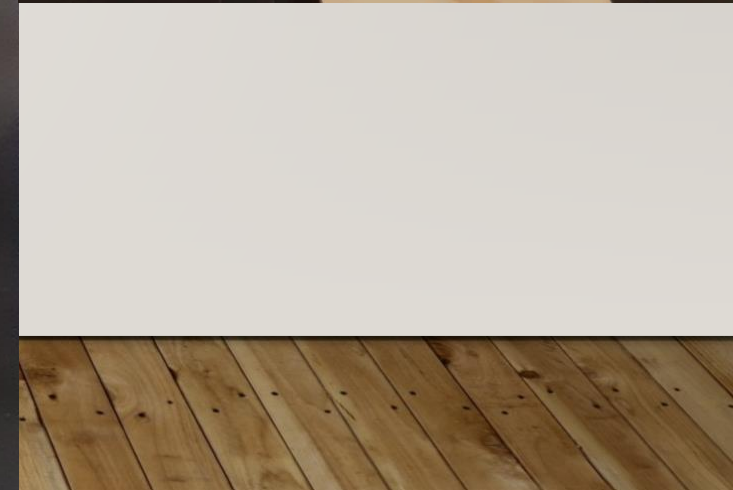
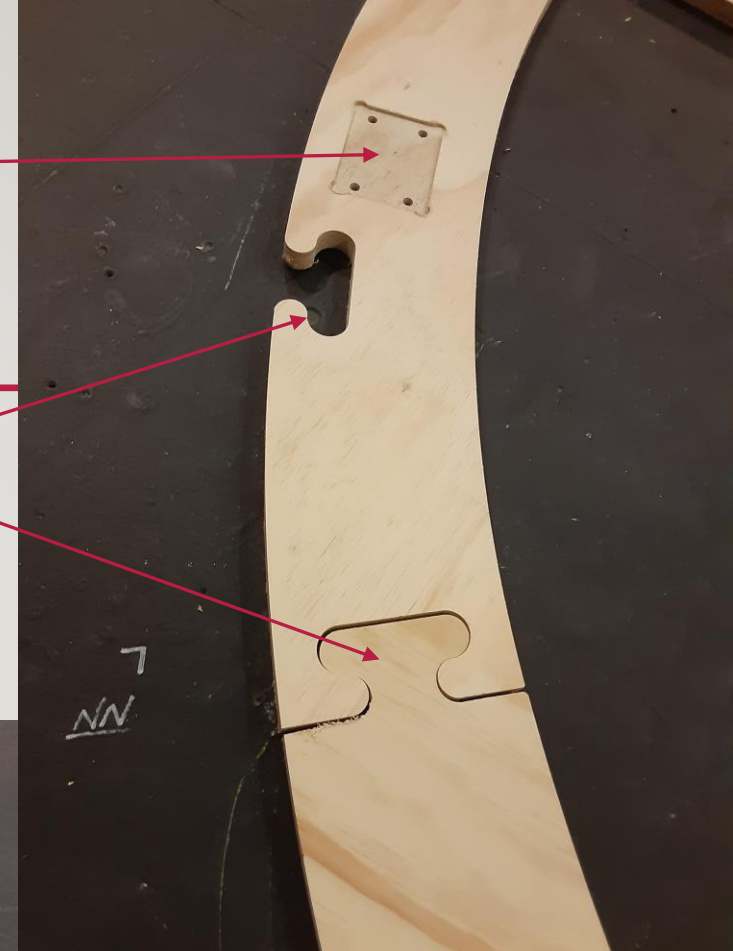


