

US EPA Minimum Requirements for QA/QC Auditing

This format is used for inspections at manufacturing facilities on New Residential Wood Heaters, New Residential Hydronic Heaters and Forced-Air Furnaces.

Inspector instructions:

- Attach this inspection supplement to the standard Intertek WH Periodic Inspection Report.
- One audit form for each Model.
- Client can be asked to disassemble components in order to check dimensions.
- Minimum annual inspection of each model certified for EPA.

IMPORTANT: Any linear dimension cannot exceed $\pm 1/4$ -inch (± 0.64 -cm) and any cross-sectional area for air introduction or catalyst bypass gaps cannot exceed 5%.

Applicant	Johnson Gas Appliance Company
Manufacturer	Metal Works
Model	Hastings II
Report No.	105164443MID-009

Firebox dimensions:

Dwg #: 80P54410	Depth	Width	Height
Specified	7.504-in	18.001-in	21.814-in
Actual			

Compliant	Non-compliant

Fuel Door Size:

Dwg #: 80P31209	Width	Height
Specified	12.501-in	12.500-in
Actual		

Air introduction systems:

Dwg #: 80P52964	Air inlet dimensions - Primary		Air inlet dimensions - Secondary	
	Length	Width	Length	Width
Specified		2.000-in (dia)		
Actual				

Method of control	Damper on primary inlet tube
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Compliant	Non-compliant

Baffles:

Dwg #: 80P52366	Length	Width
Specified	13.610-in	5.577-in
Actual		

Location	Firebox top
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Compliant	Non-compliant

Refractory/Insulation: Not Applicable

Dwg #:	Length	Width	Thickness
Specified			
Actual			

Location	
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Compliant	Non-compliant

Catalyst: Not Applicable

Dwg #:	Length	Width	Thickness
Specified			
Actual			

Location	
----------	--

Compliant	Non-compliant

Catalyst Bypass: Not Applicable

Gap tolerance when closed:	
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Dwg #:	Length	Width	Area
Specified			
Actual			

Location	
----------	--

Compliant	Non-compliant

Flue Gas Exit:

Dwg #: 80P52235	Length	Width
Specified	1.500-in	3.000-in
Actual		

Location	Lower rear
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Compliant	Non-compliant

Door Gaskets:

Dwg #: 80P53635-2	Fuel Door	
	Size	Length
Specified	7/8" ROPE	53"
Actual		

Fitment	
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Dwg #: 80P53635-1	Glass	
	Size	Length
Specified	1" X .125" FLAT	40"
Actual		

Fitment	
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Outer Thermal Shielding and Thermal Coverings:

Dwg #: 80P20090	Right Side Shield	
	Length	Width
Specified	24.250"	18.000"
Actual		

Dwg #: 80P20092	Left Side Shield	
	Height	Width
Specified	24.250"	18.000"
Actual		

Dwg #: 80P52469	Rear Shield	
	Height	Width
Specified	13.973-in	20.560-in
Actual		

Compliant	Non-compliant

Fuel Feed System (Pellet or Wood Chip Models): check motor details

Dwg #: 80P53686	Specified	Actual
Feed Rate	2.15 kg/hr (high)	
Auger Motor Design	Gear motor	
Power Ratings	120V, 0.63A	
Auger Angle	39 Degrees	

Compliant	Non-compliant

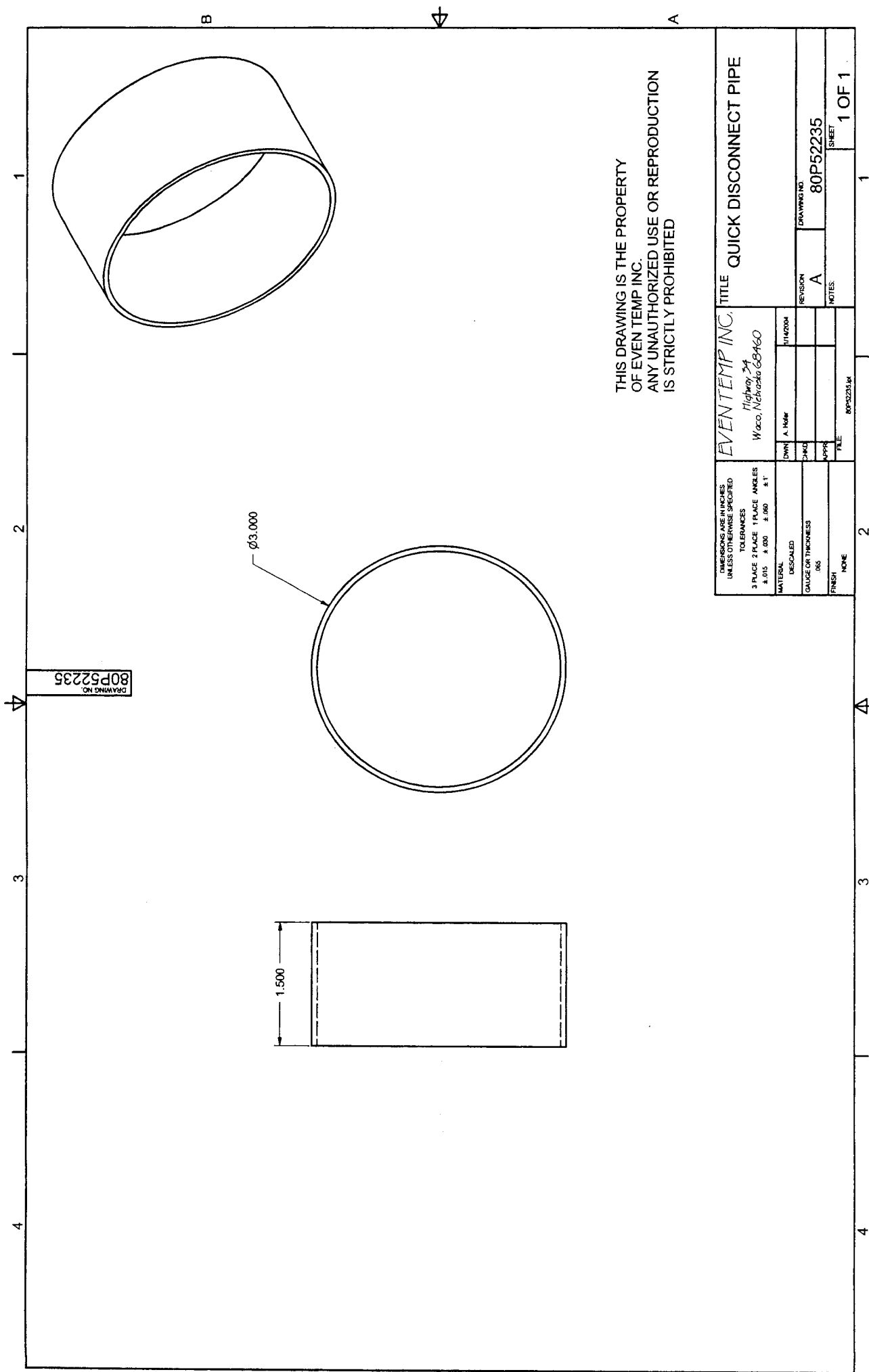
Forced-Air Combustion System: Combustion Fan

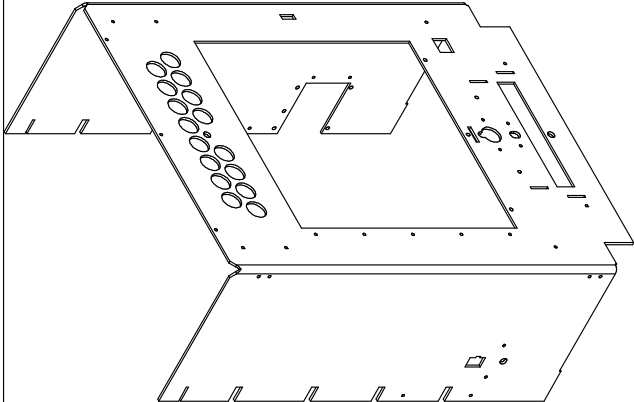
Dwg #: 80P30521	Specified	Actual
Location	Negative pressure side	
Horsepower	$115V \times 1.05A = 120.75W = 0.16HP$	
Fan Blade Size	4.75-in	

Compliant	Non-compliant

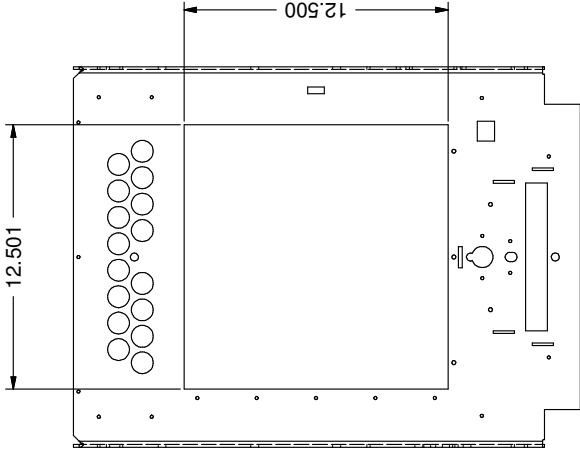
Factory
Representative:
Signed: _____
Date: _____

Intertek
Representative:
Signed: _____
Date: _____





80P31209
DRAWING NO.



