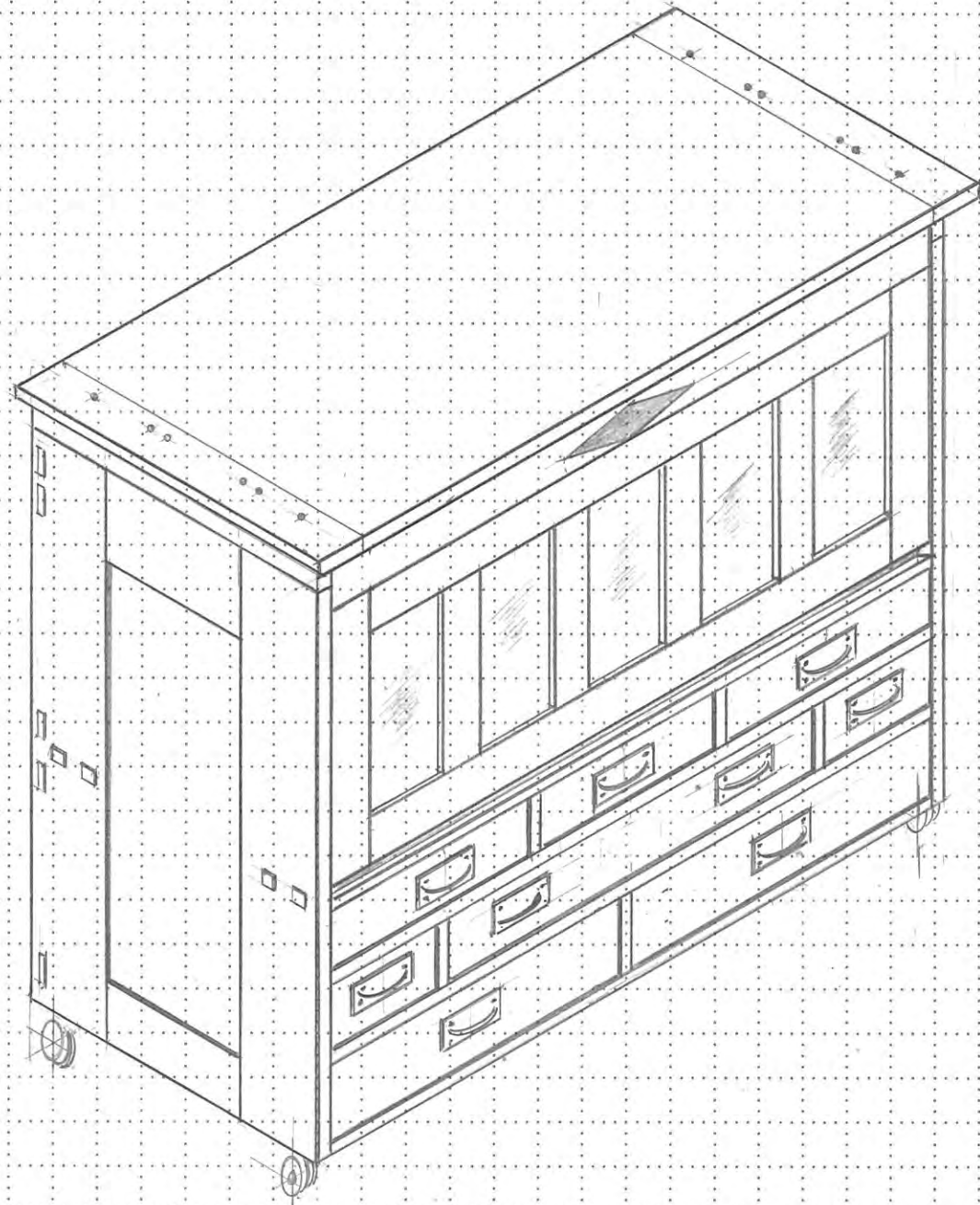


From the workbench of:

Date:



DRAWING LIST

- COVER SHEET
- 1 BENCH CASE ELEVATIONS
- 2 GENERAL CROSS-SECTION
- 3 SIDE FRAME & END PANEL DETAILS
- 4 BENCH CASE BACK DETAILS
- 5 CASE FRONT PANEL DETAILS
- 6 CASE TOP & ATTACHMENT DETAILS
- 7 TOP DRAWER PARTITION DETAILS
- 8 DRAWER PARTITION 'A' DETAILS
- 9 DRAWER PARTITION 'B' DETAILS
- 10 CASE BOTTOM DETAILS
- 11 BARRISTER EQUALIZER DETAILS
- 12 SECTIONAL ASSEMBLY
- 13 BENCH PLAN GENERAL ARRANGEMENT
- 14 EXHAUST FAN & FILTER HOUSING MODULE
- 15 PIVOTING WORK BENCH DETAIL
- 16 SCISSOR LIFT ASSEMBLY
- 17 SCISSOR LIFT SECTIONAL DETAILS
- 18 SCISSOR LIFT HOUSING MODULE DETAILS
- 19 SPREADER JACK ASSEMBLY
- 20 SPREADER JACK DETAILS
- 21 SPREADER JACK ARM TEMPLATES
- 22 MISCELLANEOUS DETAILS
- 23 SCISSOR LIFT GEOMETRY
- 24 SCISSOR LIFT POSITION CALCULATION SHEET
- 25 SPREADER JACK GEOMETRY

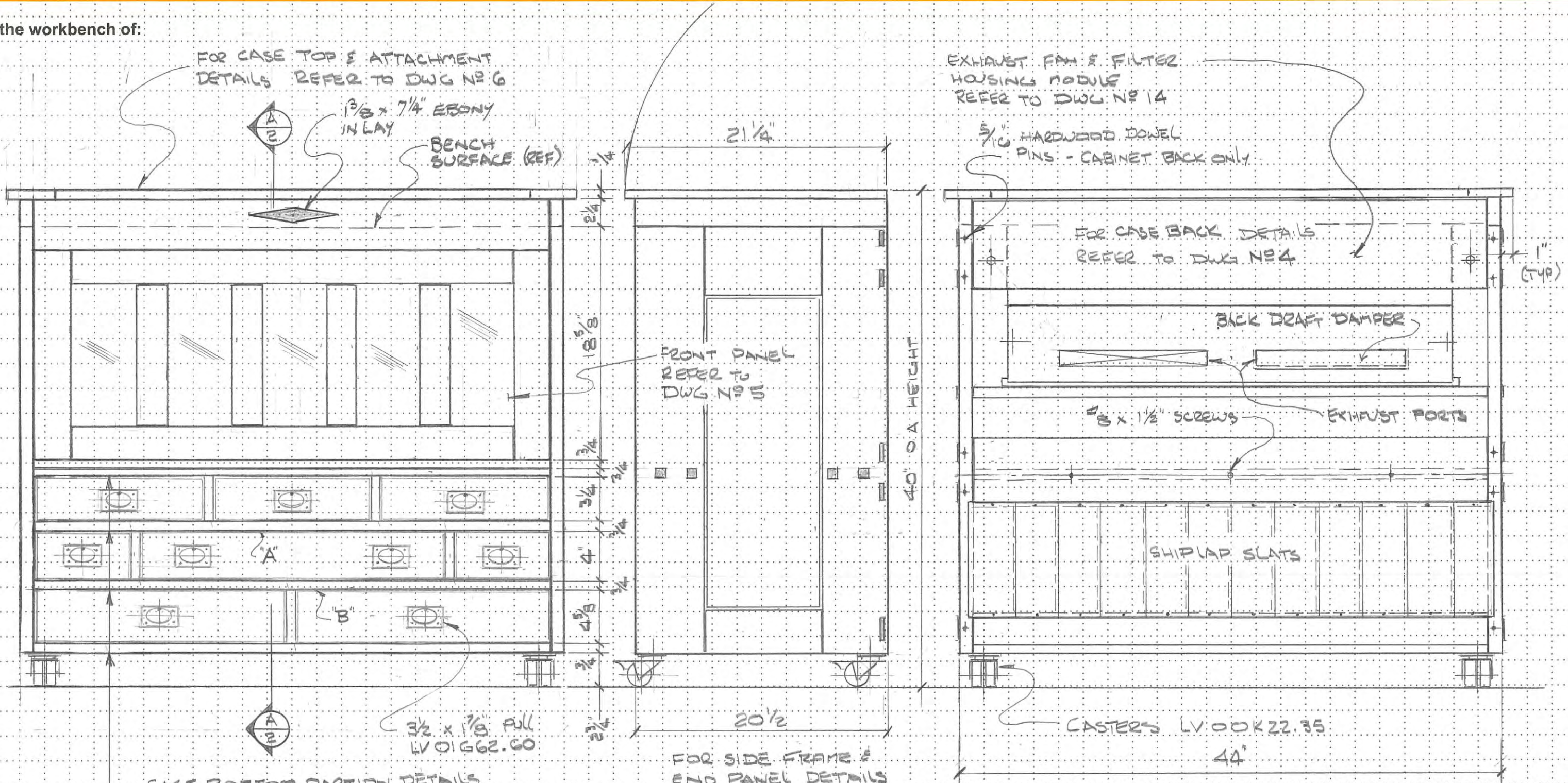
CONDO HOBBY BENCH

COVER SHEET AS BUILT  
MARCH 2019



From the workbench of:

Date:



CASE BOTTOM PARTITION DETAILS REFER TO DWG NO 10

DRAWER PARTITION "B" REFER TO DWG NO 9

DRAWER PARTITION "A" REFER TO DWG NO 8

TOP PARTITION - REFER TO DWG NO 7

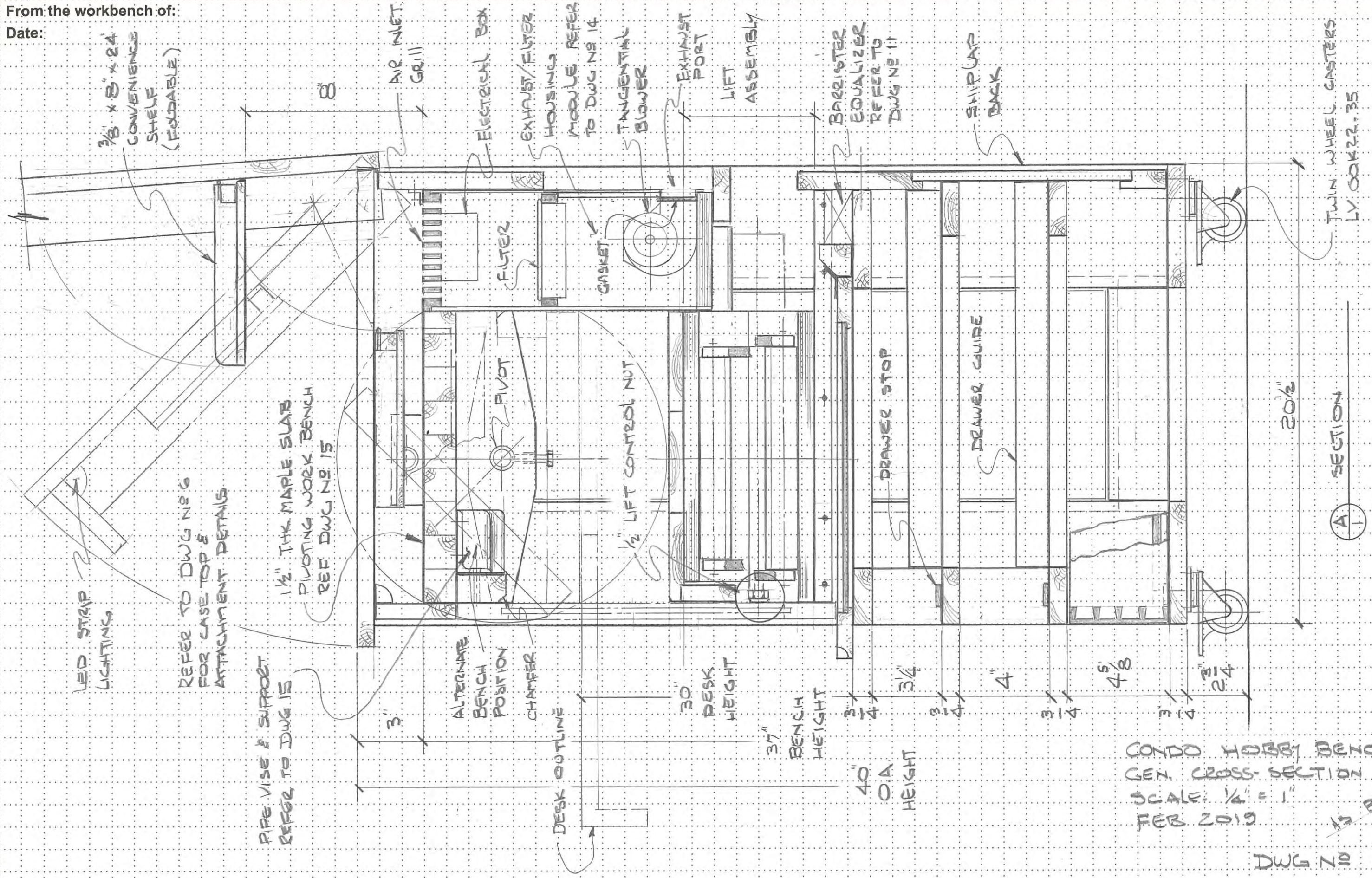
CONDO HOBBY BENCH  
BENCH CASE ELEVATIONS  
SCALE  $\frac{1}{8}$ " = 1"  
FEB 2019

AS BUILT

DWG NO 1



From the workbench of:  
Date:



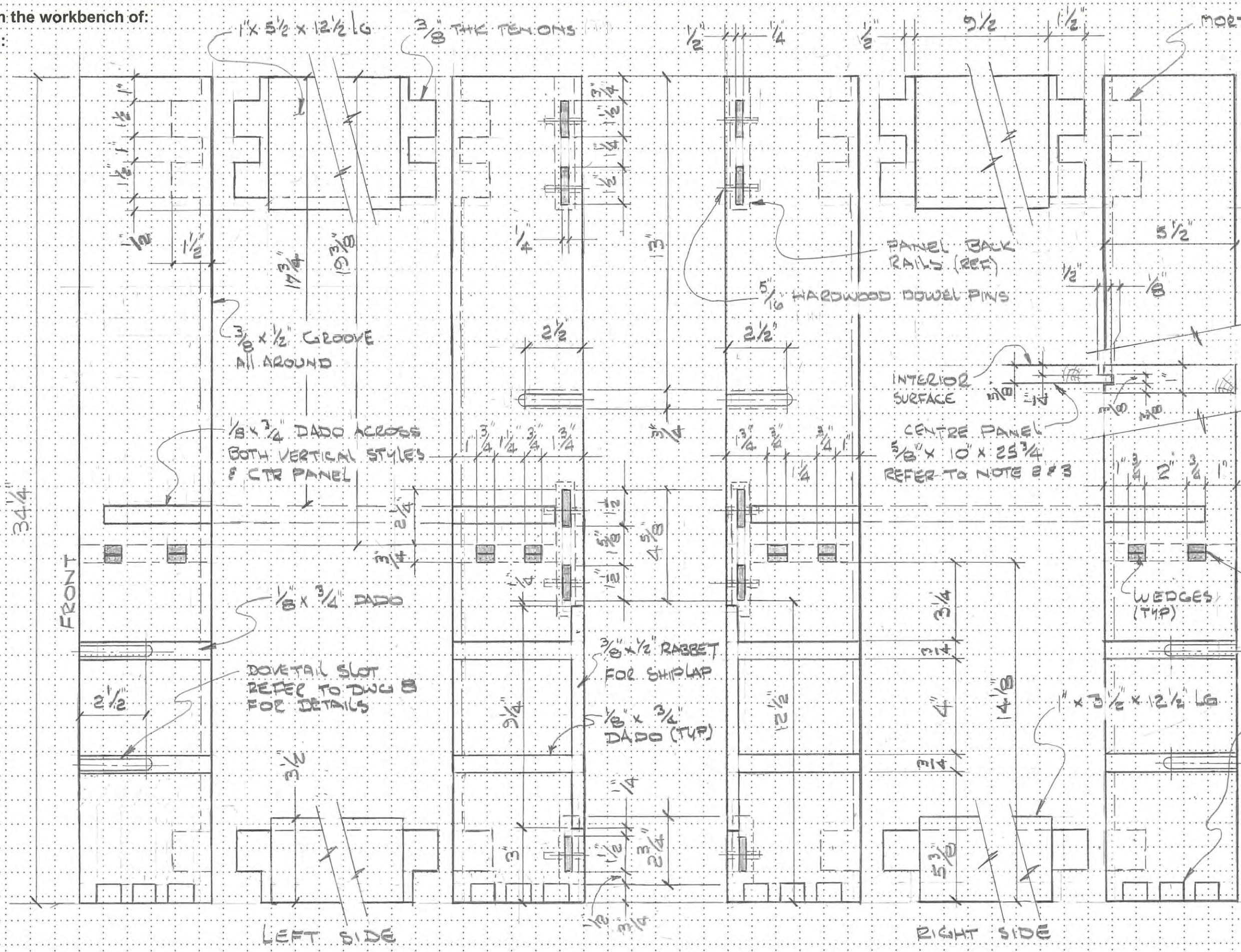
COYDO HOBBY BENCH  
GEN. CROSS-SECTION  
SCALE: 1/4" = 1"  
FEB 2019

