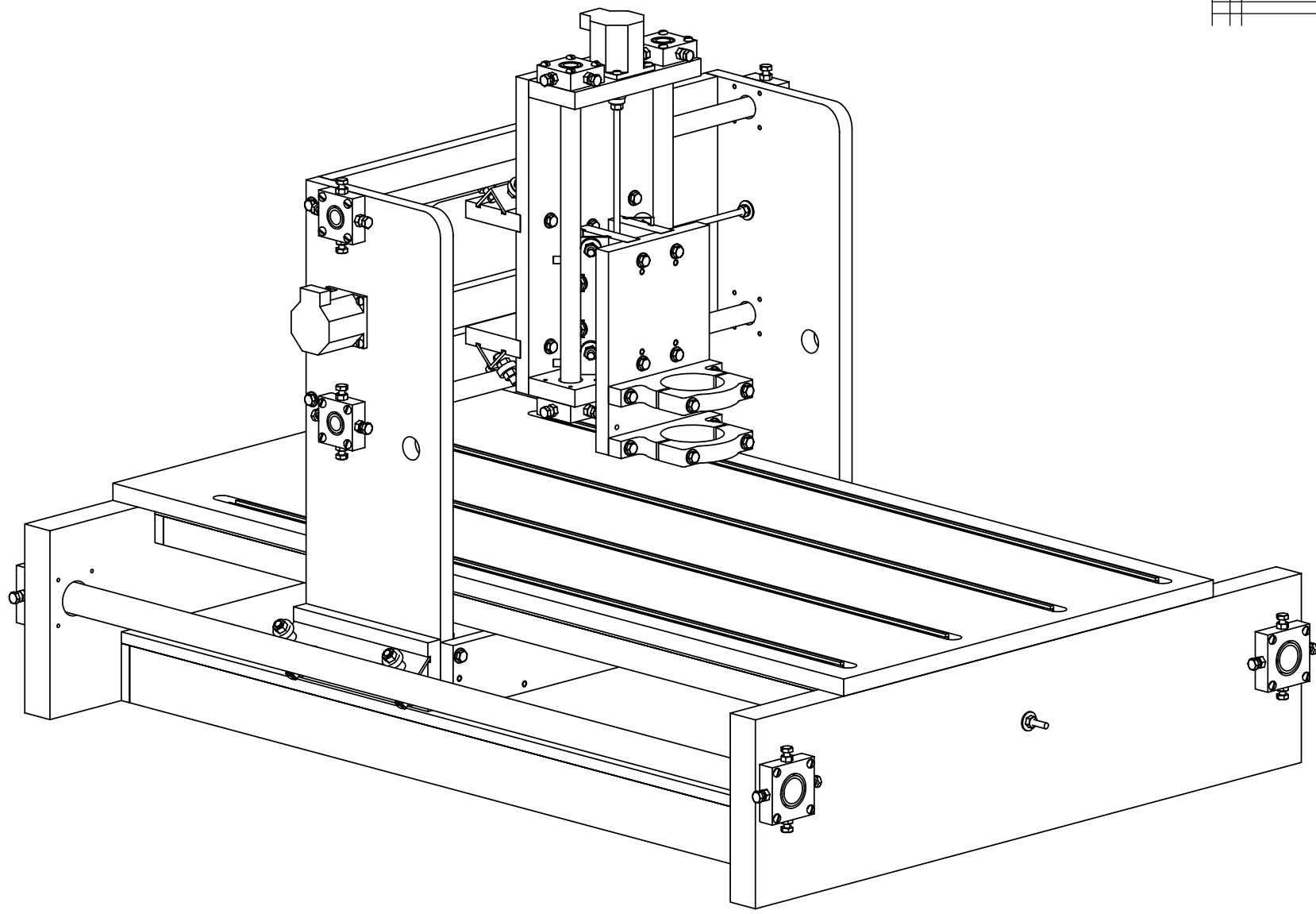
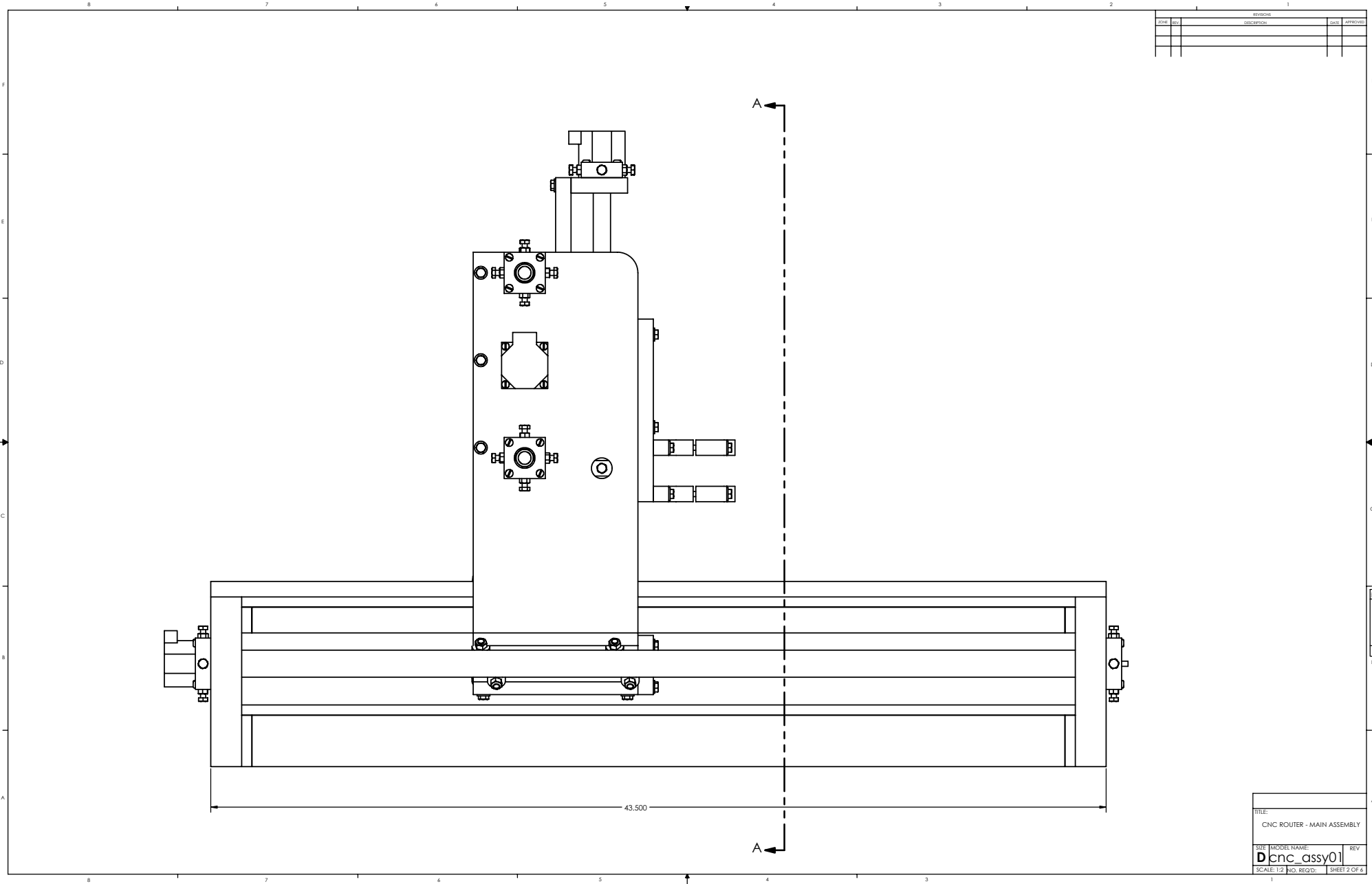


REVISED		DATE	APPROVED
ZONE	REV.		