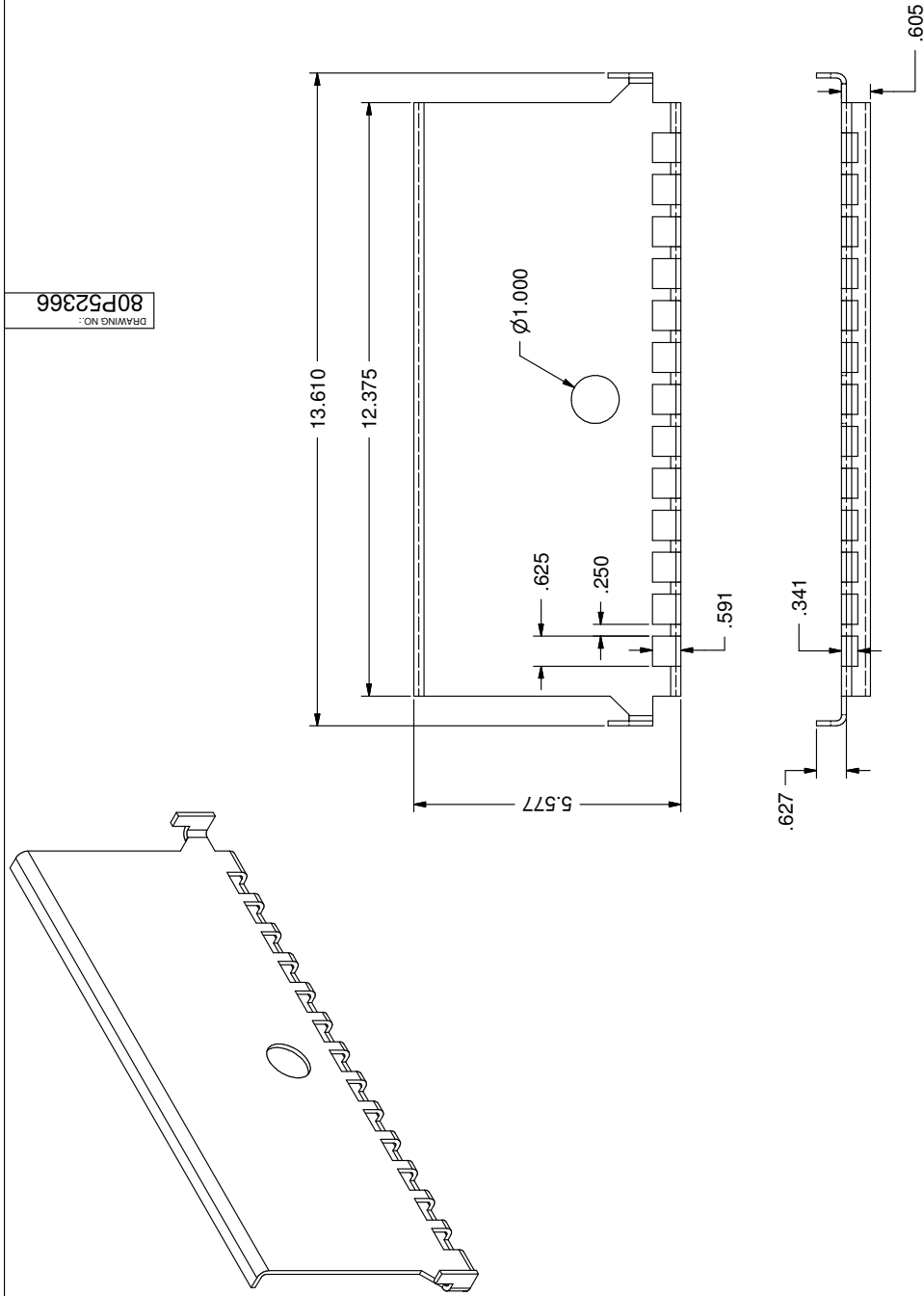
QUARTERLY AUDIT DRAWINGS FOR
THE HASTINGS & GREENFIELD

FUEL DOOR SIZE

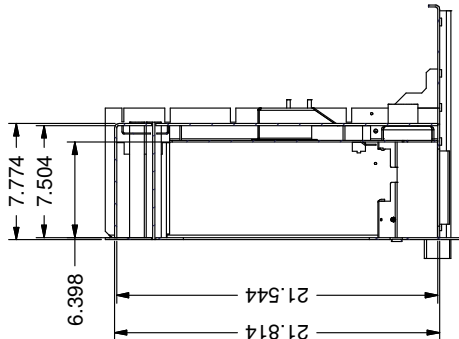
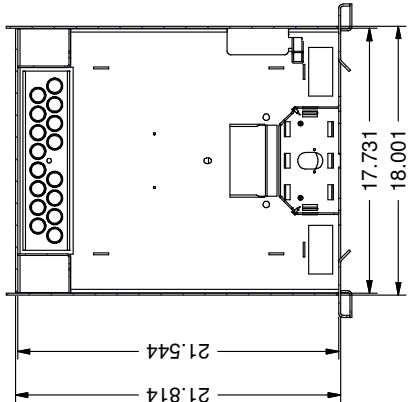
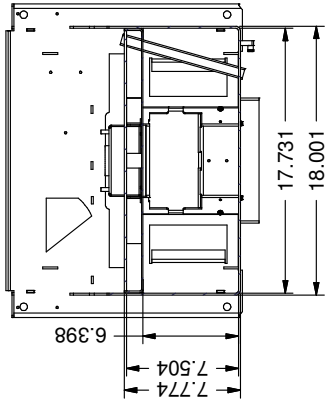
LOCATED IN
FRONT FACE
WITH PART #
80P31209

REV	DESCRIPTION	INIT	DATE	EVEN TEMP INC, Highway 34 Waco, Nebraska 68786		DESCRIPTION: FRONT FACE	
REVISION RECORD				DRAWN BY: T. KRUMREI 5/22/2015		REVISION: A	
THIS DRAWING IS THE PROPERTY OF EVEN TEMP INC. ANY UNAUTHORIZED USE OR REPRODUCTION IS PROHIBITED				DIMENSIONS ARE IN INCHES UNLESS OTHERWISE SPECIFIED		DRAWING NO: 80P31209	
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				GAUGE OR THICKNESS: 10 GA.		DESIGNER: T. KRUMREI	
				FINISH:		FILE: 80P31209.jpg	
						SHEET: 1 OF 1	

**QUARTERLY AUDIT DRAWINGS FOR
THE HASTINGS & GREENFIELD**

[illegible]

80P54410
DRAWING NO.



QUARTERLY AUDIT DRAWINGS FOR
HASTINGS & GREENFIELD

SHEET 1 OF 3

CUT-AWAY VIEW OF THE INSIDE
OF THE FIREBOX OF THE
HASTINGS & GREENFIELD
ON THE PRODUCTION LINE
SEE SHEETS 2 AND 3
FOR CLARITY

SHEET 2 OF 3

CUT-AWAY VIEW
OF THE THE FIREBOX
WELDMENT ONLY

SHEET 3 OF 3

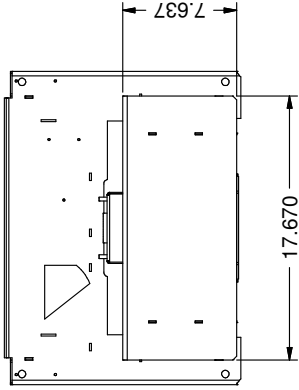
CUT-AWAY VIEW OF
THE FRONTFACE
WELDMENT ONLY

REV	DESCRIPTION	INIT	DATE	DIMENSIONS ARE IN INCHES UNLESS OTHERWISE SPECIFIED TOLERANCES 3 PLACE 2 PLACE 1 PLACE ANGLES ± .015 ± .000 ± .000 ± .1°			
REVISION RECORD				MATERIAL			
THIS DRAWING IS THE PROPERTY OF EVEN TEMP INC. ANY UNAUTHORIZED USE OR REPRODUCTION IS PROHIBITED				GAUGE OR THICKNESS:			
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				CHKD BY:			
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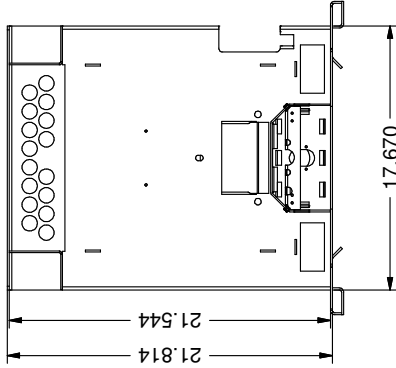
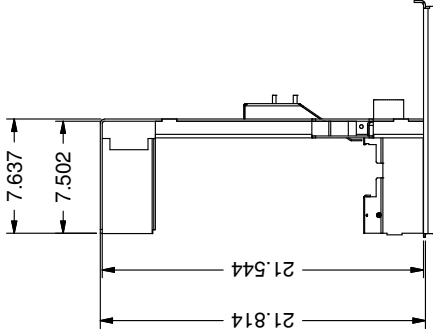
EVEN TEMP INC,
Highway 34
Waco, Nebraska 68786

DESCRIPTION:
FRONT/FIREBOX WELDMENT

80P54409
DRAWING NO.:

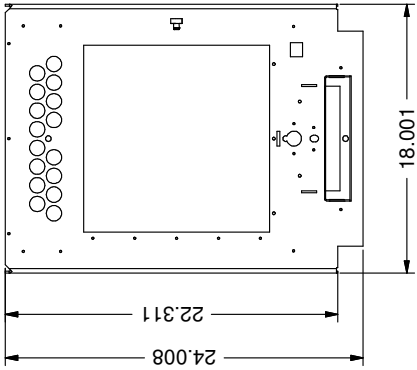
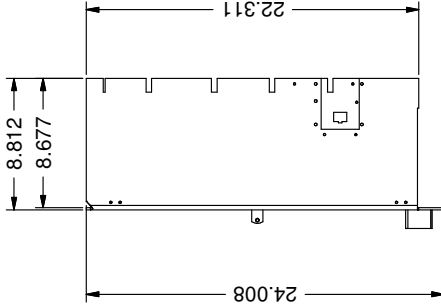
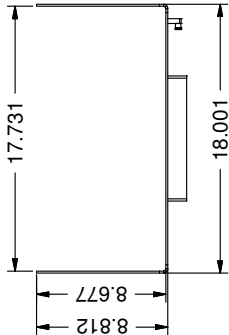


HASTINGS & GREENFIELD
FIREBOX WELDMENT
80P54409



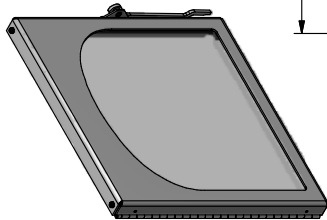
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TOLERANCES			
3 PLACE 2 PLACE 1 PLACE ANGLES			
± .015 ± .030 ± .060 ± .1			
MATERIAL			
GAUGE OR THICKNESS:			
FINISH:			
EVEN TEMP INC, Highway 34 Waco, Nebraska 68786		DESCRIPTION: FIREBOX WELDMENT	
DRAWN BY: T. KRUMREI 5/22/2015		REVISION: A	
CHKD BY:		DRAWING NO: 80P54409	
DESIGNER: T. KRUMREI		NOTES:	
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80P54408
DRAWING NO.



