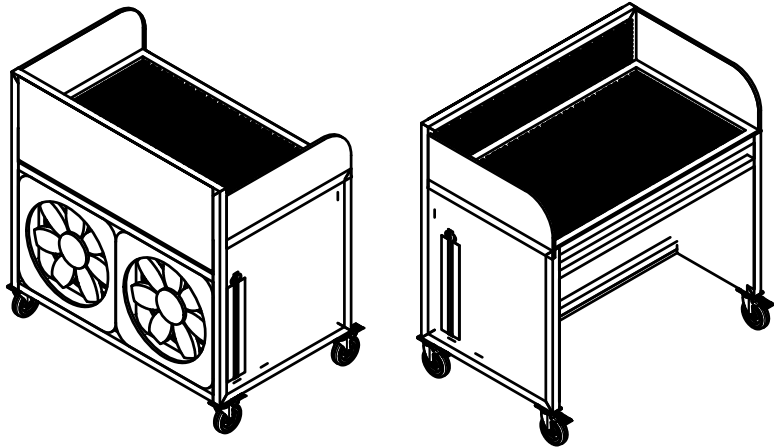




PROJECT

DOWNDRAFT GRINDING TABLE

TITLE

APPROVED

CHECKED

DRAWN Greg Wellwood 2026-08-17

SIZE

A

CODE

DWG NO

REV

SCALE 1:30

WEIGHT

SHEET 1/20

THESE PLANS ARE NOT "GOSPEL;" ADJUST AS YOU SEE FIT - I MADE IT ALL UP
AS I WENT ALONG

THESE PLANS ARE FREE; YOU GOT WHAT YOU PAID FOR

THESE PLANS ARE BOTH IMPERIAL AND [METRIC]

THIS TABLE USES TWO 21.5" BOX FANS, AND TWO 20x20 FURNACE FILTERS

I BUILT THIS TO UTILIZE MY EXISTING WELDING TABLE TOP, AND TO ALLOW
WELDING ON IT FROM A COMFORTABLE SEATED POSITION

A RUBBER "HOLE" ANTI-FATIGUE FLOOR MAT MAKES AN EXCELLENT TOPPER
TO "HOLD" MATERIAL WHILE GRINDING OR SANDING, YET STILL ALLOW
DEBRIS TO FLOW OR FALL DOWN

NO, IT HAS NOT CAUGHT FIRE YET

NO, IT DOES NOT SUCK AWAY ALL MY SHIELDING GAS

FEEL FREE TO ADJUST ACCORDING TO YOUR MATERIALS AND COMPONENTS

DOUBLE CHECK AND CONFIRM EVERYTHING - SOMETIMES I MAKE MISTEAKS

 Mr. WELLWOOD'S SHOP OF HORRORS www.gwellwood.com	PROJECT			
	DOWNDRAFT GRINDING TABLE			
	TITLE			
APPROVED	SIZE	CODE	DWG NO	REV
CHECKED	A			
DRAWN	Greg Wellwood	2026-08-17	SCALE 1:25	WEIGHT
				SHEET 2/20

FLIP DOWN SIDE (2)
ATTACHED VIA
PIANO HINGE
SECURED BY
SLIDE BOLT

CROSS BAR TOP

GRATE TOP

GRATE BOTTOM

SIDE

TIN SIDE

TIN REAR TOP

TIN FRONT

CROSS BAR

TRASH DOOR
(UNDERNEATH)

5" LOCKING CASTER WHEELS



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SHOP OF HORRORS
www.gwellwood.com