CASTER ASSEMBLY DETAILS

Pocket Cuts and Predrilled
holes for Caster Layout and
Attachment

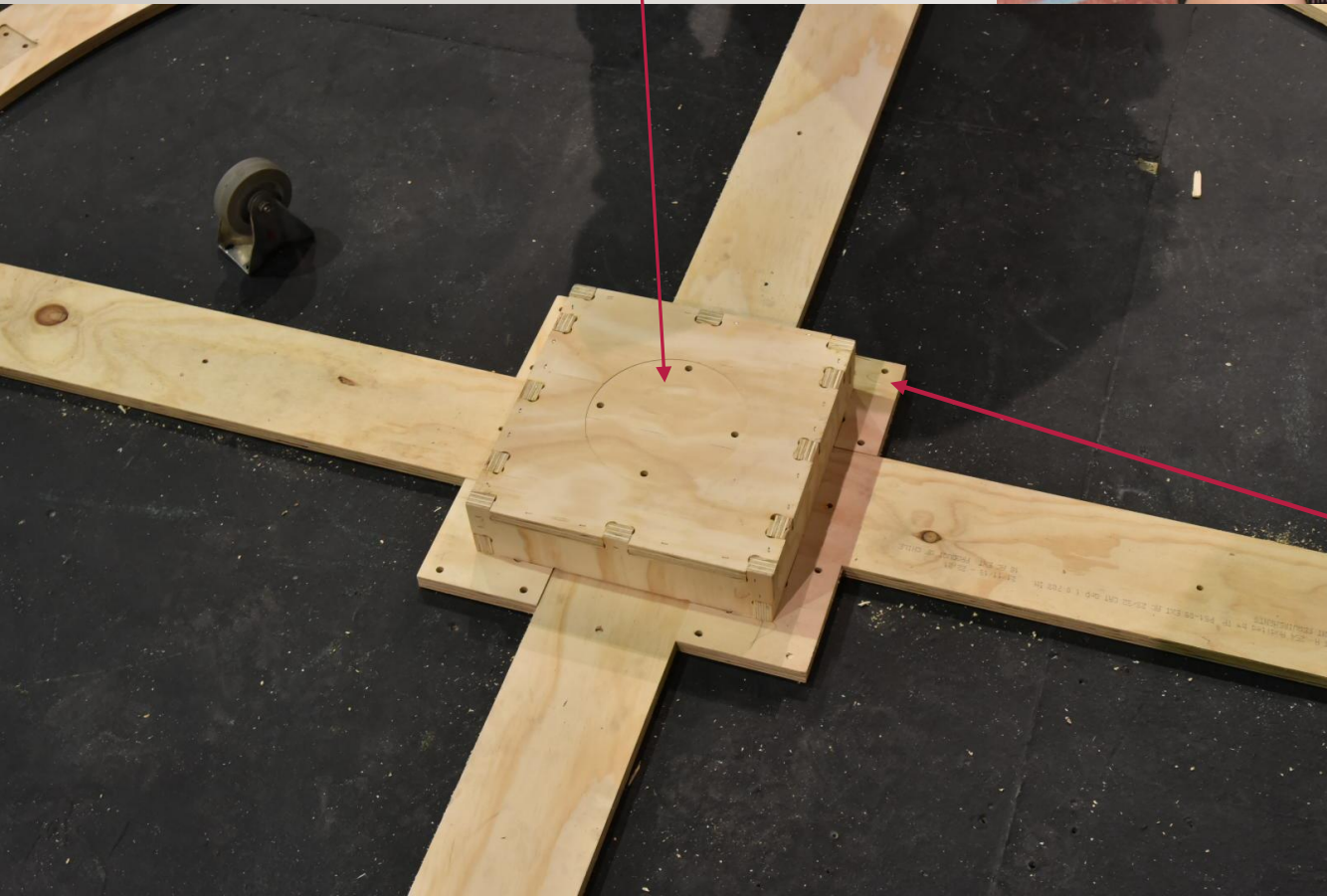
Half-lapped Center Joint
with Center Hole for
Easy Placement