HASTINGS & GREENFIELD
FRONTFACE WELDMENT
80P54408

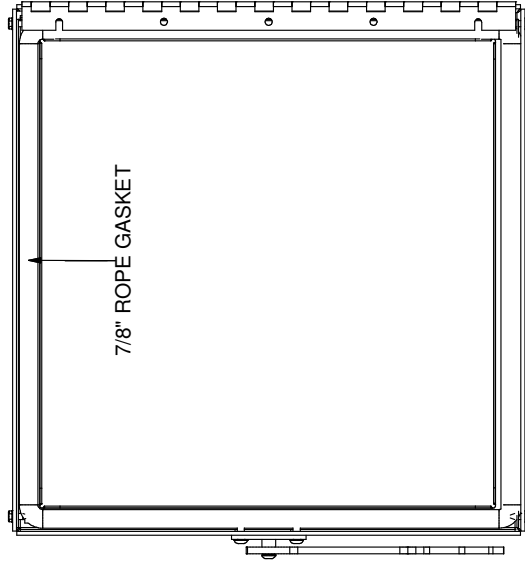
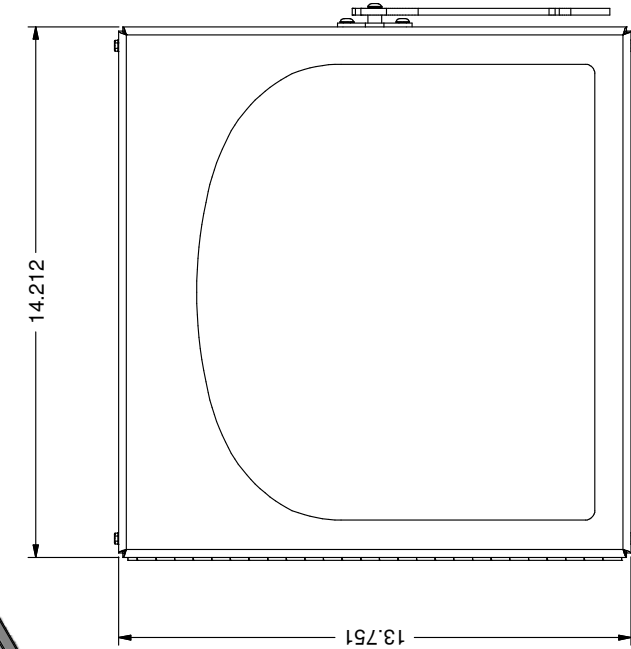
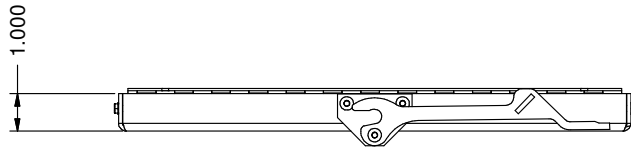
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CHKD BY:		DESIGNER: T. KRUMREI	
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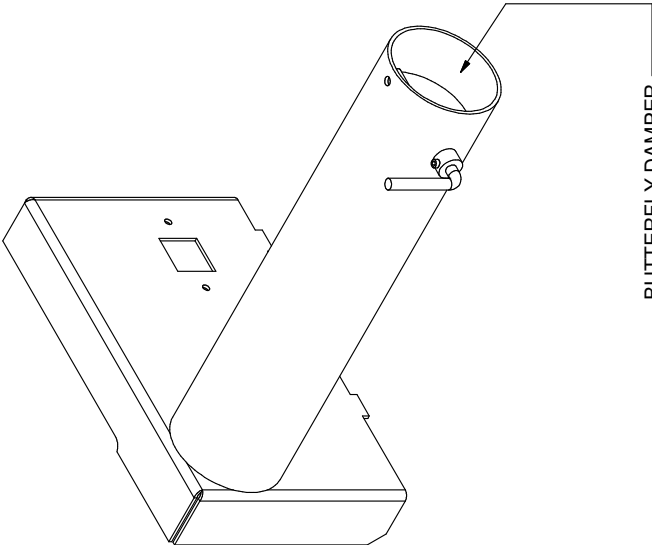
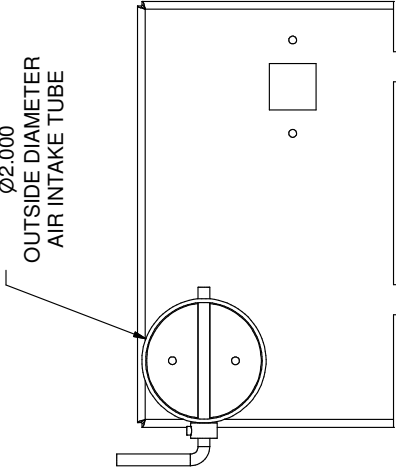
80P53635
DRAWING NO.

QUARTERLY AUDIT DRAWINGS FOR
HASTINGS / GREENFIELD DOOR
FUEL DOOR
WITH PART #80P53635 BLACK DOOR

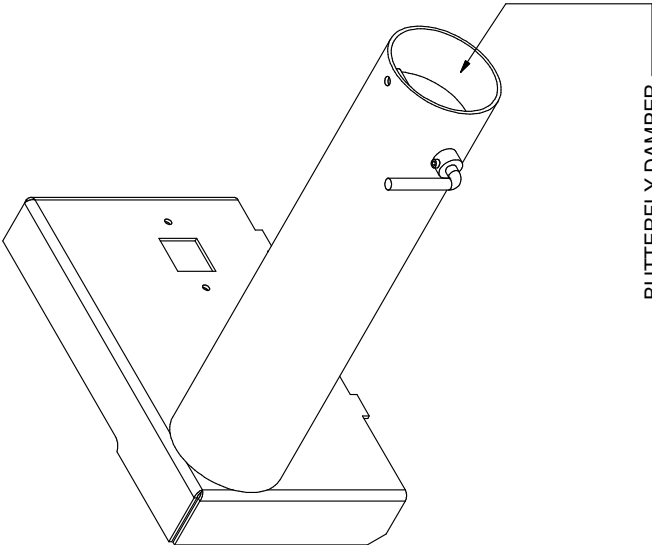
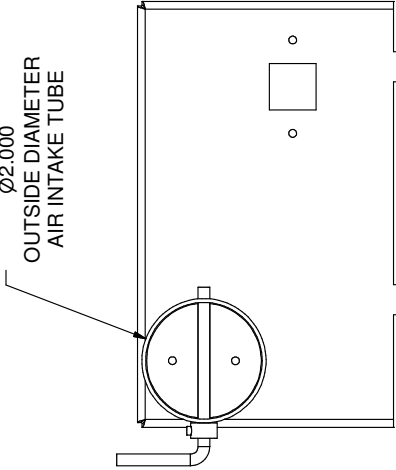
HINGED ON THE LEFT SIDE
DOOR LATCH ON RIGHT SIDE

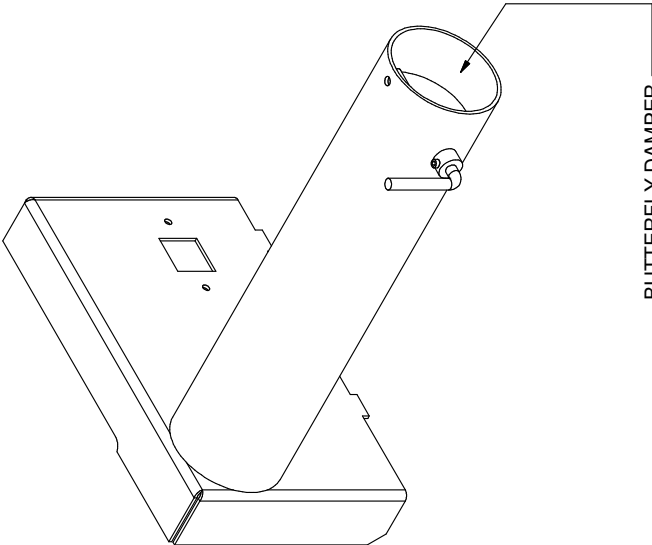
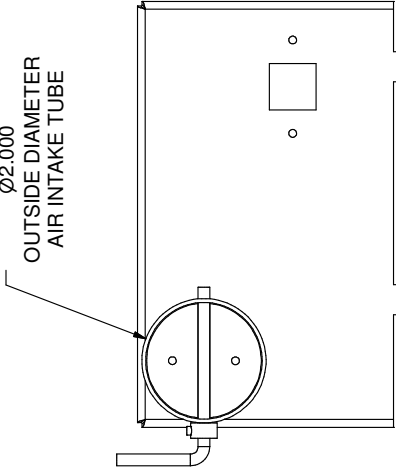