DWG 710 2



From the workbench of:

Date:



NOTES:

- 1) WOOD SPECIES - QTR SAWN WHITE OAK
- 2) TO ACCOMMODATE WOOD MOVEMENT THRU MOISTURE CONTENT (MC) VARIATIONS ACROSS SEASONS USE LEE VALLEY WOOD MOVEMENT GUIDE LV 50R24.01
- 3) CALCULATION:  
 - MOVEMENT VALUE 0.0018  
 - BOARD WIDTH 10"  
 - MC FLUCTUATION 6%  
 - ADD 25% SAFETY MARGIN  
 ∴ MOVEMENT = 0.0018 x 10" x 6% (+25%) = 0.1350 (1/8")
- 4) GLUE - LEE VALLEY'S CABINET MAKERS GLUE LV 2002 GF (IE TO 20 MIN OPEN TIME)

DOVETAILS REFER TO DWG 10 FOR DETAILS

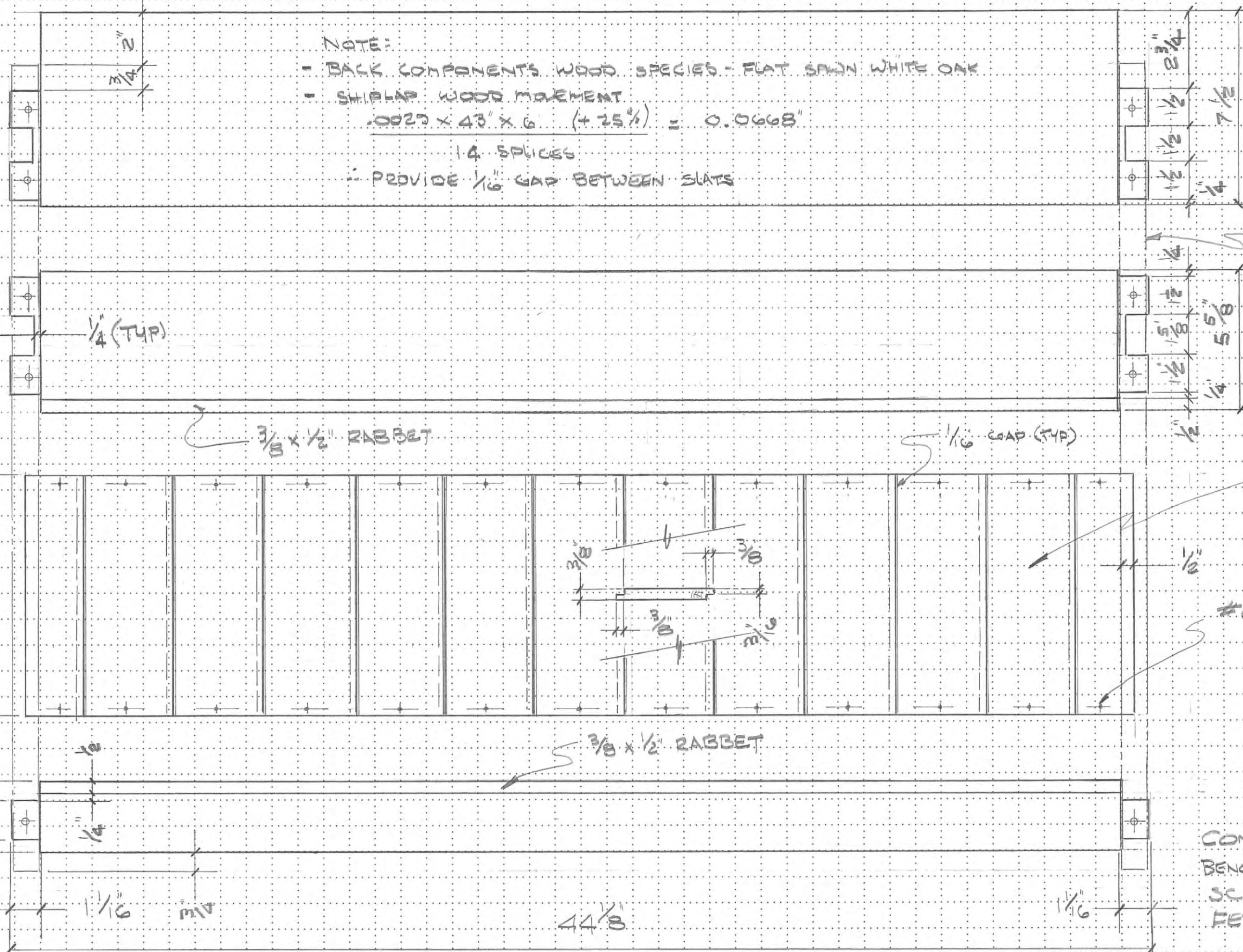
CONDO LOBBY BENCH SIDE FRAME & CTD PANEL DETAILS SCALE 1/2" = 1" FEB 2019 AS BUILT

DWG No 3



From the workbench of:

Date:



NOTE:  
 - BACK COMPONENTS WOOD SPECIES - FLAT GRN WHITE OAK  
 - SLATS WOOD MOVEMENT  
 $0.0023 \times 43 \times 6 (+25\%) = 0.0668"$   
 14 SPLICES  
 ∴ PROVIDE 1/16" GAP BETWEEN SLATS

CABINET END PANEL (REF)

BACK SHIPLAP SLATS - RANDOM "YELLOW POPLAR"

#6 SCREWS

CONDO HOBBY BENCH  
 BENCH CASE BACK DETAILS  
 SCALE 1/4" = 1"  
 FEB 2019

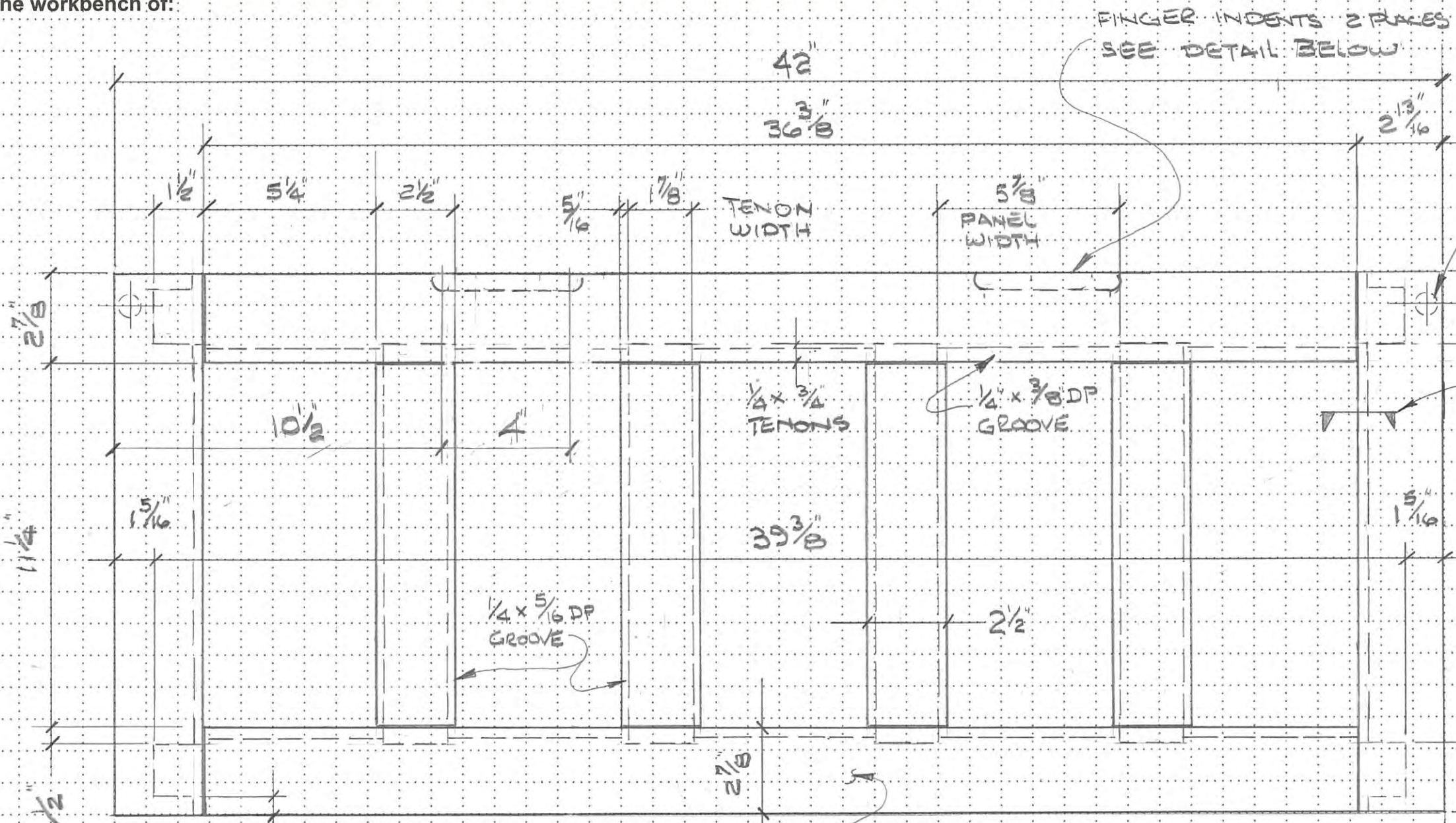
AS BUILT

DWG No 4



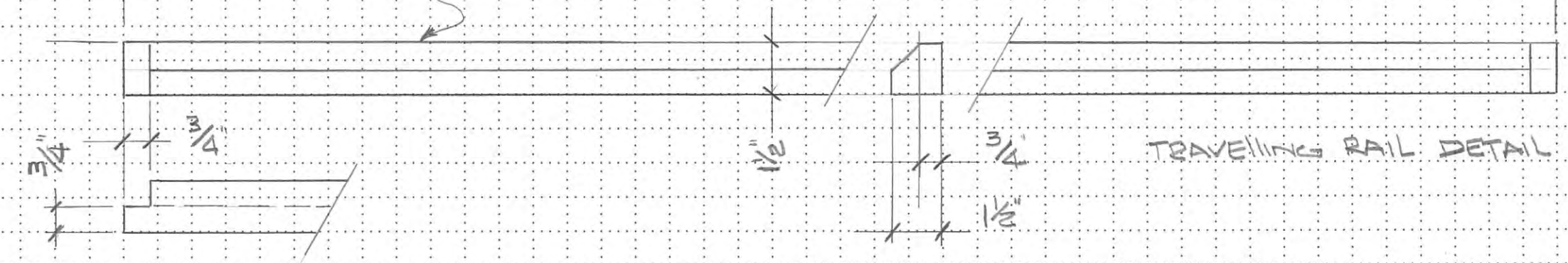
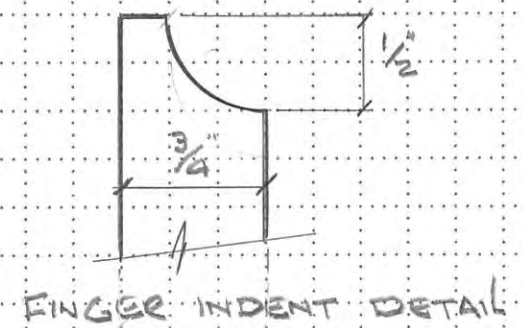
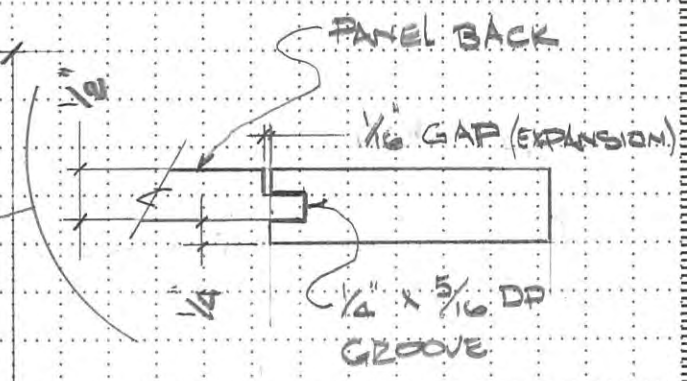
From the workbench of:

Date:



FINGER INDENTS 2 PLACES  
SEE DETAIL BELOW

3/4" CUPPED MAGNETIC SET  
LV 99 K39.05  
2 REQ'D



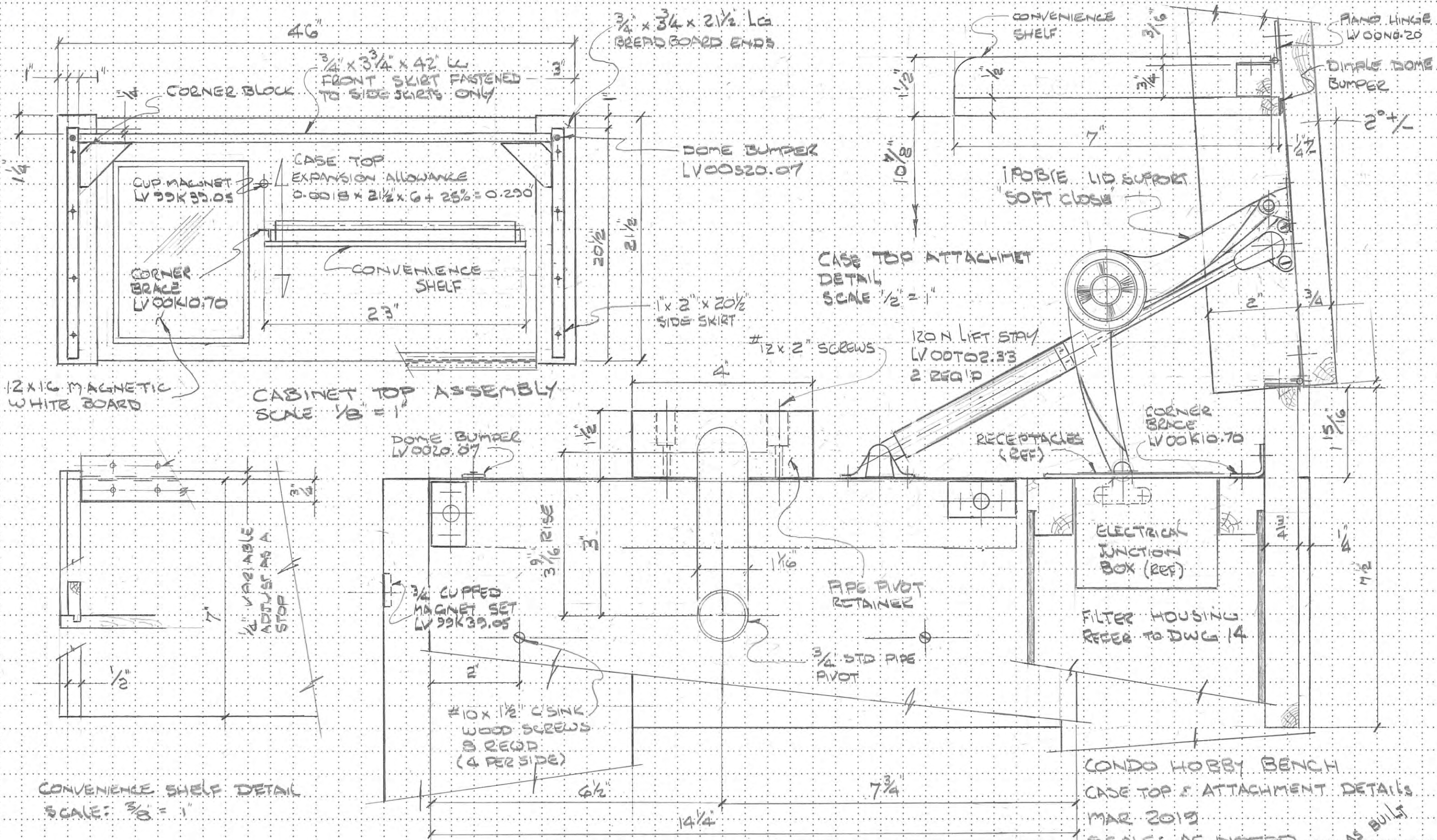
- NOTE:
- 1/8" EXPANSION ALLOWANCE PROVIDED TOTAL IN 5 PANELS
  - PANELS & PARTITIONS TO FLOAT "NO GLUE"