Puzzled Joints for
Quick Assembly
and Future
Expansion



PIVOT STAND

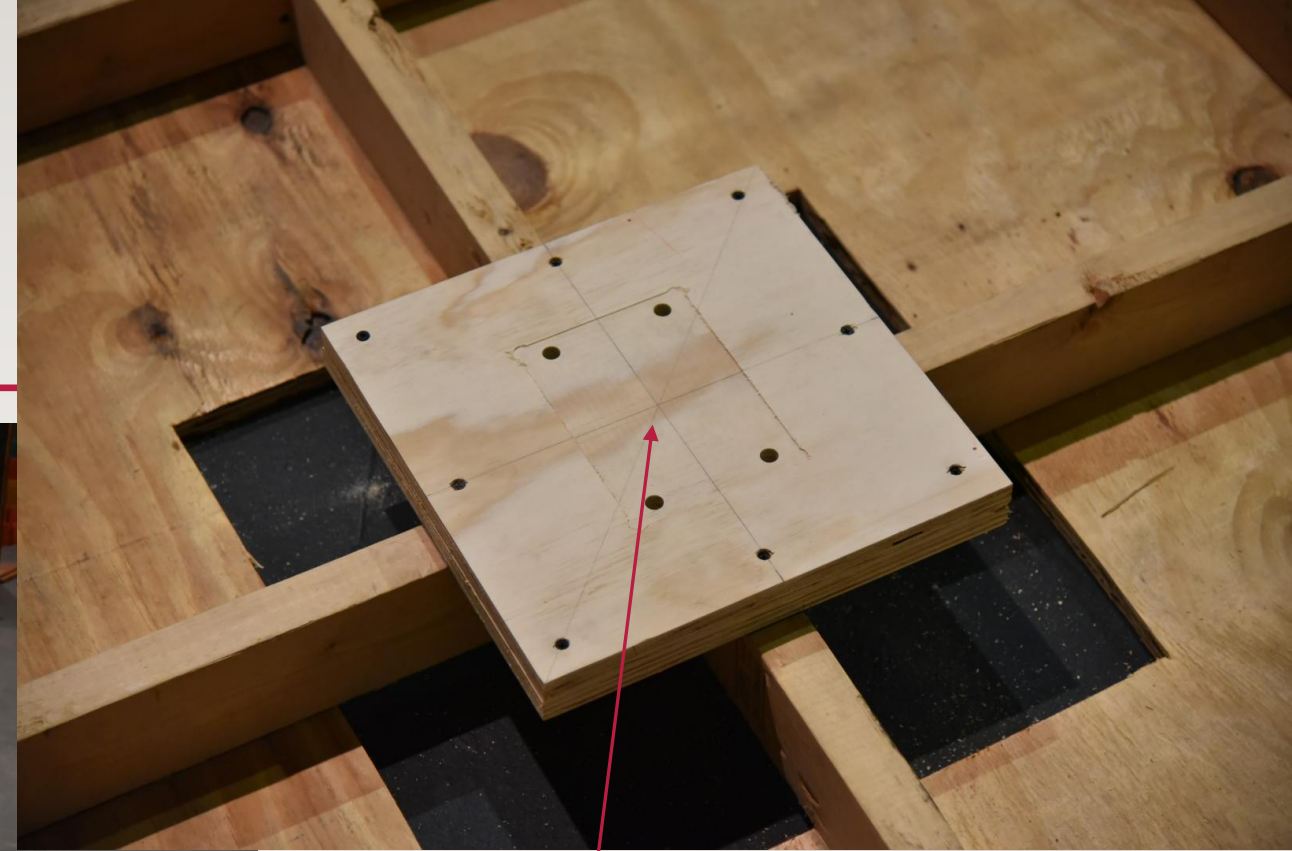
1/8" Depth Pocket Cut for
Pivot Indexing



Indexed Feet Bolted to the
Floor to Resist Torsional
Forces

PLATFORM

3 Layer Ply Ring attached to bottom of stock platform. Ring is larger than platform itself to ensure that motor uses the true circle for movement.



Center Plate with 1/16" Pocket Cut for Pivot Indexing and Easy Placement



FINAL ASSEMBLY

Access Panel cut into
top of platform to allow
bolting of plate to pivot

We then checked to make sure casters were
level and adjusted the unit as a whole.