PROJECT

DOWNDRAFT GRINDING TABLE

TITLE

APPROVED

CHECKED

DRAWN

Greg Wellwood 2026-08-17

SIZE

A

CODE

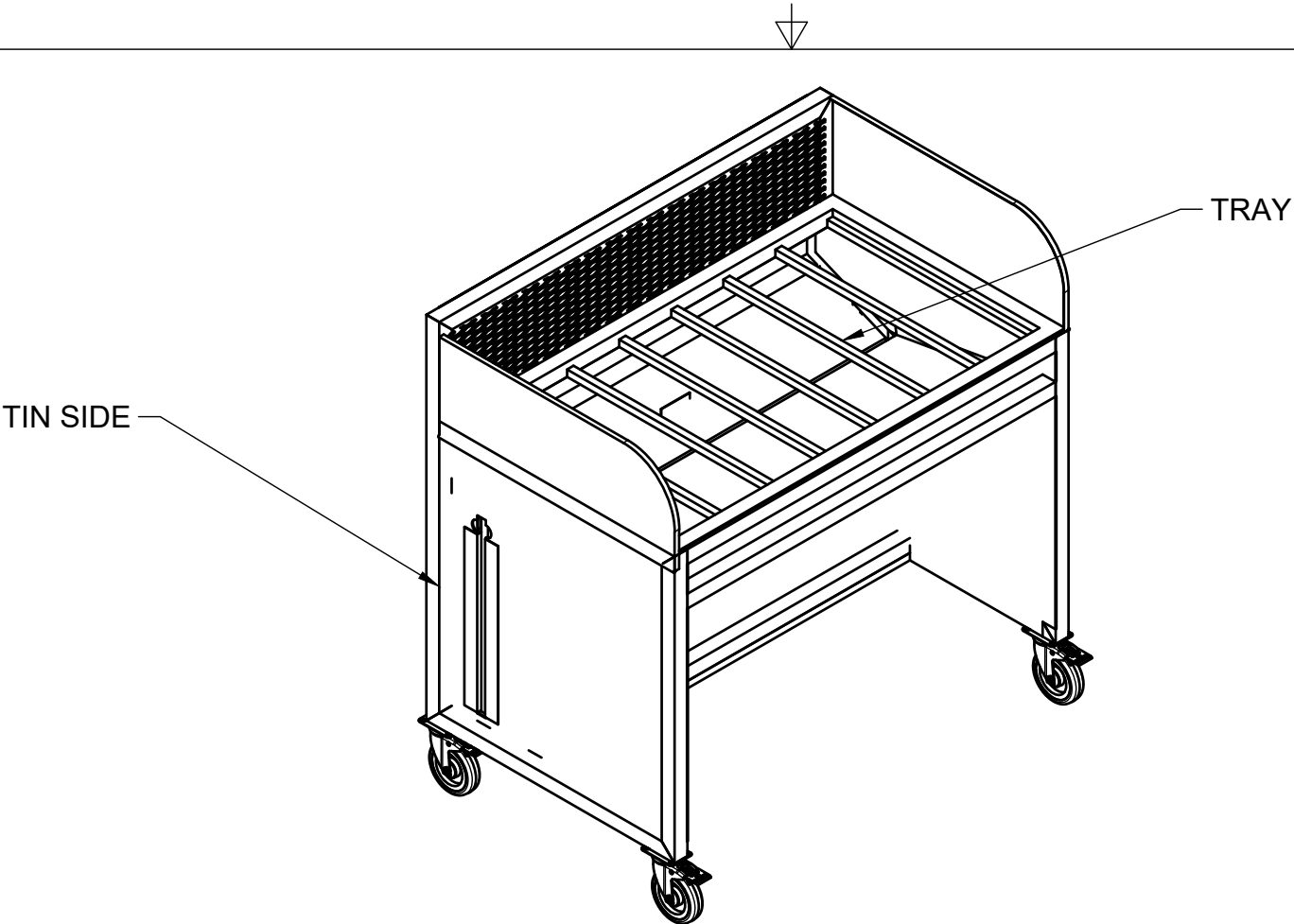
DWG NO

REV

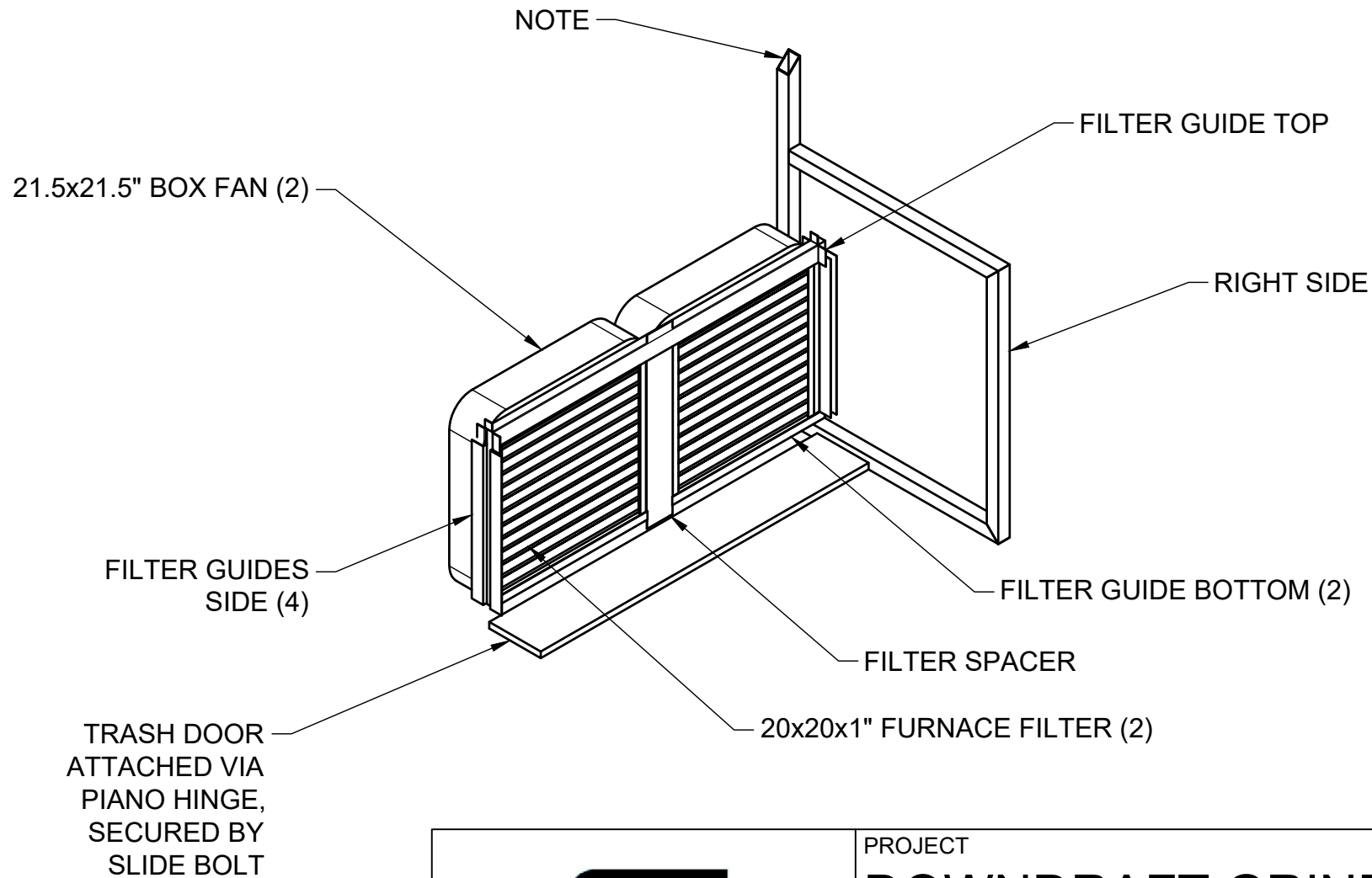
SCALE 1:15

WEIGHT

SHEET 3/20



 Mr.WELLWOOD'S SHOP OF HORRORS www.gwellwood.com	PROJECT DOWNDRAFT GRINDING TABLE			
	TITLE			
APPROVED	SIZE	CODE	DWG NO	REV
CHECKED	A			
DRAWN	Greg Wellwood 2026-08-17	SCALE 1:15	WEIGHT	SHEET 4/20