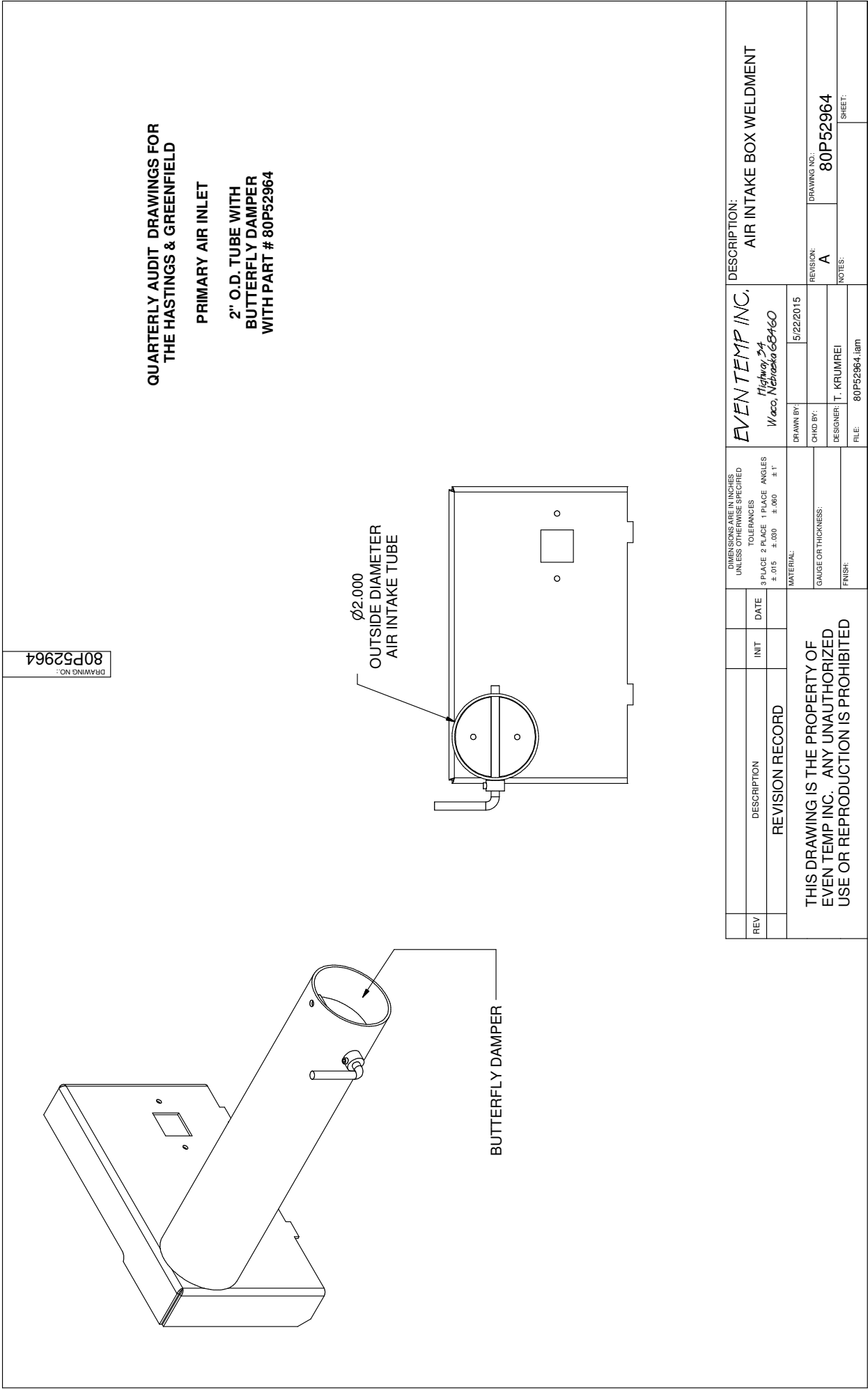
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TOLERANCES			
3 PLACE 2 PLACE 1 PLACE ANGLES			
± .015 ± .000 ± .000 ± .1°			
MATERIAL			
GAGE OR THICKNESS:			
FINISH:			
DRAWN BY: T. KRUMREI 5/22/2015			
CHKD BY:			
DESIGNER: T. KRUMREI			
FILE: 80P53635.dgn			
EVEN TEMP INC. Highway 34 Waco, Nebraska 68780			
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SHEET: 1 OF 1			

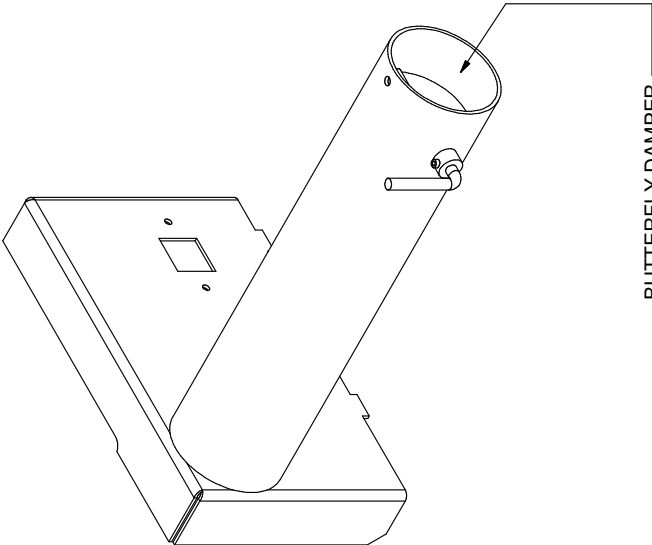
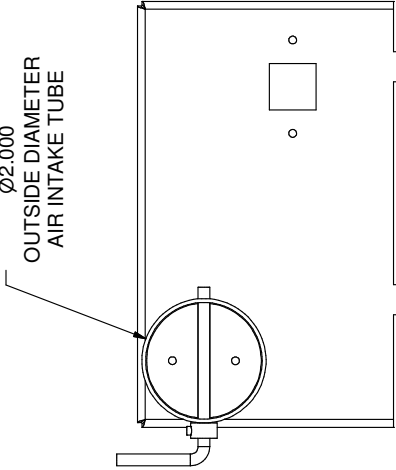
80P52964 DRAWING NO.		QUARTERLY AUDIT DRAWINGS FOR THE HASTINGS & GREENFIELD																					
		PRIMARY AIR INLET																					
		2" O.D. TUBE WITH BUTTERFLY DAMPER WITH PART # 80P52964																					
																							