TITLE:	
CNC ROUTER - MAIN ASSEMBLY	
SITE:	REV.
D cnc_assy01	
SCALE: 1:2	NO. REQ'D: SHEET 1 OF 6

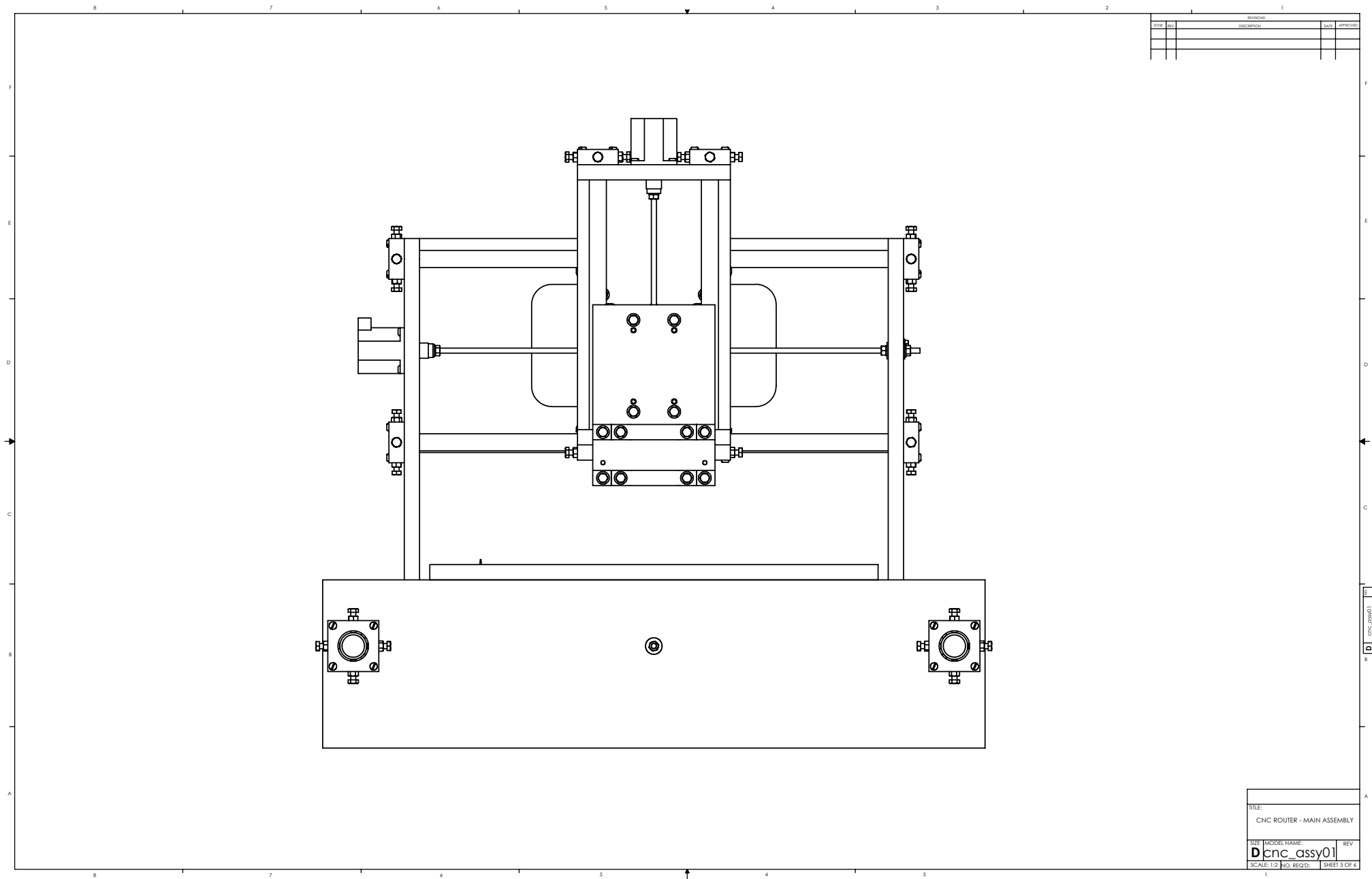
cnc_assy01



REVISCH		DATE		APPROVED	
ZONE	REV.	DESCRIPTION		DATE	APPROVED

TITLE			
CNC ROUTER - MAIN ASSEMBLY			
SITE	MODEL NAME	REV	
D	cnc_assy01		
SCALE: 1:2		NO. REQ'D	SHEET 2 OF 6

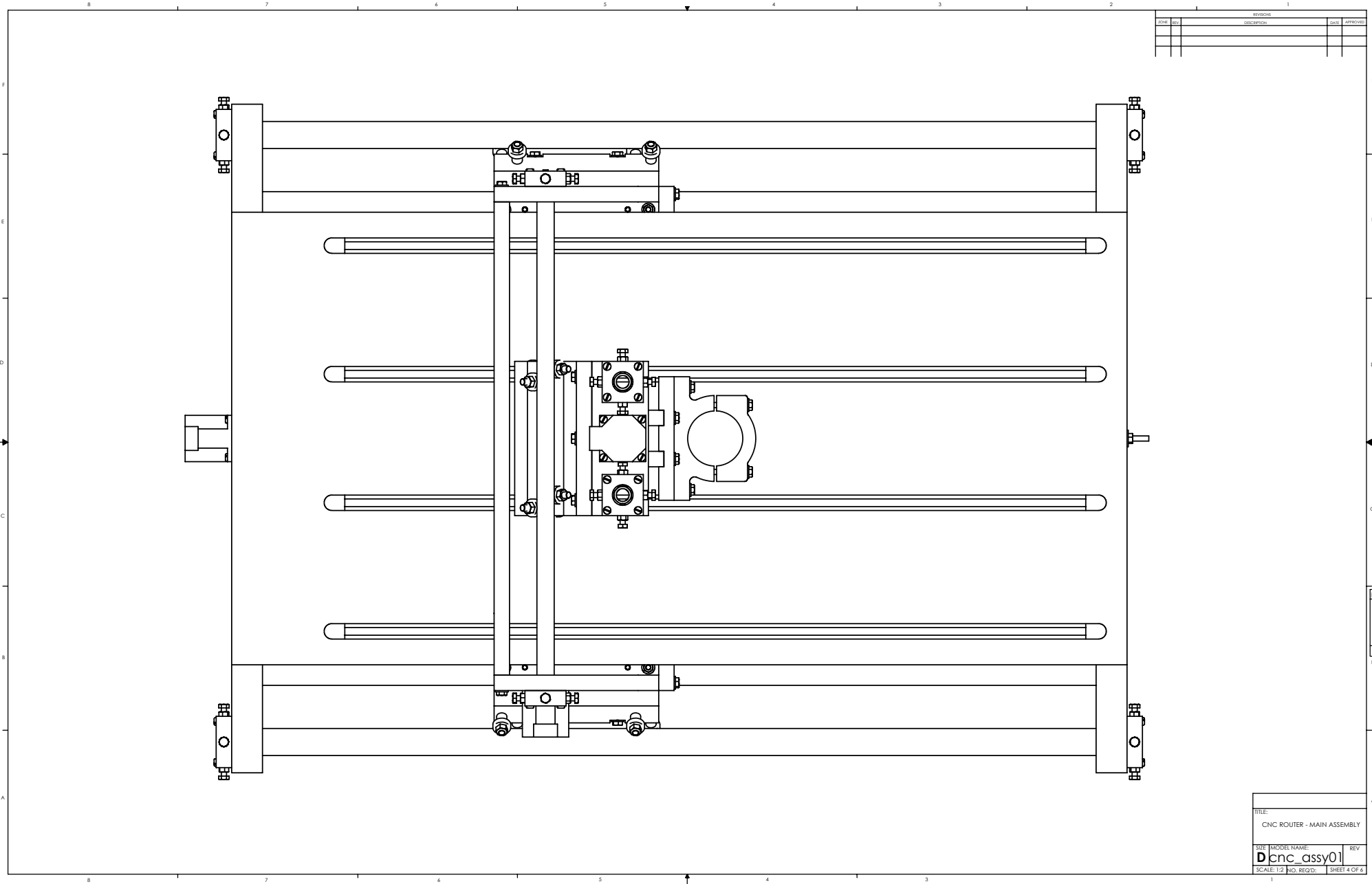
cnc_assy01
D

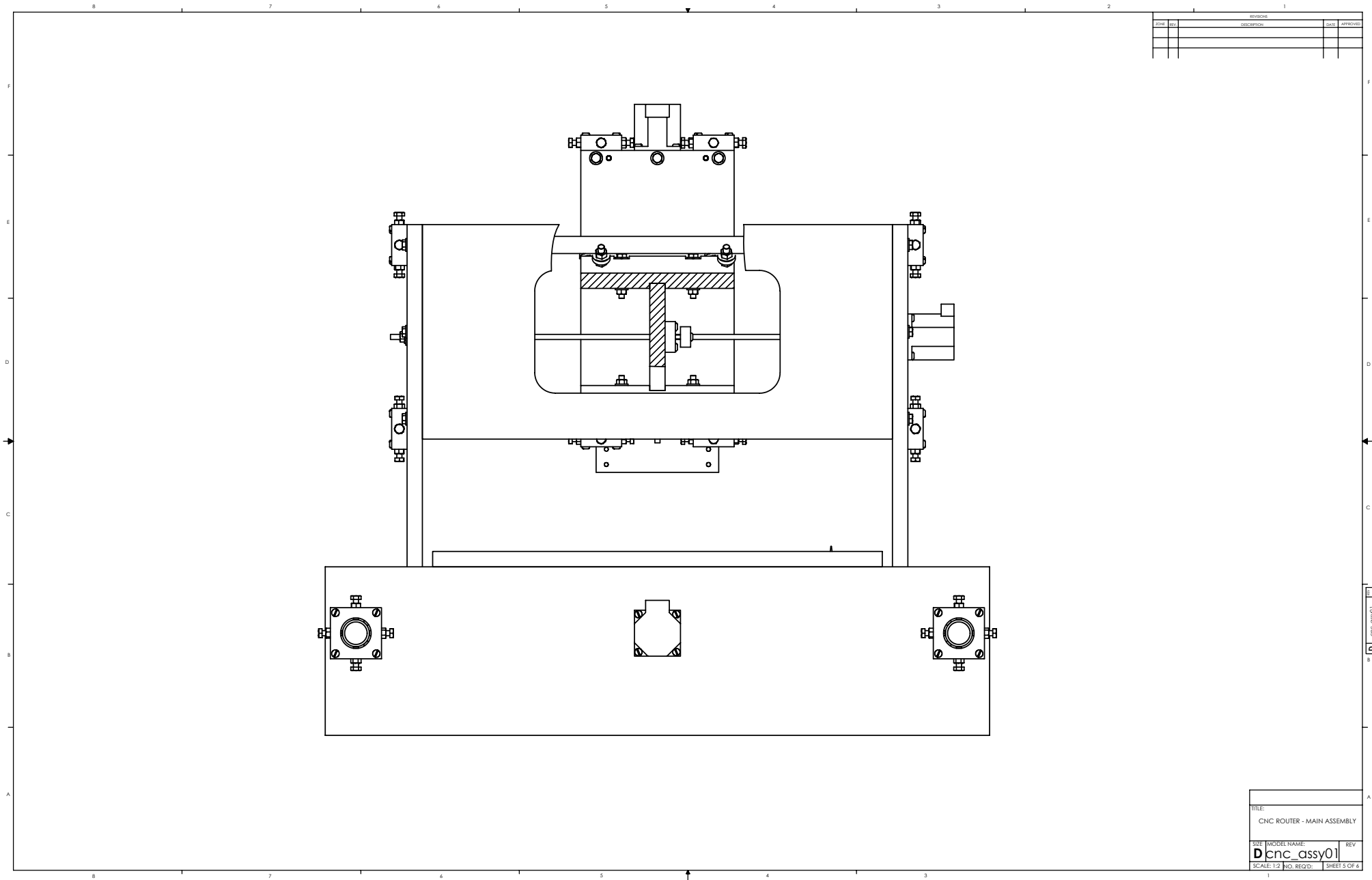


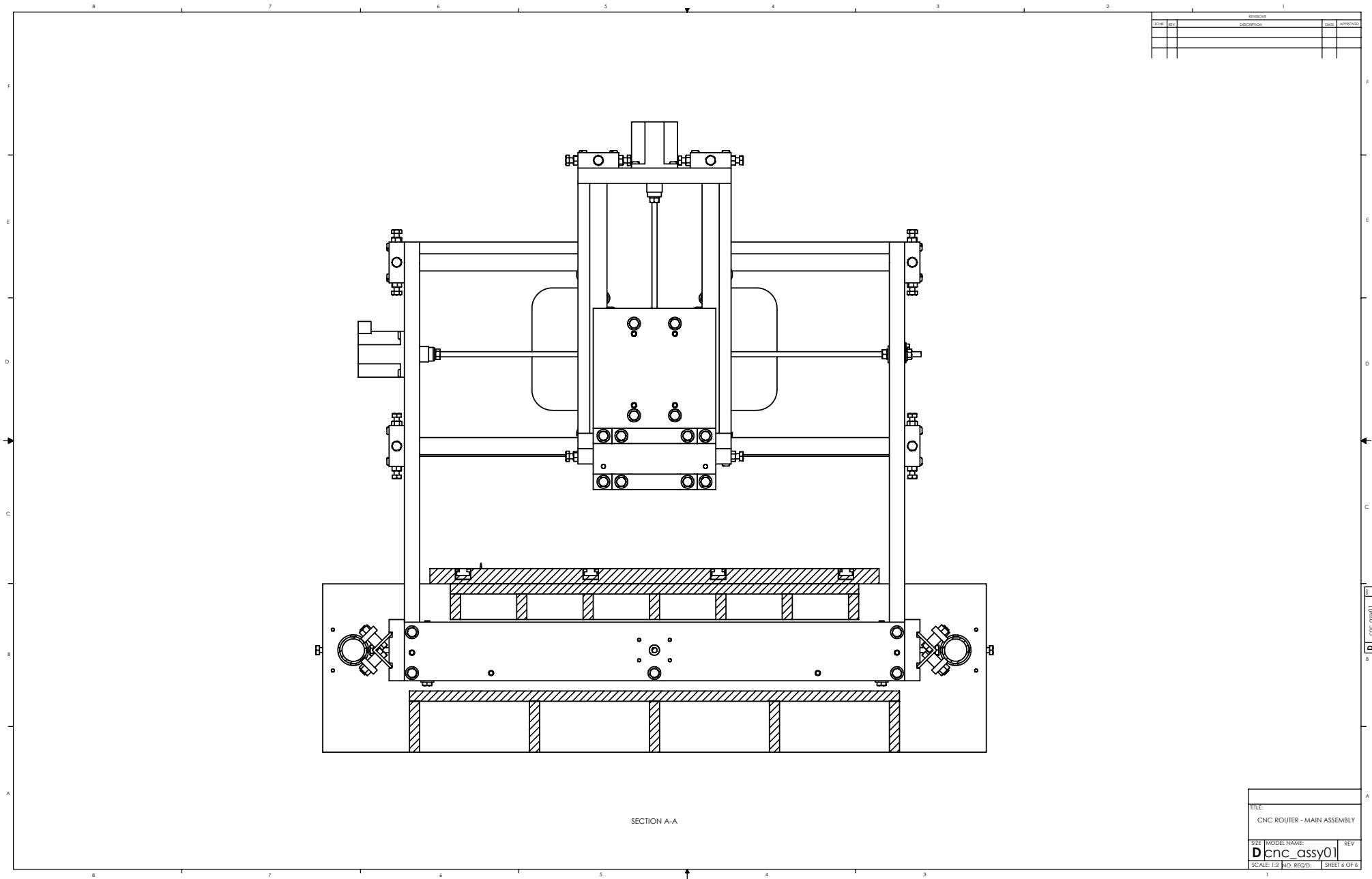
REVISIONS			
ZONE	REV.	DESCRIPTION	DATE

TITLE			
CNC ROUTER - MAIN ASSEMBLY			
SITE	MODEL NAME	REV	
D	cnc_assy01		
SCALE: 1:2		NO. REQ'D:	SHEET 3 OF 6

D
cnc_assy01

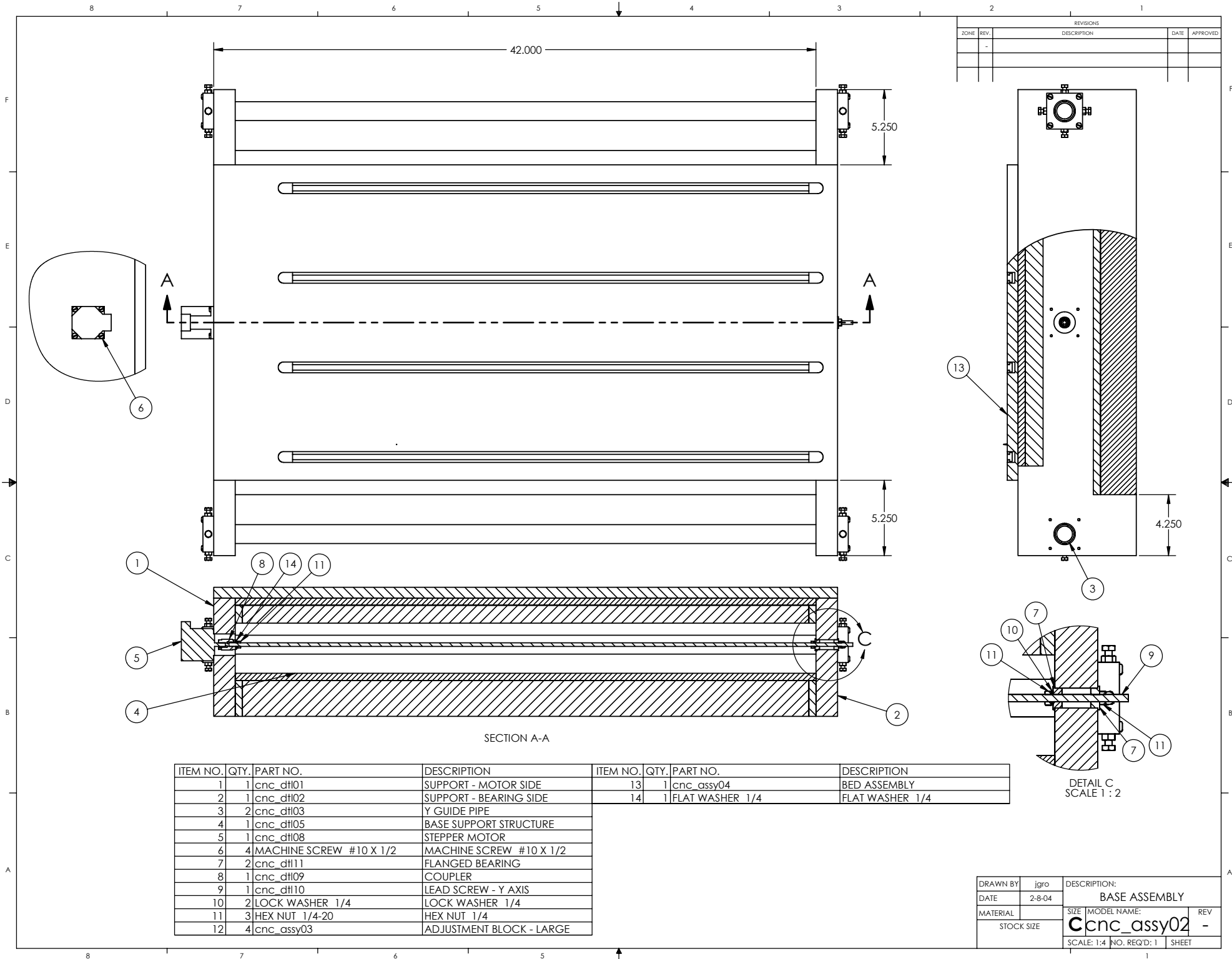






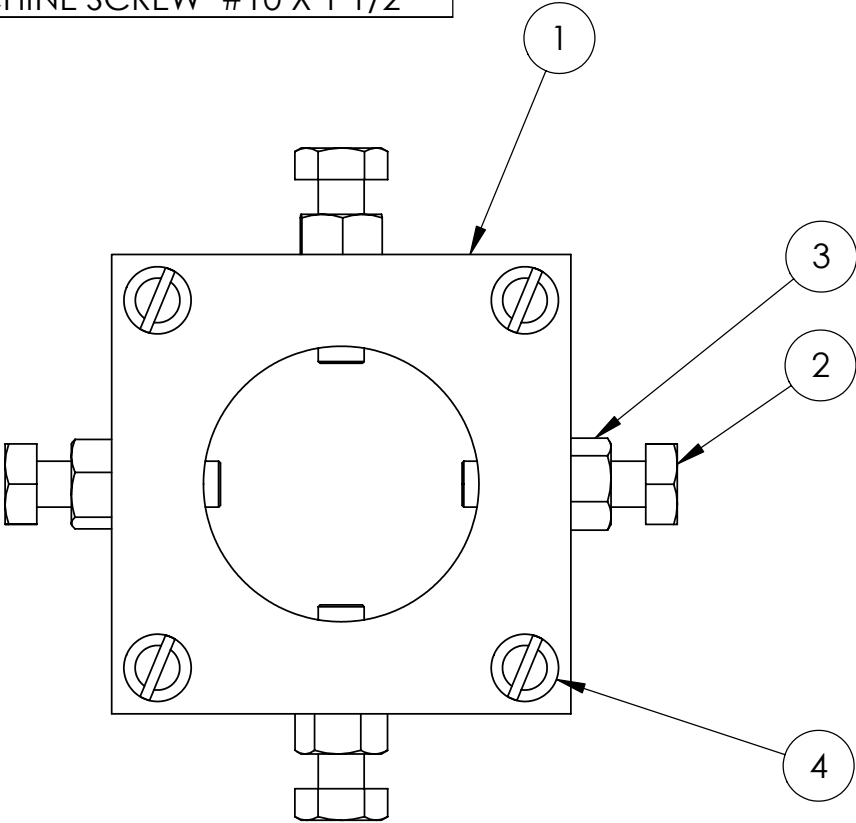
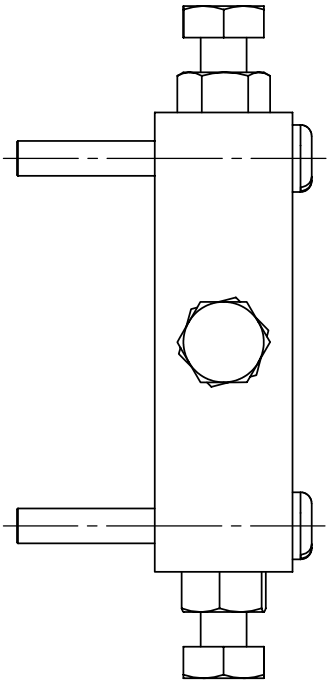
REVISIONS			
ZONE	REV.	DESCRIPTION	DATE

TITLE		
CNC ROUTER - MAIN ASSEMBLY		
SITE	MODEL NAME	REV
D	cnc_assy01	
SCALE: 1:2	NO. REQ'D:	SHEET 6 OF 6



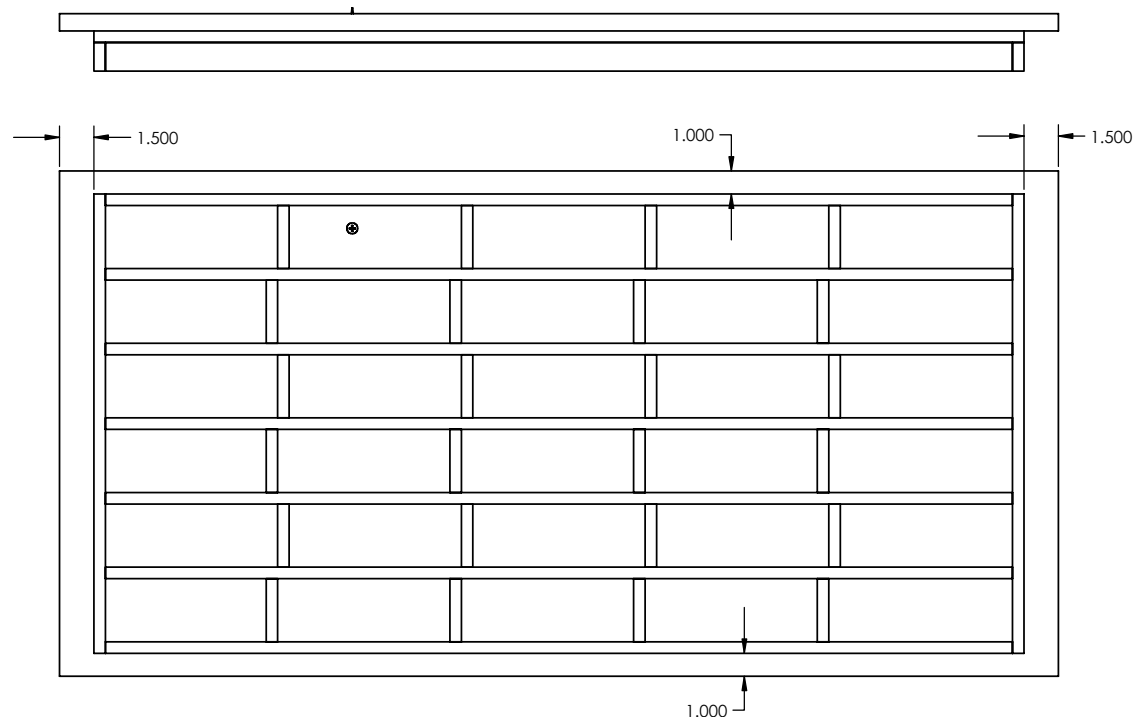
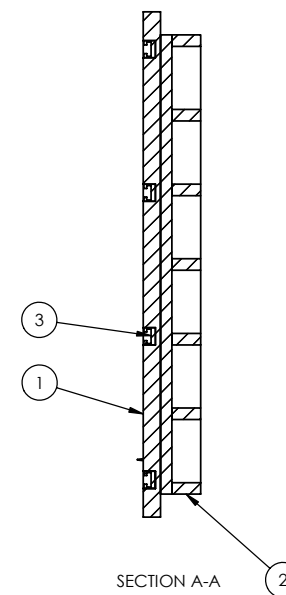
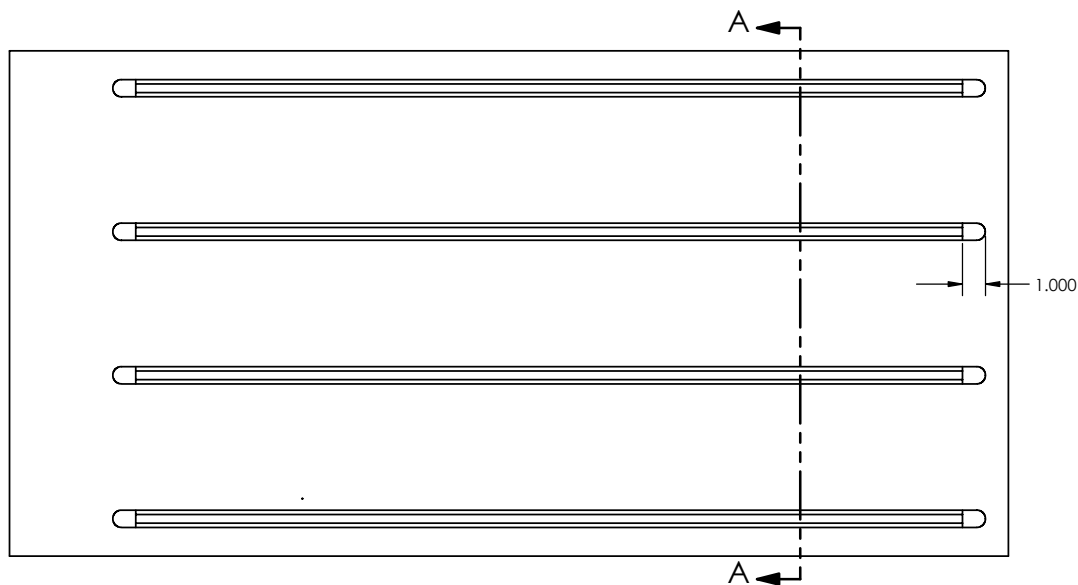
REVISIONS		DATE	APPROVED
ZONE	REV.		

ITEM NO.	QTY.	PART NO.	DESCRIPTION
1	1	cnc_dtl07	ADJUSTMENT BLOCK - LARGE
2	4	HEX HEAD BOLT 1/4-20 X 1	HEX HEAD BOLT 1/4-20 X 1
3	4	HEX NUT 1/4-20	HEX NUT 1/4
4	4	MACHINE SCREW #10 X 1 1/2	MACHINE SCREW #10 X 1 1/2



DRAWN BY	jgro	DESCRIPTION:		
DATE	2/8/2004	ADJUSTMENT BLOCK - LARGE		
MATERIAL		SIZE	MODEL NAME:	REV
STOCK SIZE		A	cnc_assy03	-
		SCALE: 1:1	NO. REQ'D:	SHEET

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	-			

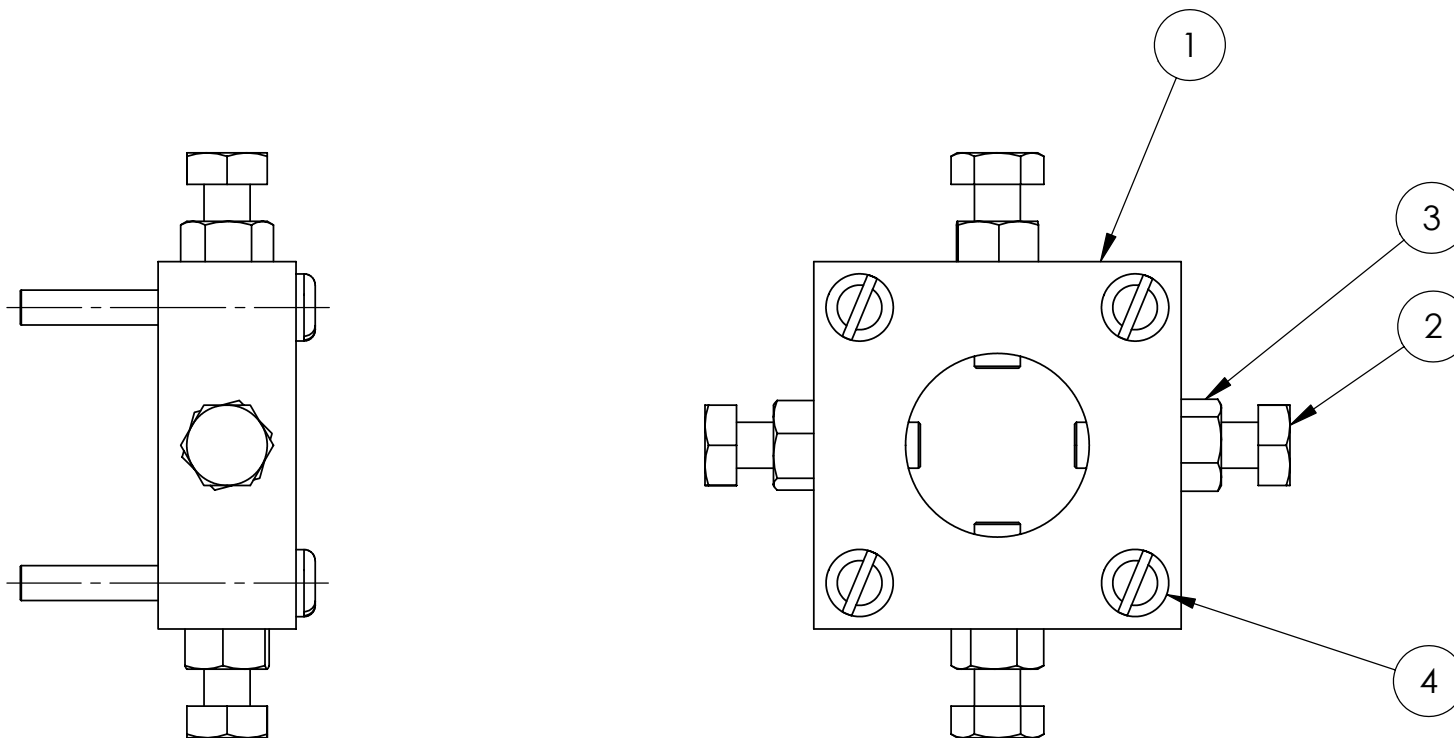


ITEM NO.	QTY.	PART NO.	DESCRIPTION
1	1	cnc_dtl04	CUTTING BED
2	1	cnc_dtl06	BED SUPPORT
3	4	cnc_dtl12	HOLD DOWN CHANNEL
4	1	wood screw	WOOD SCREW

DRAWN BY	jgro	DESCRIPTION: BED ASSEMBLY			
DATE	2-8-04				
MATERIAL		SIZE	MODEL NAME:	REV	
STOCK SIZE		Cncnc_assy04			-
		SCALE: 1:4	NO. REQ'D: 1	SHEET	

REVISIONS		DATE	APPROVED
ZONE	REV.		