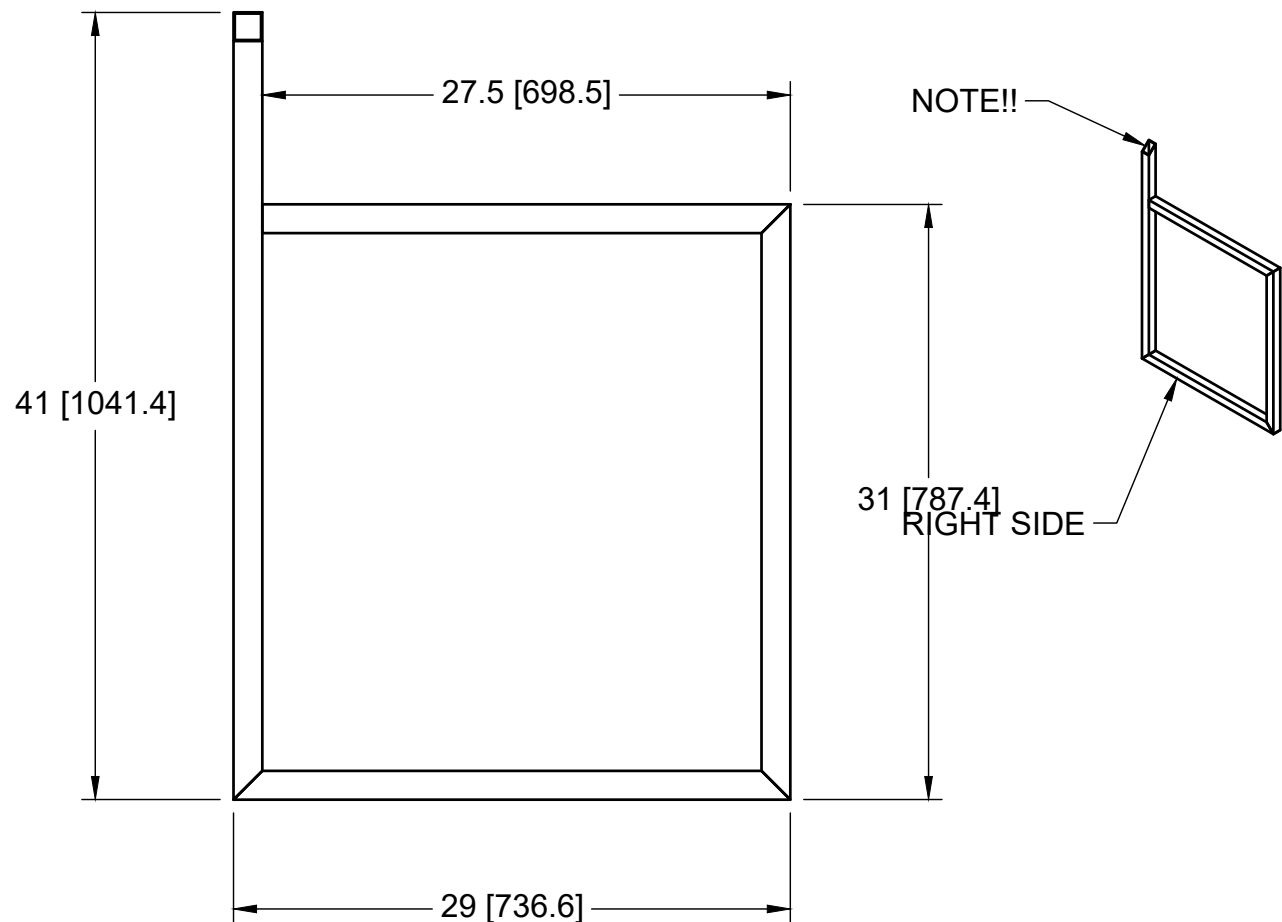


 Mr. WELLWOOD'S SHOP OF HORRORS www.gwellwood.com		PROJECT			
		TITLE			
APPROVED	SIZE	CODE	DWG NO		REV
CHECKED	A				
DRAWN	Greg Wellwood 2026-08-17	SCALE 1:15	WEIGHT	SHEET 5/20	

ALL TUBING IS 1.5 x 1.5 16ga
MILD STEEL SQUARE TUBING

REQUIRED: 2 - MIRRORED

DO NOT MAKE TWO LEFTS
OR TWO RIGHTS



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PROJECT

DOWNDRAFT GRINDING TABLE

TITLE

SIDES

APPROVED

CHECKED

DRAWN

Greg Wellwood 2026-08-17

SIZE

A

CODE

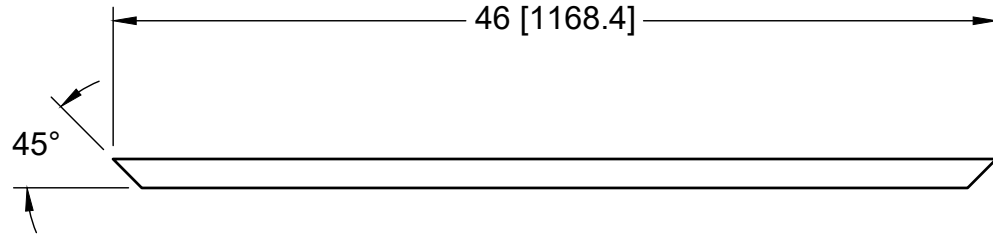
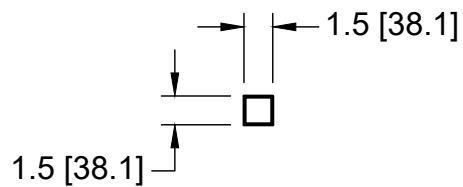
DWG NO