CONDO HOBBY BENCH  
 CASE FRONT PANEL DETAIL  
 SCALE 1/4" = 1"  
 MARCH 2019  
 DWG NO. 5



From the workbench of:

Date:



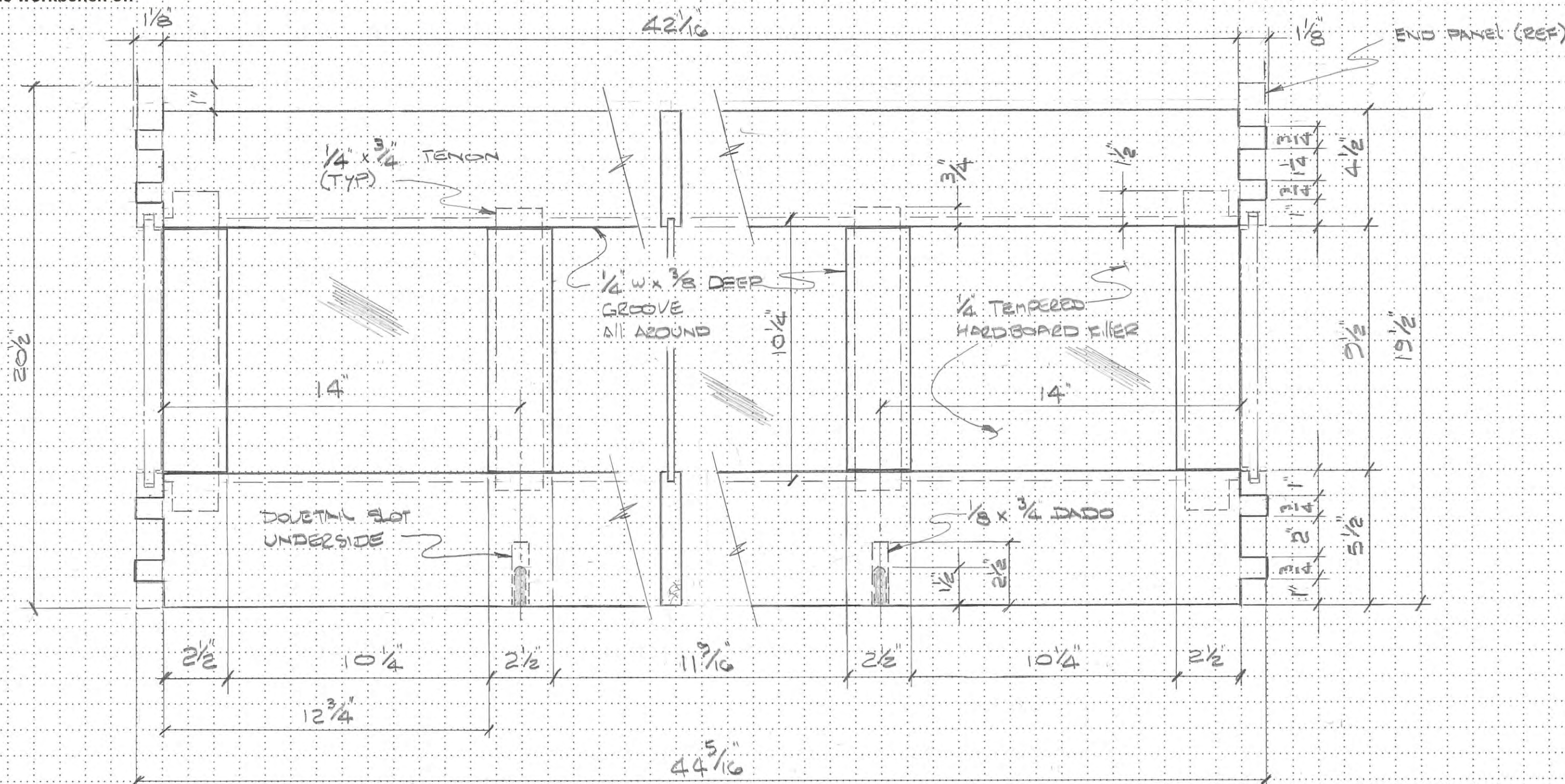
CABINET TOP ASSEMBLY  
SCALE 1/8" = 1"

CONDO HOBBY BENCH  
CASE TOP & ATTACHMENT DETAILS  
MAR 2013  
SCALE: AS NOTED AS BUILT  
DWG No. 6



From the workbench of:

Date:



- REFER TO DWG NO 8 FOR ADDITIONAL DETAILS
- MATERIAL - FLAT SAWN WHITE OAK

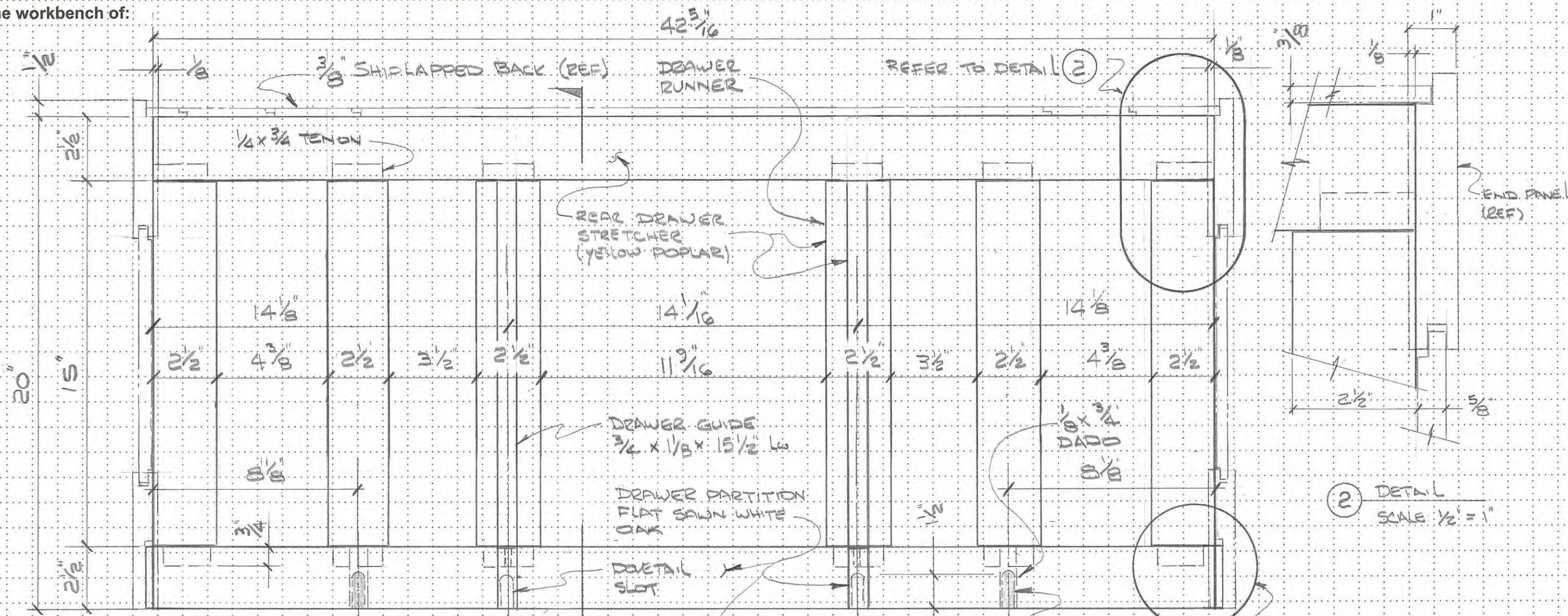
CONDO HOBBY BENCH  
 TOP DRAWER PARTITION DETAILS  
 SCALE 1/4" = 1"  
 FEB 2019

AS BUILT  
 DWG NO 7

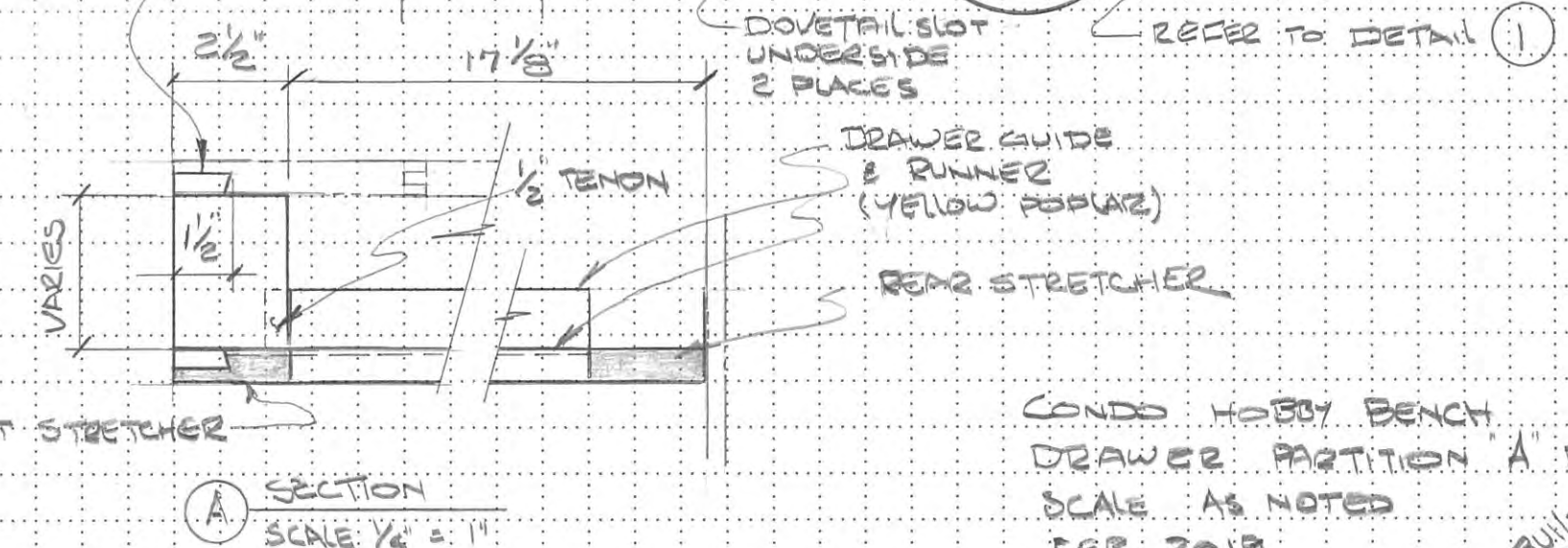
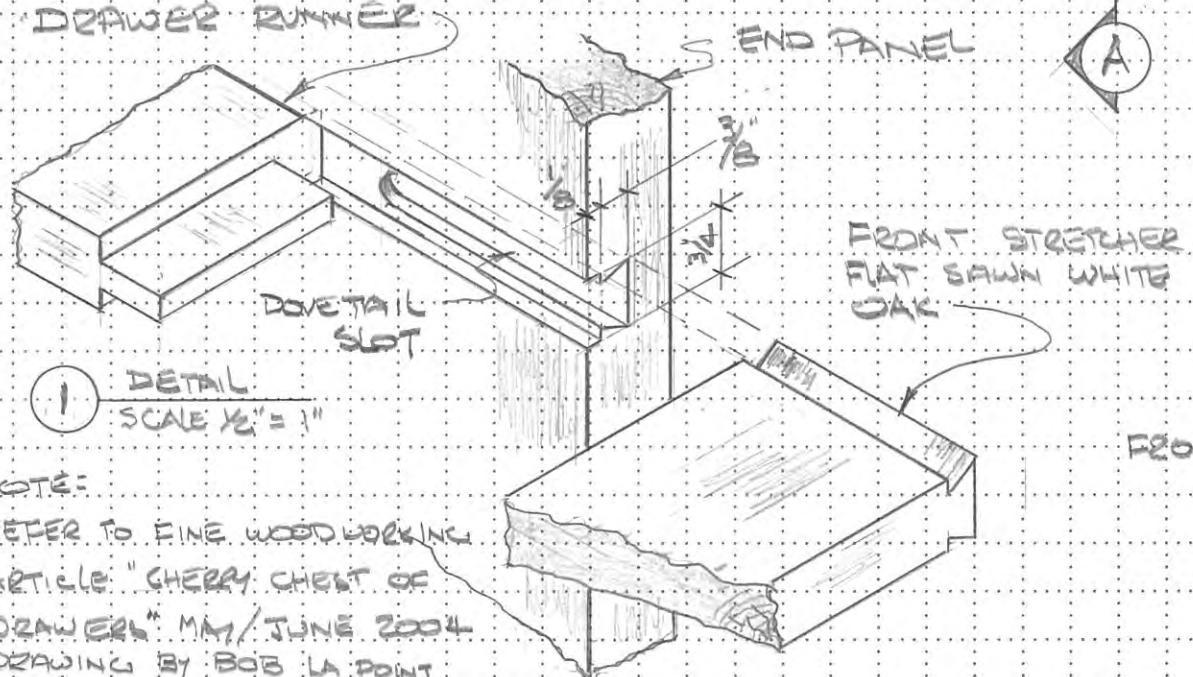


From the workbench of:

Date:



(2) DETAIL SCALE 1/2" = 1"



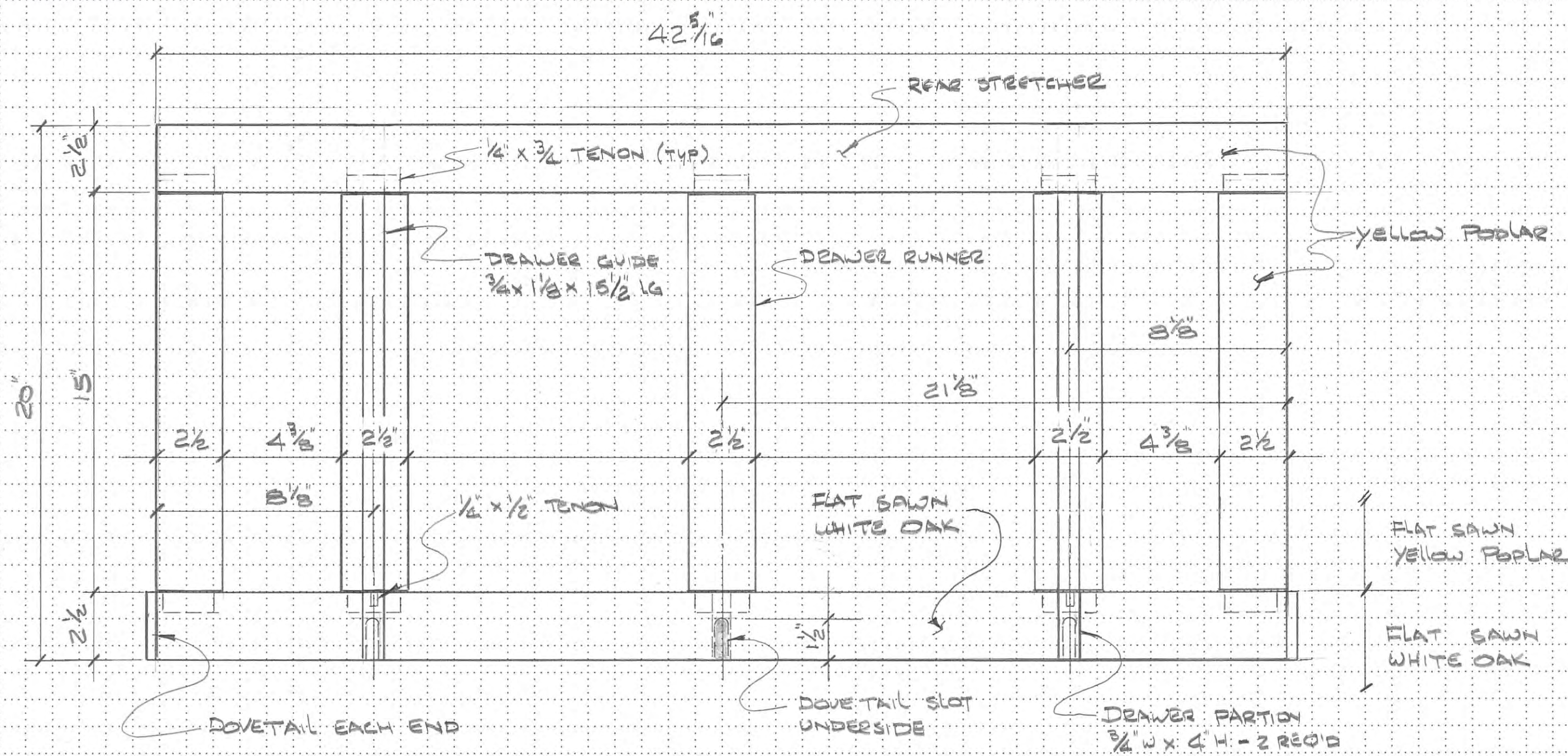
NOTE:  
REFER TO FINE WOODWORKING  
ARTICLE "CHERRY CHEST OF  
DRAWERS" MAY/JUNE 2004  
DRAWING BY BOB LA PONT