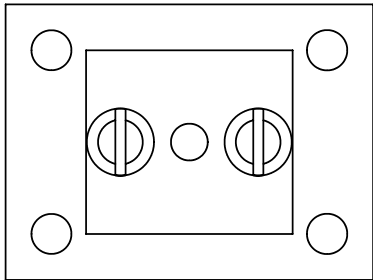
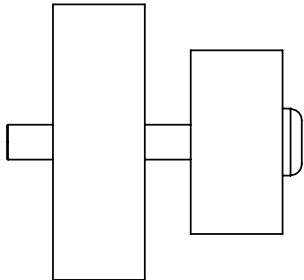
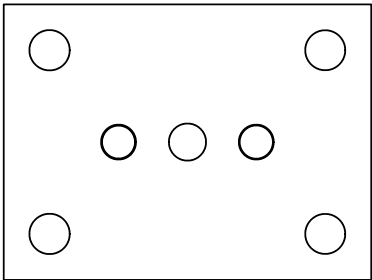
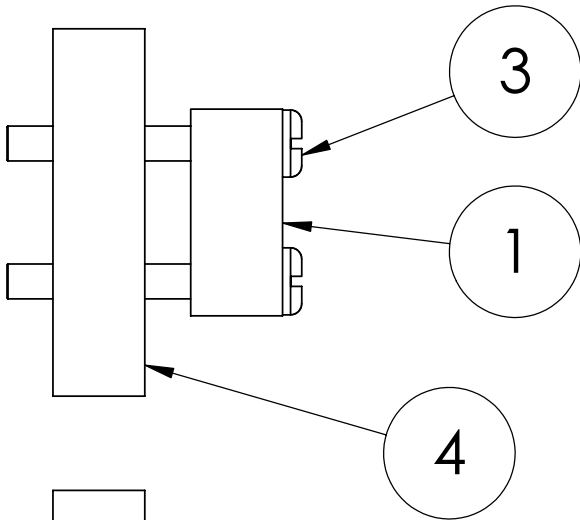
ITEM NO.	QTY.	PART NO.	DESCRIPTION
1	1	cnc_dtl13	ADJUSTMENT BLOCK - SMALL
2	4	HEX HEAD BOLT 1/4-20 X 1	HEX HEAD BOLT 1/4-20 X 1
3	4	HEX NUT 1/4-20	HEX NUT 1/4
4	4	MACHINE SCREW #10 X 1 1/2	MACHINE SCREW #10 X 1 1/2



DRAWN BY	jgro	DESCRIPTION:		
DATE	2/11/2004	ADJUSTMENT BLOCK ASSY		
MATERIAL		SIZE	MODEL NAME:	REV
STOCK SIZE		A	cnc_assy05	-
		SCALE: 1:1	NO. REQ'D: 8	SHEET

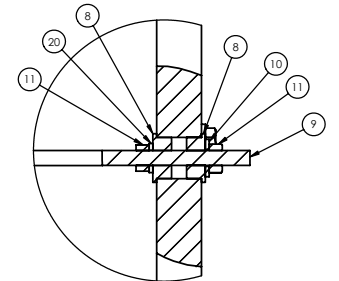
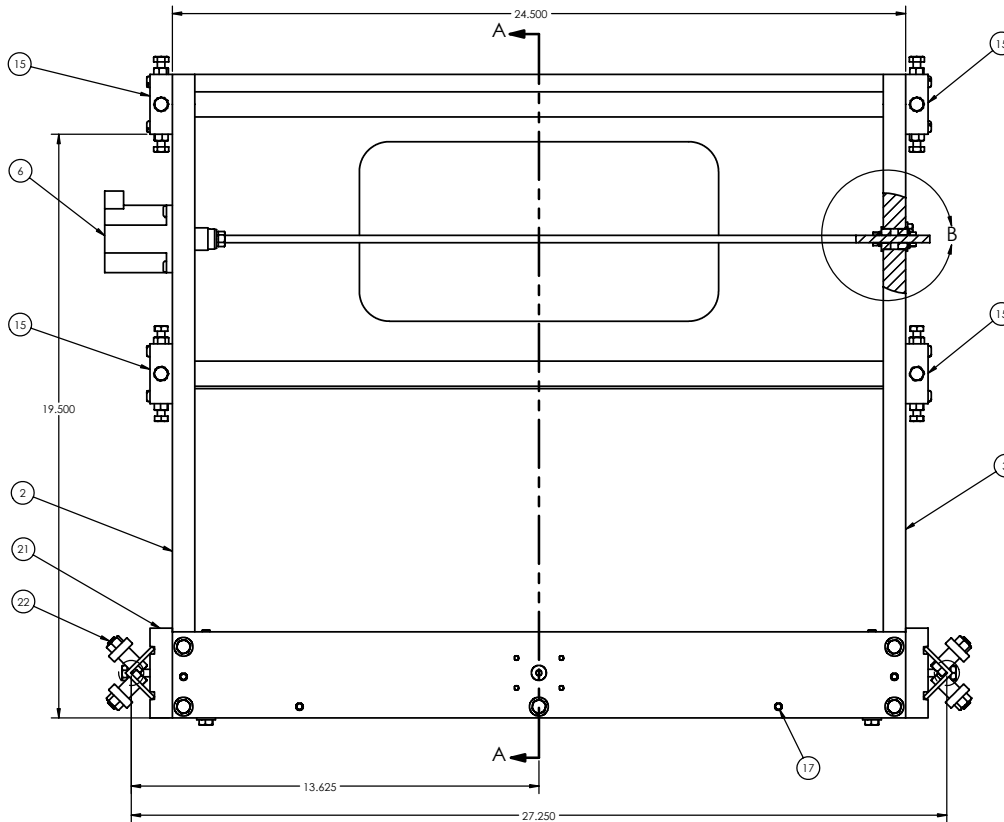
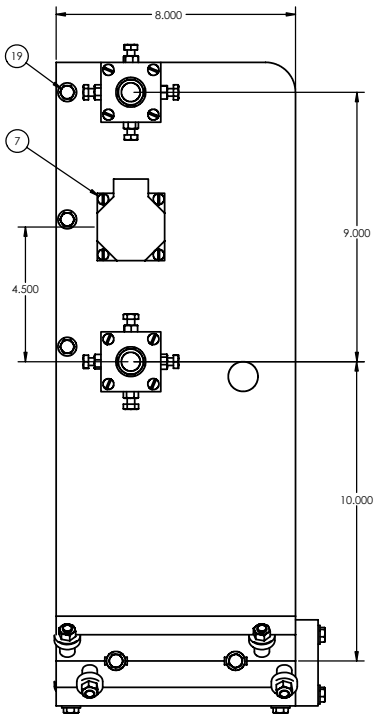
REVISIONS			
ZONE	REV.	DESCRIPTION	DATE

ITEM NO.	QTY.	PART NO.	DESCRIPTION
1	1	cnc_dtl15	NUT TENSIONER
3	2	MACHINE SCREW #10 X 1 1/2	MACHINE SCREW #10 X 1 1/2
4	1	cnc_dtl14	ANTI-BACKLASH NUT

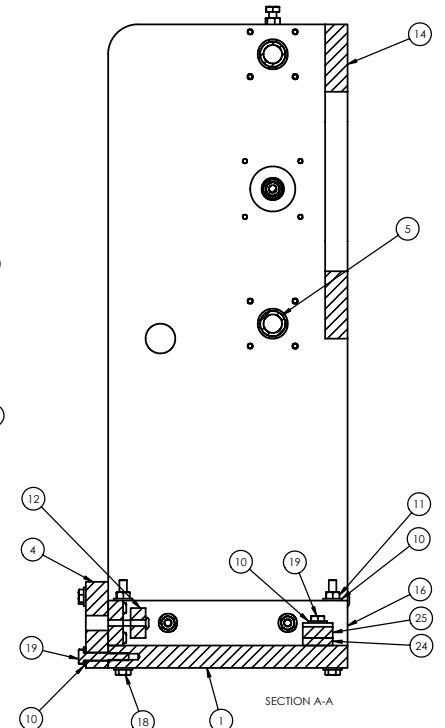


DRAWN BY	jgro	DESCRIPTION:		
DATE	2/11/2004	ANTI-BACKLASH NUT ASSEMBLY		
MATERIAL		SIZE	MODEL NAME:	REV
STOCK SIZE		A cnc_assy06		-
		SCALE: 1:1	NO. REQ'D: 3	SHEET

ITEM NO.	QTY.	PART NO.	DESCRIPTION
1	1	cnc_dtl18	GANTRY - BOTTOM
2	1	cnc_dtl16	GANTRY - LEFT SIDE
3	1	cnc_dtl17	GANTRY - RIGHT SIDE
4	1	cnc_dtl20	GANTRY - FRONT
5	2	cnc_dtl28	X GUIDE PIPE
6	1	cnc_dtl08	STEPPER MOTOR
7	4	MACHINE SCREW #10 X 3/4	MACHINE SCREW #10 X 1
8	2	cnc_dtl11	FLANGED BEARING
9	1	cnc_dtl22	X AXIS LEAD SCREW
10	27	FLAT WASHER 1/4	FLAT WASHER 1/4
11	11	HEX NUT 1/4-20	HEX NUT 1/4
12	1	cnc_assy06	ANTI-BACKLASH NUT ASSEMBLY
13	1	cnc_dtl09	COUPLER
14	1	cnc_dtl19	GANTRY - REAR BRACE
15	4	cnc_assy05	ADJUSTMENT BLOCK ASSY
16	2	cnc_dtl21	GANTRY - CORNER BLOCK
17	12	dowel pin	250 DIA X 1.50 L.G.
18	4	HEX HEAD BOLT 1/4-20 X 3	HEX HEAD BOLT 1/4-20 X 3
19	13	HEX HEAD BOLT 1/4-20 X 1 1/2	HEX HEAD BOLT 1/4-20 X 1 1/2
20	2	LOCK WASHER 1/4	LOCK WASHER 1/4
21	2	cnc_dtl30	Y BEARING BLOCK
22	2	cnc_assy08	Y LINEAR GUIDE ASSY
23	4	MACHINE SCREW #10 X 1	MACHINE SCREW #10 X 1
24	1	cnc_dtl24	ANTI-WHIP BLOCK SPACER
25	1	cnc_dtl23	ANTI-WHIP BLOCK



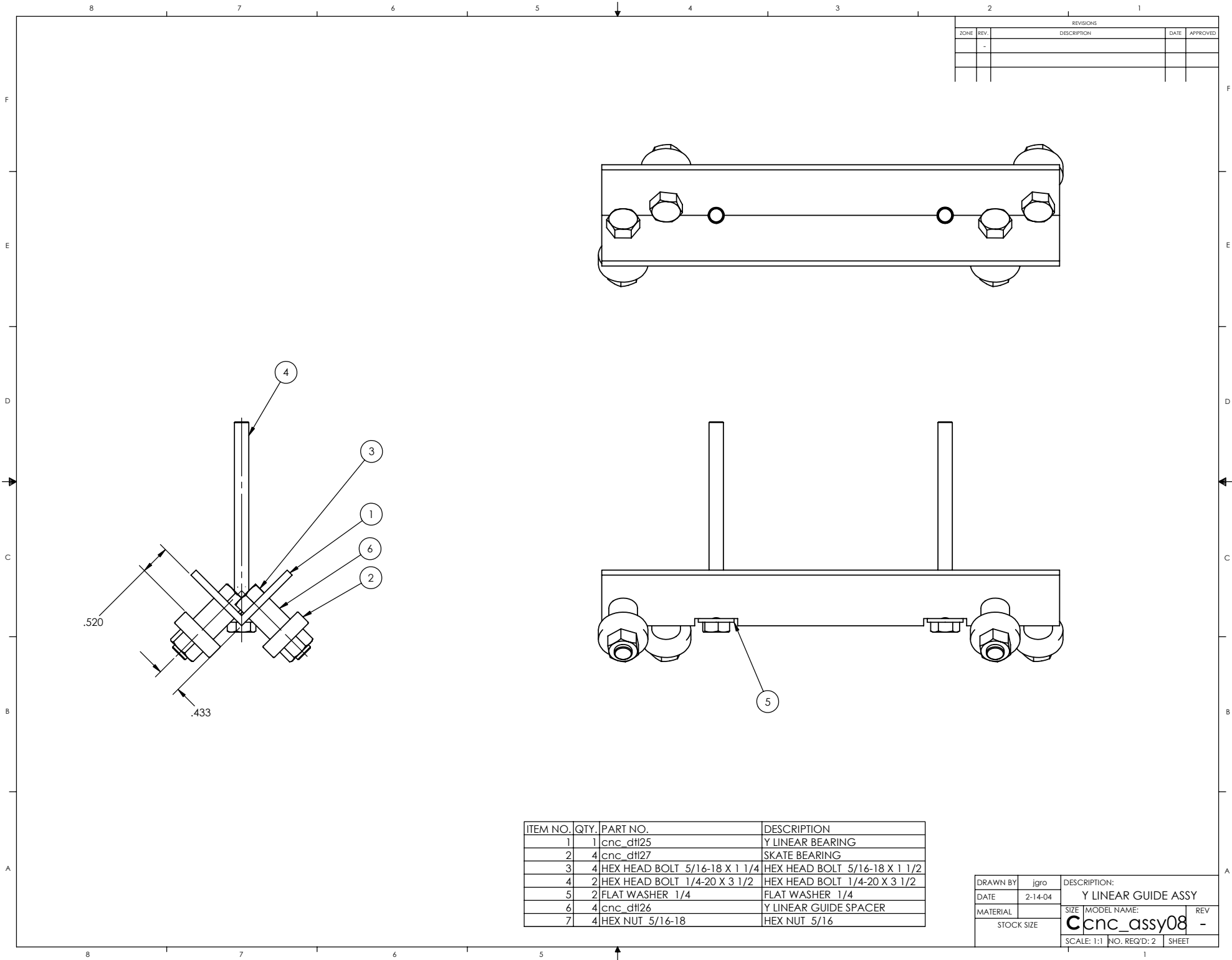
DETAIL B
SCALE 1:1



SECTION A-A

DRAWN BY	igro	DESCRIPTION:	GANTRY ASSEMBLY
DATE	2/13/2024	SITE / MODEL NAME:	
MATERIAL		STOCK SIZE	D cnc_assy07
		SCALE: 1:2	NO. REQ'D: 1
			SHEET

cnc_assy07

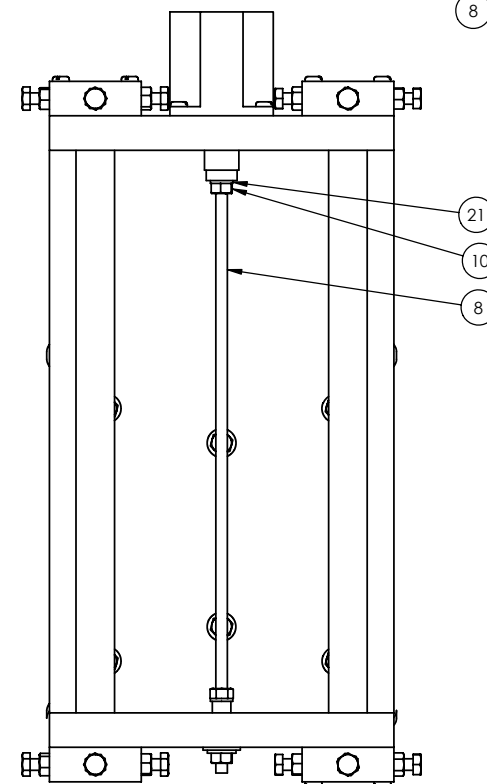
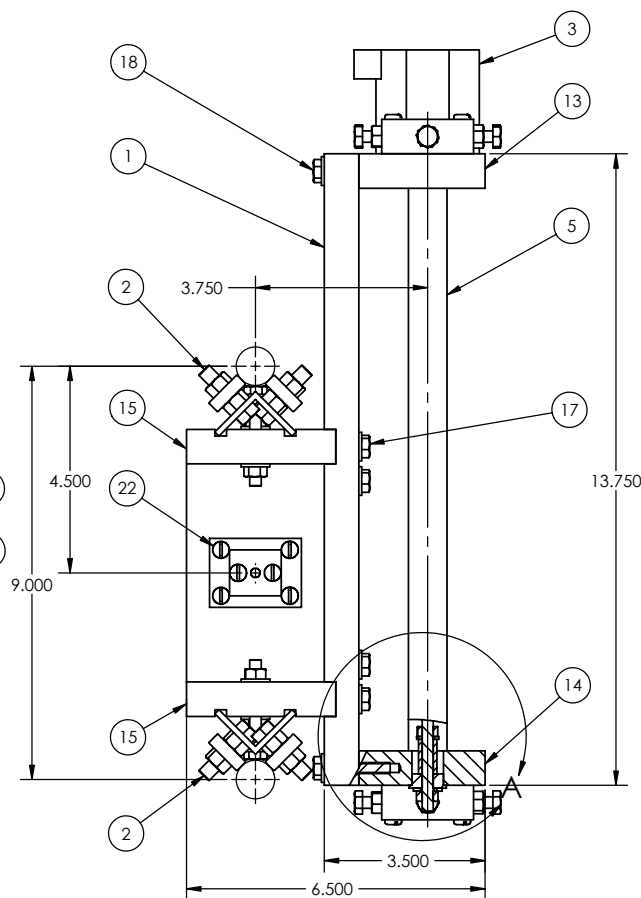
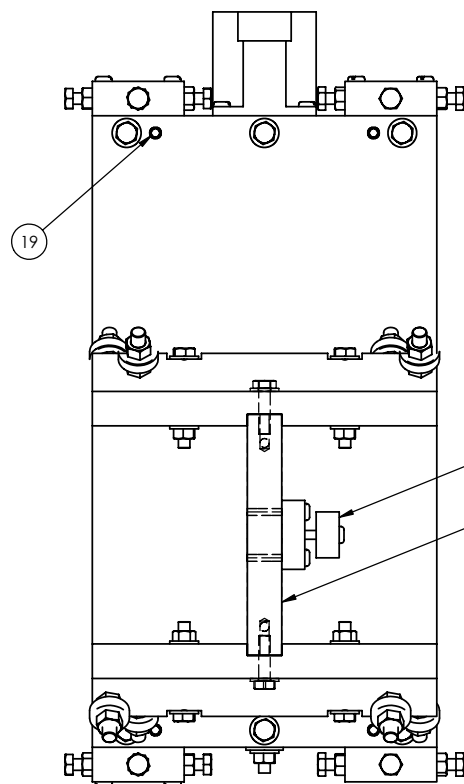
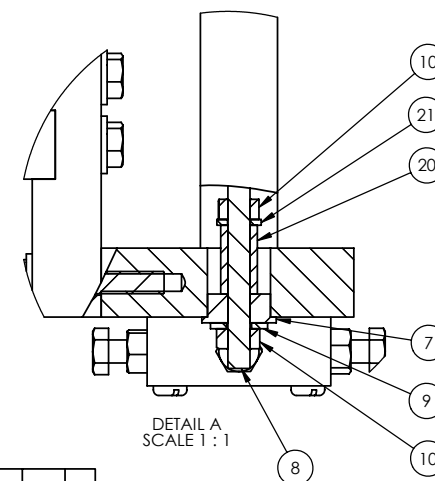
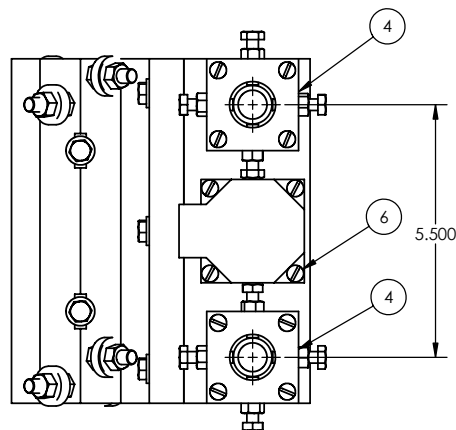


REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	-			

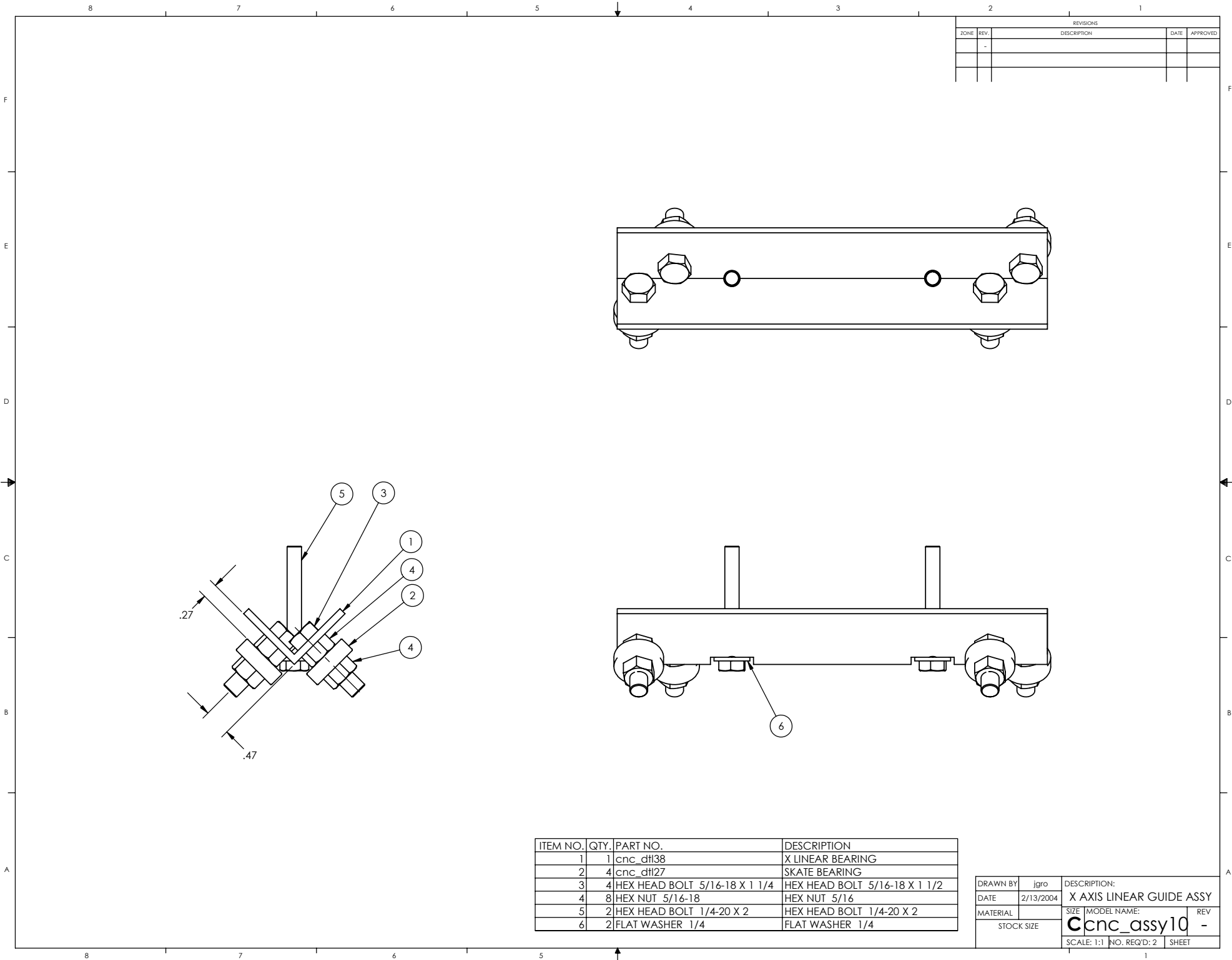
ITEM NO.	QTY.	PART NO.	DESCRIPTION
1	1	cnc_dtl25	Y LINEAR BEARING
2	4	cnc_dtl27	SKATE BEARING
3	4	HEX HEAD BOLT 5/16-18 X 1 1/4	HEX HEAD BOLT 5/16-18 X 1 1/2
4	2	HEX HEAD BOLT 1/4-20 X 3 1/2	HEX HEAD BOLT 1/4-20 X 3 1/2
5	2	FLAT WASHER 1/4	FLAT WASHER 1/4
6	4	cnc_dtl26	Y LINEAR GUIDE SPACER
7	4	HEX NUT 5/16-18	HEX NUT 5/16

DRAWN BY	igro	DESCRIPTION:		
DATE	2-14-04	Y LINEAR GUIDE ASSY		
MATERIAL		SIZE	MODEL NAME:	REV
	STOCK SIZE		Cnc_assy08	-
		SCALE: 1:1	NO. REQ'D: 2	SHEET

ITEM NO.	QTY.	PART NO.	DESCRIPTION
1	1	cnc_dtl31	X AXIS PLATFORM
2	2	cnc_assy10	X AXIS LINEAR GUIDE ASSY
3	1	cnc_dtl08	STEPPER MOTOR
4	4	cnc_assy05	ADJUSTMENT BLOCK ASSY
5	2	cnc_dtl35	Z AXIS GUIDE PIPE
6	4	MACHINE SCREW #10 X 3/4	MACHINE SCREW #10 X 1
7	1	cnc_dtl11	FLANGED BEARING
8	1	cnc_dtl36	Z AXIS LEAD SCREW
9	19	FLAT WASHER 1/4	FLAT WASHER 1/4
10	7	HEX NUT 1/4-20	HEX NUT 1/4
11	1	cnc_assy06	ANTI-BACKLASH NUT ASSEMBLY
12	1	cnc_dtl09	COUPLER
13	1	cnc_dtl32	X AXIS TOP PLATE
14	1	cnc_dtl33	X AXIS BOTTOM PLATE
15	2	cnc_dtl34	X AXIS BEARING MOUNT
16	1	cnc_dtl37	X AXIS NUT SUPPORT
17	8	HEX HEAD BOLT 1/4-20 X 1	HEX HEAD BOLT 1/4-20 X 1
18	6	HEX HEAD BOLT 1/4-20 X 1 1/2	HEX HEAD BOLT 1/4-20 X 1 1/2
19	4	dowel_pin	.250 DIA X 1.50 LG.
20	1	cnc_dtl29	SPACER - SMALL
21	2	LOCK WASHER 1/4	LOCK WASHER 1/4
22	1	MACHINE SCREW #10 X 1 1/4	MACHINE SCREW #10 X 1
23	3	MACHINE SCREW #10 X 1	MACHINE SCREW #10 X 1

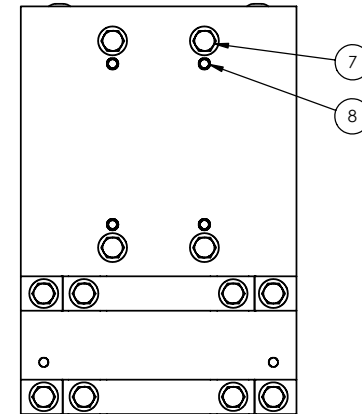
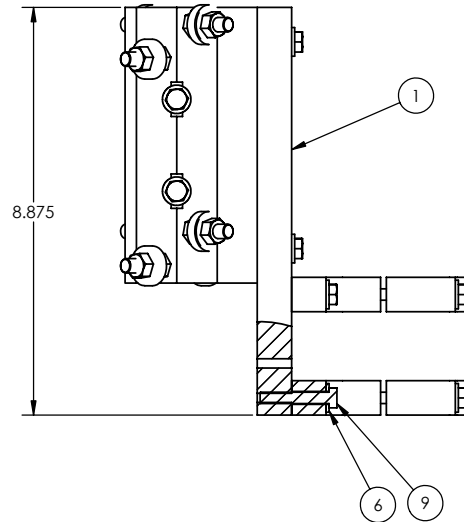
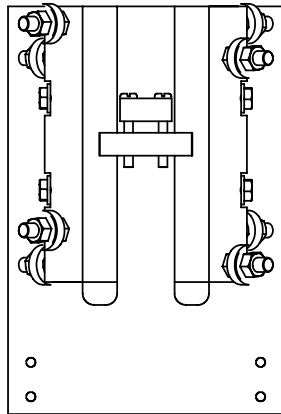
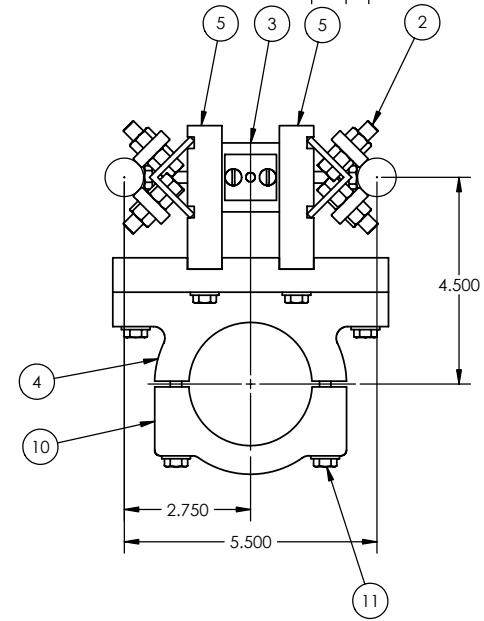


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DATE	2/13/2004	SIZE	MODEL NAME:
MATERIAL	STOCK SIZE	Cnc_assy09	REV -
SCALE: 1:2	NO. REQ'D: 1	SHEET	

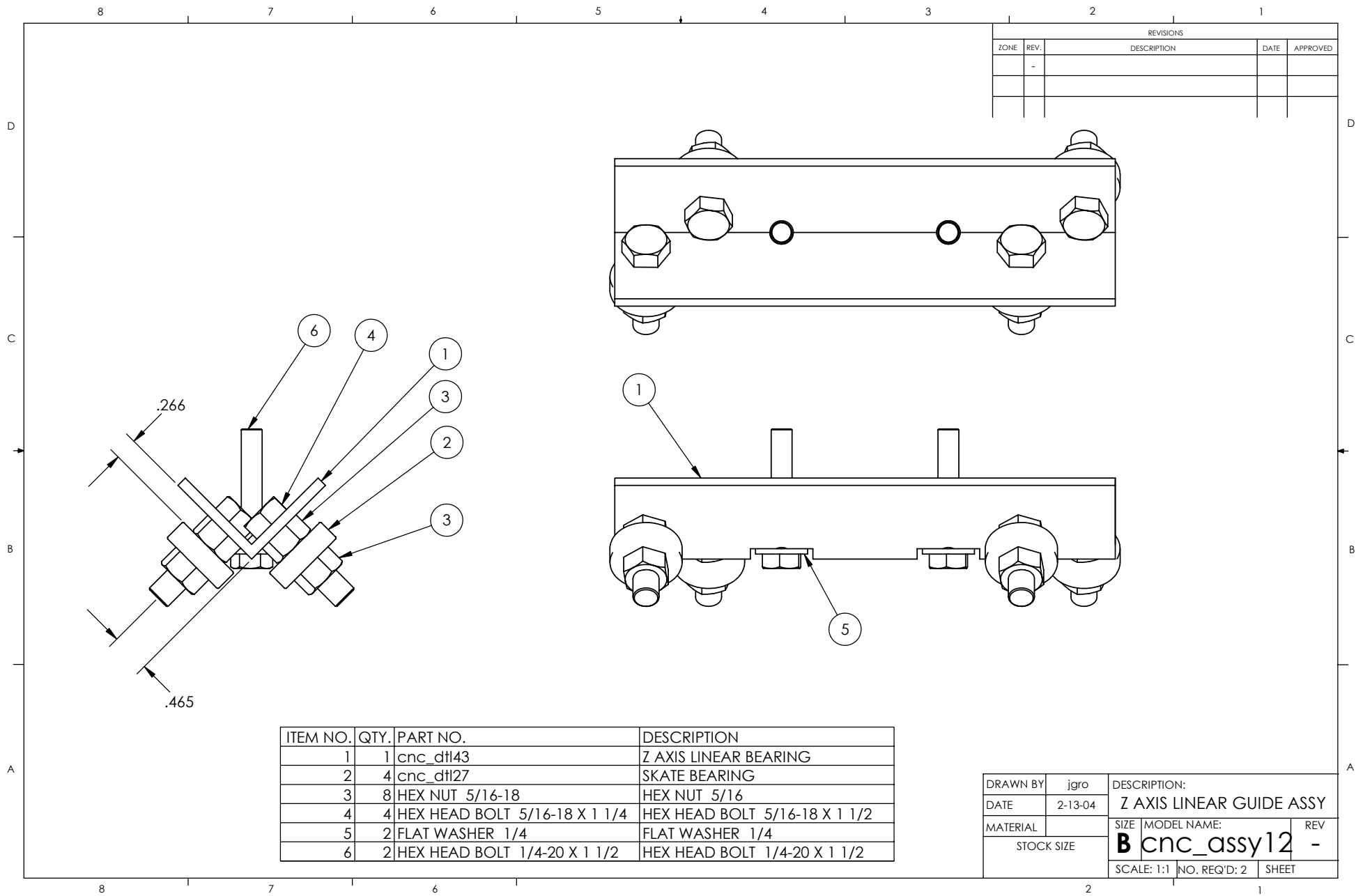


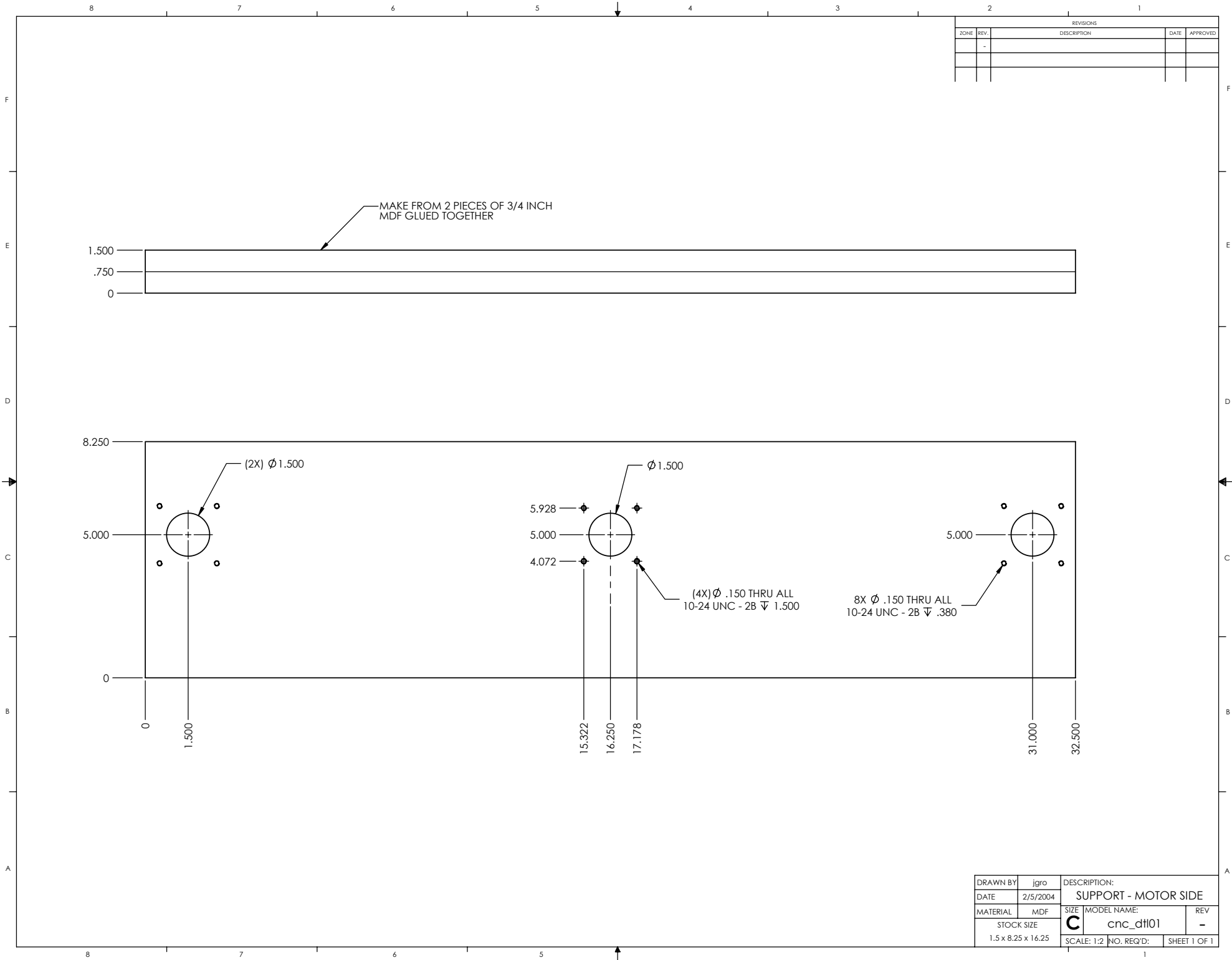
ITEM NO.	QTY.	PART NO.	DESCRIPTION
1	1	cnc_dtl39	Z AXIS PLATFORM
2	2	cnc_assy12	Z AXIS LINEAR GUIDE ASSY
3	1	cnc_assy06	ANTI-BACKLASH NUT ASSEMBLY
4	2	cnc_dtl41	ROUTER CLAMP BASE
5	2	cnc_dtl40	Z AXIS BEARING SUPPORT
6	12	FLAT WASHER 1/4	FLAT WASHER 1/4
7	4	HEX HEAD BOLT 1/4-20 X 1	HEX HEAD BOLT 1/4-20 X 1
8	4	dowel_pin	.250 DIA X 1.50 LG.
9	4	HEX HEAD BOLT 1/4-20 X 1 1/2	HEX HEAD BOLT 1/4-20 X 1 1/2
10	2	cnc_dtl42	ROUTER CLAMP
11	4	HEX HEAD BOLT 1/4-20 X 2	HEX HEAD BOLT 1/4-20 X 2

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
-	-			



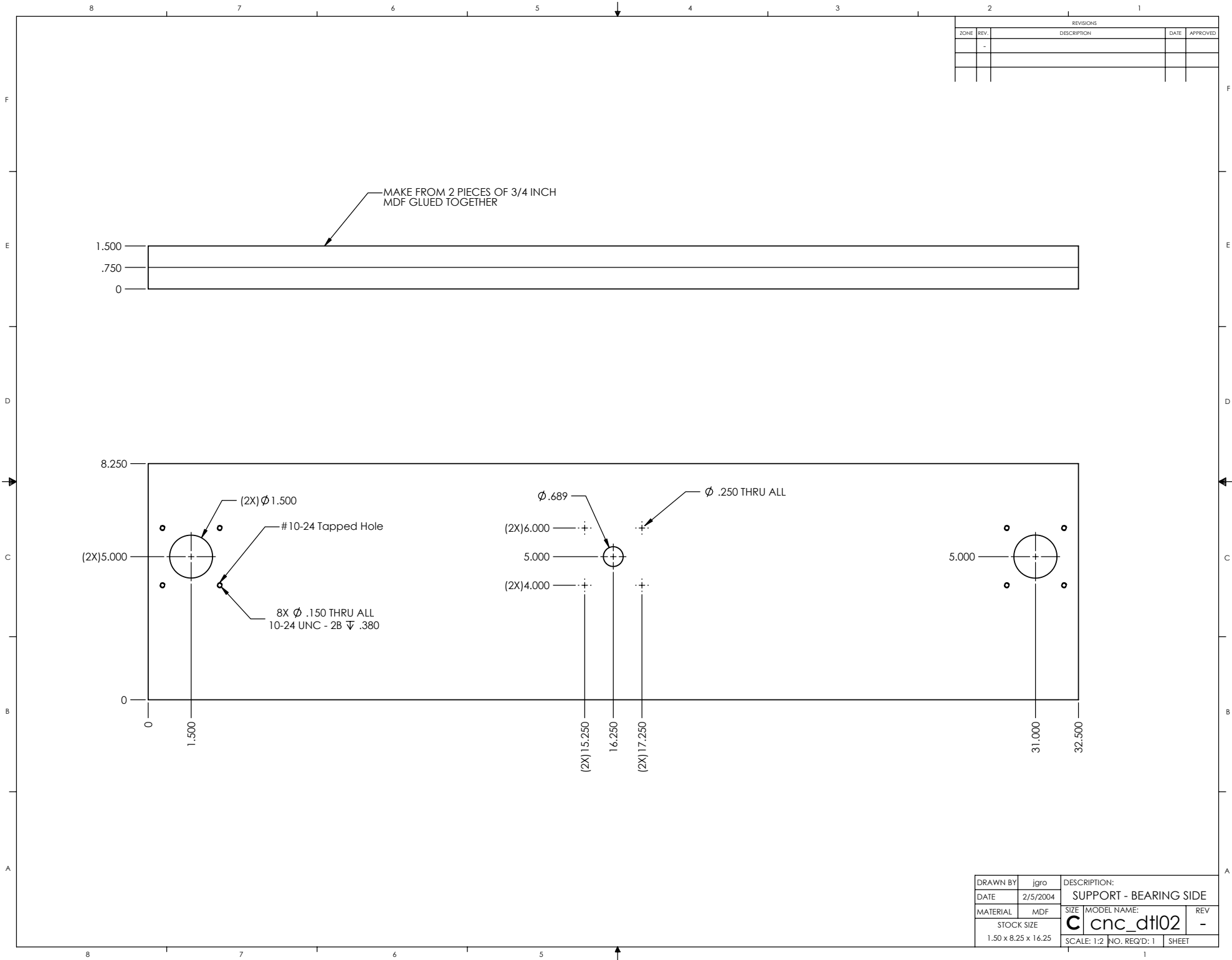
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DATE	2/13/2004	Z AXIS ASSEMBLY		
MATERIAL		SIZE	MODEL NAME:	REV
			Cnc_assy11	-
STOCK SIZE		SCALE: 1:2	NO. REQ'D: 1	SHEET