REV

SCALE 1:10

WEIGHT

SHEET 6/20



ALL TUBING IS 1.5 x 1.5 16ga
MILD STEEL SQUARE TUBING

REQUIRED: 1



PROJECT

DOWNDRAFT GRINDING TABLE

TITLE

CROSS BAR TOP

APPROVED

CHECKED

DRAWN Greg Wellwood 2026-08-17

SIZE

A

CODE

DWG NO

REV

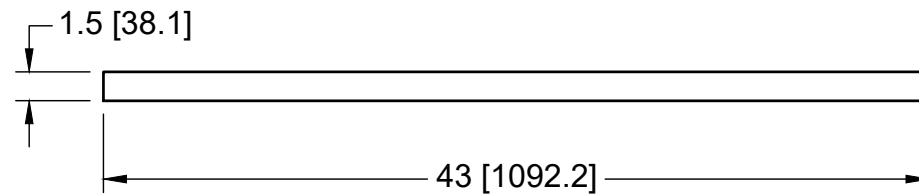
SCALE 1:10

WEIGHT

SHEET 7/20

ALL TUBING IS 1.5 x 1.5 16ga
MILD STEEL SQUARE TUBING

REQUIRED: 8



PROJECT

DOWNDRAFT GRINDING TABLE

TITLE

CROSS BAR

APPROVED

CHECKED

DRAWN Greg Wellwood 2026-08-17

SIZE

A

CODE

DWG NO

REV

SCALE 1:10

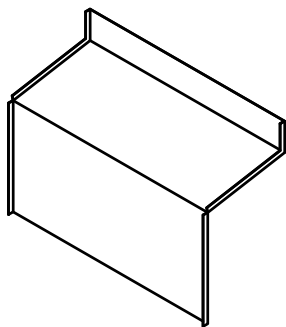
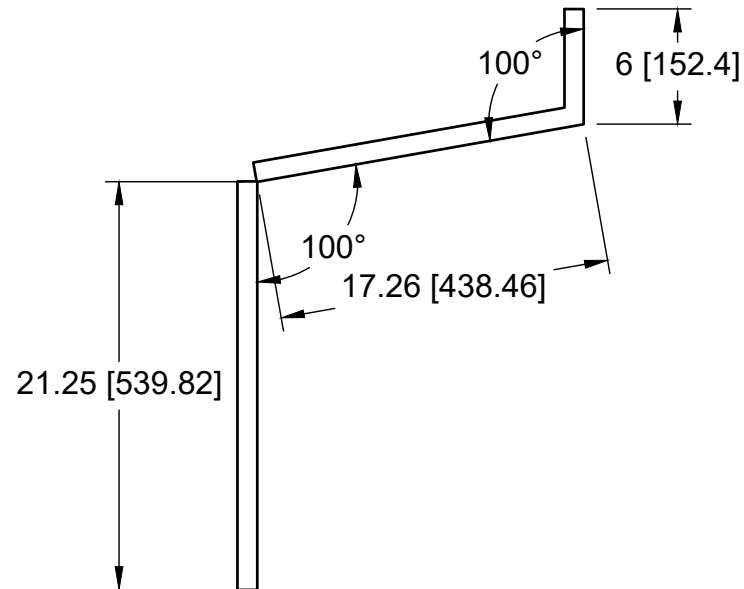
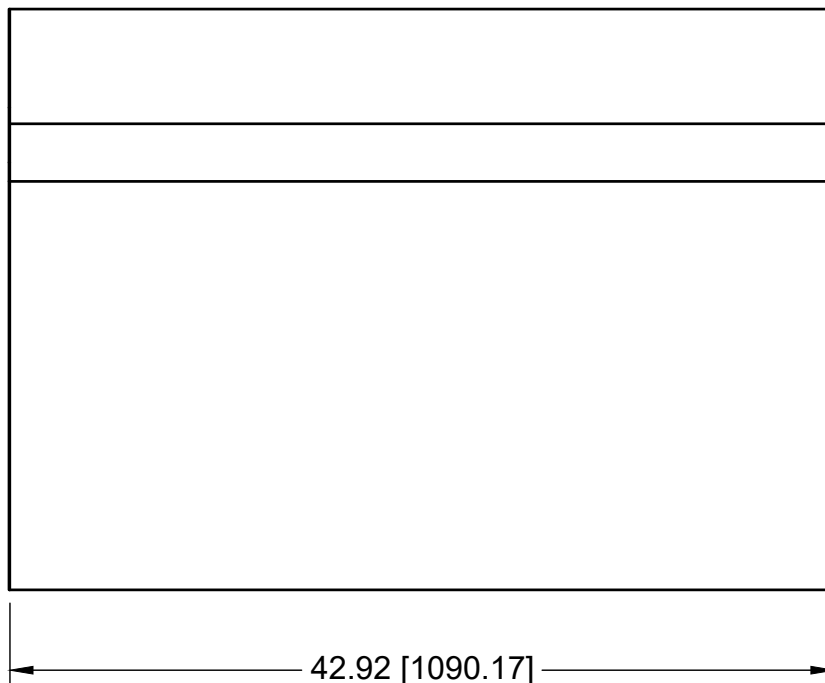
WEIGHT

SHEET 8/20

22ga HVAC DUCTING

1" (25mm) FLANGES
FOR ATTACHING

REQUIRED: 1



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SHOP OF HORRORS
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PROJECT

DOWNDRAFT GRINDING TABLE

TITLE

TIN FRONT

APPROVED

CHECKED

DRAWN

Greg Wellwood 2026-08-17

SIZE

A

CODE

DWG NO

REV

SCALE 1:10

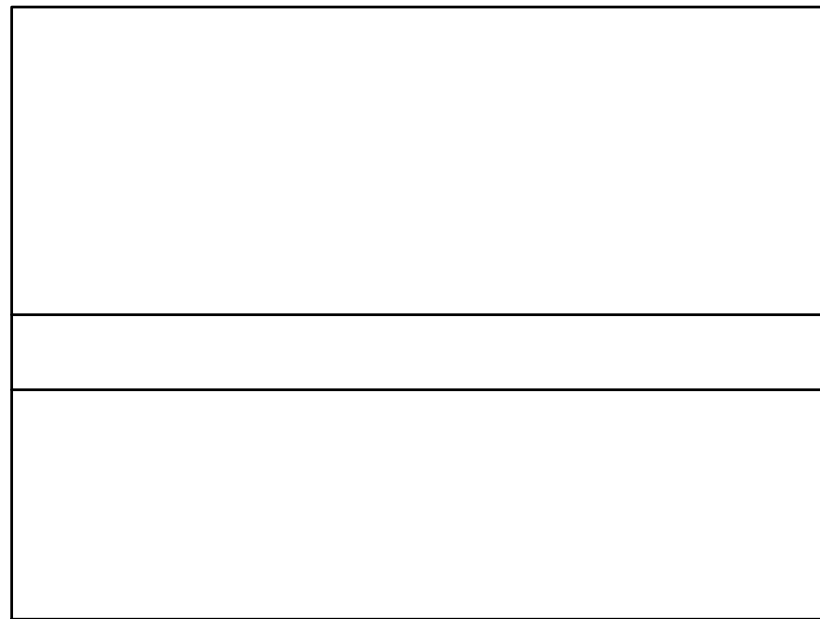
WEIGHT

SHEET 9/20

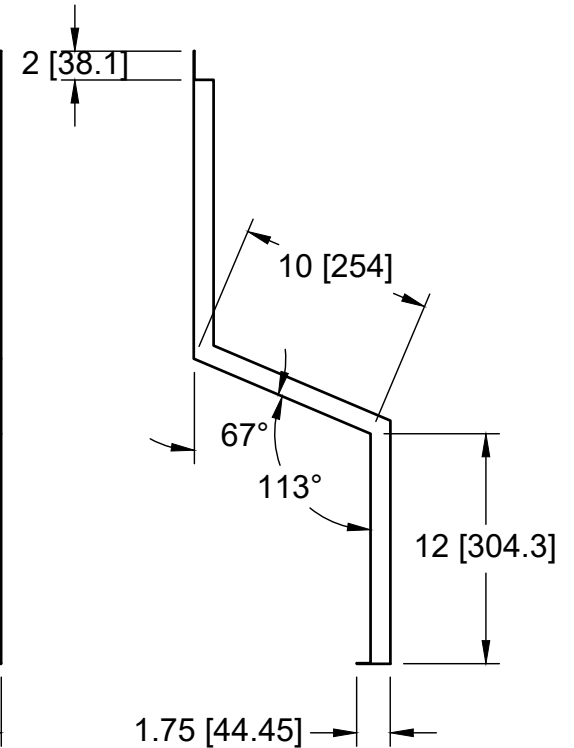
22ga HVAC DUCTING

1" (25mm) FLANGES
FOR ATTACHING

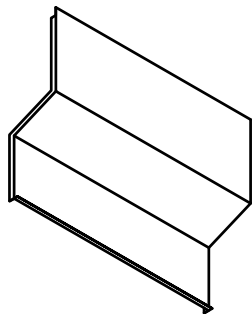
REQUIRED: 1



43 [1092.2]



1.75 [44.45]