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<table><tr><td colspan="2">EVEN TEMP INC. Highway 34 Waco, Nebraska 68780</td><td colspan="2">DESCRIPTION: AIR INTAKE BOX WELDMENT</td></tr><tr><td>DRAWN BY:</td><td>5/22/2015</td><td>REVISION:</td><td>DRAWING NO:</td></tr><tr><td>CHKD BY:</td><td></td><td>A</td><td>80P52964</td></tr><tr><td>DESIGNER:</td><td>T. KRUMREI</td><td>NOTES:</td><td>SHEET:</td></tr><tr><td>FILE:</td><td>80P52964.iain</td><td></td><td></td></tr></table>				EVEN TEMP INC. Highway 34 Waco, Nebraska 68780		DESCRIPTION: AIR INTAKE BOX WELDMENT		DRAWN BY:	5/22/2015	REVISION:	DRAWING NO:	CHKD BY:		A	80P52964	DESIGNER:	T. KRUMREI	NOTES:	SHEET:	FILE:	80P52964.iain		
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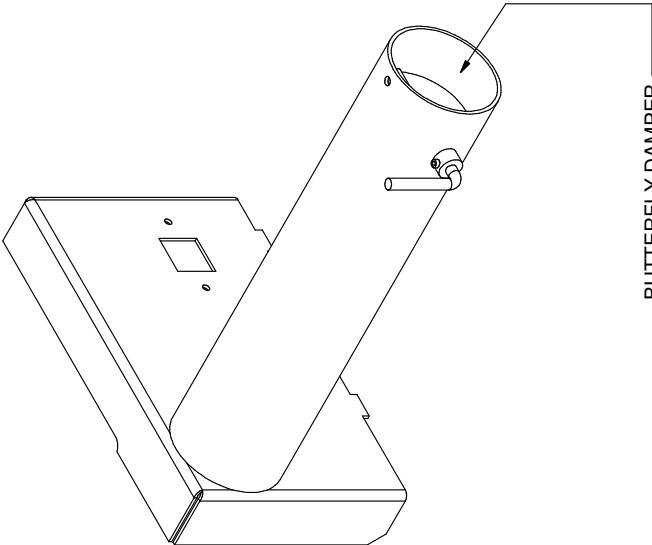
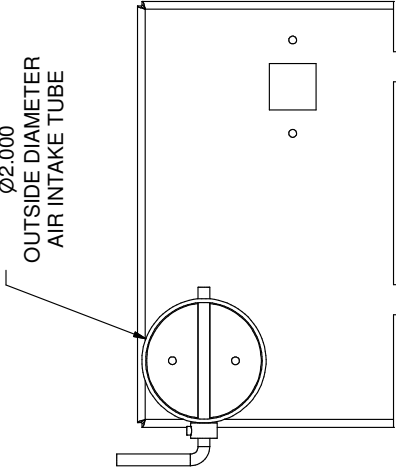
80P52964 DRAWING NO.					
QUARTERLY AUDIT DRAWINGS FOR THE HASTINGS & GREENFIELD PRIMARY AIR INLET 2" O.D. TUBE WITH BUTTERFLY DAMPER WITH PART # 80P52964 BUTTERFLY DAMPER Ø2.000 OUTSIDE DIAMETER AIR INTAKE TUBE					
		REVISION RECORD		INITDATE	
REV		DESCRIPTION			
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		FINISH:		DESIGNER: T. KRUMREI	
		FILE:		80P52964.iain	
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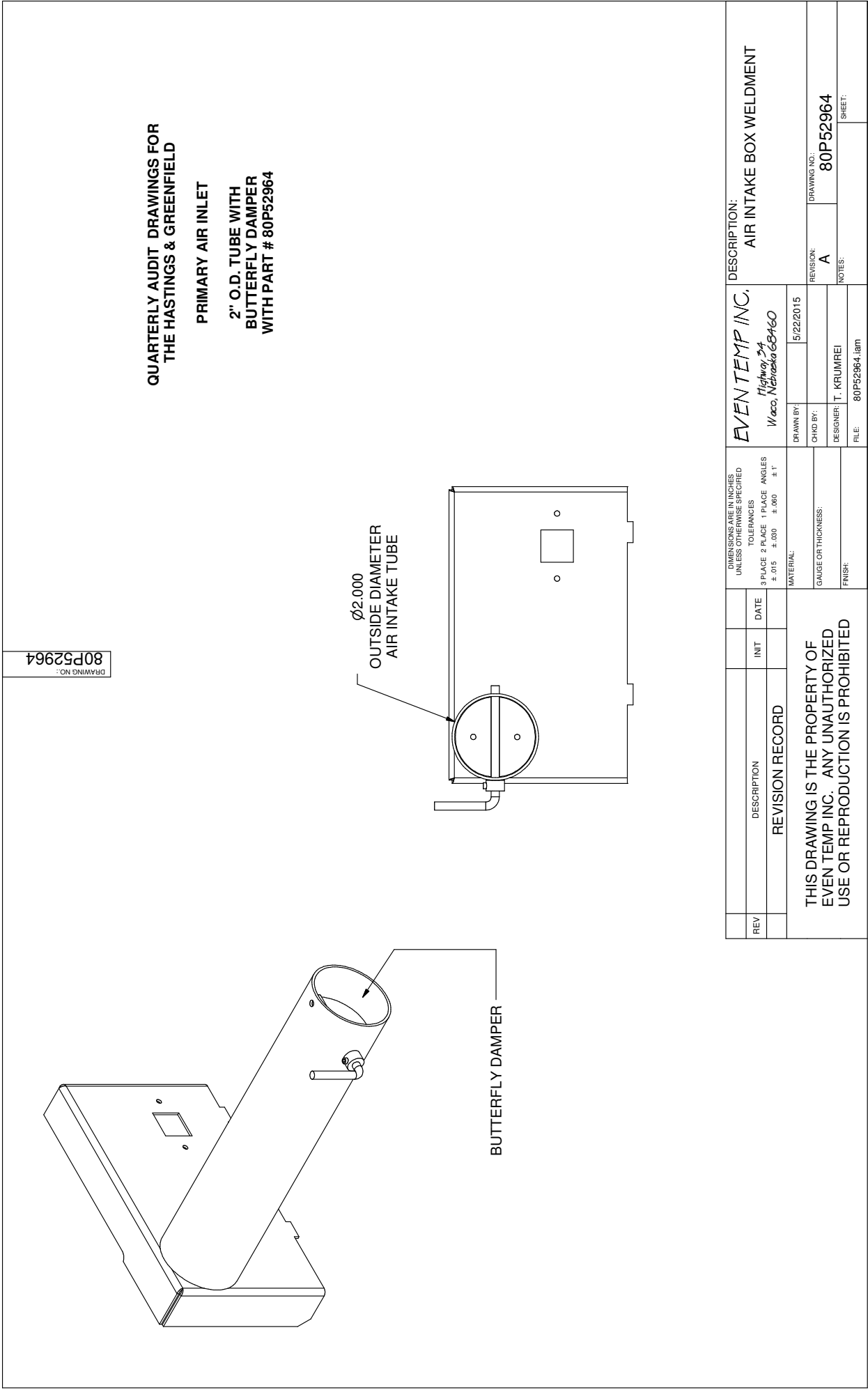
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		PRIMARY AIR INLET	
		2" O.D. TUBE WITH BUTTERFLY DAMPER WITH PART # 80P52964	
			
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		EVEN TEMP INC. Highway 34 Waco, Nebraska 68780	

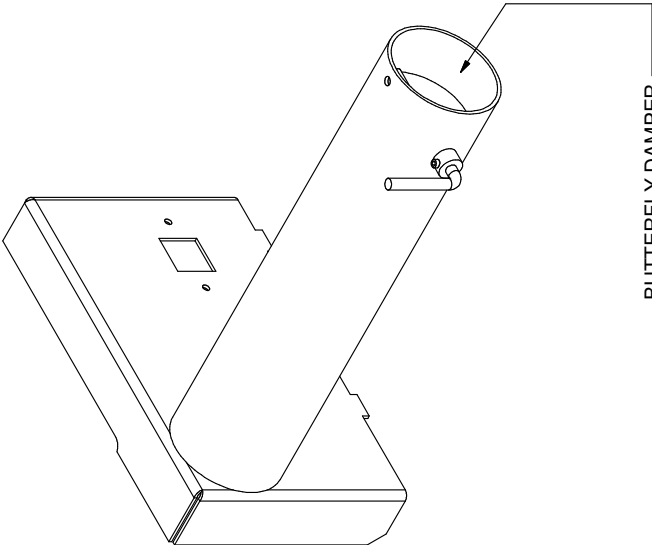
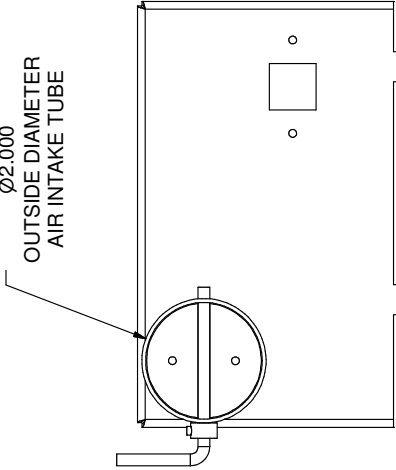
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		PRIMARY AIR INLET	
		2" O.D. TUBE WITH BUTTERFLY DAMPER WITH PART # 80P52964	
			
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		EVEN TEMP INC. Highway 34 Waco, Nebraska 68780	

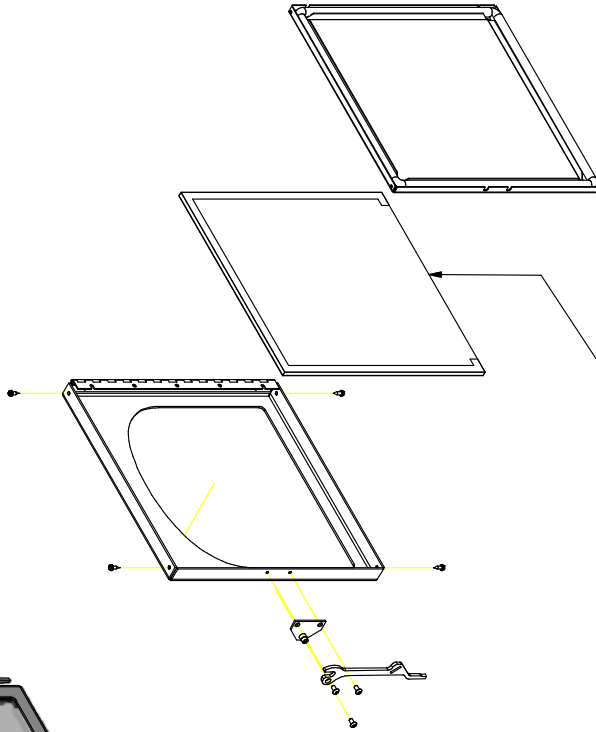
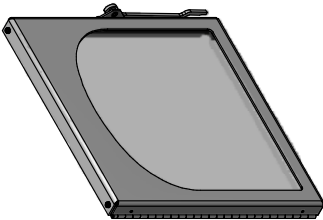


80P52964 DRAWING NO. -		QUARTERLY AUDIT DRAWINGS FOR THE HASTINGS & GREENFIELD	
		PRIMARY AIR INLET	
		2" O.D. TUBE WITH BUTTERFLY DAMPER WITH PART # 80P52964	
			
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		EVEN TEMP INC. Highway 34 Waco, Nebraska 68780	

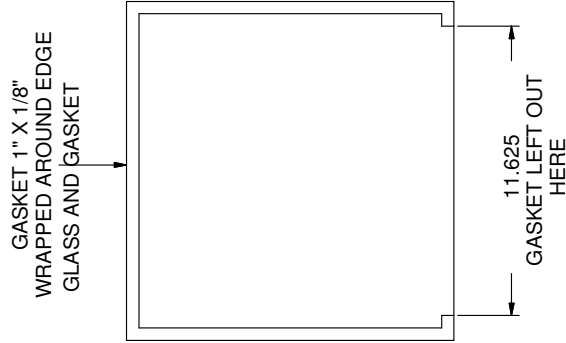
80P52964 DRAWING NO. -		QUARTERLY AUDIT DRAWINGS FOR THE HASTINGS & GREENFIELD	
		PRIMARY AIR INLET	
		2" O.D. TUBE WITH BUTTERFLY DAMPER WITH PART # 80P52964	
			