CONDO HOBBY BENCH  
DRAWER PARTITION "A" DETAILS  
SCALE AS NOTED  
FEB 2019

AS BUILT  
DWG NO 8



From the workbench of:  
Date:



NOTE:  
REFER TO DWG NO. 8 FOR ADDITIONAL DETAILS

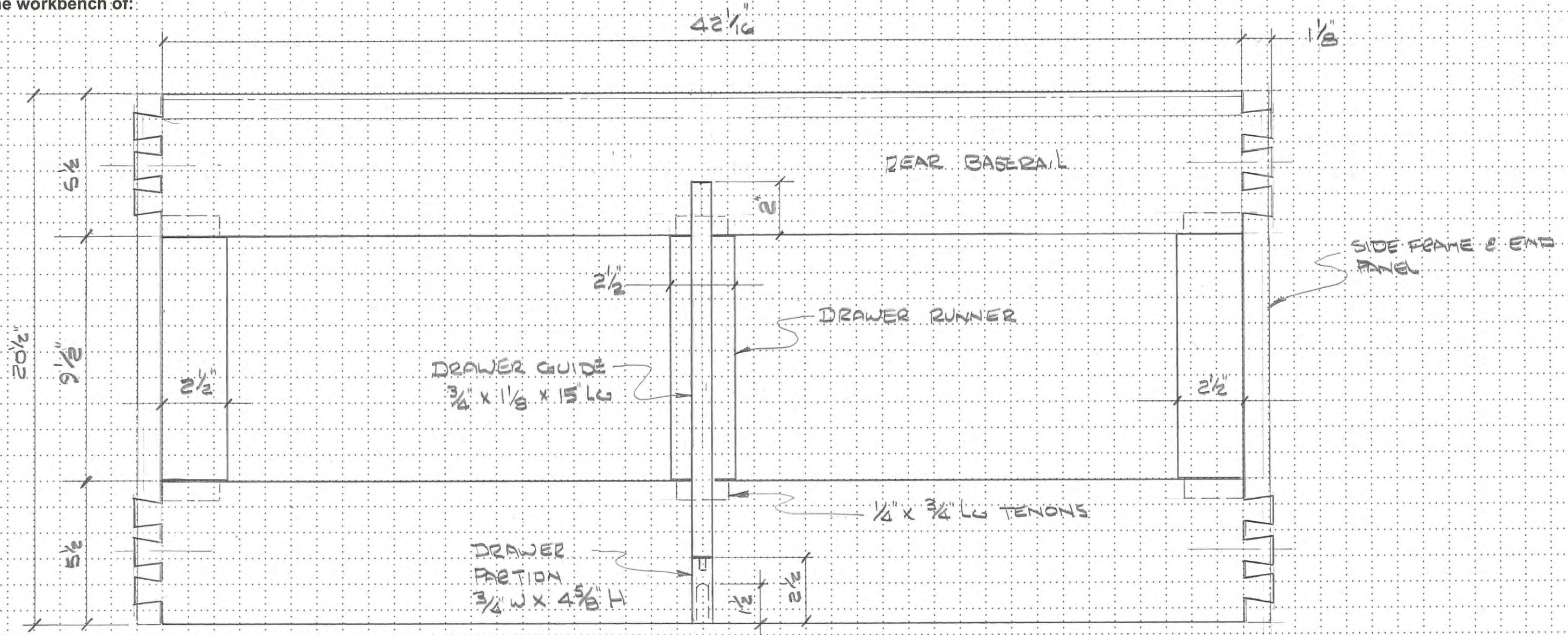
CONDO HOBBY BENCH  
DRAWER PARTITION "B" DETAILS  
SCALE: 1/8" = 1"  
FEB 2019

DWG NO 9

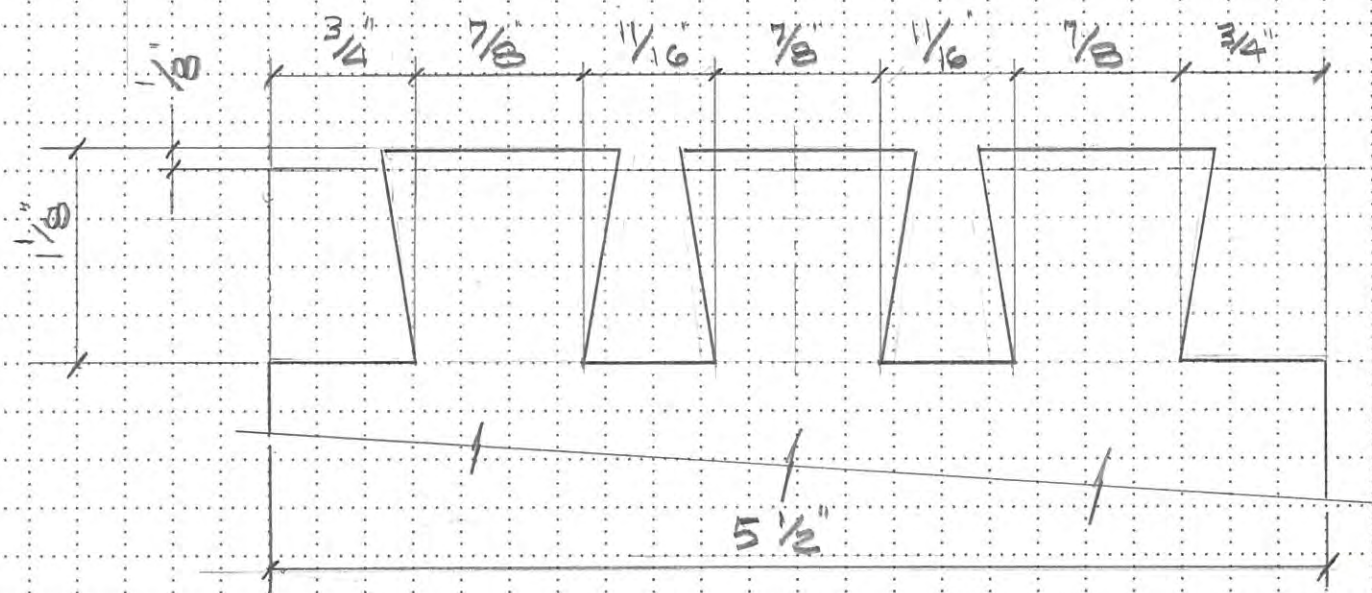


From the workbench of:

Date:



- PARTITION BASE MATERIAL: FLAT SAWN WHITE OAK  
 - REFER TO DWG No 8 FOR ADDITIONAL DETAILS



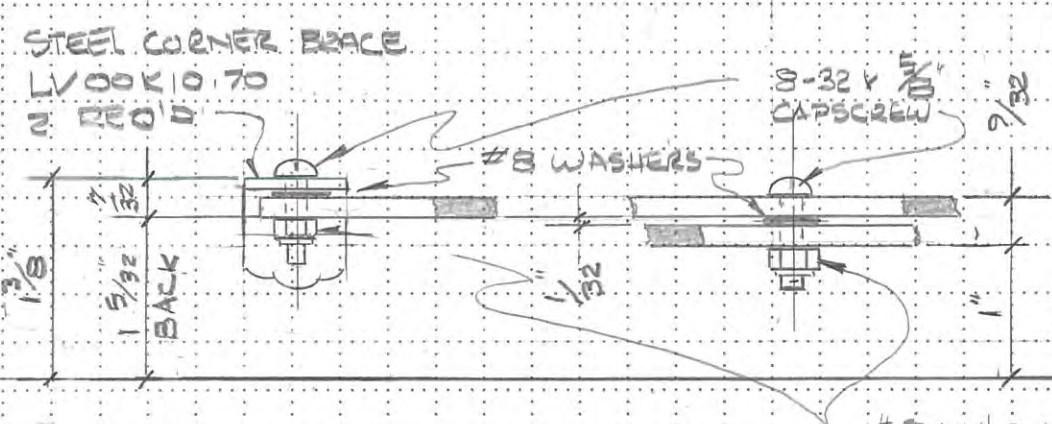
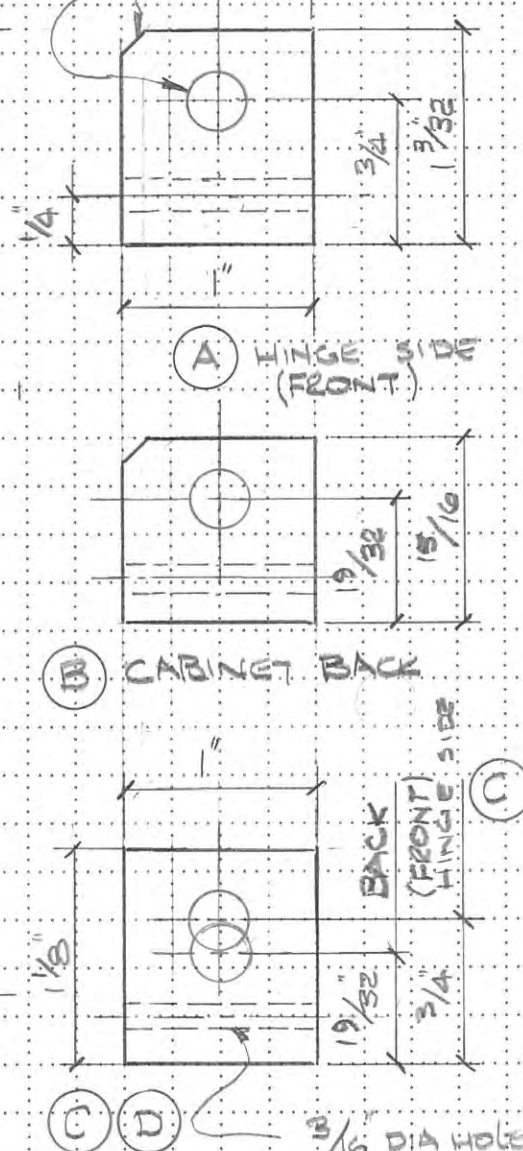
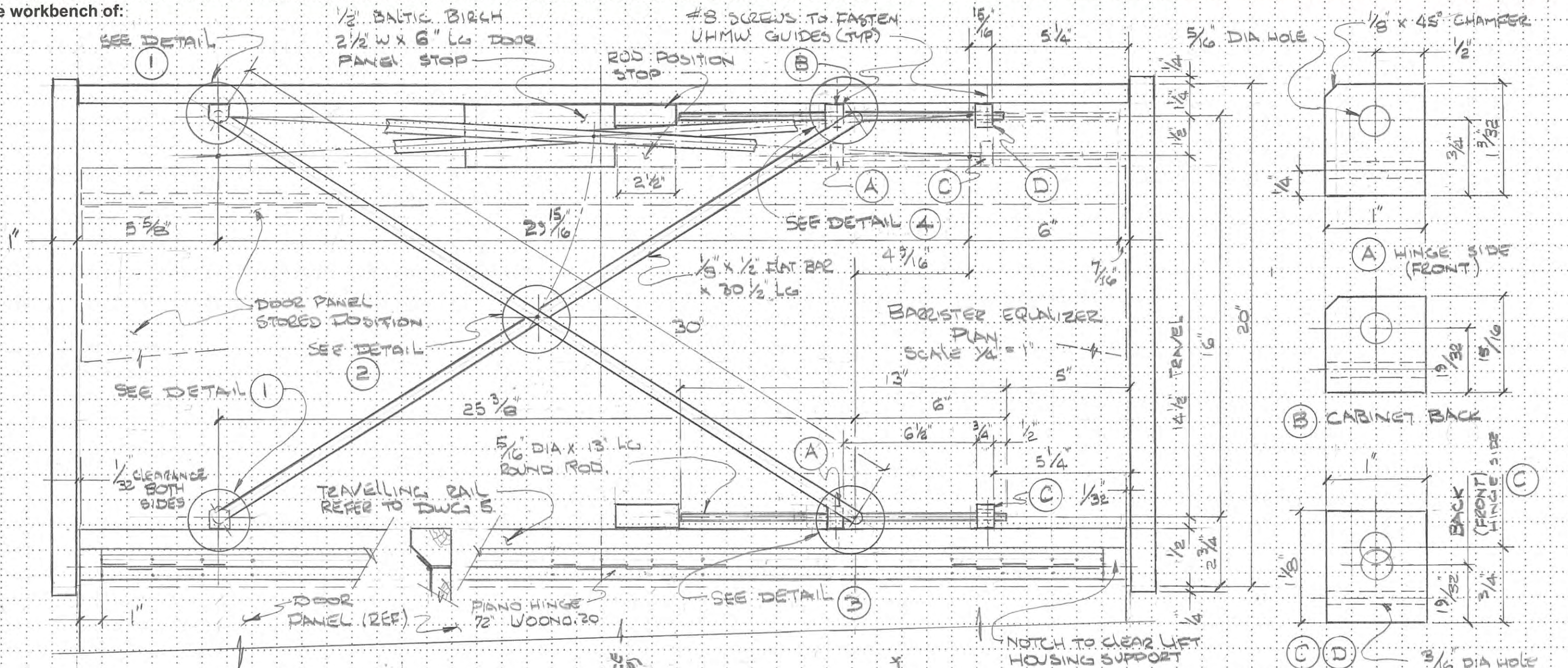
CONDO HOBBY BENCH  
 CASE BOTTOM DETAILS  
 SCALE 1/4" = 1" UNO  
 FEB 2012

AS BUILT  
 DWG No 10

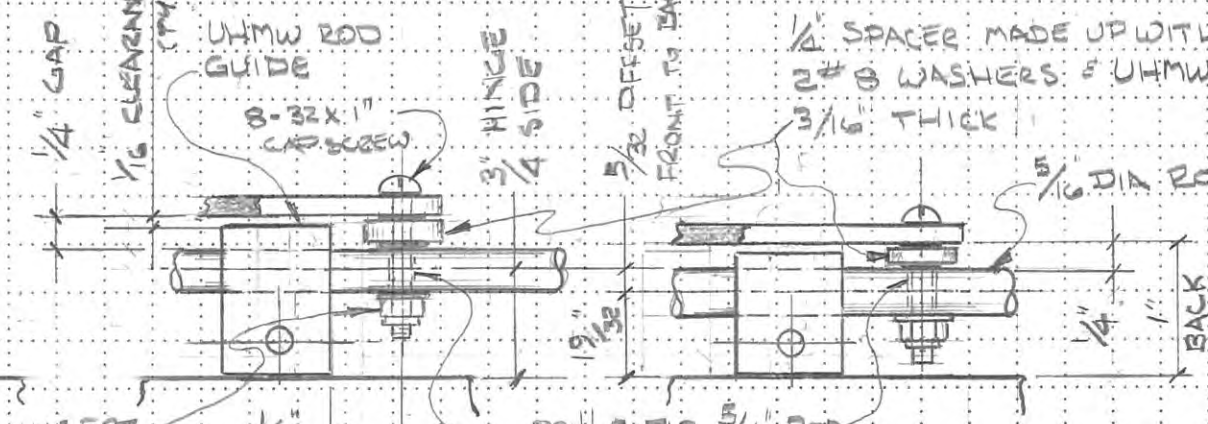


From the workbench of:

Date:

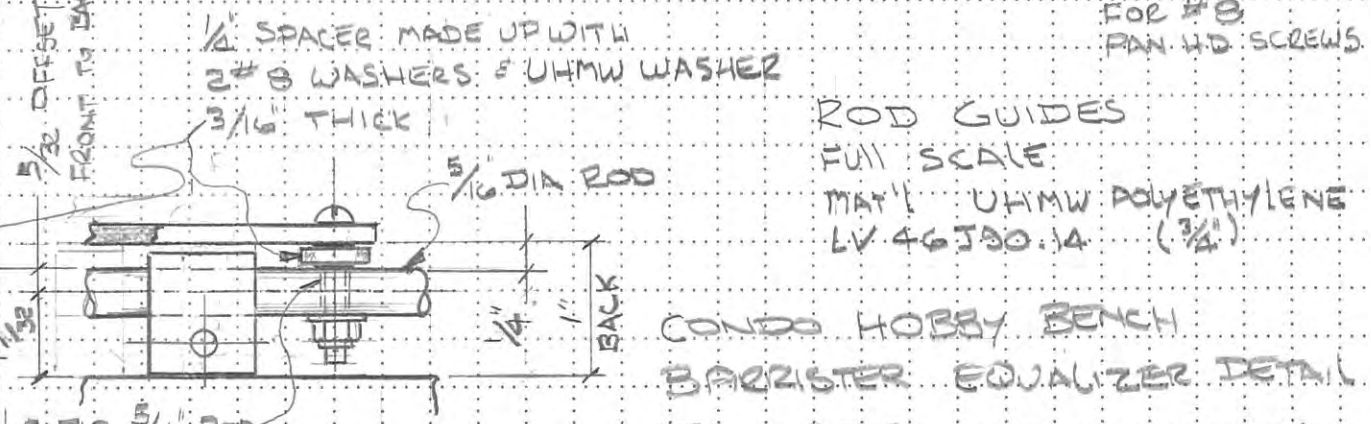


1 DETAIL (BACK)  
3/4" = 1"



2 DETAIL  
3/4" = 1"  
MID POINT

3 DETAIL (FRONT)  
3/4" = 1"



4 DETAIL (BACK)  
3/4" = 1"

ROD GUIDES  
FULL SCALE  
MATERIAL UHMW POLYETHYLENE  
LV 46J30.14 (3/4")