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PROJECT

DOWNDRAFT GRINDING TABLE

TITLE

TIN REAR TOP

APPROVED

CHECKED

DRAWN

Greg Wellwood 2026-08-17

SIZE

A

CODE

DWG NO

REV

SCALE 1:10

WEIGHT

SHEET 10/20

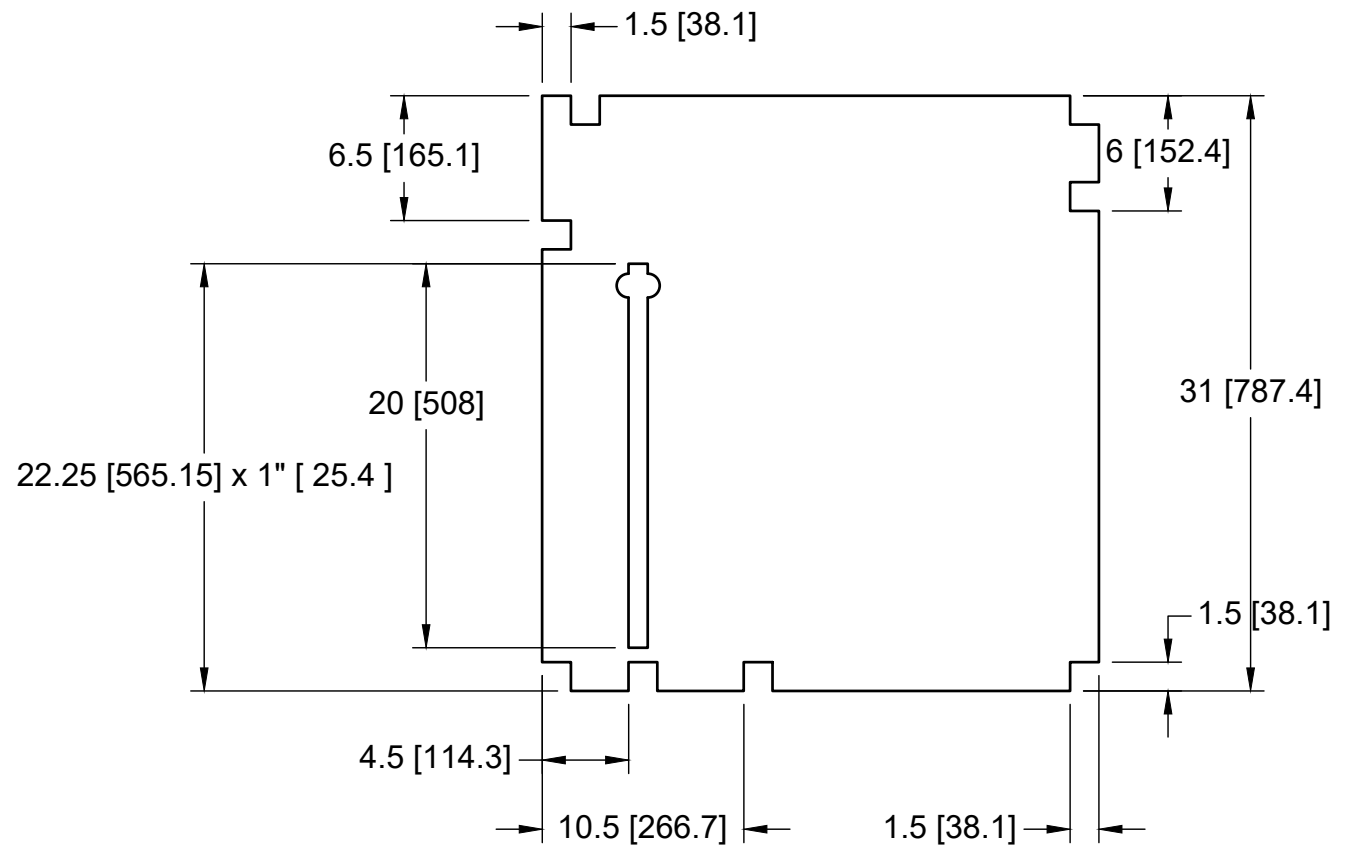
22ga HVAC DUCTING

REQUIRED: 2

CUT TO FIT WHAT YOU BUILT

CUT THE
FILTER-PULLER-OUT-INATOR
FINGER HOLES TO FIT YOUR
FINGERS

MIGHT ALSO BE AN IDEA TO
SLIT THE FILTER OPENING
AND FOLD IN FOR TWO 1/2"
FLANGES TO GUIDE THE
FILTER



PROJECT

DOWNDRAFT GRINDING TABLE

TITLE

TIN SIDES

APPROVED

CHECKED

DRAWN Greg Wellwood 2026-08-17

SIZE

A

CODE

DWG NO

REV

SCALE 1:10

WEIGHT

SHEET 11/20

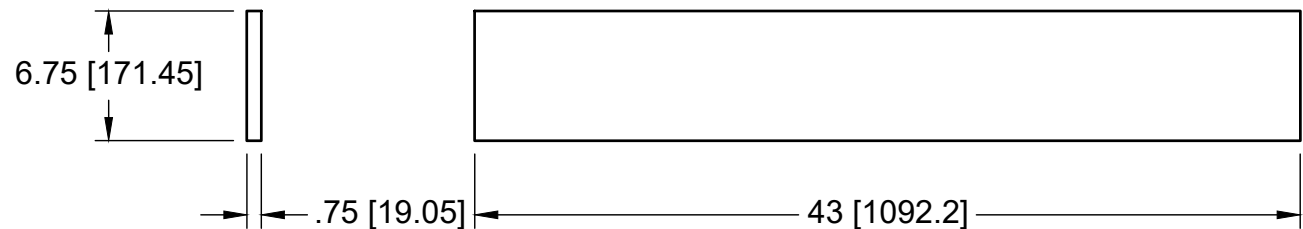
I MADE THIS OUT OF PLYWOOD
WITH AN HVAC TIN COVER