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		SHEET:	
		DESCRIPTION: AIR INTAKE BOX WELDMENT	
		EVEN TEMP INC. Highway 34 Waco, Nebraska 68780	



80P52964 DRAWING NO. -		QUARTERLY AUDIT DRAWINGS FOR THE HASTINGS & GREENFIELD	
		PRIMARY AIR INLET	
		2" O.D. TUBE WITH BUTTERFLY DAMPER WITH PART # 80P52964	
			
THIS DRAWING IS THE PROPERTY OF EVEN TEMP INC. ANY UNAUTHORIZED USE OR REPRODUCTION IS PROHIBITED		DIMENSIONS ARE IN INCHES UNLESS OTHERWISE SPECIFIED TOLERANCES 3 PLACE 2 PLACE 1 PLACE ANGLES ± .015 ± .000 ± .000 ± .1°	
DESCRIPTION		INIT	DATE
REVISION RECORD			
MATERIAL:		DRAWN BY: 5/22/2015	
GAUGE OR THICKNESS:		CHKD BY:	
FINISH:		DESIGNER: T. KRUMREI	
		FILE: 80P52964.iain	
		NOTES:	
		REVISION: A	
		DRAWING NO: 80P52964	
		SHEET:	
		DESCRIPTION: AIR INTAKE BOX WELDMENT	
		EVEN TEMP INC. Highway 34 Waco, Nebraska 68780	



SECONDARY AIR INLET
BUILT INTO DOOR
HERE

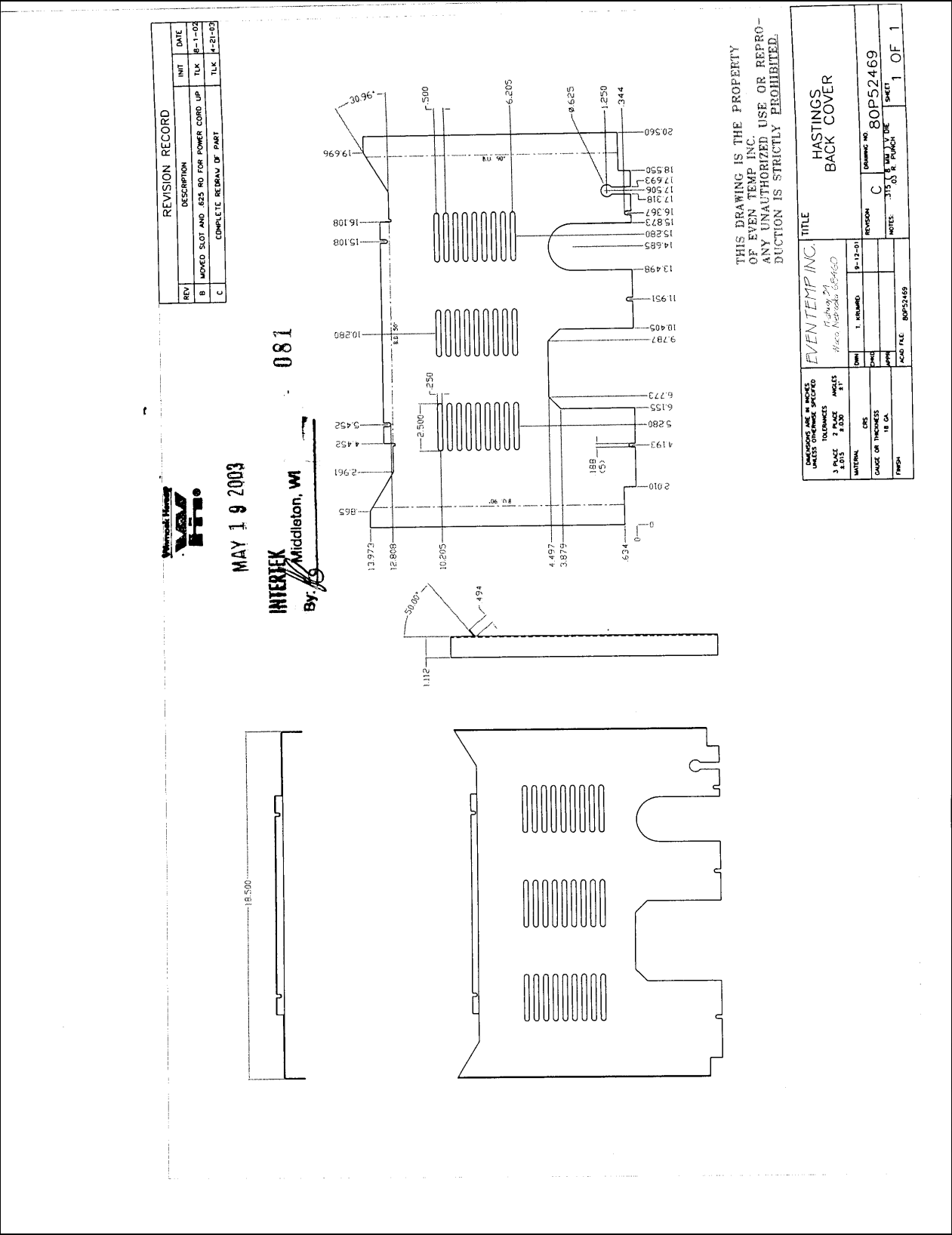


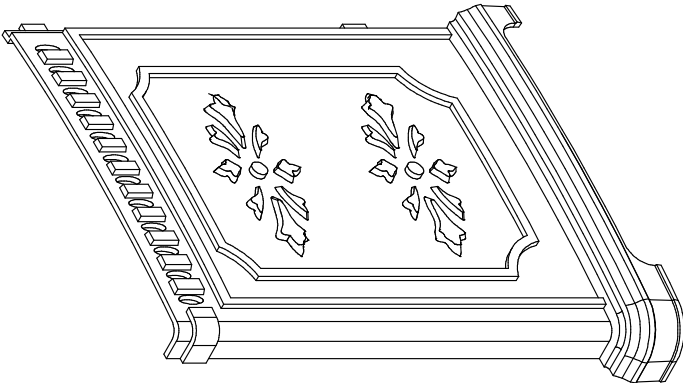
80P53635
DRAWING NO.:

QUARTERLY AUDIT DRAWINGS FOR
THE HASTINGS & GREENFIELD
SECONDARY AIR INLET
(AIRWASH)
BUILT INTO DOOR
WITH PART # 80P53635

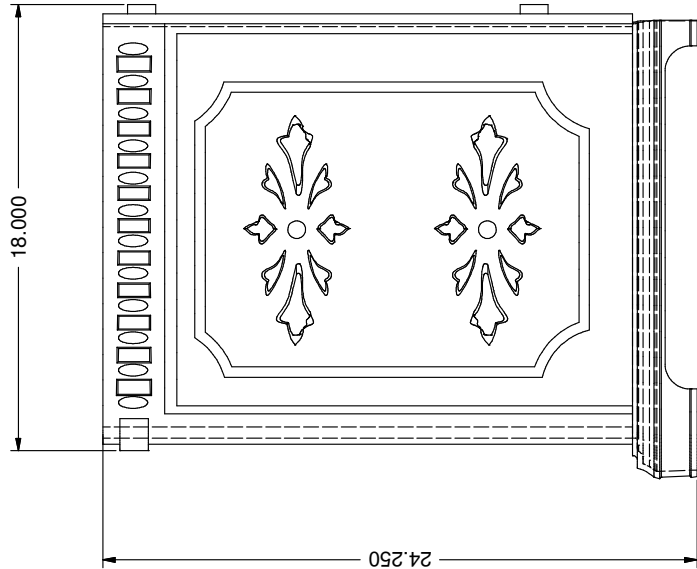
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REVISION RECORD			
THIS DRAWING IS THE PROPERTY OF EVEN TEMP INC. ANY UNAUTHORIZED USE OR REPRODUCTION IS PROHIBITED			
DIMENSIONS ARE IN INCHES UNLESS OTHERWISE SPECIFIED TOLERANCES 3 PLACE 2 PLACE 1 PLACE ANGLES ± .015 ± .030 ± .060 ± 1°			
MATERIAL			
GAGE OR THICKNESS:			
FINISH:			
DRAWN BY: T. KRUMREI 5/22/2015			
CHKD BY:			
DESIGNER: T. KRUMREI			
FILE: 80P53635.dgn			
EVEN TEMP INC. Highway 34 Waco, Nebraska 68780			
DESCRIPTION: DOOR ASSEMBLY COMPLETE			
REVISION: B			
DRAWING NO: 80P53635			
NOTES:			
SHEET: 1 OF 1			