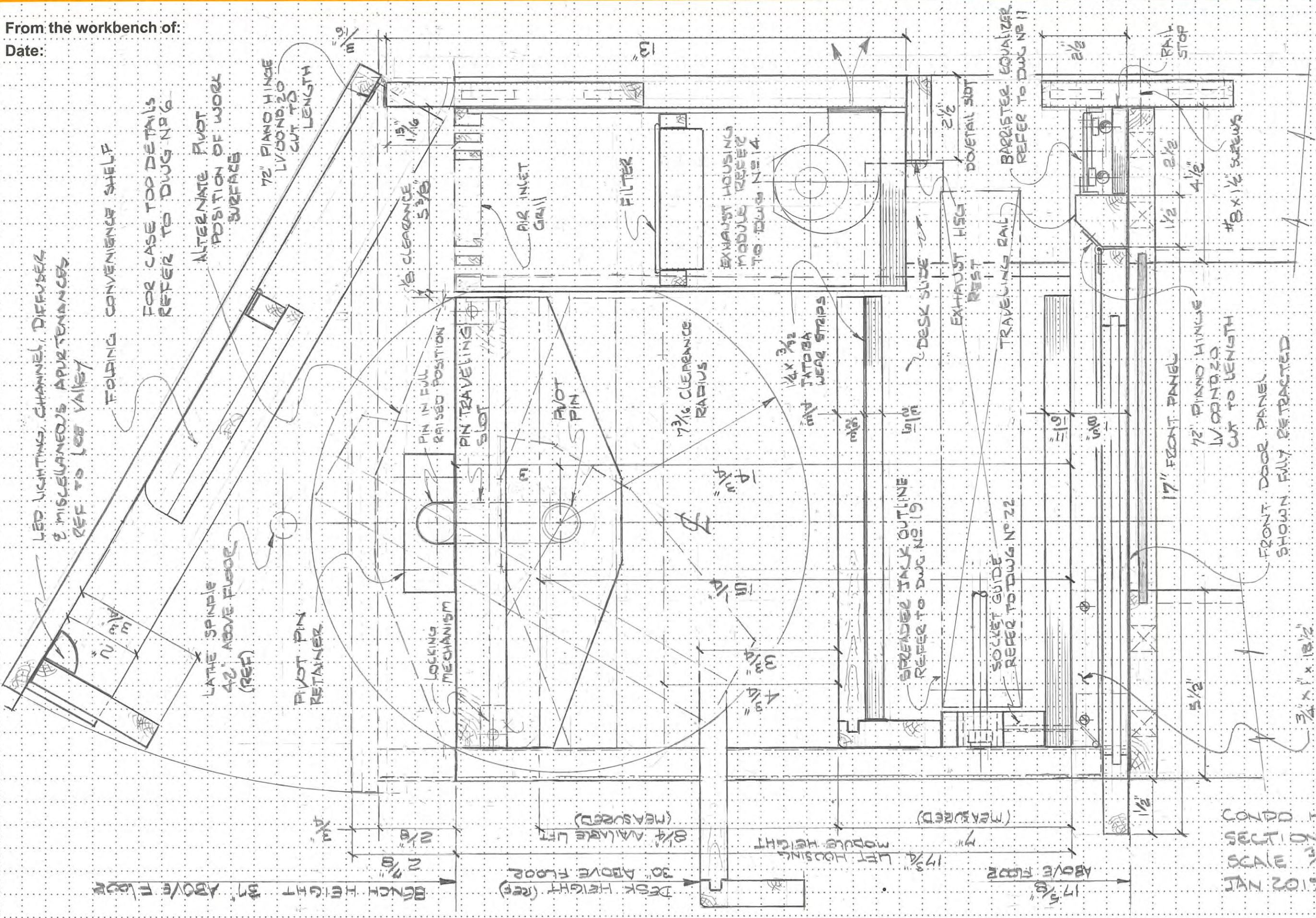
CONDO HOBBY BENCH  
BARISTER EQUALIZER DETAIL  
JUN 2019  
SCALE AS NOTED

AS BUILT

DWG NO: 11



From the workbench of:  
Date:



1 1/2" BENCH HEIGHT (REF)  
 17 3/8" ABOVE FLOOR  
 7" (MEASURED) LIFT HOUSING  
 8 1/4" AVAILABLE LIFT (MEASURED)  
 2 1/8"  
 2 1/8"  
 1 1/2"

37" ABOVE FLOOR BENCH HEIGHT  
 30" ABOVE FLOOR (REF) DESK HEIGHT  
 17 3/8" LIFT HOUSING (MEASURED)

DWG NO 12

LED LIGHTING CHANNEL DIFFUSERS  
 & MISCELLANEOUS APERTURES  
 REF TO JOB VALLEY

FOLDING CONVENIENCE SHELF

FOR CASE TOP DETAILS REFER TO DWG NO 6

ALTERNATE PIVOT POSITION OF WORK SURFACE

72" PIANO HINGE LV00NO.20 CUT TO LENGTH

LATHE SPINDLE 42" ABOVE FLOOR (REF)

PIVOT PIN RETAINER

LOCKING MECHANISM

PIN IN FULL RAISED POSITION

PIN TRAVELING SLOT

PIVOT PIN

7 3/8" CLEARANCE RADIUS

1/2" X 3/4" TATTOO WEAR STRIPS

SPREADER JACK OUTLINE REFER TO DWG NO 19

SOCKET GUIDE REFER TO DWG NO 22

EXHAUST REST

TRAVELING RAIL

DOVETAIL SLOT

BARRIESTER EQUALIZER REFER TO DWG NO 11

17" FRONT PANEL  
72" PIANO HINGE LV00NO.20 CUT TO LENGTH

FRONT DOOR PANEL SHOWN FULLY RETRACTED

3/4" X 1 1/2" LIFT HOUSING SUPPORT

#8 X 1 1/2" SCREWS

RAIL STOP

EXHAUST HOUSING MODULE REFER TO DWG NO 14

FILTER

AIR INLET GRILL

5/8" CLEARANCE

1 1/8"

13"

2 1/2"

1 1/2"

2 1/2"

4 1/2"

5 1/2"

1 1/2"

1 1/2"

1 1/2"

1 1/2"

1 1/2"

1 1/2"

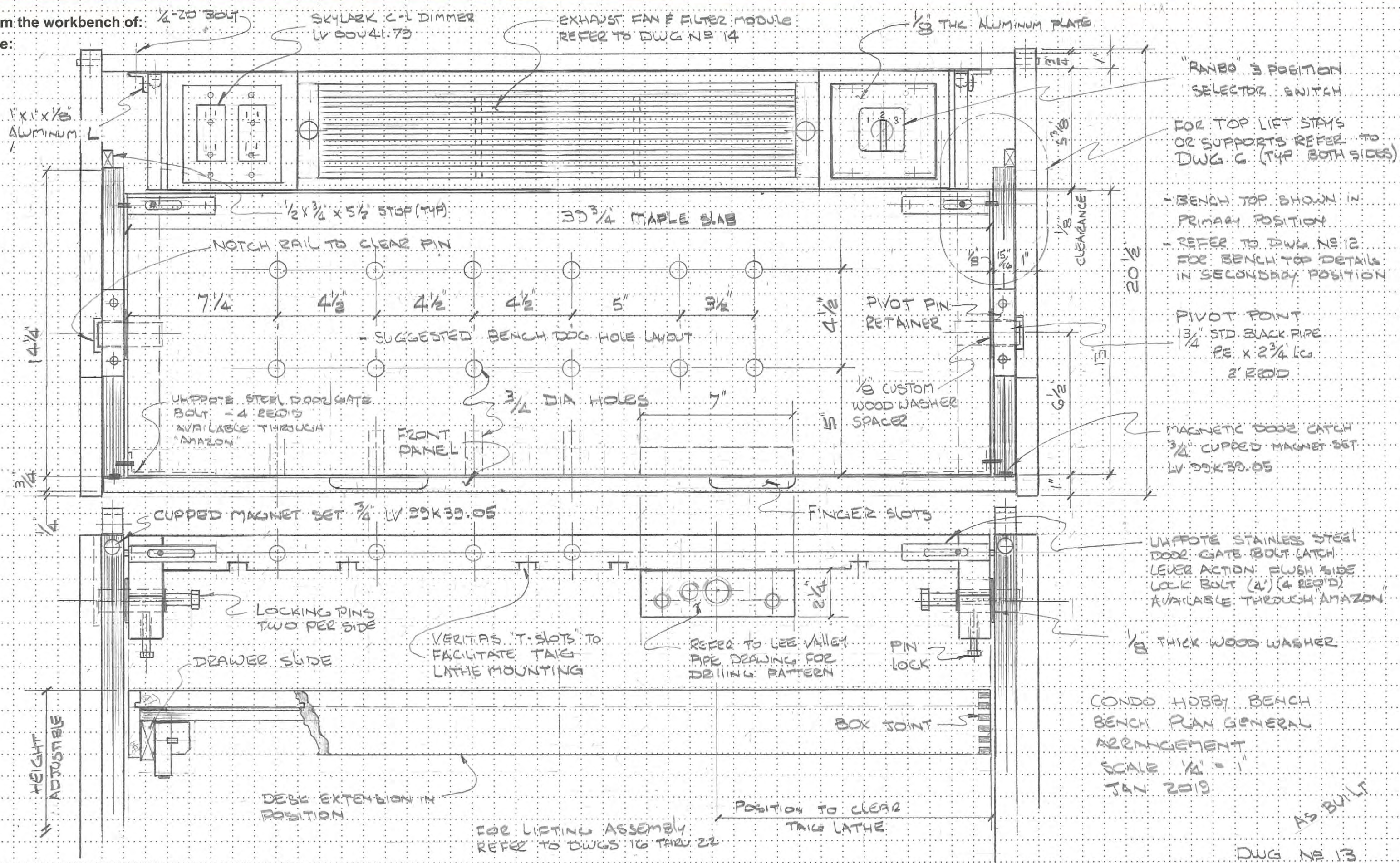
1 1/2"

1 1/2"

1 1/2"



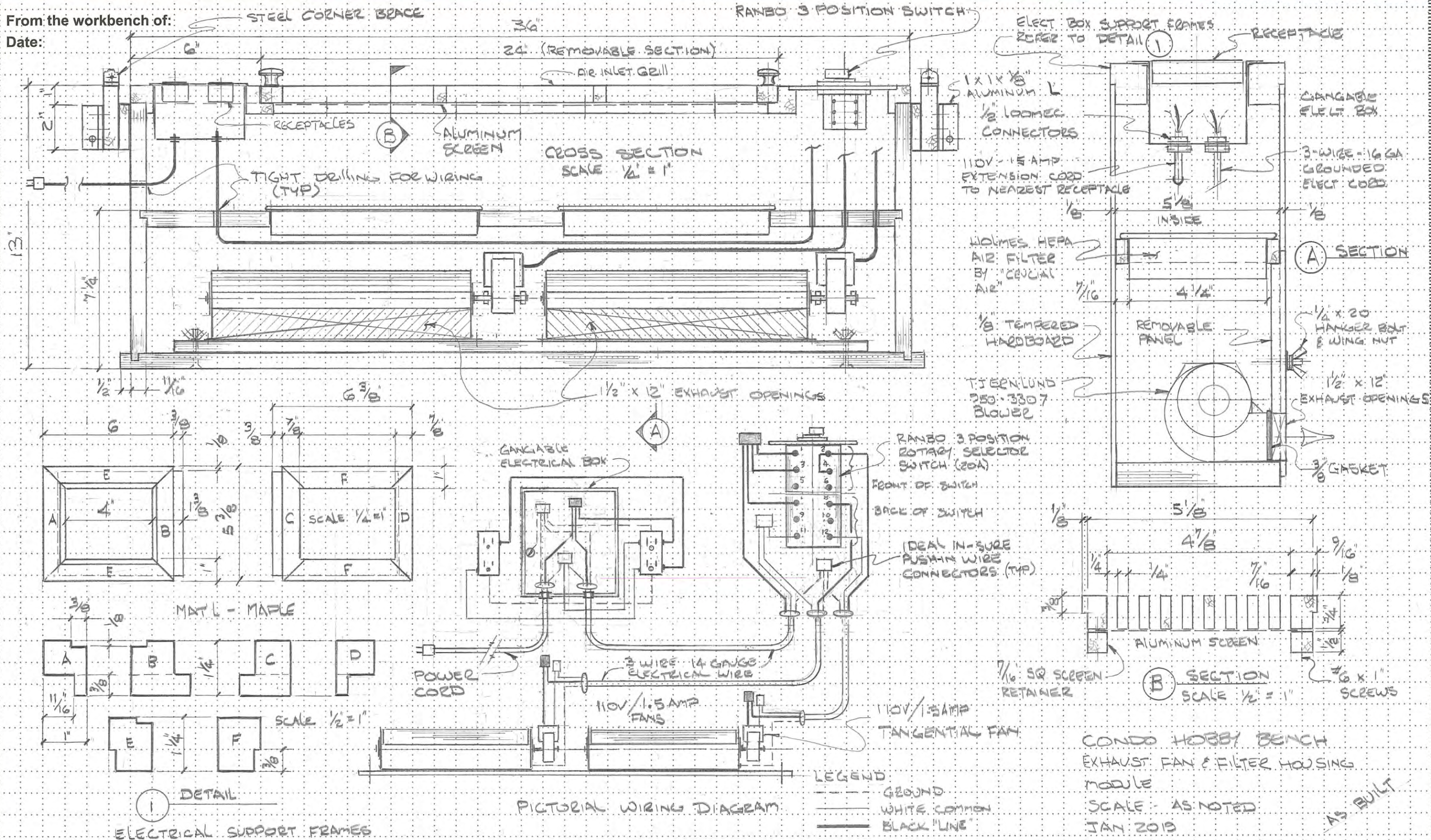
From the workbench of: \_\_\_\_\_  
Date: \_\_\_\_\_





From the workbench of:

Date:



CROSS SECTION SCALE 1/4" = 1"

A SECTION

C SCALE 1/4" = 1"

E SCALE 1/2" = 1"

B SECTION SCALE 1/2" = 1"

PICTORIAL WIRING DIAGRAM

LEGEND

- GROUND
- WHITE COMMON
- BLACK "LINE"