HAMMER-FORMED METAL
WOULD BE PRETTY COOL

A REMOVABLE DRAWER WOULD
BE COOLER

REQUIRED: 1

ATTACHED TO A FILTER CROSS
BAR VIA A PIANO HINGE AND
HELD CLOSED WITH SLIDE BOLTS



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PROJECT

DOWNDRAFT GRINDING TABLE

TITLE

TRASH DOOR

APPROVED

CHECKED

DRAWN Greg Wellwood 2026-08-17

SIZE

A

CODE

DWG NO

REV

SCALE 1:10

WEIGHT

SHEET 12/20

22ga HVAC DUCTING

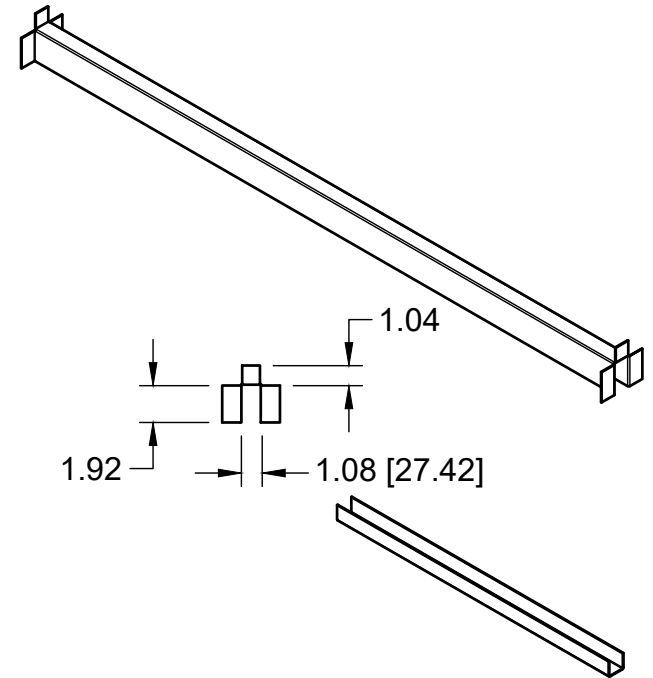
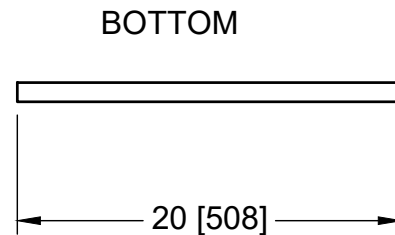
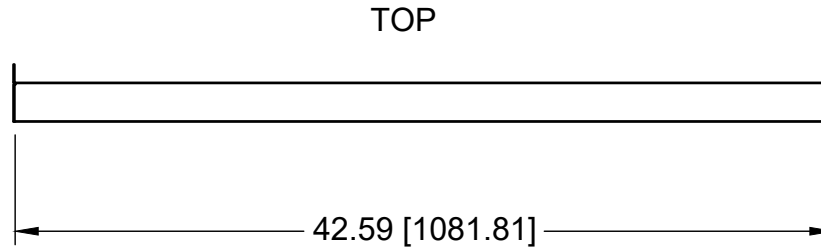
TABS TO ATTACH VIA
RIVETS

TOP ATTACHED TO
SIDES ABOVE FILTERS

BOTTOM ATTACHED TO
CROSS BAR BELOW
FILTERS

BASICALLY BEND WIDE
ENOUGH TO CLEAR
THE FILTERS

REQUIRED: 1 TOP
2 BOTTOM



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PROJECT

DOWNDRAFT GRINDING TABLE

TITLE

FILTER GUIDES

APPROVED

CHECKED

DRAWN

Greg Wellwood 2026-08-17

SIZE

A

CODE

DWG NO

REV

SCALE 1:10

WEIGHT

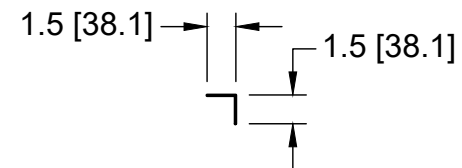
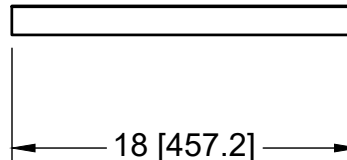
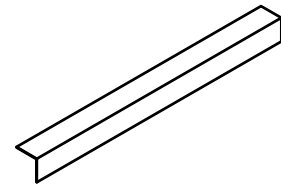
SHEET 13/20

24GA HVAC TIN

I SPOT WELDED THESE TO
EITHER SIDE OF THE FILTER
OPENINGS

THESE REINFORCE THE SIDE
PANELS AND HELP GUIDE
THE FILTERS

REQUIRED: 4



PROJECT

DOWNDRAFT GRINDING TABLE

TITLE

FILTER GUIDES SIDE

APPROVED

CHECKED

DRAWN Greg Wellwood 2026-08-17

SIZE

A

CODE

DWG NO

REV

SCALE 1:10

WEIGHT

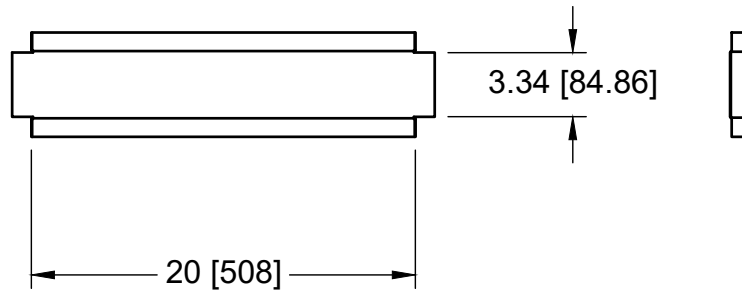
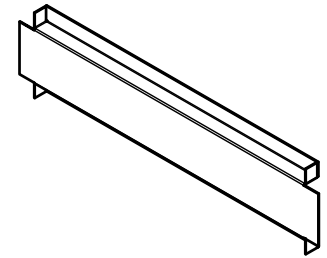
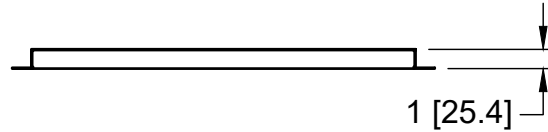
SHEET 14/20