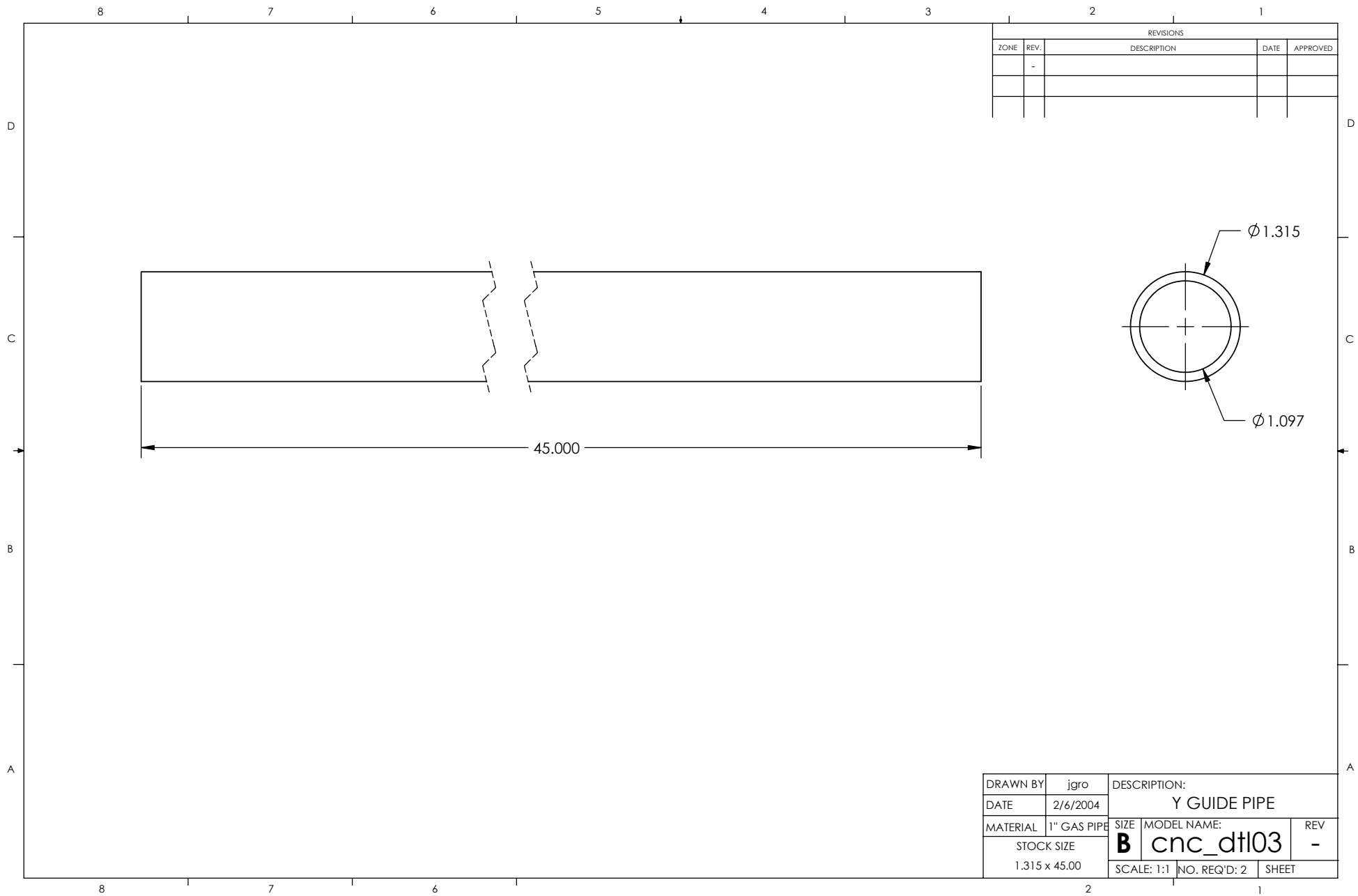
REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	-			

DRAWN BY	jgro	DESCRIPTION:		
DATE	2/5/2004	SUPPORT - MOTOR SIDE		
MATERIAL	MDF	SIZE	MODEL NAME:	REV
STOCK SIZE		C	cnc_dtl01	-
1.5 x 8.25 x 16.25		SCALE: 1:2	NO. REQ'D:	SHEET 1 OF 1



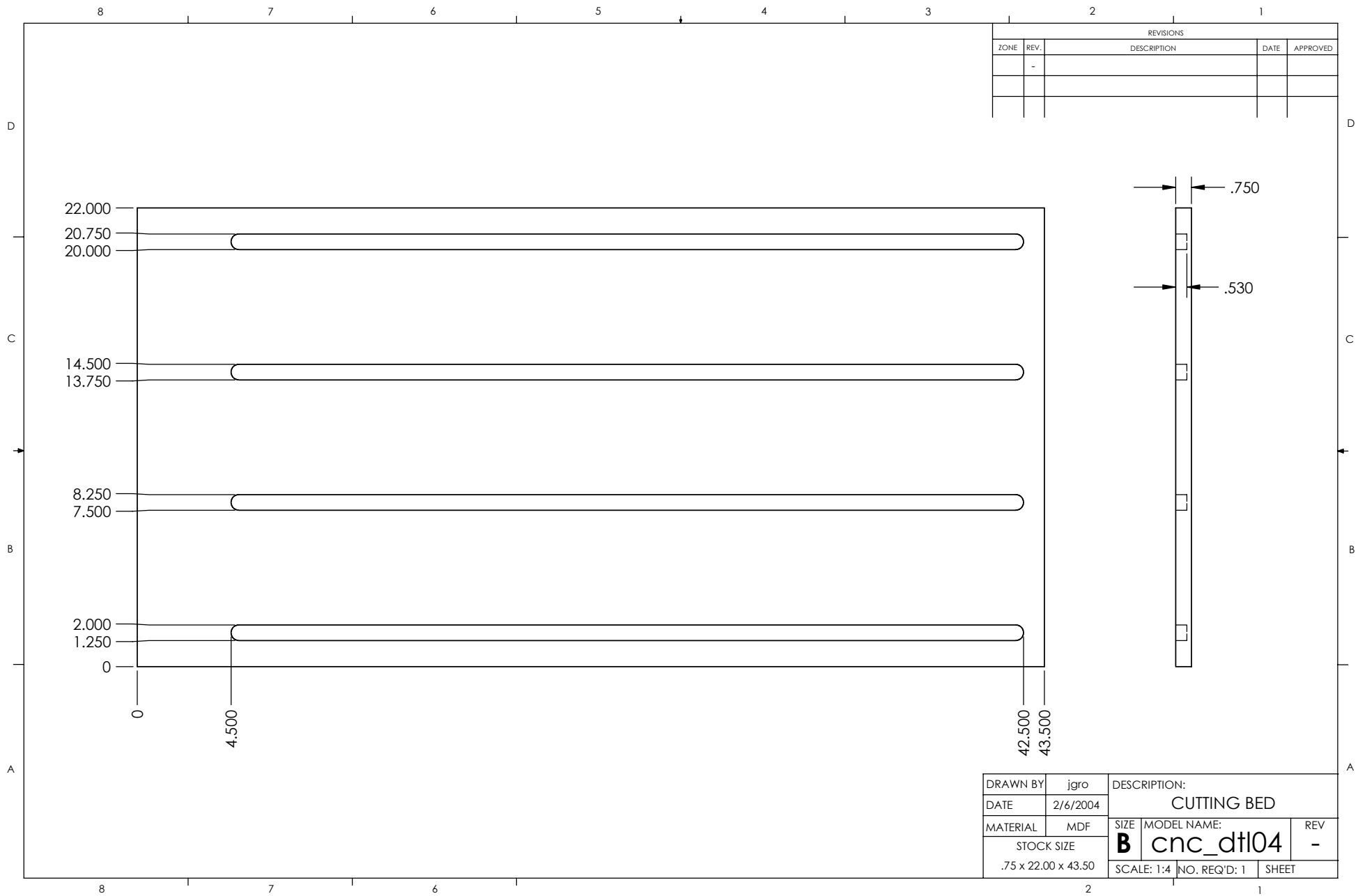
REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	-			

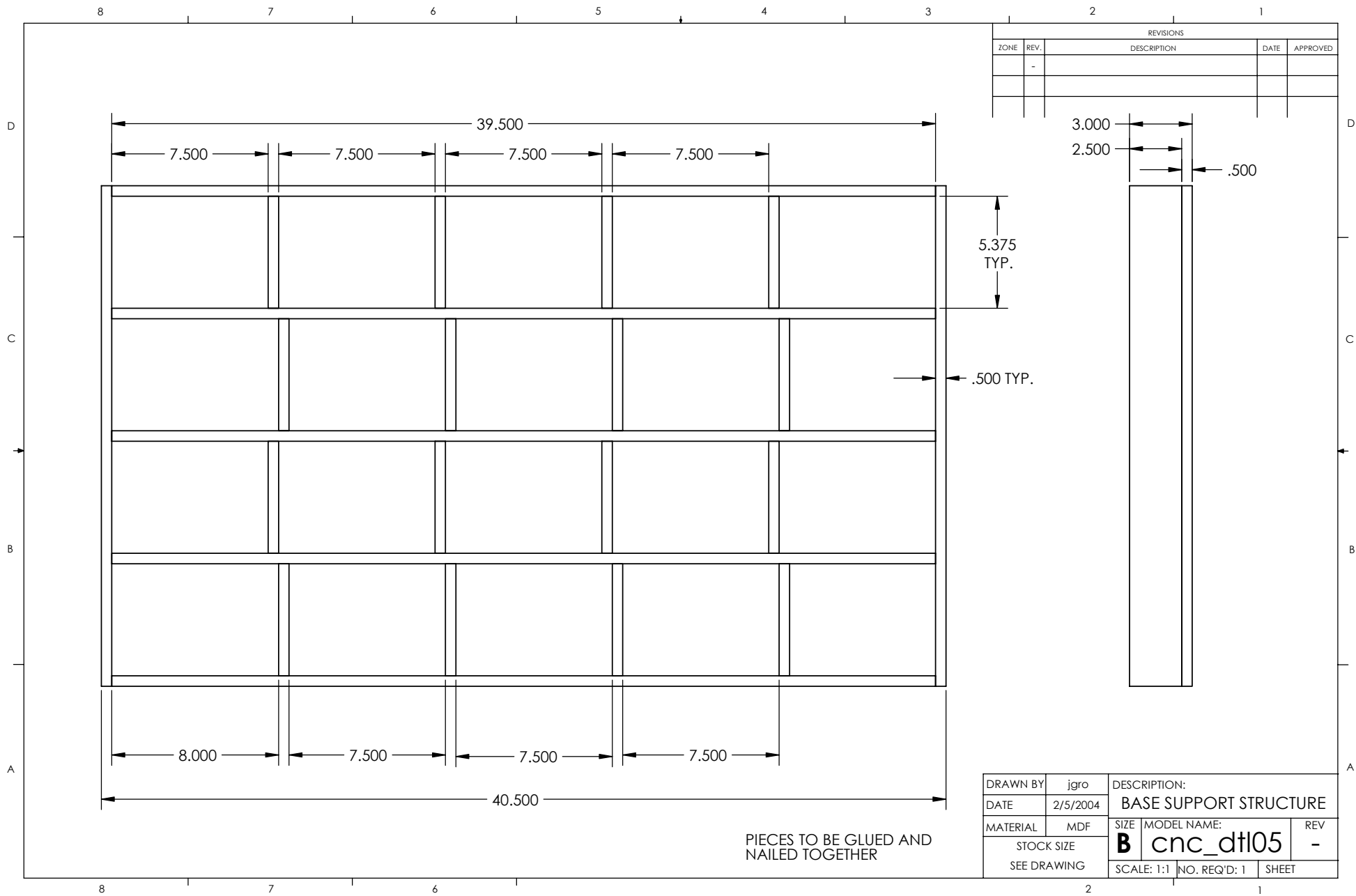
DRAWN BY	jgro	DESCRIPTION:		
DATE	2/5/2004	SUPPORT - BEARING SIDE		
MATERIAL	MDF	SIZE	MODEL NAME:	REV
STOCK SIZE		C cnc_dtl02		-
1.50 x 8.25 x 16.25		SCALE: 1:2	NO. REQ'D: 1	SHEET

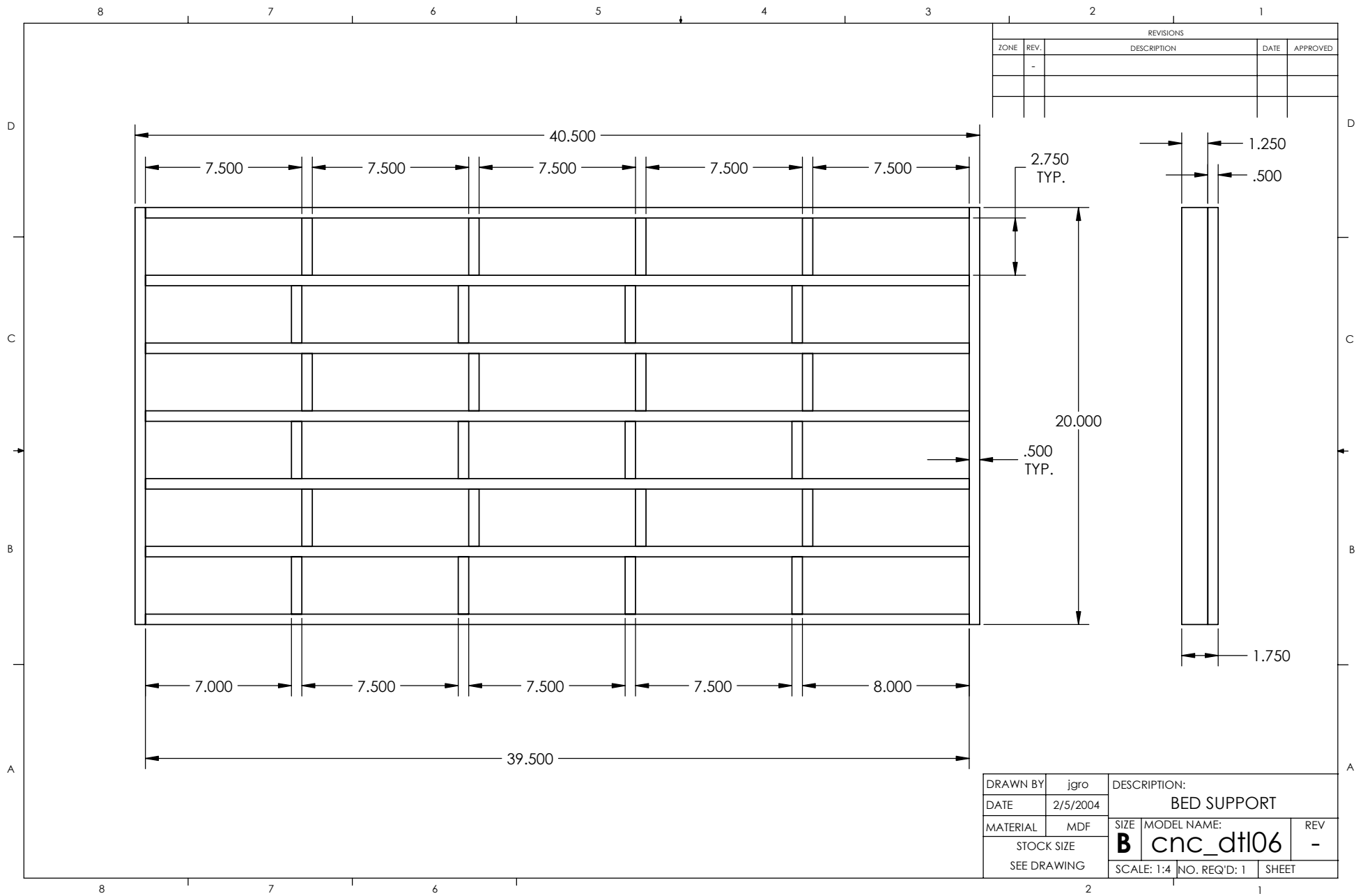


REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	-			

DRAWN BY	jgro	DESCRIPTION:		
DATE	2/6/2004	Y GUIDE PIPE		
MATERIAL	1" GAS PIPE	SIZE	MODEL NAME:	REV
STOCK SIZE		B	cnc_dtl03	-
1.315 x 45.00		SCALE: 1:1	NO. REQ'D: 2	SHEET



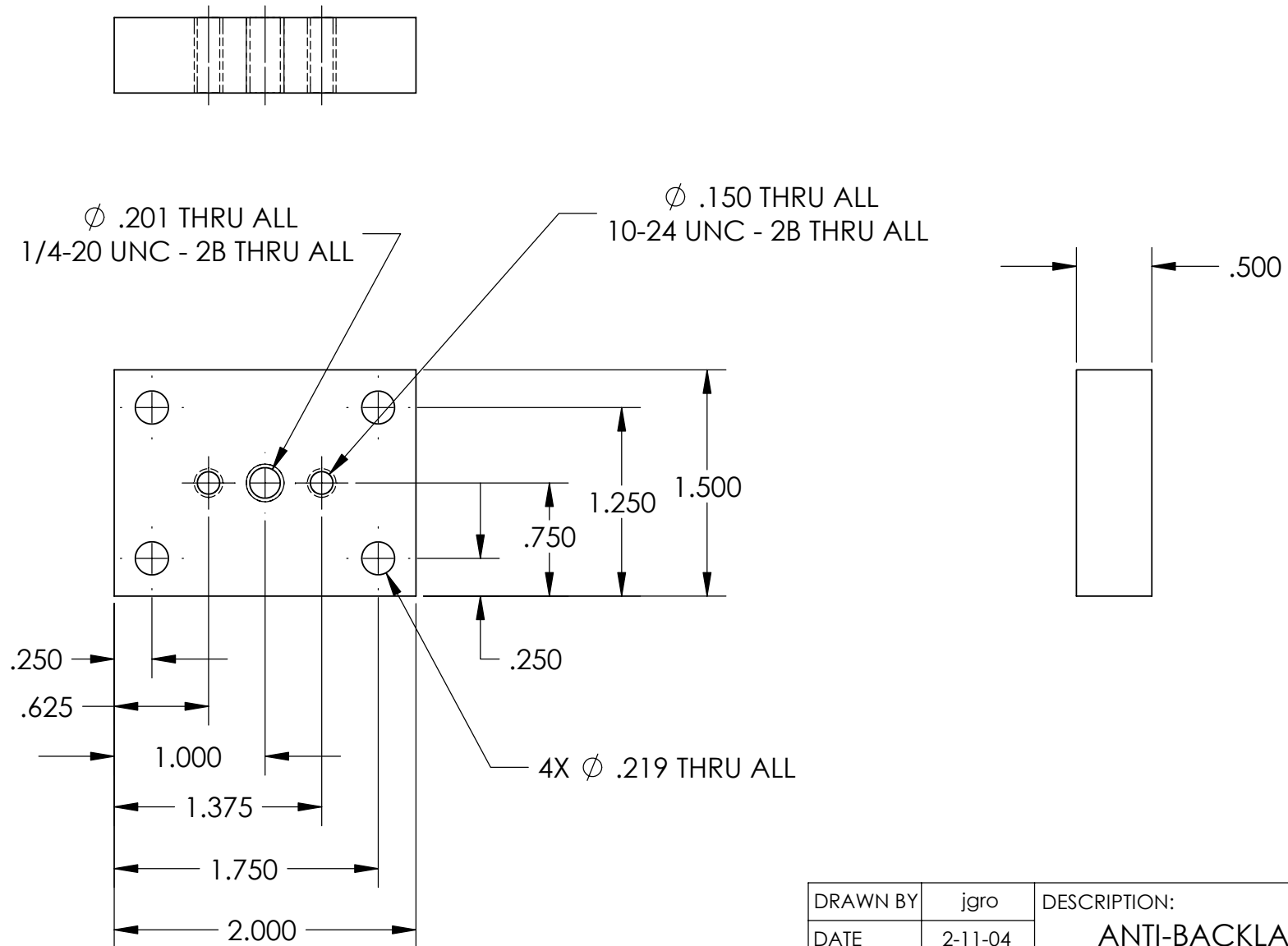




REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	-			

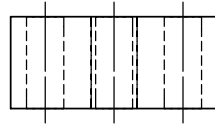
DRAWN BY	jgro	DESCRIPTION:		
DATE	2/5/2004	BED SUPPORT		
MATERIAL	MDF	SIZE	MODEL NAME:	REV
STOCK SIZE		B	cnc_dtl06	-
SEE DRAWING		SCALE: 1:4	NO. REQ'D: 1	SHEET