CONDO HOBBY BENCH  
 EXHAUST FAN & FILTER HOUSING  
 MODULE  
 SCALE - AS NOTED  
 JAN 2019

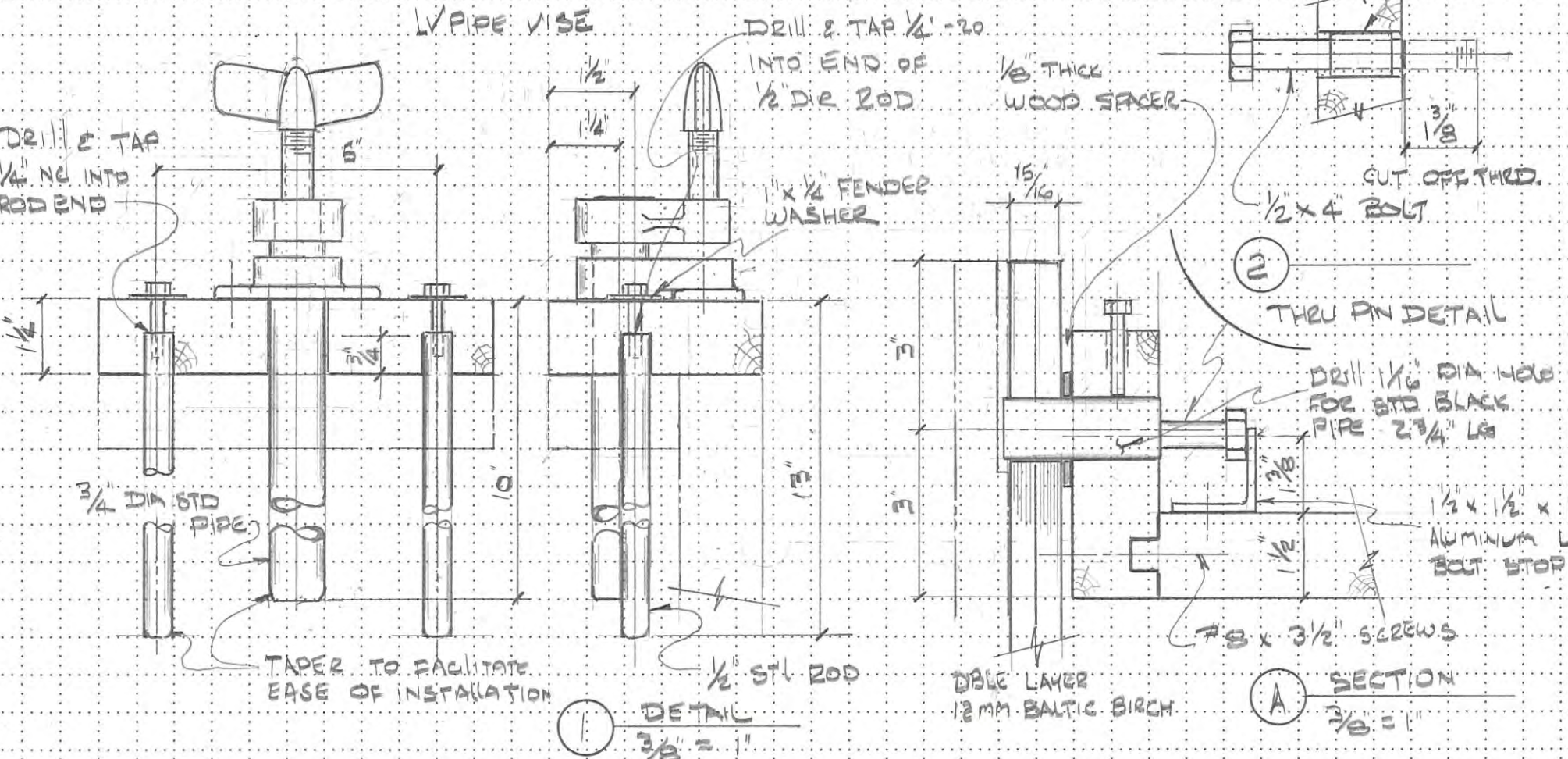
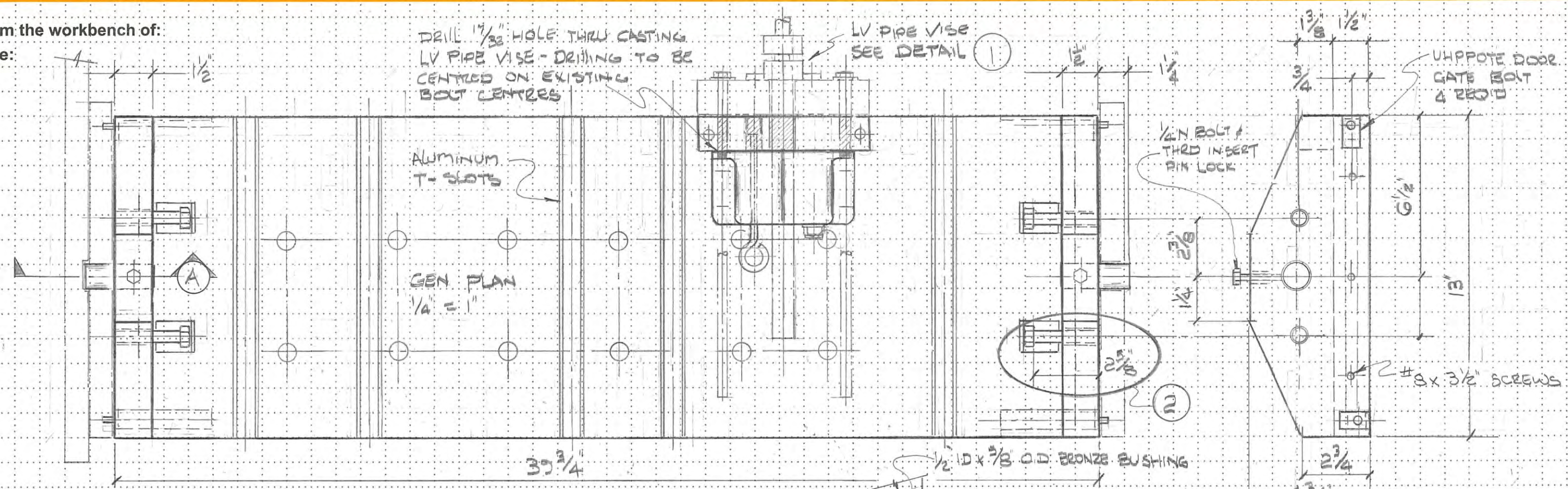
DWG. NO. 14

AS BUILT



From the workbench of:

Date:



NOTES

- WORK THIS DRAWING IN CONJUNCTION WITH DWG 13
- DOUBLE T-SLOTS SHOWN TO BE POSITIONED TO SUPPORT HOBBY EQUIPMENT WHEN BENCH IS IN THE INVERTED POSITION. T-SLOTS PROVIDE FLEXIBILITY IN THE BACK TO FRONT POSITIONING TO MAINTAIN THE CENTER OF GRAVITY & EASE OF ROTATING THE BENCH TOP BETWEEN PRIMARY & SECONDARY POSITIONS.
- PIPE VISE POSITION BASED ON CLEARANCES WITH TAIG LATHE OR OTHER EQUIPMENT FASTENED IN PLACE.

CONDO HOBBY BENCH  
ROTATING WORK BENCH DETAIL  
SCALE: AS NOTED  
JAN 2019

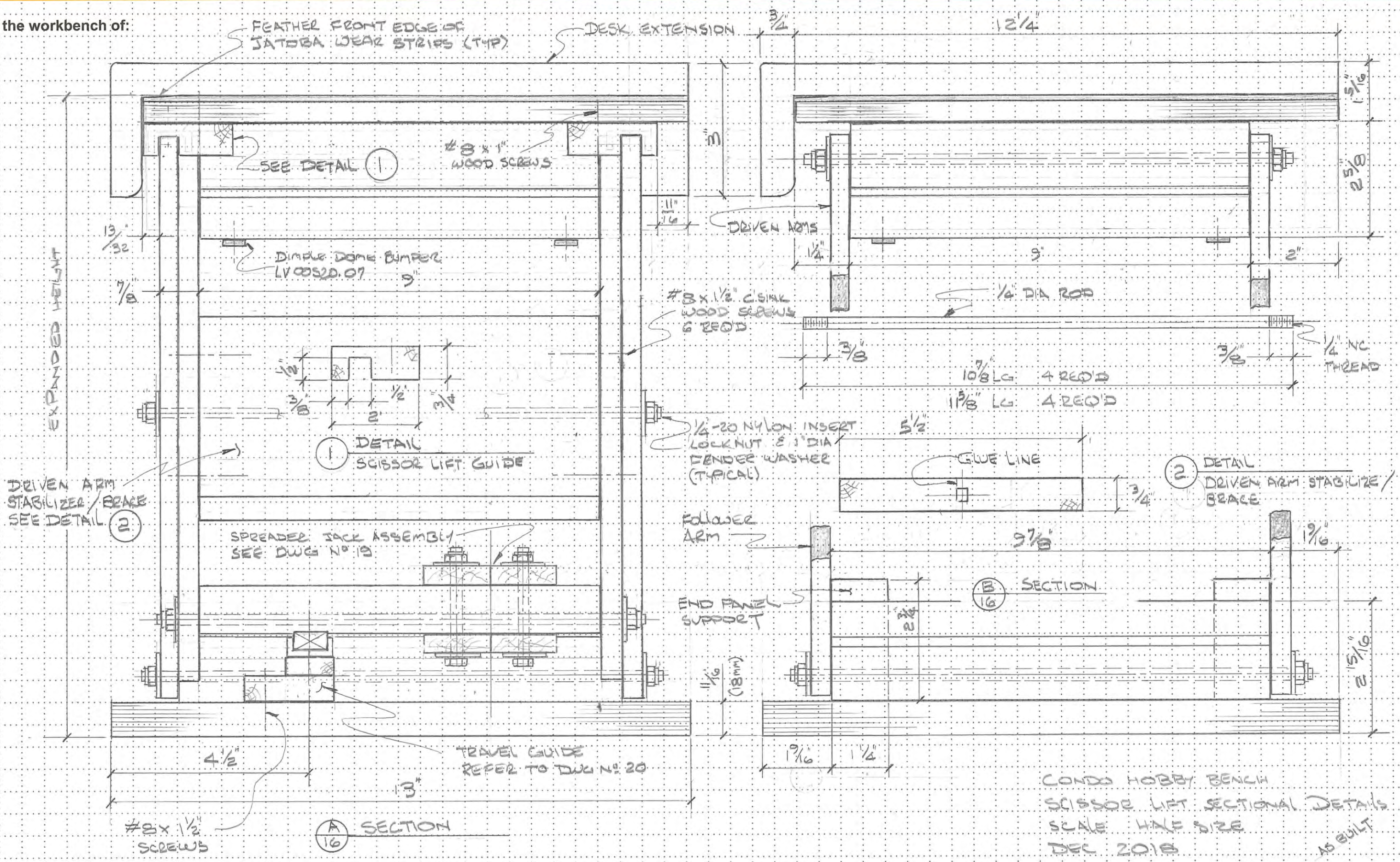
DWG NO. 15







From the workbench of:  
Date:



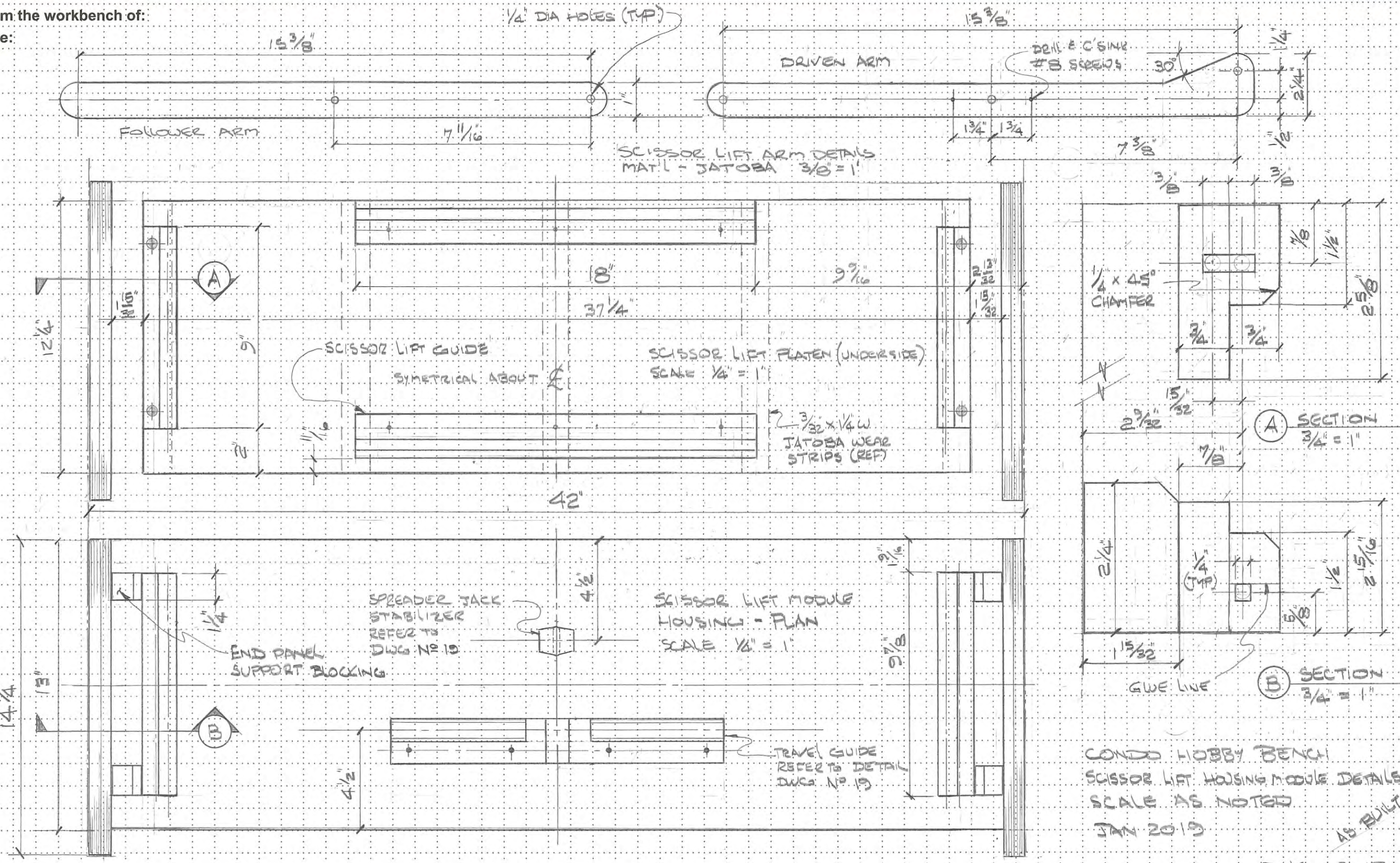
CONDOS HOBBY BENCH  
SCISSOR LIFT SECTIONAL DETAILS  
SCALE 1/4" = 1"  
DEC 2018

DWG No 17 AS BUILT



From the workbench of:

Date:



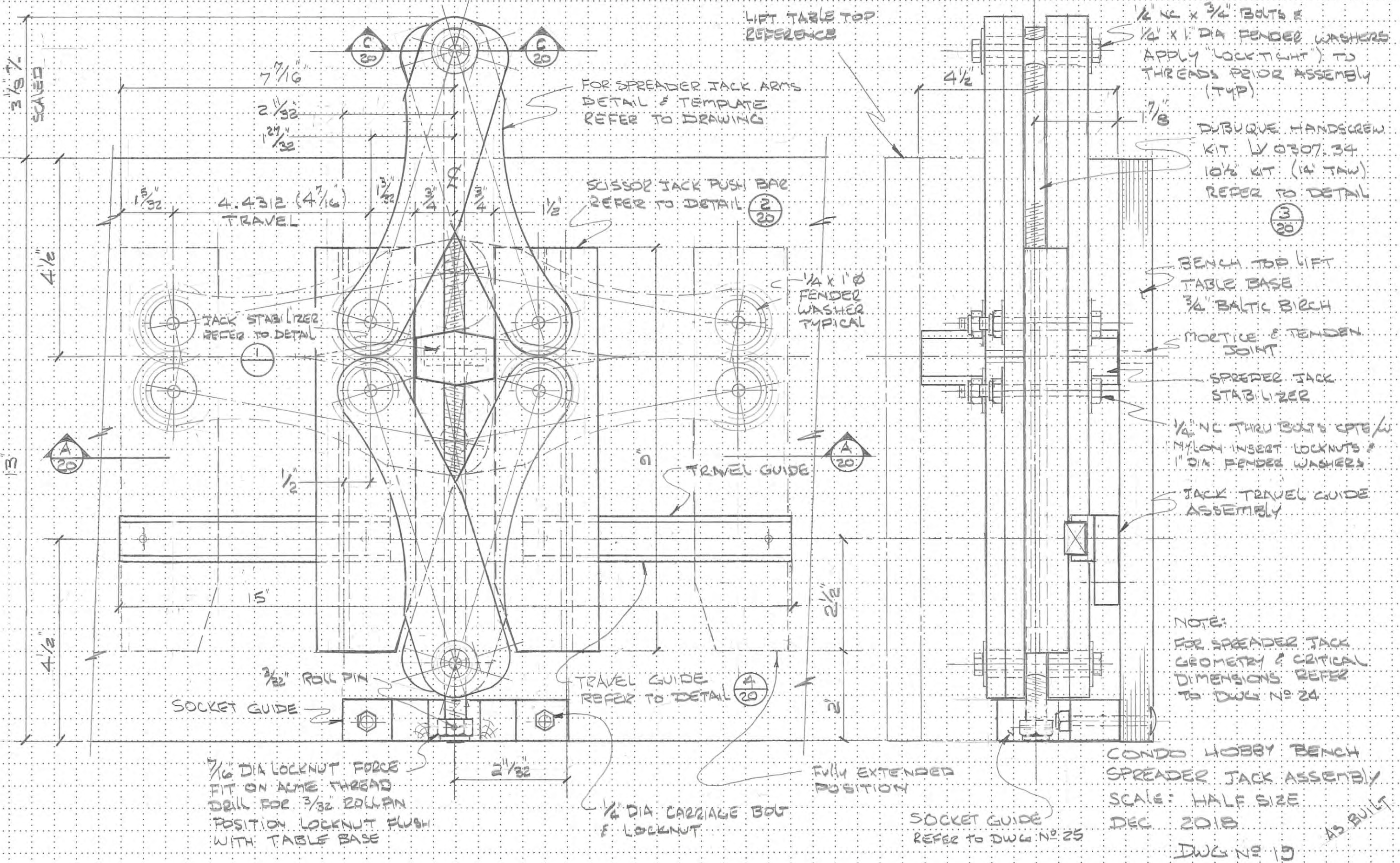
CONDO HOBBY BENCH  
SCISSOR LIFT HOUSING MODULE DETAILS  
SCALE AS NOTED  
JAN 2019  
AS BUILT