SPACER PROVIDES A
"STOP" FOR THE FILTERS
SLIDING IN

THEY ALSO SET THE
"HEIGHT" OF THE FILTER
GUIDE TOP

RIVET TO CROSS BAR
BELOW ON THE WIDE
UN-BENT FLANGE, AND THE
TWO WEE FLANGES

TOP IS RIVETED TO THE
FILTER GUIDE TOP



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PROJECT

DOWNDRAFT GRINDING TABLE

TITLE

FILTER SPACER

APPROVED

CHECKED

DRAWN Greg Wellwood 2026-08-17

SIZE

A

CODE

DWG NO

REV

SCALE 1:10

WEIGHT

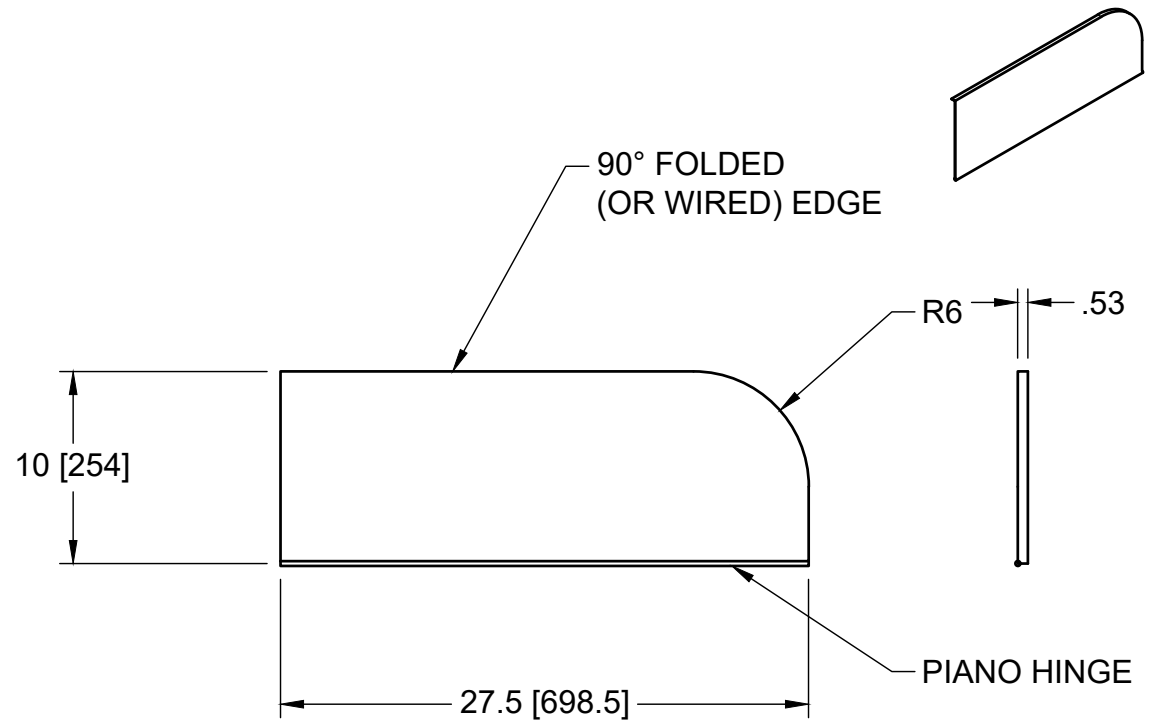
SHEET 15/20

I HAMMER FORMED THIS OUT
OF 16GA MILD STEEL SHEET

PLYWOOD WOULD WORK, BUT
MAY NOT BE THE BEST IN A
SPARK ENVIRONMENT

REQUIRED: 2
(MIRRORS OF EACH OTHER)