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED



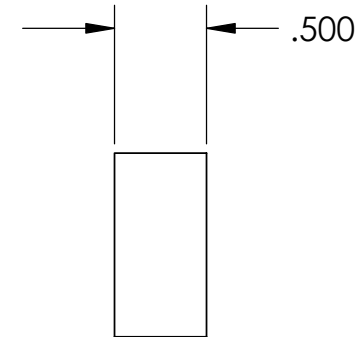
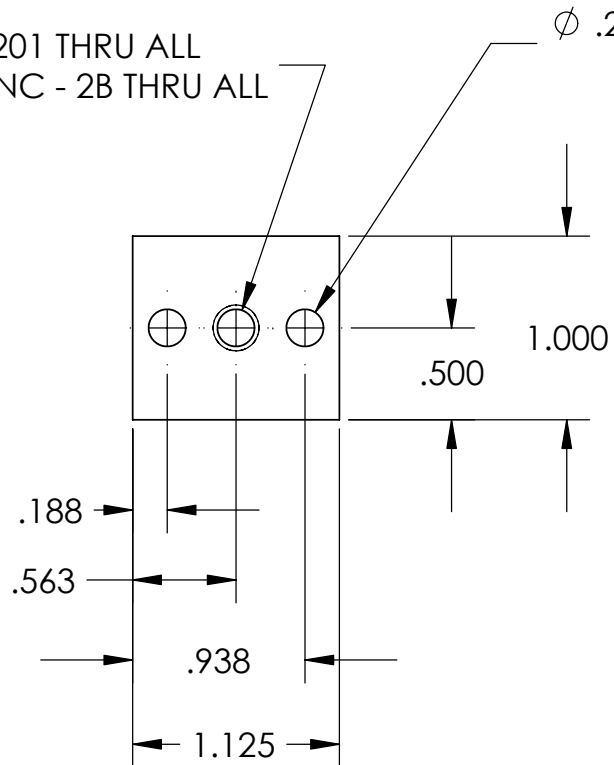
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DATE	2-11-04	ANTI-BACKLASH NUT		
MATERIAL	DELFIN	SIZE	MODEL NAME:	REV
STOCK SIZE		A	cnc_dtl14	-
.50 x 1.50 x 2.00		SCALE: 1:1	NO. REQ'D: 3	SHEET

REVISIONS		DATE	APPROVED
ZONE	REV.		

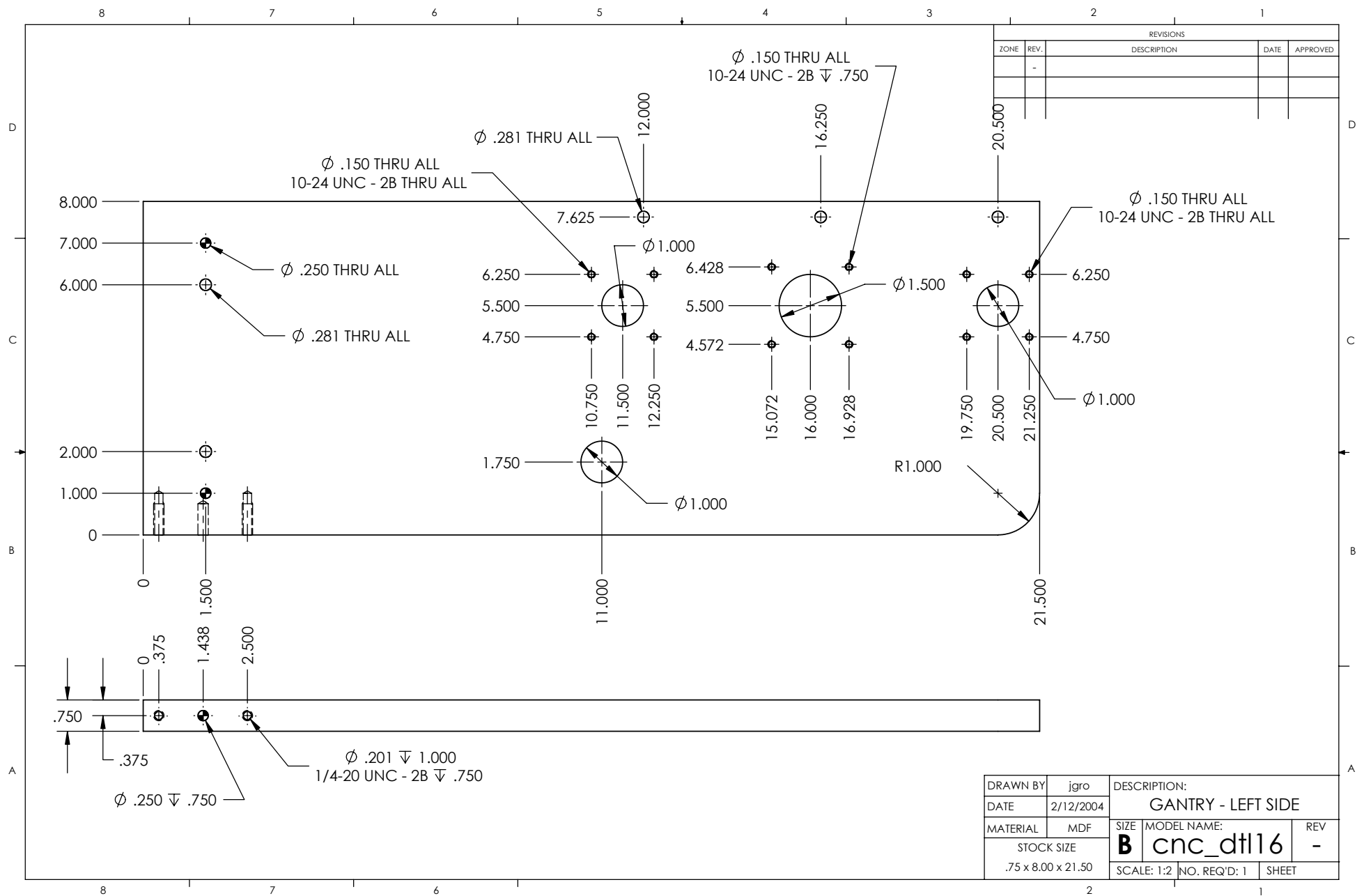


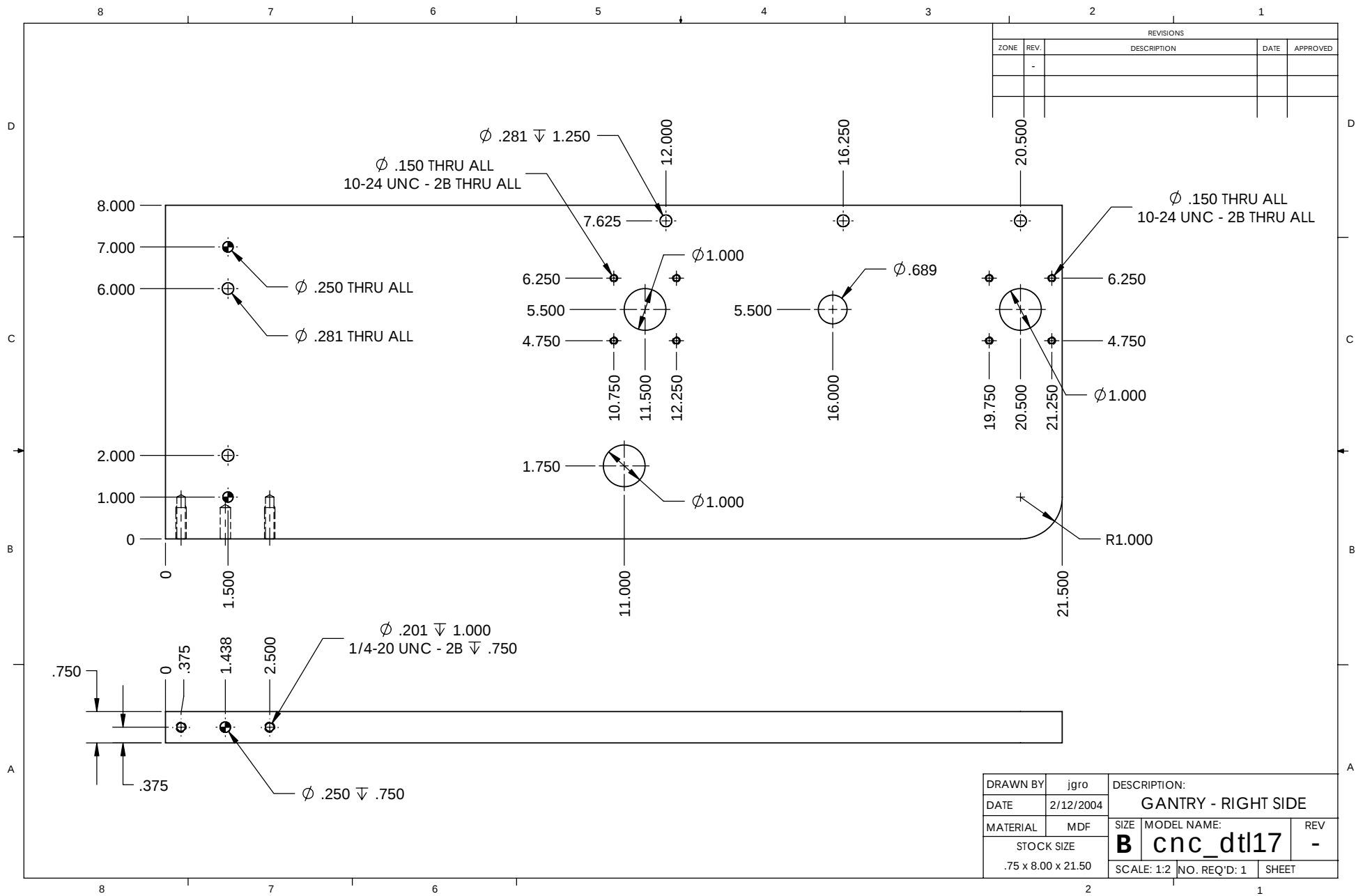
ϕ .201 THRU ALL
 1/4-20 UNC - 2B THRU ALL

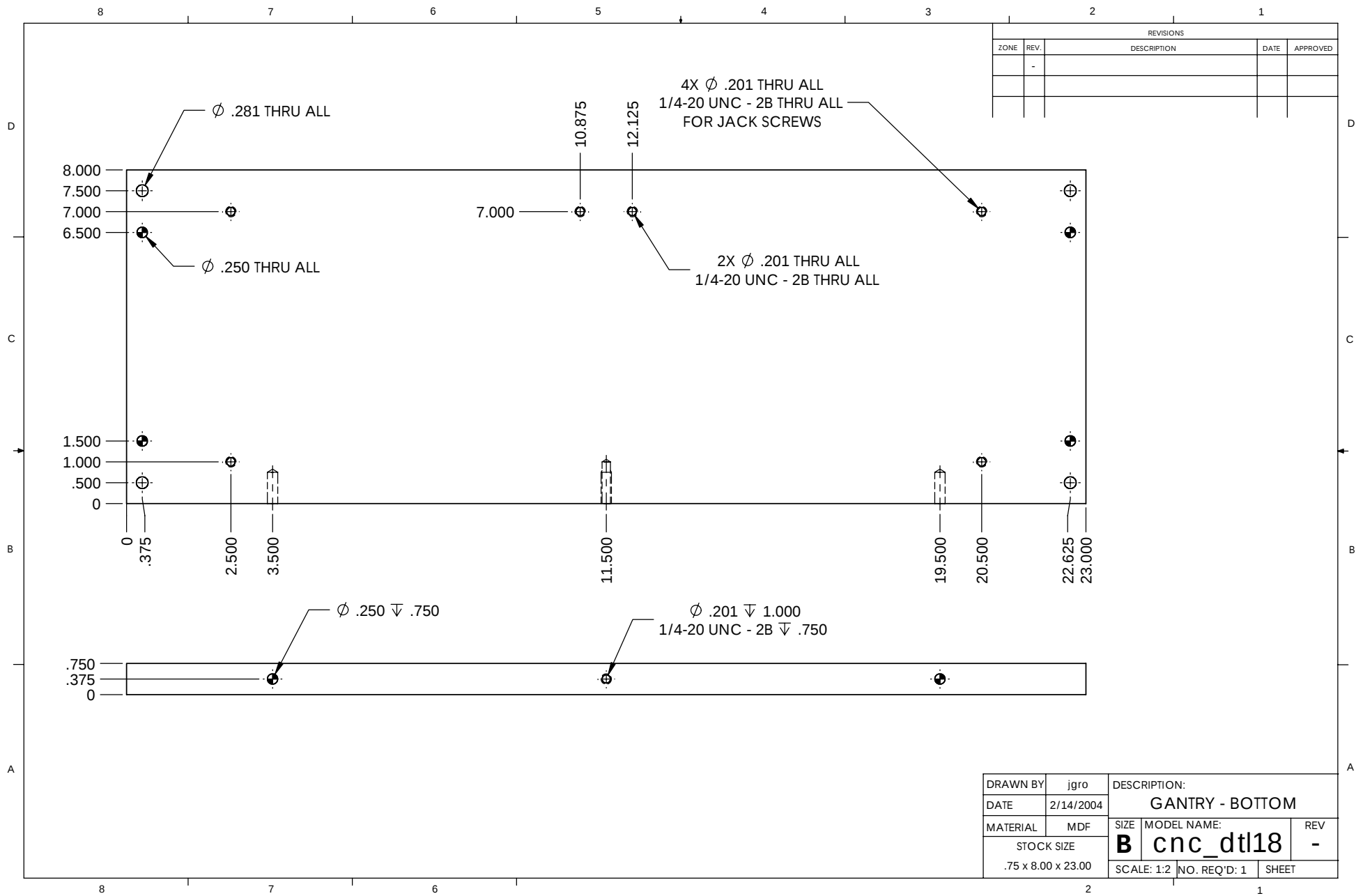
ϕ .203 THRU ALL
 2 HOLES

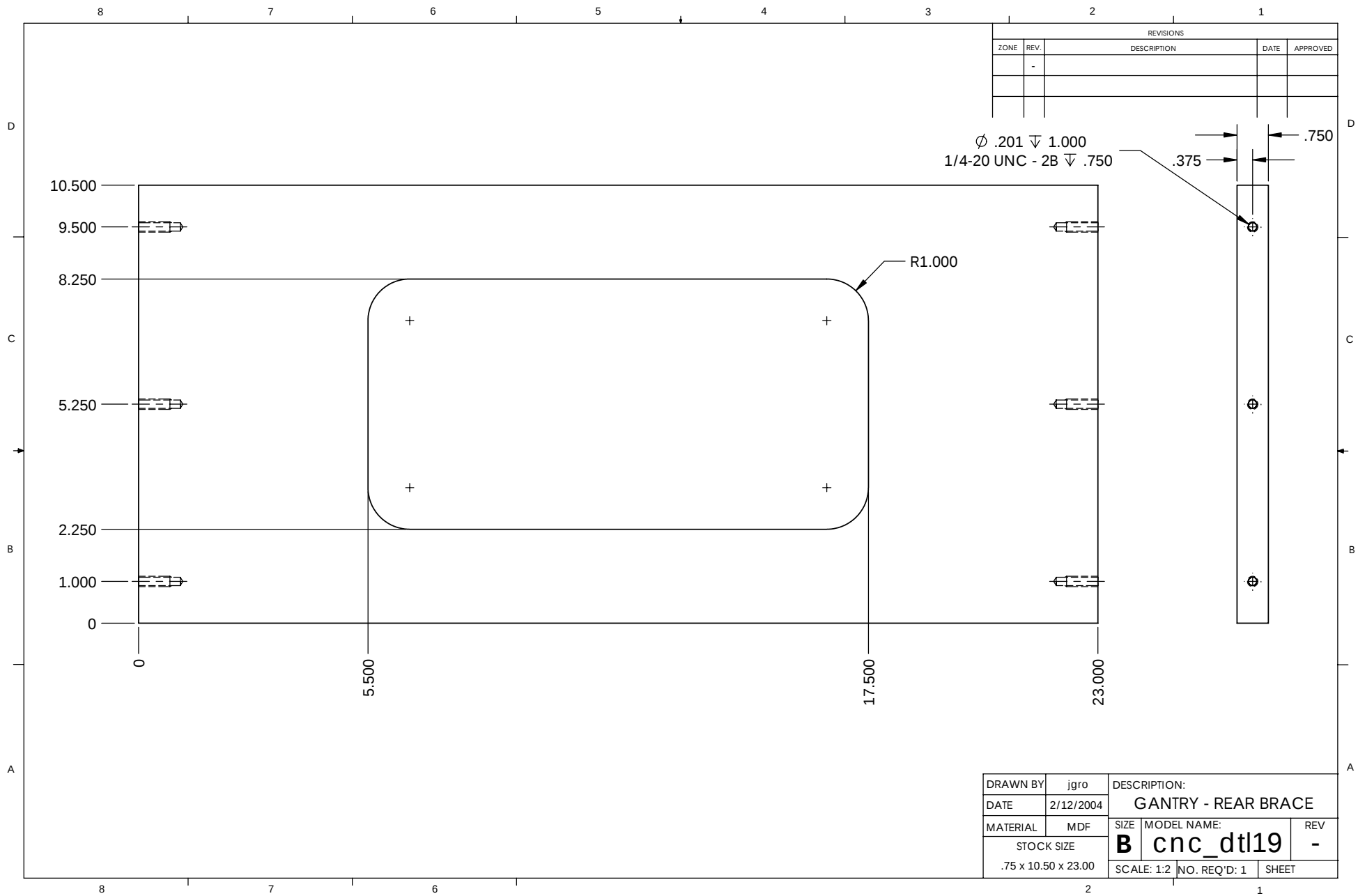


DRAWN BY	jgro	DESCRIPTION:		
DATE	2-11-04	NUT TENSIONER		
MATERIAL	DELIN	SIZE	MODEL NAME:	REV
STOCK SIZE		A	cnc_dtl15	-
.50 x 1.00 x 1.13		SCALE: 1:1	NO. REQ'D: 3	SHEET