80P52469 BACK COVER



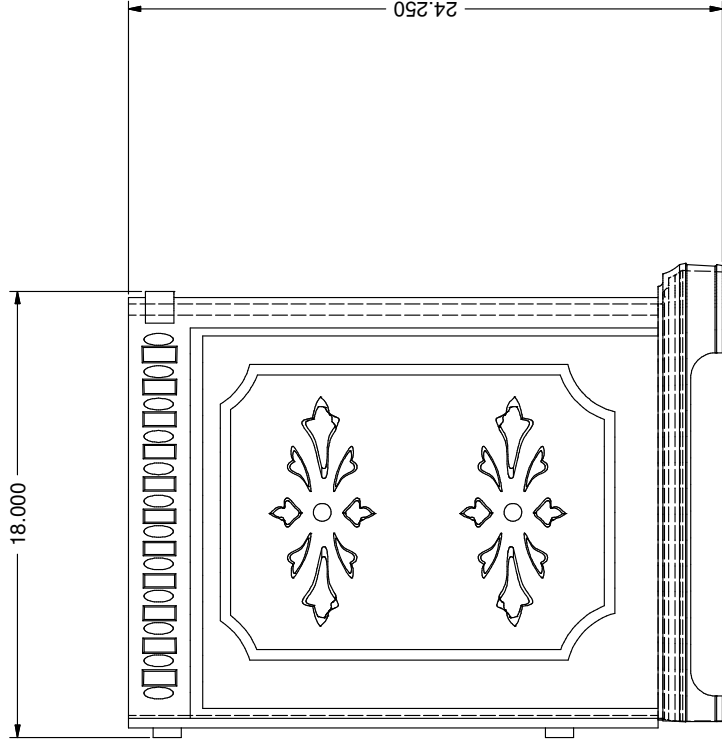
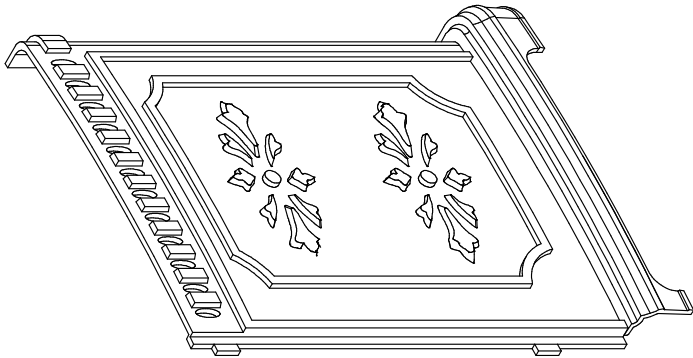


80P20090
DRAWING NO.:



REV	DESCRIPTION	INIT	DATE	DIMENSIONS ARE IN INCHES UNLESS OTHERWISE SPECIFIED TOLERANCES 3 PLACE 2 PLACE 1 PLACE ANGLES ± .015 ± .030 ± .060 ± 1°	
REVISION RECORD				MATERIAL	
				GAUGE OR THICKNESS:	
				FINISH:	
				THIS DRAWING IS THE PROPERTY OF EVEN TEMP INC. ANY UNAUTHORIZED USE OR REPRODUCTION IS PROHIBITED	
				DRAWN BY: 10/31/2022	
				CHKD BY:	
				DESIGNER: mtriley	
				FILE: 80P20090.jpg	
				REVISION: A	
				NOTES:	
				DRAWING NO: 80P20090	
				SHEET:	
				DESCRIPTION: CAST SIDE PANEL - RH	

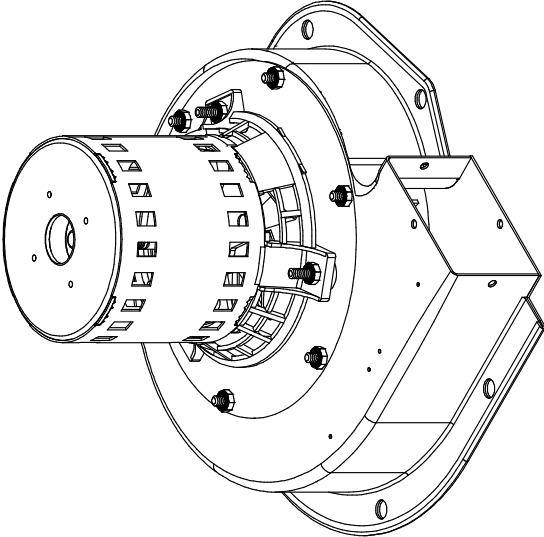
EVEN TEMP INC,
Highway 34
Waco, Nebraska 68786

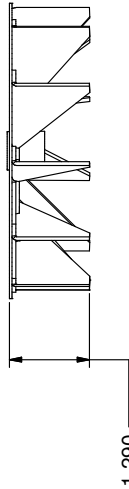


80P20092
DRAWING NO.:

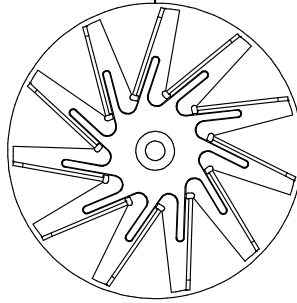
REV	DESCRIPTION	INIT	DATE	DIMENSIONS ARE IN INCHES UNLESS OTHERWISE SPECIFIED TOLERANCES 3 PLACE 2 PLACE 1 PLACE ANGLES ± .015 ± .030 ± .060 ± 1°	
REVISION RECORD				MATERIAL	
THIS DRAWING IS THE PROPERTY OF EVEN TEMP INC. ANY UNAUTHORIZED USE OR REPRODUCTION IS PROHIBITED				GAUGE OR THICKNESS:	
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				DRAWN BY: 10/31/2022	
				CHKD BY:	
				DESIGNER: mtriley	
				NOTES:	
				REVISION: A	
				DRAWING NO: 80P20092	
				SHEET:	
				DESCRIPTION: CAST SIDE PANEL - LH	

EVEN TEMP INC,
Highway 34
Waco, Nebraska 68780

80P30521 DRAWING NO.				FASCO PART NUMBER 7021-12038 ST CROIX PART NUMBER 80P30521	
THIS DRAWING IS THE PROPERTY OF EVEN TEMP INC. ANY UNAUTHORIZED USE OR REPRODUCTION IS PROHIBITED		REVISION RECORD		DESCRIPTION	
REV		DESCRIPTION	INIT	DATE	
		DIMENSIONS ARE IN INCHES UNLESS OTHERWISE SPECIFIED		TOLERANCES	
		3 PLACE 2 PLACE 1 PLACE ANGLES		± .015 ± .000 ± .000 ± 1°	
		MATERIAL		DRAWN BY: 5/23/2007	
		GAUGE OR THICKNESS:		CHKD BY:	
		FINISH:		DESIGNER: T. KRUMREI	
				FILE: 80P30521.ipt	
		EVEN TEMP INC. Highway 34 Waco, Nebraska 68780		DESCRIPTION: COMBUSTION FAN	
		REVISION: A		DRAWING NO.: 80P30521	
		NOTES:		SHEET:	



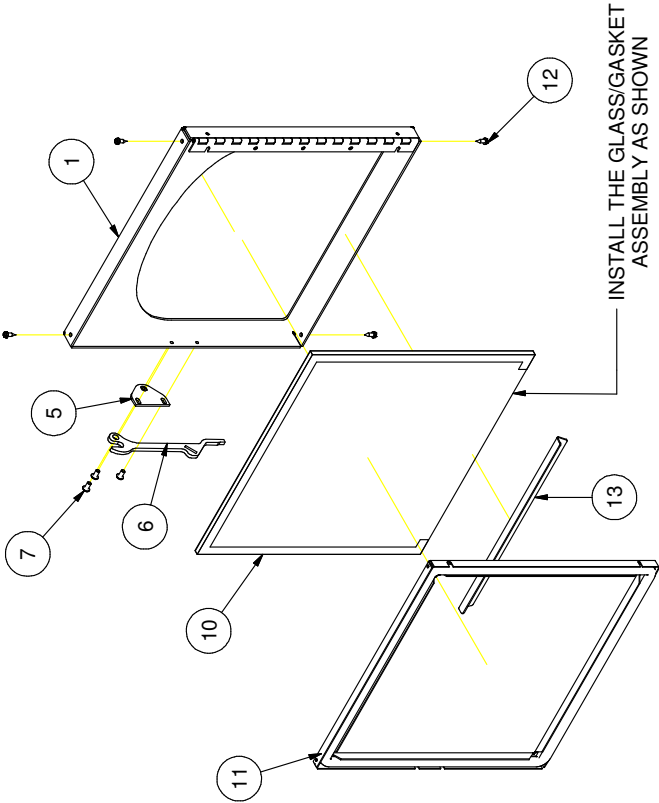
Ø4.750



REV	DESCRIPTION	INIT	DATE	DIMENSIONS ARE IN INCHES UNLESS OTHERWISE SPECIFIED		EVEN TEMP INC., Highway 34 Waco, Nebraska 68780		DESCRIPTION: COMBUSTION FAN	
REVISION RECORD								REVISION:	DRAWING NO.:
								A	80P30521
								NOTES:	SHEET:
								FILE:	80P30521 .iam
								DESIGNER:	T. KRUMREI
								CHD BY:	
								DRAWN BY:	5/23/2007
								MATERIAL:	
								GAUGE OR THICKNESS:	
								FINISH:	
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NOTES:

1. SLIDE THE GLASS IN THE DOOR, WITH THE PART WITHOUT THE GASKET TO THE BOTTOM OF THE DOOR. PLACE THE GLASS RETAINER IN THE DOOR BY LINING UP THE 2 SLOTS IN THE RETAINER WITH THE SCREW HOLES FOR THE MOUNT PLATE. SCREW THE RETAINER IN PLACE.
2. FINAL STEP AFTER ASSEMBLING THE GLASS AND GASKET RERATINER INTO THE DOOR, IS TO INSERT THE AIRWASH BLOCK TO CLOSE THE AIRWASH GAP.