ATTACHED TO SIDES VIA A
PIANO HINGE AND HELD UP
WITH SLIDE BOLTS



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DOWNDRAFT GRINDING TABLE

TITLE

FLIP DOWN SIDES

APPROVED

CHECKED

DRAWN Greg Wellwood 2026-08-17

SIZE

A

CODE

DWG NO

REV

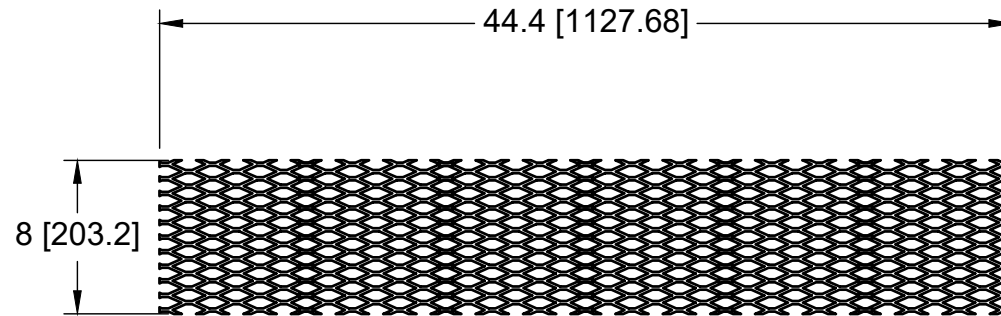
SCALE 1:10

WEIGHT

SHEET 16/20

1/8" THICK FLAT
EXPANDED METAL

>>> CUT TO FIT <<<



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DOWNDRAFT GRINDING TABLE

TITLE

GRATE TOP

APPROVED

CHECKED

DRAWN Greg Wellwood 2026-08-17

SIZE

A

CODE

DWG NO

REV

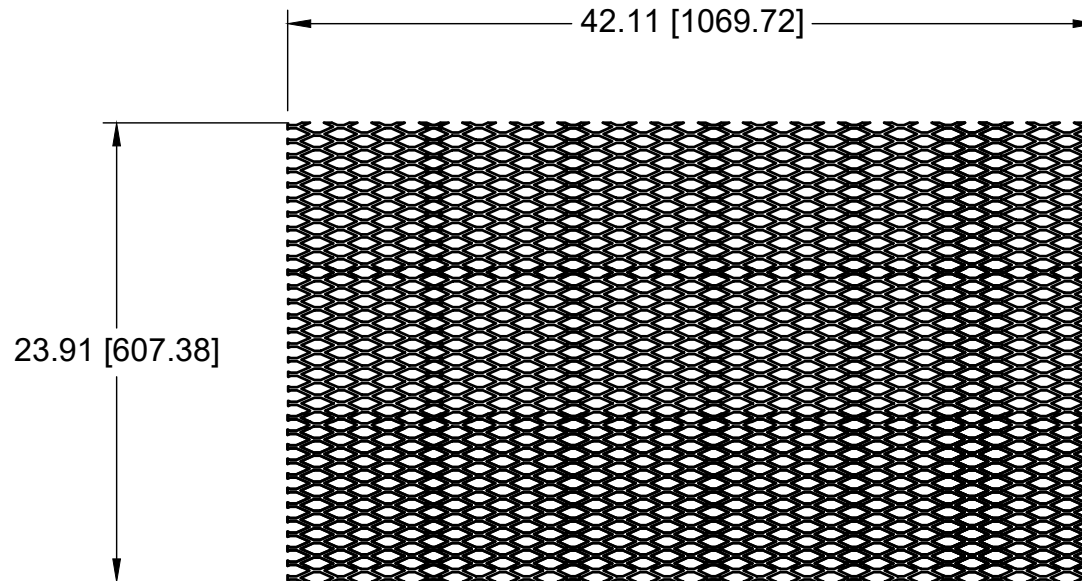
SCALE 1:10

WEIGHT

SHEET 17/20

1/8" THICK FLAT
EXPANDED METAL

>>> CUT TO FIT <<<



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DOWNDRAFT GRINDING TABLE

TITLE

GRATE TOP

APPROVED

CHECKED

DRAWN Greg Wellwood 2026-08-17

SIZE

A

CODE

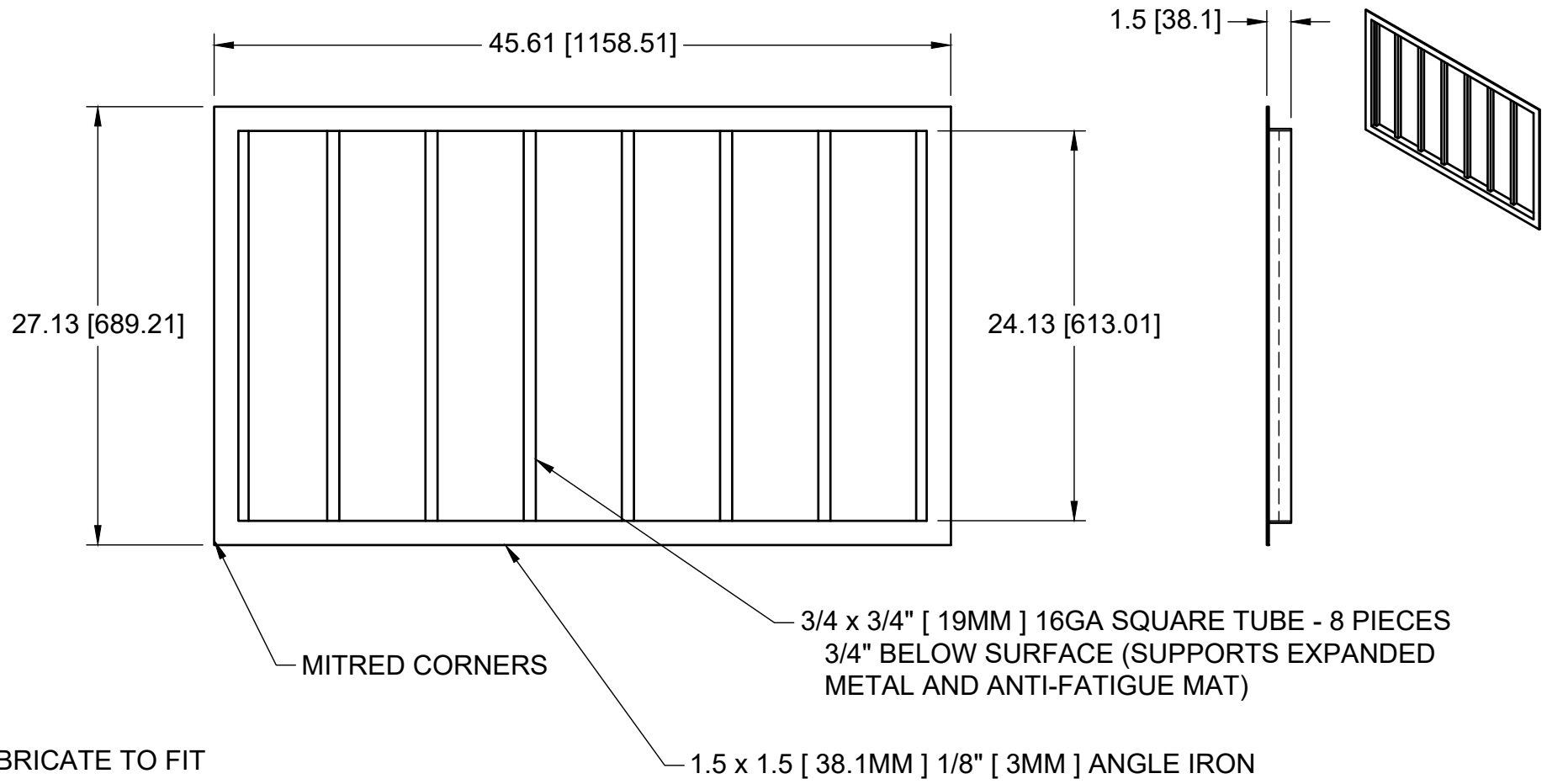
DWG NO

REV

SCALE 1:10

WEIGHT

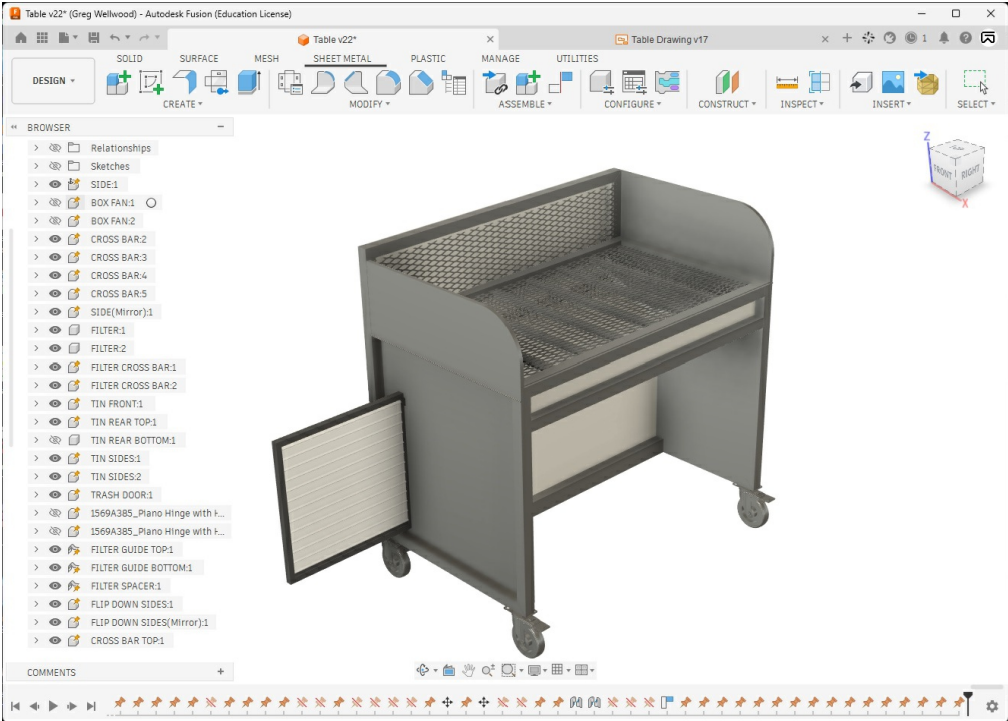
SHEET 18/20



 Mr. WELLWOOD'S SHOP OF HORRORS www.gwellwood.com		PROJECT			
		DOWNDRAFT GRINDING TABLE			
		TITLE			
		TRAY			
APPROVED		SIZE	CODE	DWG NO	REV
CHECKED		A			
DRAWN	Greg Wellwood 2026-08-17	SCALE	1:10 (From parent)	WEIGHT	SHEET 19/20



BUILD VIDEO: <https://youtu.be/gZV8OJgApuY>



 Mr.WELLWOOD'S SHOP OF HORRORS www.gwellwood.com	PROJECT				
	DOWNDRAFT GRINDING TABLE				
TITLE					
APPROVED	SIZE A	CODE	DWG NO		REV
CHECKED					
DRAWN	Greg Wellwood 2026-08-17	SCALE	WEIGHT		SHEET 20/20