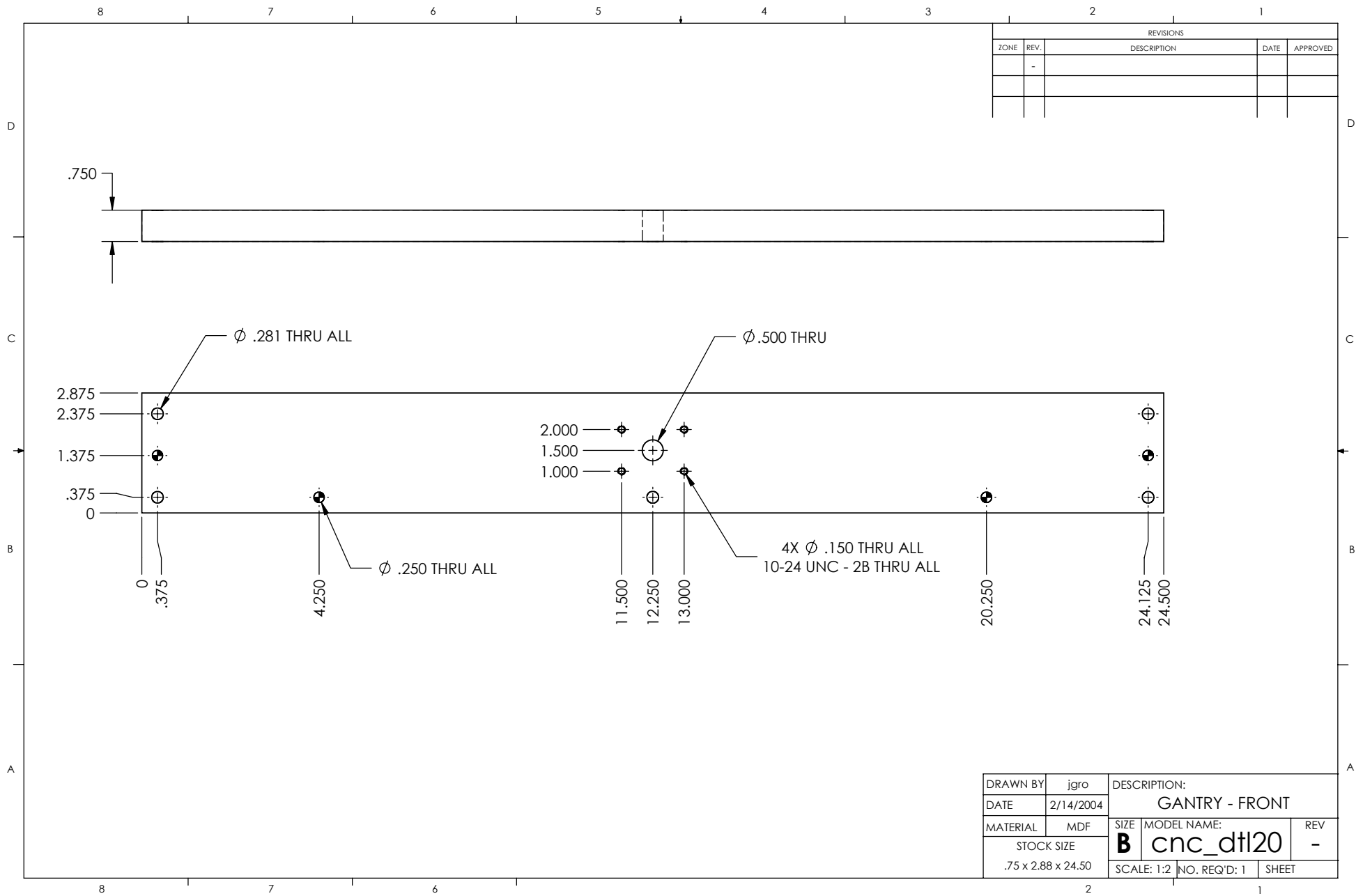


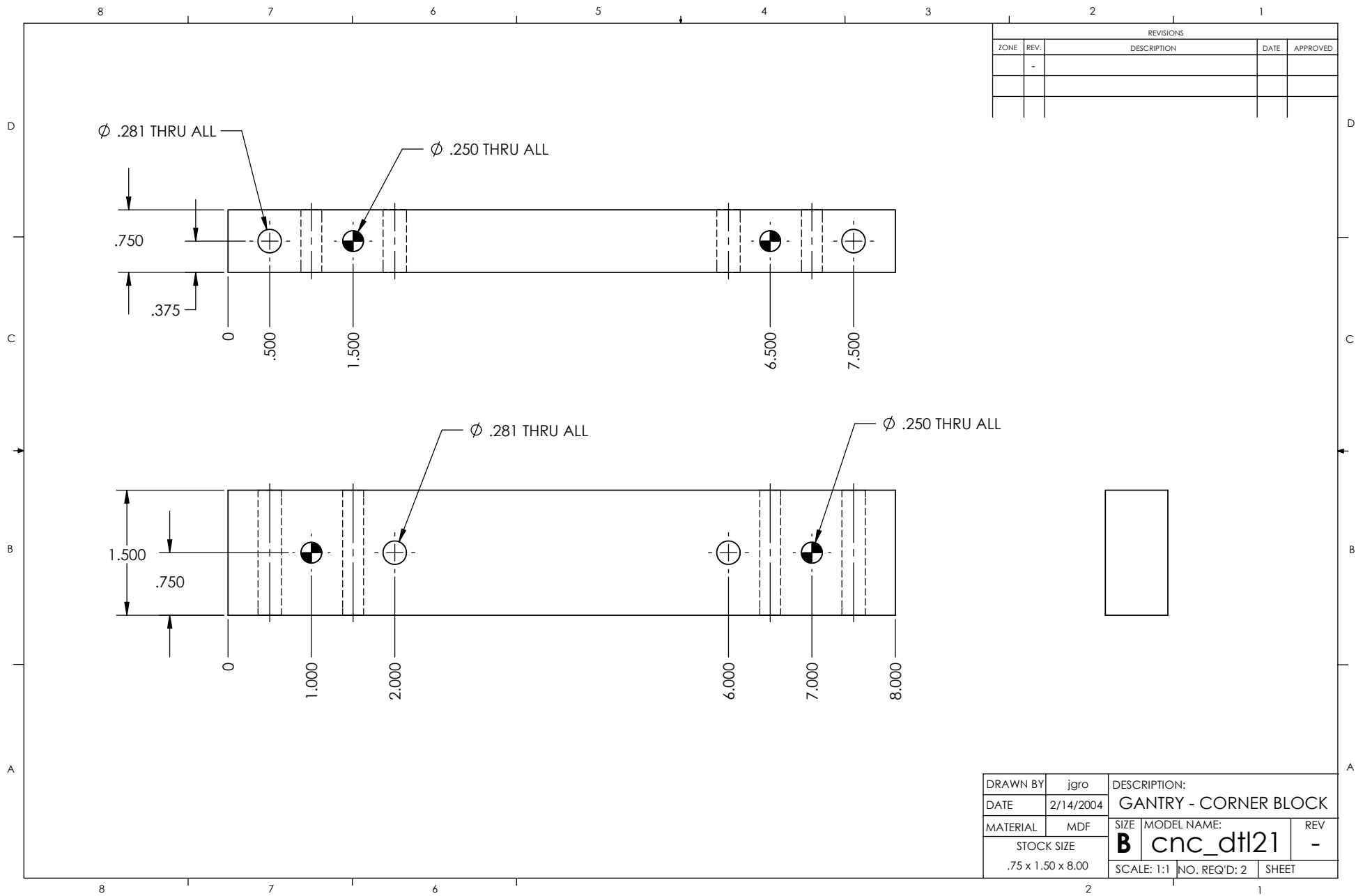


REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	-			

Ø .201 ∇ 1.000
1/4-20 UNC - 2B ∇ .750

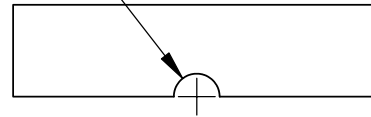
DRAWN BY	jgro	DESCRIPTION:		
DATE	2/12/2004	GANTRY - REAR BRACE		
MATERIAL	MDF	SIZE	MODEL NAME:	REV
STOCK SIZE		B	cnc_dtl19	-
.75 x 10.50 x 23.00		SCALE: 1:2	NO. REQ'D: 1	SHEET



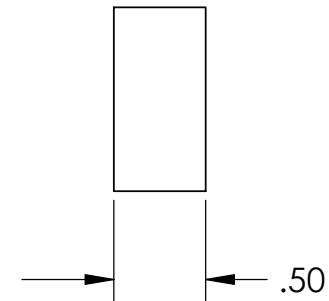
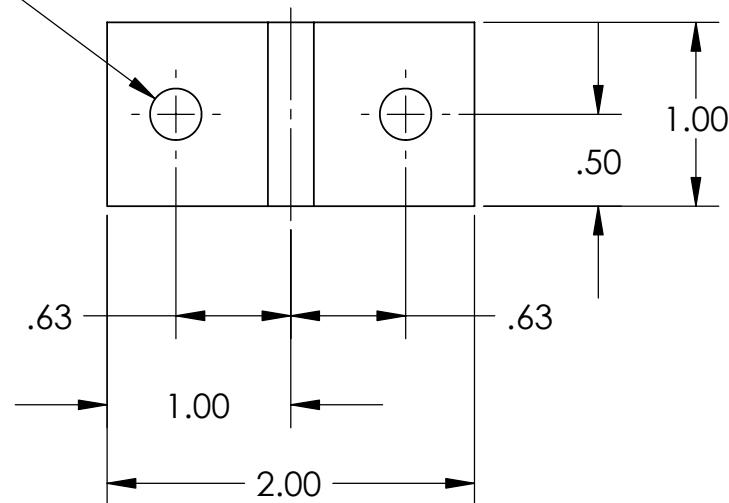


REVISIONS				
ZONE	REV.	DESCRIPTION		DATE
				APPROVED

Ø .25 THRU ALL



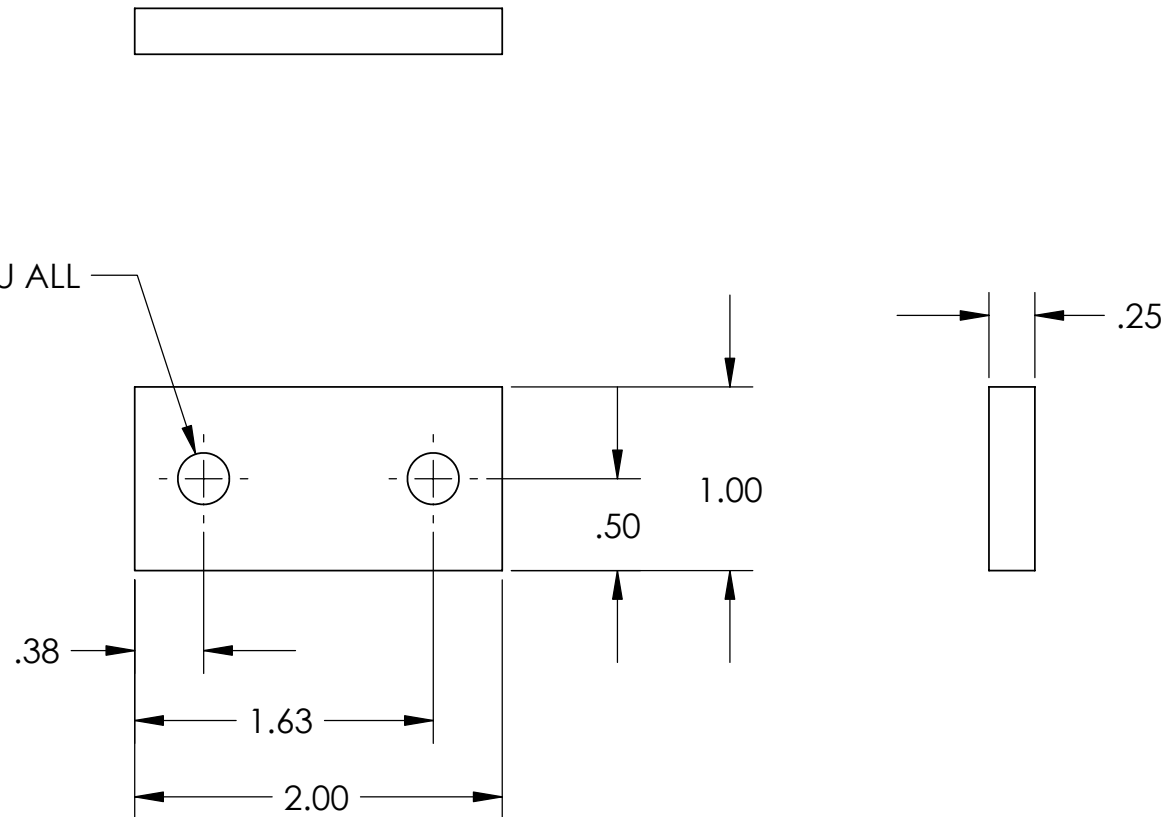
2X Ø .28 THRU ALL



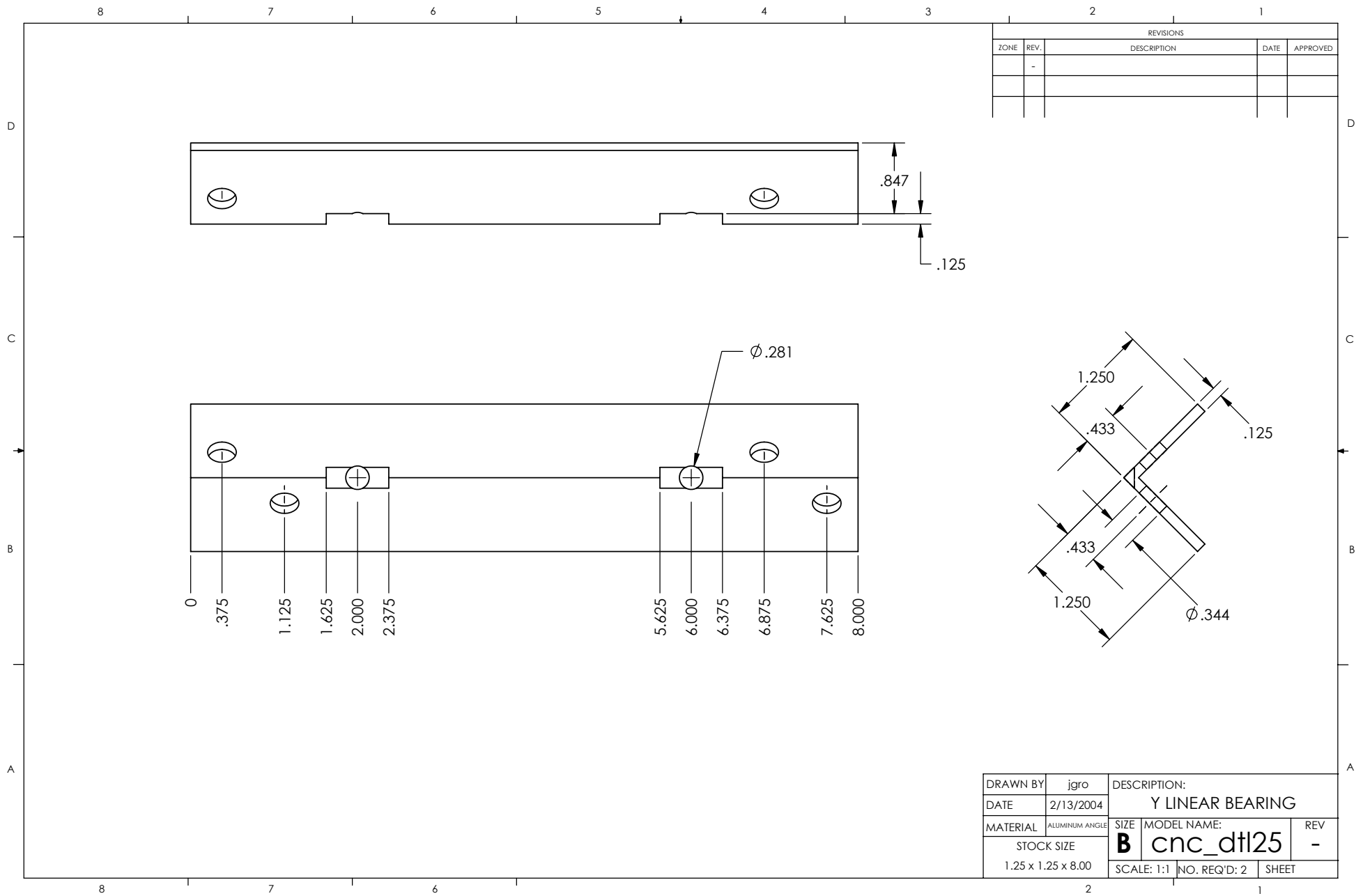
DRAWN BY	jgro	DESCRIPTION:		
DATE	2-25-04	ANTI-WHIP BLOCK		
MATERIAL	DELIN	SIZE	MODEL NAME:	REV
STOCK SIZE		A	cnc_dtl23	-
.50 x 1.00 x 2.00		SCALE: 1:1	NO. REQ'D:	SHEET

REVISIONS				
ZONE	REV.	DESCRIPTION		DATE
				APPROVED

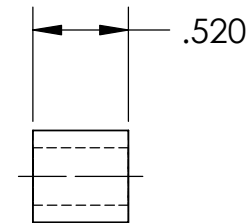
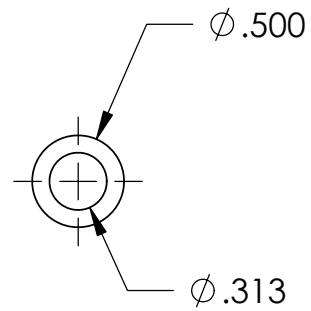
2X ϕ .28 THRU ALL



DRAWN BY	jgro	DESCRIPTION:		
DATE	2-25-04	ANTI-WHIP BLOCK SPACER		
MATERIAL	MDF	SIZE	MODEL NAME:	REV
STOCK SIZE		A	cnc_dtl24	-
.25 x 1.00 x 2.00		SCALE: 1:1	NO. REQ'D:	SHEET

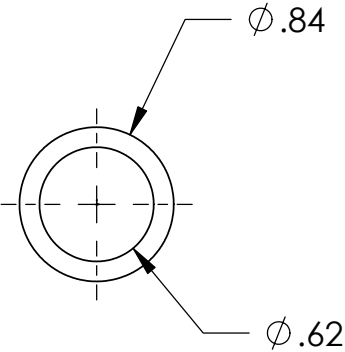
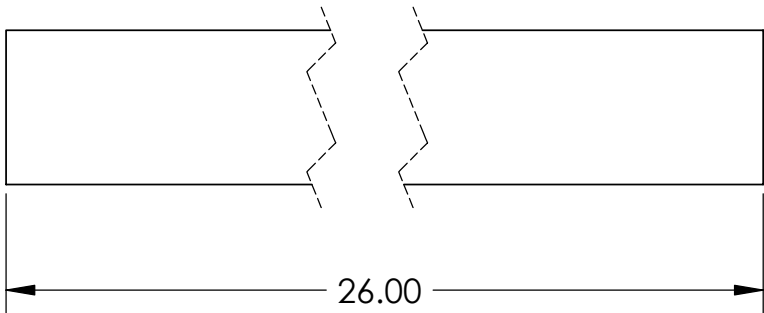


		REVISIONS		
ZONE	REV.	DESCRIPTION	DATE	APPROVED



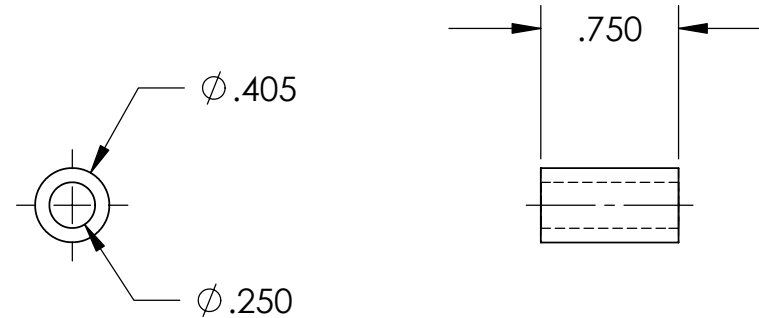
DRAWN BY	jgro	DESCRIPTION:		
DATE	2-14-04	Y LINEAR GUIDE SPACER		
MATERIAL	ALUMINUM	SIZE	MODEL NAME:	REV
STOCK SIZE		A	cnc_dtl26	-
.50 x .52		SCALE: 1:1	NO. REQ'D: 4	SHEET