Parts List			
ITEM	QTY	PART NUMBER	DESCRIPTION
1	1	80P53634	DOOR WELDMENT
5	1	80P53677	MOUNT PLATE ASSEMBLY
6	1	80P52670	DOOR HANDLE
7	3	10-24X3-8BSHCS	BUTTON SOCKET HEAD CAP SCREW
10	1	80P53635-1	GLASS AND GASKET ASSEMBLY
11	1	80P53635-2	GASKET CHANNEL & GASKET ASSEMBLY
12	4	50-01-00156	#8 X 1/2 SELF PIERCING SCREW
13	1	80P31341	AIR WASH BLOCK

80P53635
DRAWING NO.:

C	AIR WASH BLOCK ADDED	TLK	10-30-22	DIMENSIONS ARE IN INCHES UNLESS OTHERWISE SPECIFIED TOLERANCES 3 PLACE 2 PLACE 1 PLACE ANGLES ± .015 ± .030 ± .060 ± 1°		EVEN TEMP INC. Highway 34 Waco, Nebraska 68786	DESCRIPTION: DOOR ASSEMBLY COMPLETE
REV	DESCRIPTION	INIT	DATE				
REVISION RECORD				MATERIAL:		DRAWN BY: T. KRUMREI	11/15/2005
THIS DRAWING IS THE PROPERTY OF EVEN TEMP INC. ANY UNAUTHORIZED USE OR REPRODUCTION IS PROHIBITED				GAUGE OR THICKNESS:		CHKD BY:	REVISION: C
				FINISH:		DESIGNER: T. KRUMREI	NOTES:
				FILE: 80P53635.dwg		80P53635	SHEET: 1 OF 1

80P53635-1

DRAWING NO.: 80P53635-1

Parts List

ITEM	QTY	PART NUMBER	DESCRIPTION
1	1	80P20129	GLASS
2	40"	80P20022	GLASS GASKET

Isometric view of a glass corner assembly. A yellow line indicates the gasket application area around the edge of the glass. Dimensions of 1.000 are shown for the gasket thickness and the distance from the corner.

1.000

1.000

APPLY 1"X.125" FLAT GASKET BY WRAPPING GASKET AROUND EDGE OF GLASS, STARTING 1" FROM BOTTOM CORNER AND ENDING 1" FROM THE OPPOSITE CORNER

REV	DESCRIPTION	INIT	DATE
REVISION RECORD			

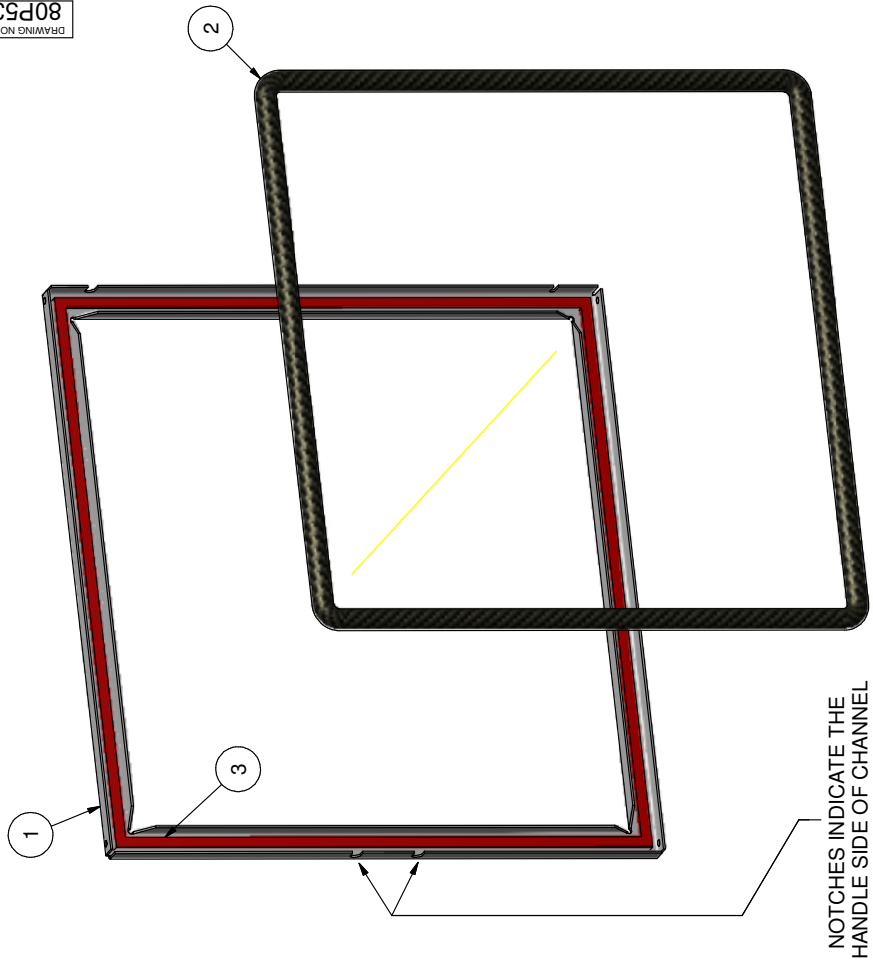
DIMENSIONS ARE IN INCHES UNLESS OTHERWISE SPECIFIED		TOLERANCES	
3 PLACE	2 PLACE	1 PLACE	ANGLES
± .015	± .000	± .000	± 1°

MATERIAL		DRAWN BY: T. KRUMREI 12/8/2011	
GAUGE OR THICKNESS:		CHKD BY:	
FINISH:		DESIGNER: T. KRUMREI	
		FILE: 80P53635-1.iam	

DESCRIPTION: GLASS AND GASKET ASSEMBLY	
REVISION: A	DRAWING NO: 80P53635-1
NOTES:	SHEET: 1 OF 1

80P53635-2
DRAWING NO.

Parts List			
ITEM	QTY	PART NUMBER	DESCRIPTION
1	1	80P52515	GLASS RETAINER
2	53"	80P20132	7/8" DOOR GASKET
3	1	HB1000	RED HIGH TEMP SILICONE



- NOTES:
- 1 - INSERT A .25" BEAD OF RED SILICONE INTO THE GASKET CHANNEL.
 - 2 - PLACE THE DOOR GASKET AROUND THE CHANNEL. DO NOT STRETCH THE GASKET WHILE INSERTING IT.
 - 3. START THE DOOR GASKET IN THE CENTER OF THE CHANNEL ON THE HINGE SIDE OF THE DOOR. USE FIBERGLASS TAPE ON BOTH ENDS OF THE GASKET.

REV	DESCRIPTION	INIT	DATE
REVISION RECORD			
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DIMENSIONS ARE IN INCHES UNLESS OTHERWISE SPECIFIED			
TOLERANCES			
3 PLACE 2 PLACE 1 PLACE ANGLES			
± .015 ± .000 ± .000 ± .1°			
MATERIAL			
GAUGE OR THICKNESS:			
FINISH:			
EVEN TEMP INC, Highway 34 Waco, Nebraska 68786		DRAWN BY: T. KRUMREI 12/8/2011	
DESCRIPTION: GASKET CHANNEL & GASKET ASSEMBLY		CHECKED BY:	
		DESIGNER: T. KRUMREI	
		FILE: 80P53635-2.lam	
		REVISION: A	
		DRAWING NO: 80P53635-2	
		NOTES:	
		SHEET: 1 OF 1	

80P53686
DRAWING NO.

1
2
3
4
5
6
7
8
15
16
17
18

PLACE ANTI-SEIZE HERE

39.0°

DETAIL C

NOTE THE PLACEMENT OF THE GEARBOX

TIGHTEN THE SETSCREW ON THE FLAT SPOT OF THE SHAFT

80P53686

Parts List

ITEM	QTY	PART NUMBER	DESCRIPTION
1	1	80P53685	HOPPER WELDMNT
2	1	80P52956	AUGER WELDMNT
4	1	80P50858	AUGER WASHER
5	1	80P20248	5/8" COLLAR
6	1	80P20245	AUGER GASKET
7	1	80P20278	AUGER MOTOR
8	1	80P30191	RETAINER BRKT.
15	1	80P54074	MOTOR MOUNT BRACKET AND END CAP
16	4	14-20KEPNUT	1/4 - 20 LOCKNUT
17	1	80P20076	SILVER SILICONE
18	3"	80P20022-3	1" GLASS GASKET

NOTES:

1 - APPLY ANTI-SEIZE TO THE END OF THE AUGER SHAFT AND SLIDE THE AUGER INTO THE AUGER TUBE.

2 - PLACE THE AUGER GASKET ON THE 4 THREADED STUDS.

3 - SLIDE THE AUGER WASHER ON THE END OF THE SHAFT AND FOLLOW WITH THE MOTOR MOUNT BRACKET AND END CAP.

4 - BOLT THE PLATE TO THE HOPPER USING 2 1/4-20 LOCK NUTS ON THE TOP TWO STUDS ONLY AND LEAVE LOOSE.

5 - SLIDE THE 5/8" COLLAR WITH SET SCREW ON THE AUGER SHAFT AND FOLLOW WITH THE AUGER MOTOR.

6 - STICK 3" OF THE FLAT GASKET TO THE RETAINER BRACKET TO PREVENT VIBRATION NOISE.

7 - ROTATE THE GEARBOX IN PLACE AND POSITION THE RETAINER BRACKET ON THE BOTTOM TWO THREADED STUDS AND TIGHTEN IN PLACE WITH TWO 1/4-20 LOCK NUTS. FINISH WITH TIGHTENING THE TOP TWO NUTS.

8 - SILICONE ALL SEAMS ON THE HOPPER THE INSURE IT IS AIRTIGHT.

REV

DESCRIPTION

INIT

DATE

REVISION RECORD

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DIMENSIONS ARE IN INCHES
UNLESS OTHERWISE SPECIFIED

TOLERANCES

3 PLACE 2 PLACE 1 PLACE ANGLES

± .015 ± .030 ± .060 ± .1°

MATERIAL

GAUGE OR THICKNESS:

FINISH:

DRAWN BY: AJ HANSEN | 11/9/2005

CHKD BY:

DESIGNER: T. KRUMREI

FILE: 80P53686.dwg

DESCRIPTION:
HOPPER ASSEMBLY

REVISION: A

DRAWING NO.: 80P53686

NOTES:

SHEET: 1 OF 1