DWG. NO. 18



From the workbench of:

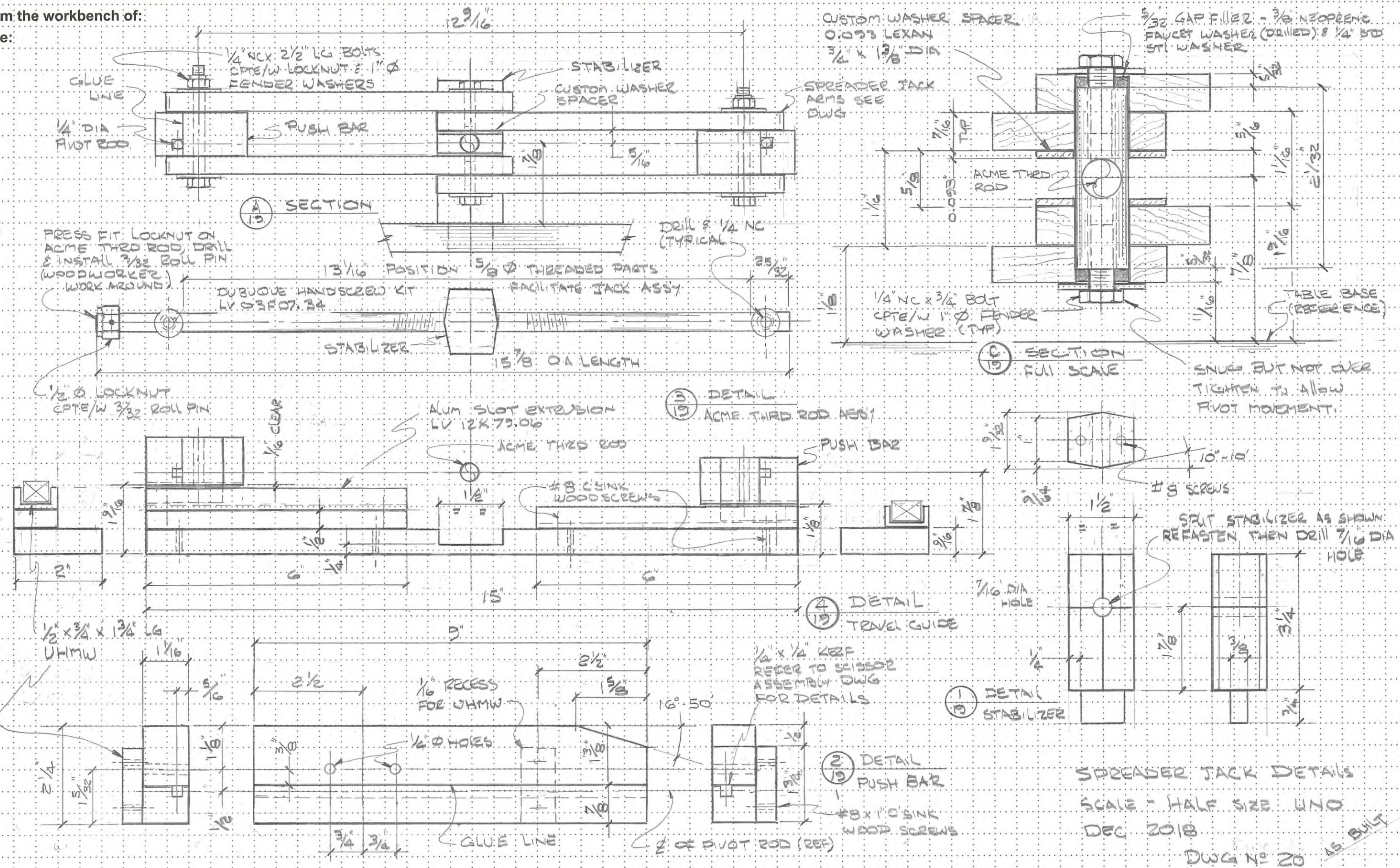
Date:





From the workbench of:

Date:

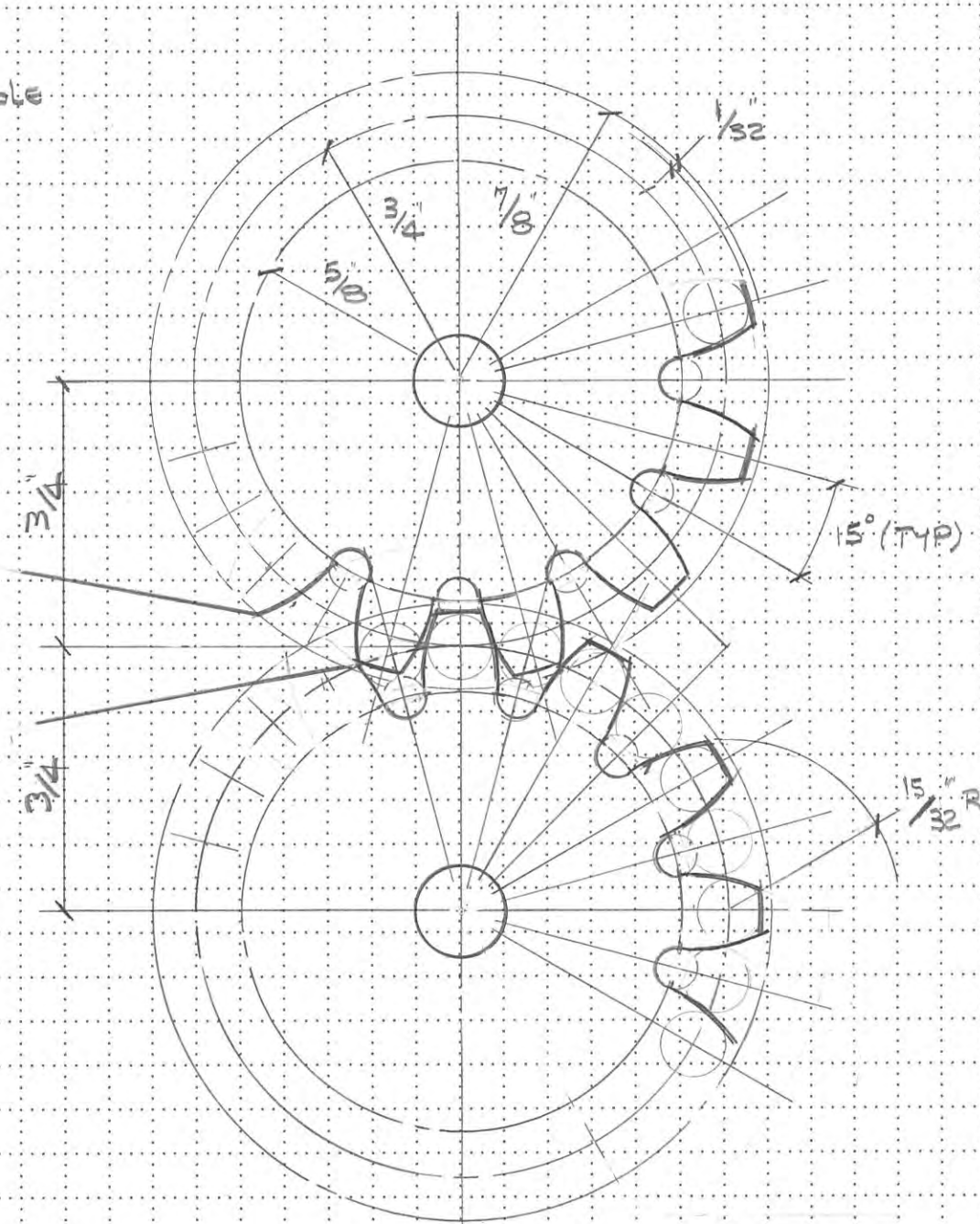
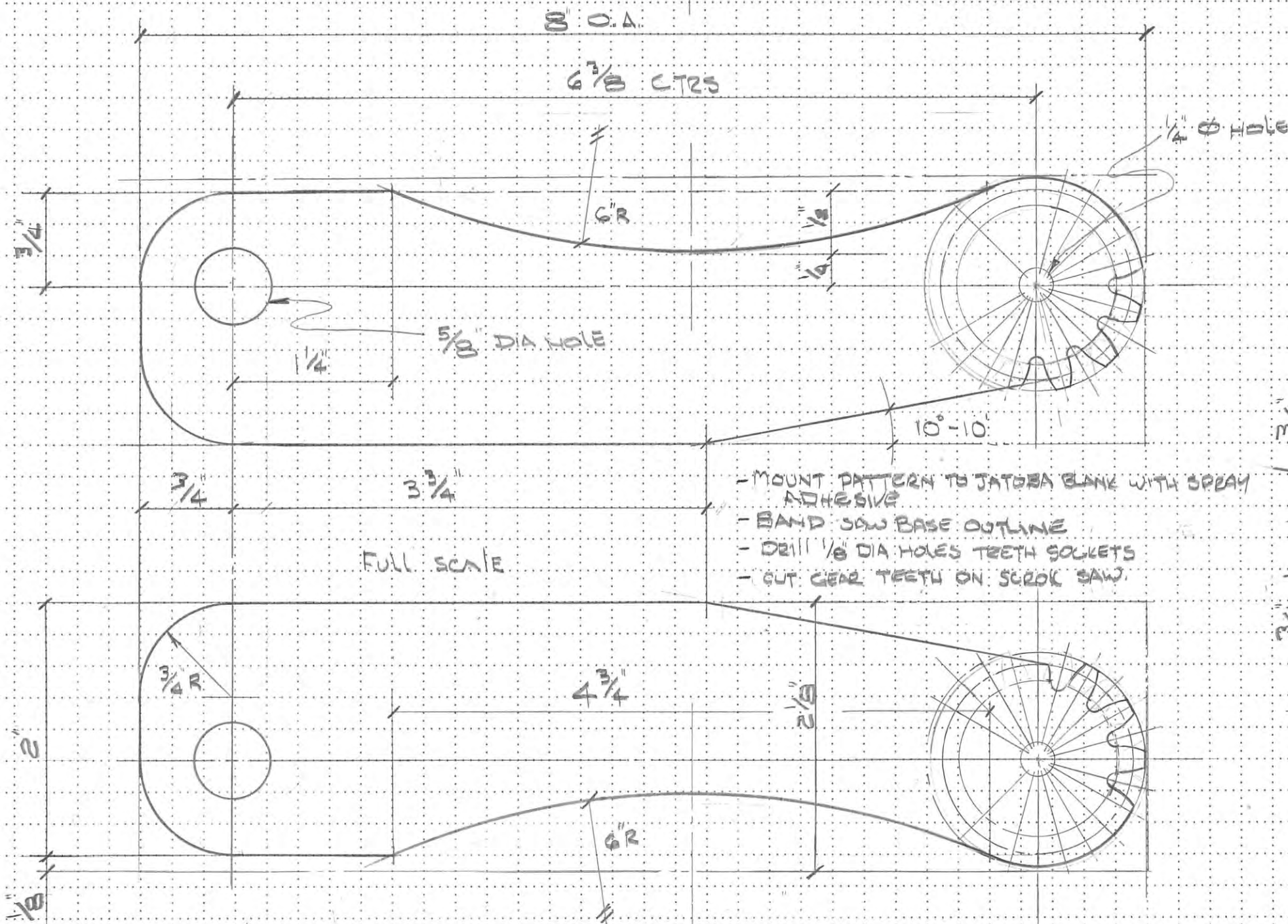


SPREADER JACK DETAILS  
 SCALE - HALF SIZE UNO  
 DEC 2018  
 DWG No 20 AS BUILT



From the workbench of:

Date:



GENERAL NOTES

- SELECTED HARDWOOD FOR SPREADER JACK COMPONENT, "JATOBA" (BRAZILIAN CHERRY) DUE TO INTERLOCKING GRAIN DENSITY & HARDNESS.
- TEST FIT & FILE GEARS TO ENSURE SMOOTH OPERATION.
- COAT GEARS, HOLES & WEAR SURFACES WITH CYANOACRYLATE
- APPLY NATURAL WAX FINISH

CONDO LOBBY BENCH  
SPREADER JACK ARM TEMPLATES  
SCALE AS NOTED  
DEC 2018

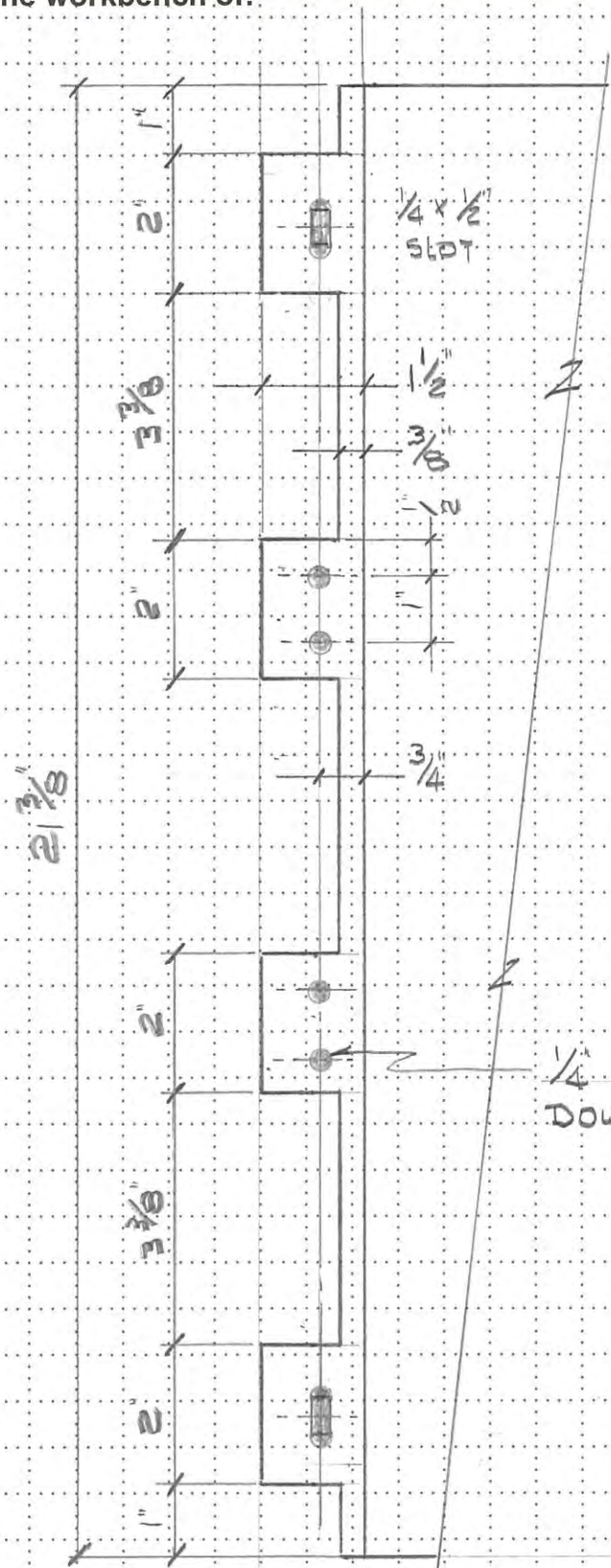
DWG NO 21

AS BUILT

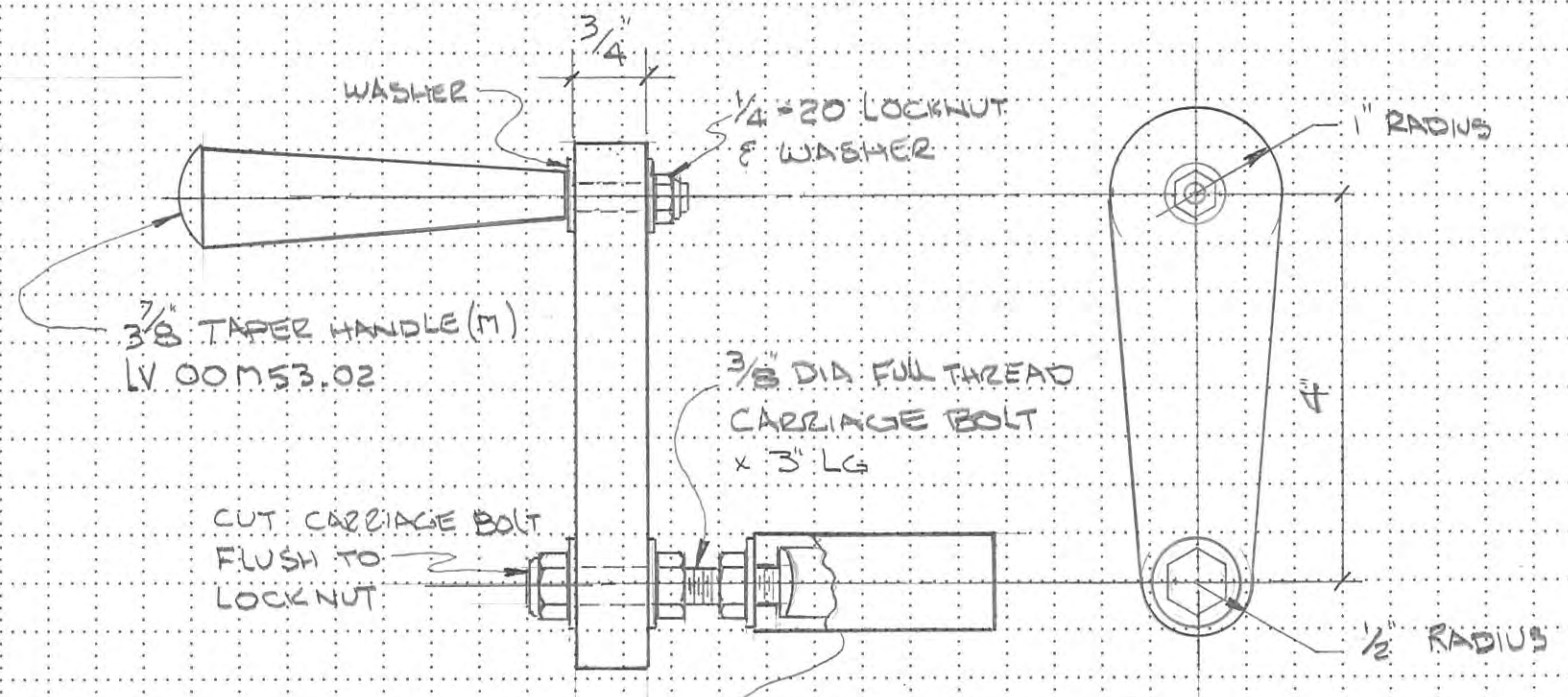


From the workbench of:

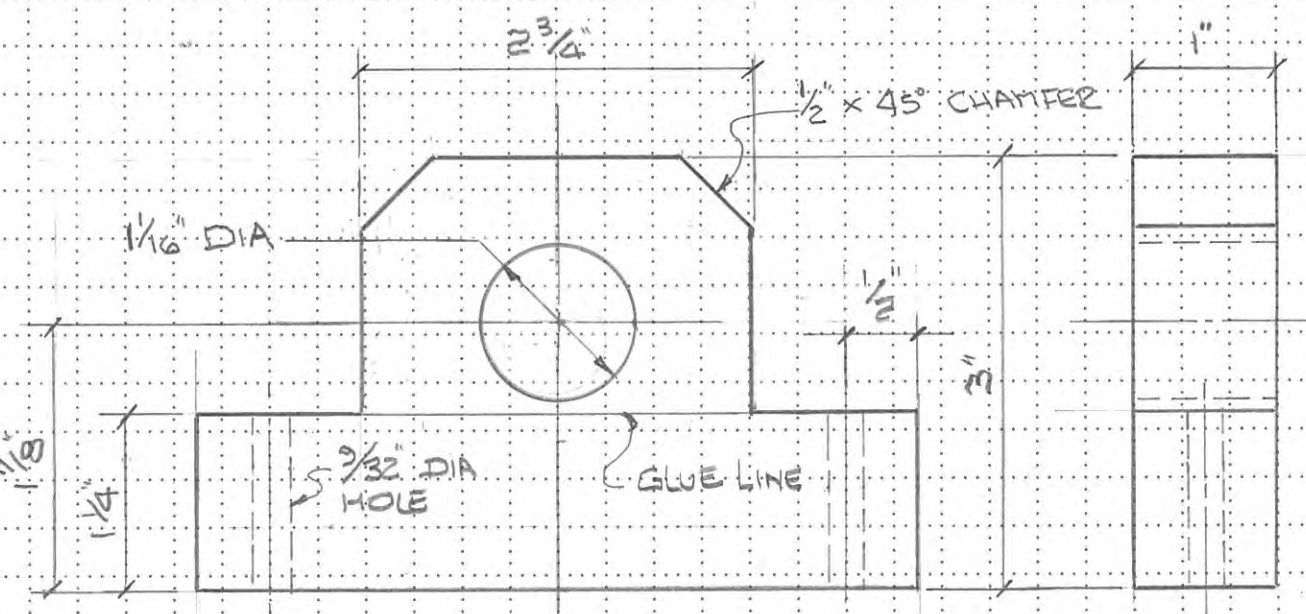
Date:



BREADBOARD END DETAIL  
SCALE 3/8" = 1"



SPREADER JACK  
HANDLE CRANK  
SCALE 1/2" = 1"



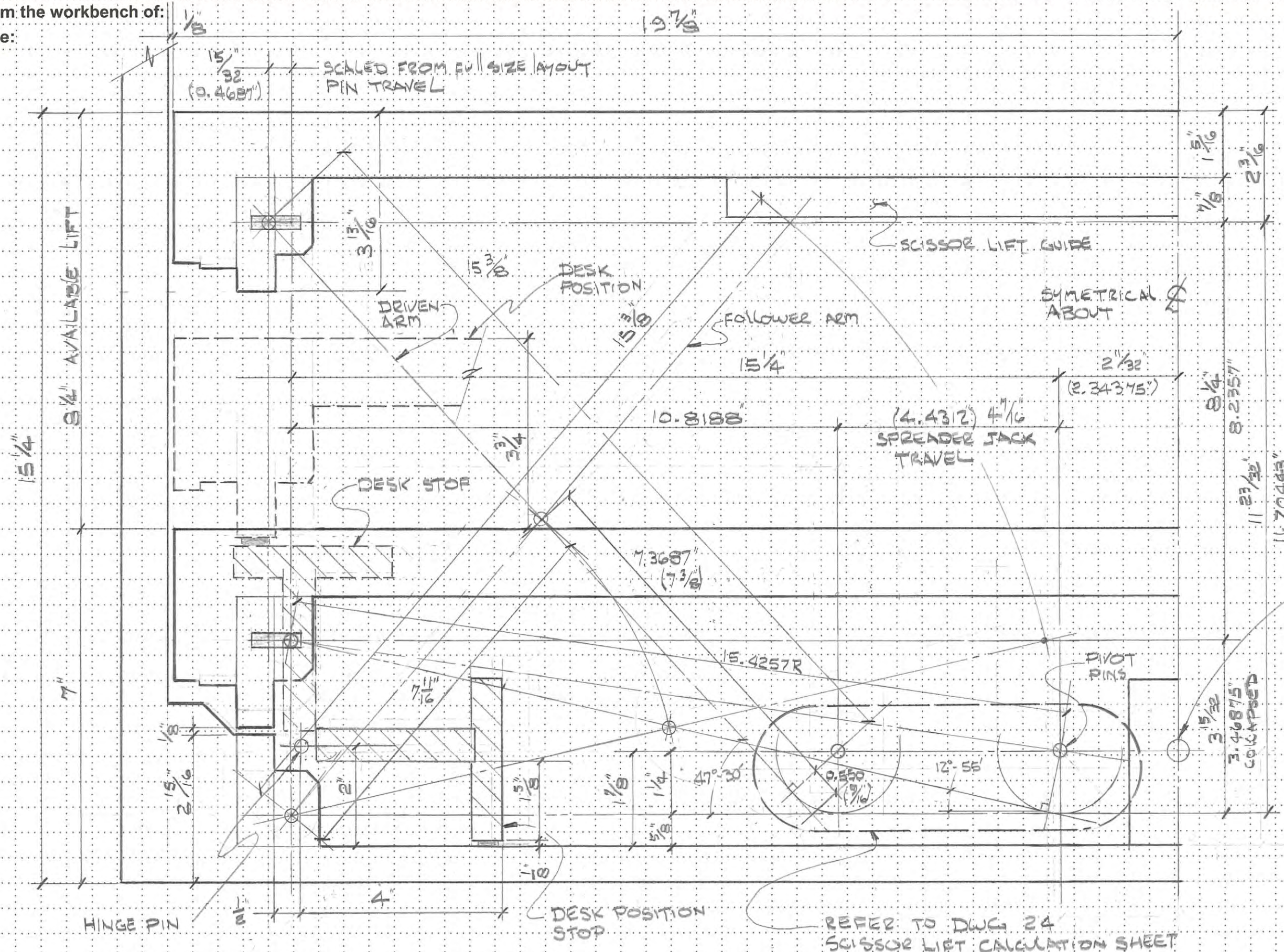
SPREADER JACK SOCKET GUIDE  
SCALE 3/4" = 1"

CONDO HOBBY BENCH  
MISCELLANEOUS DETAILS  
SCALE AS NOTED  
SEPT 2020

DWG. No 22 AS BUILT



From the workbench of:  
Date:



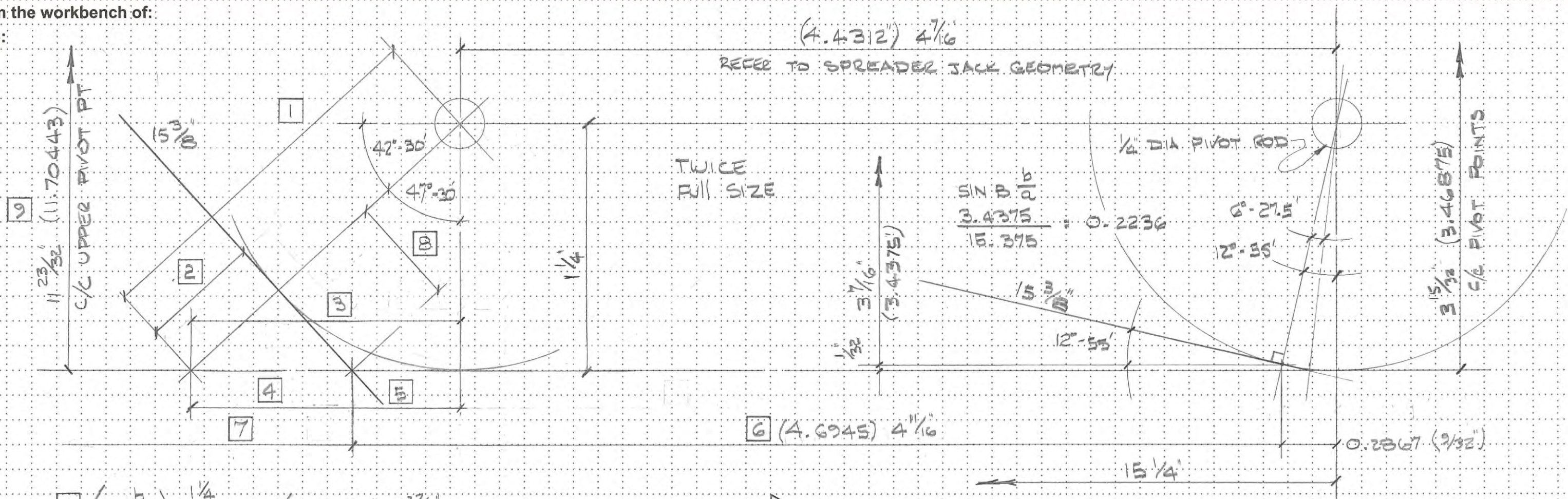
CONDO HOBBY BENCH  
 SCISSOR LIFT GEOMETRY  
 SCALE - HALF SIZE  
 REVISED  
 SEPT 2020

AS BUILT  
 DWG NO 23



From the workbench of:

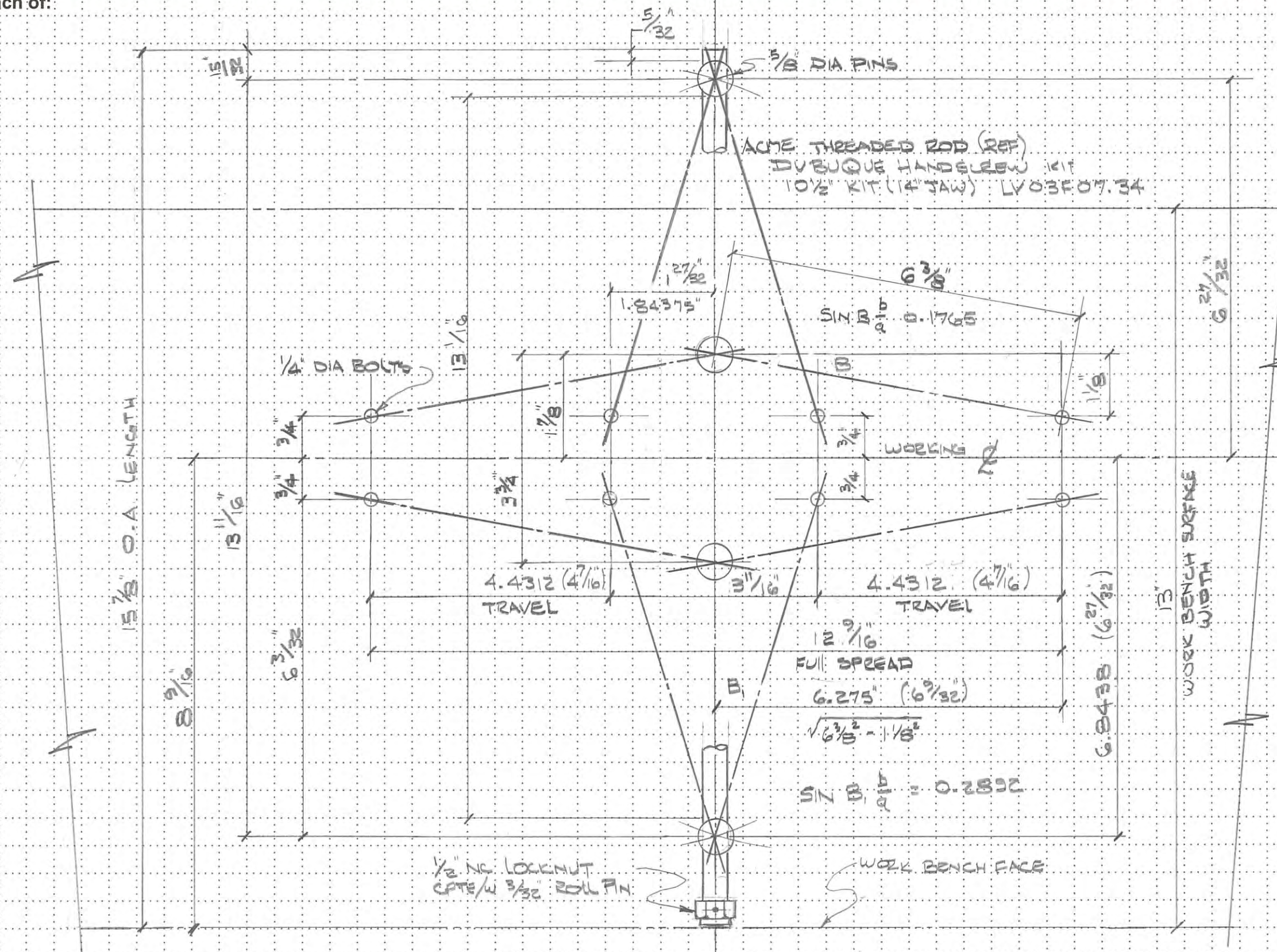
Date:





From the workbench of:

Date:



$\sin B = \frac{b}{c} = \frac{1/8}{6 3/8} = 0.1765$   
 $10^\circ - 10'$   
 $0.1667^\circ$

$\sin A = \frac{a}{c} = \frac{1 27/32}{6 3/8} = 0.3026$   
 $17^\circ - 37'$   
 $17.6167^\circ$

NOTE:  
 ALL DIMENSIONS BOUNDED  
 TO NEAREST 32/6

COMDO HOBBY BENCH  
 SPREADER JACK  
 GEOMETRY  
 NOV 18 AS BUILT  
 SCALE 1/2" = 1 INCH  
 DWG 18 12 5