		REVISIONS		
ZONE	REV.	DESCRIPTION	DATE	APPROVED



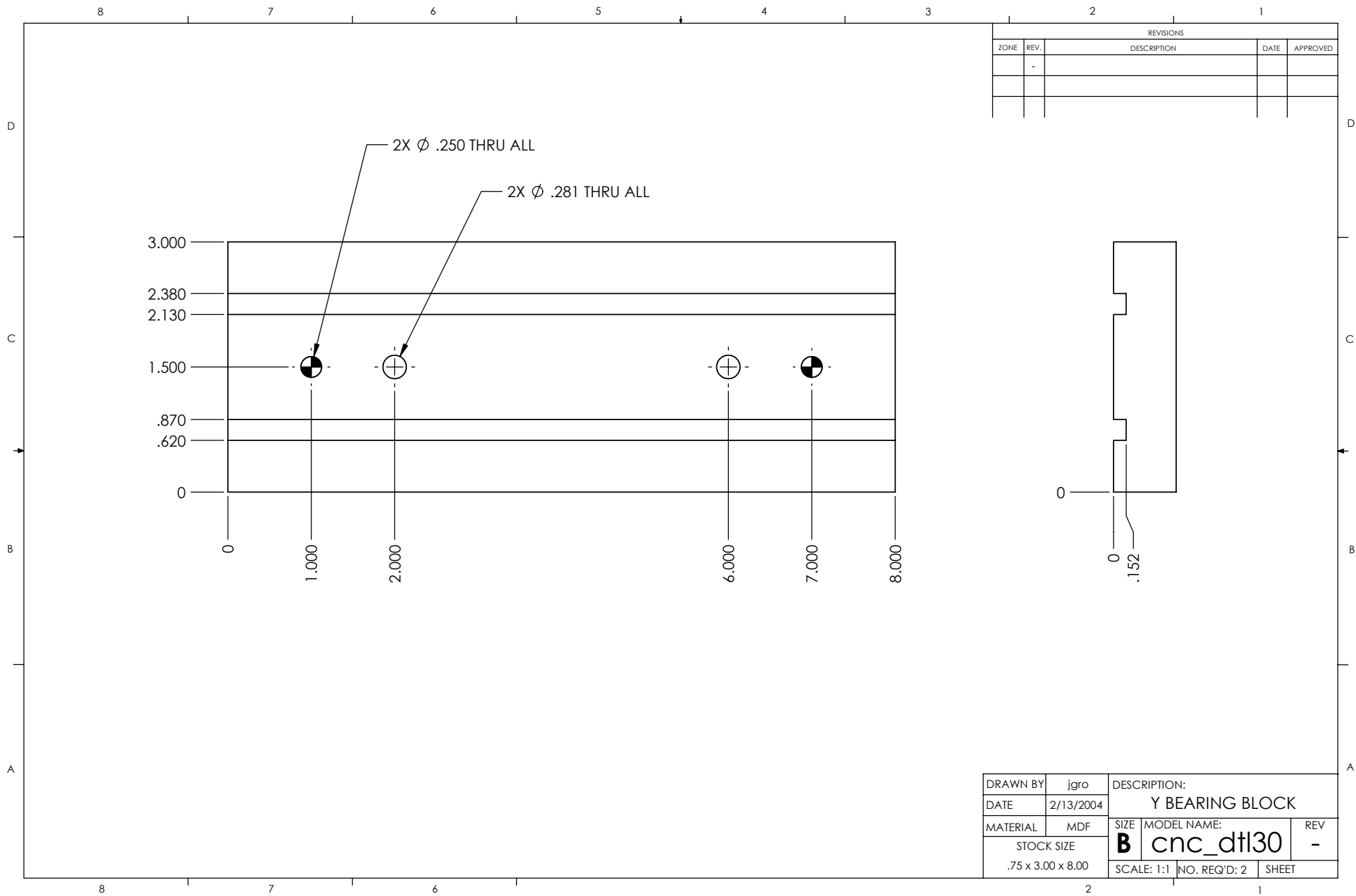
DRAWN BY	jgro	DESCRIPTION:		
DATE	2/13/2004	X GUIDE PIPE		
MATERIAL	1/2" GAS PIPE	SIZE	MODEL NAME:	REV
STOCK SIZE		A	cnc_dtl28	-
.84 x 26.00		SCALE: 1:1	NO. REQ'D: 2	SHEET

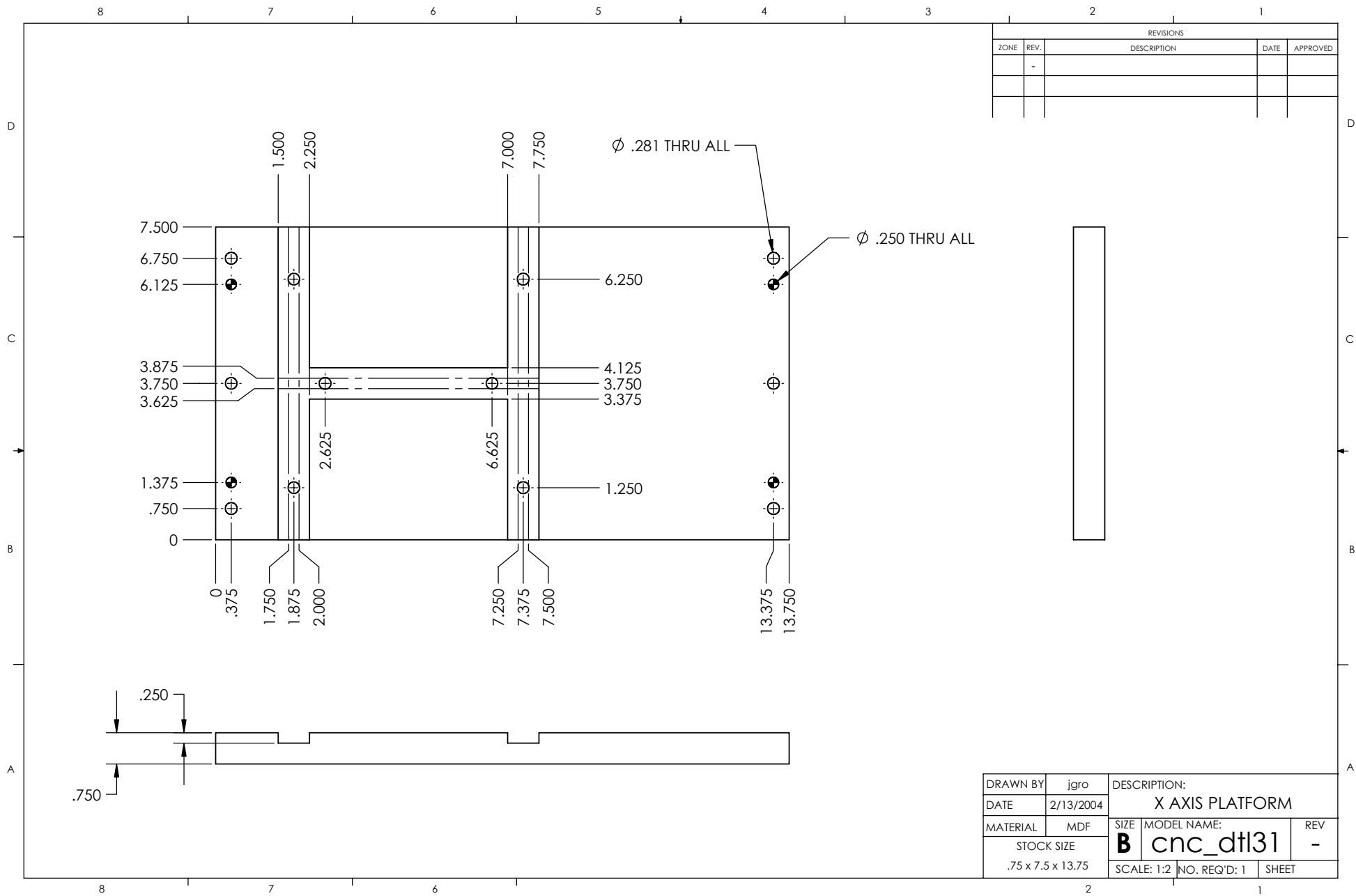
REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED

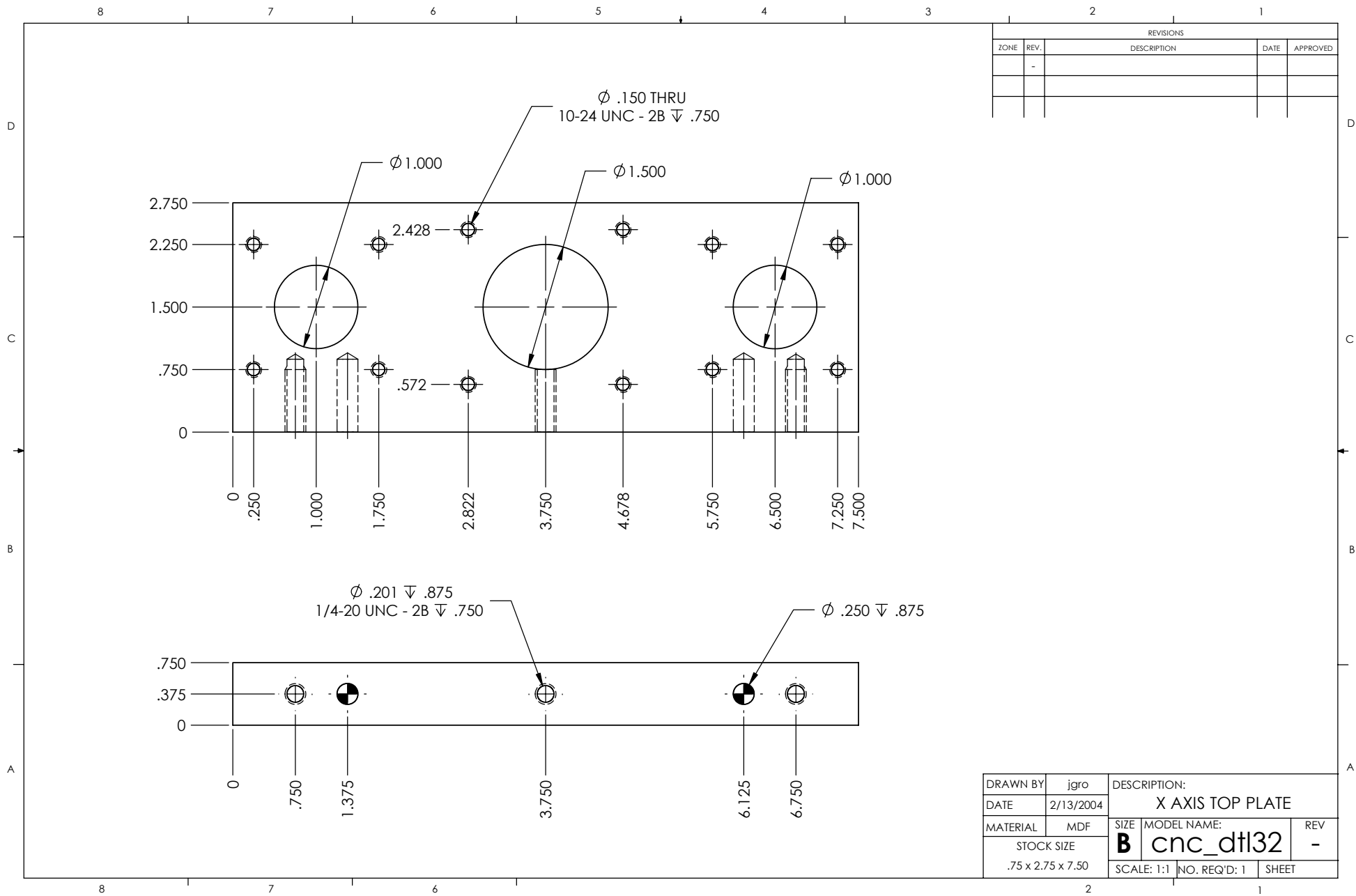


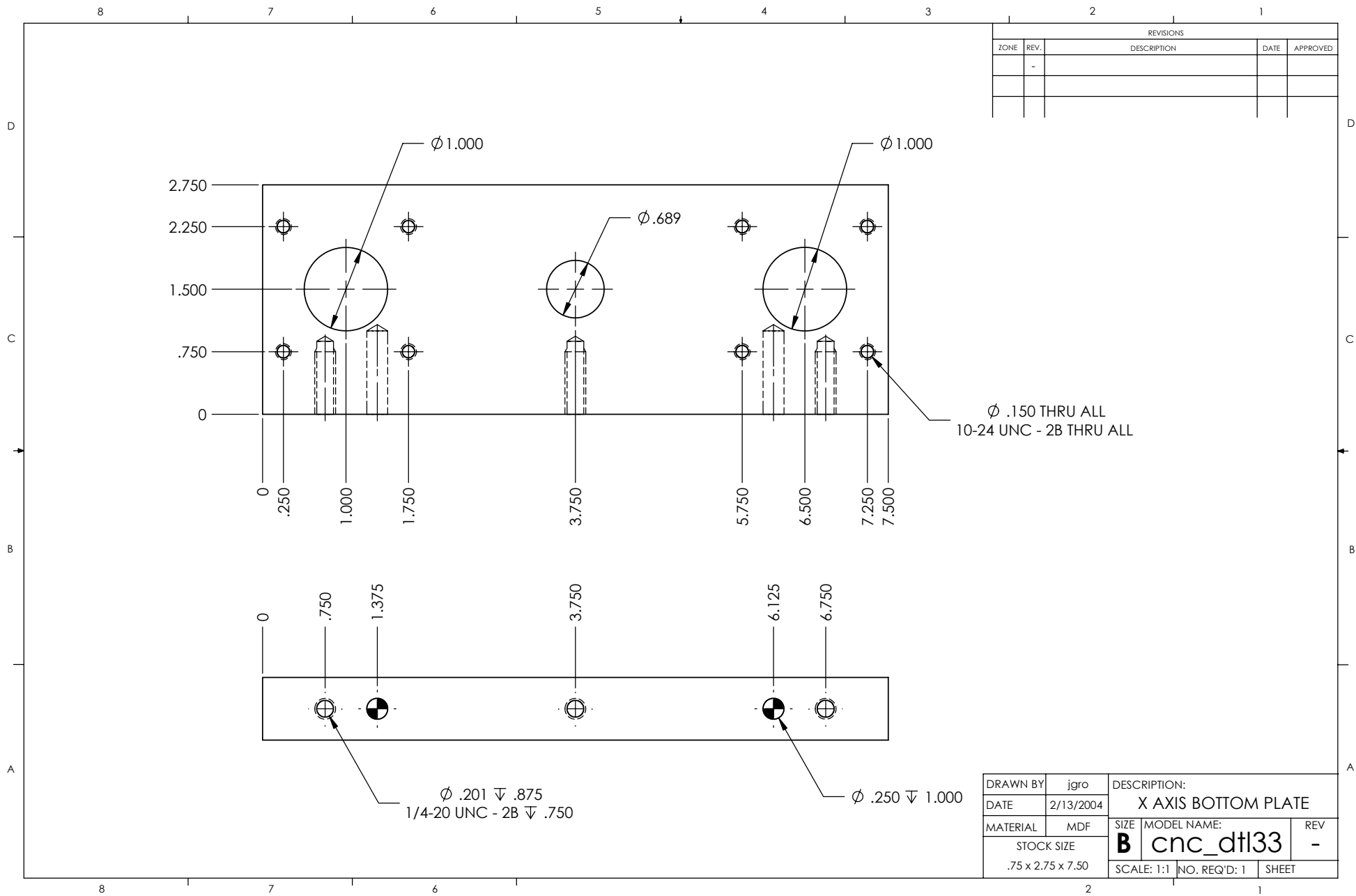
MAKE FROM 1/8 PIPE
DRILL OUT CENTER TO DIMESION SHOWN

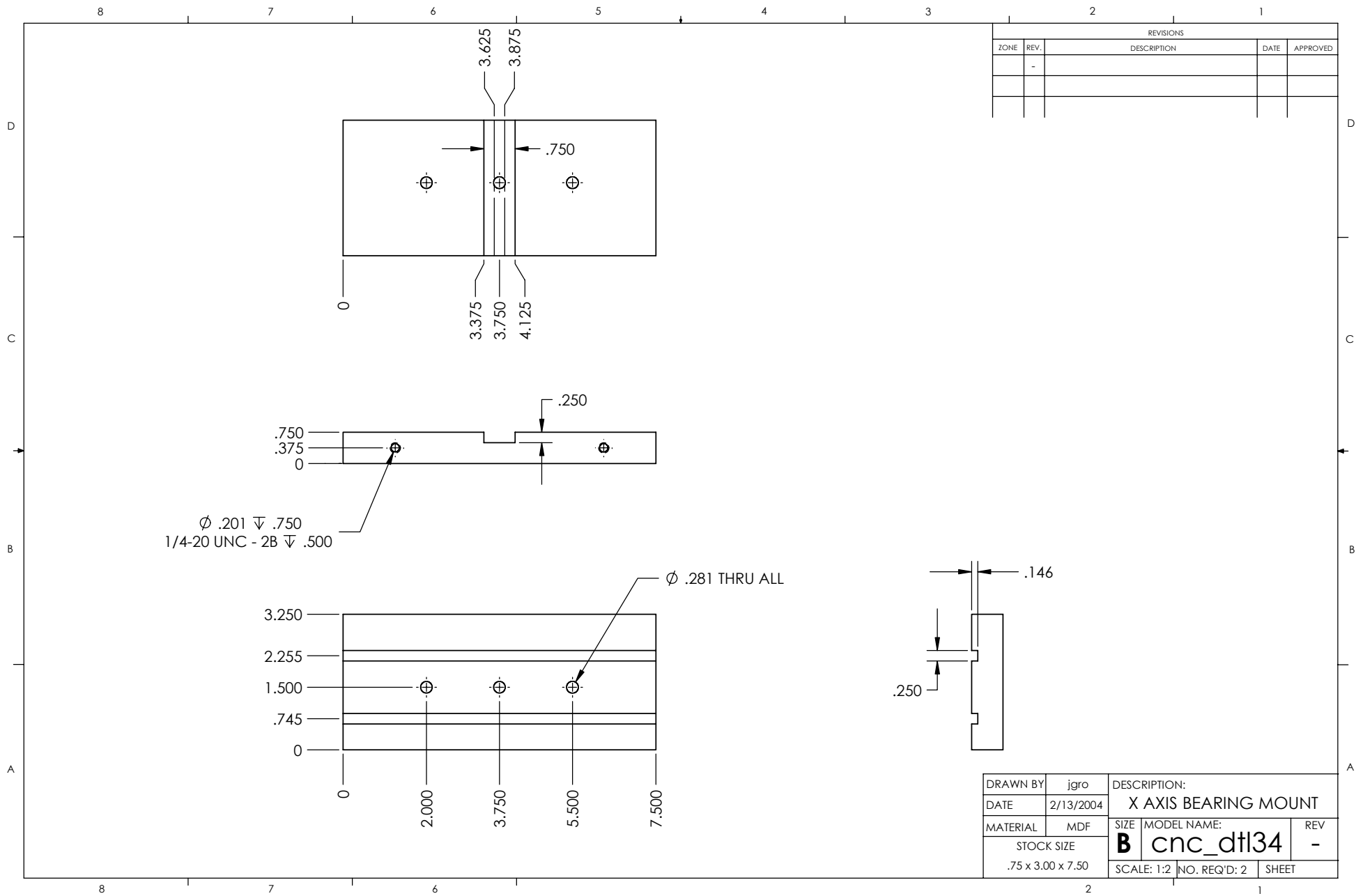
DRAWN BY	jgro	DESCRIPTION:		
DATE	2-13-04	SPACER - SMALL		
MATERIAL	1/8 PIPE	SIZE	MODEL NAME:	REV
STOCK SIZE		A	cnc_dtl29	-
.41 x .75		SCALE: 1:1	NO. REQ'D: 2	SHEET



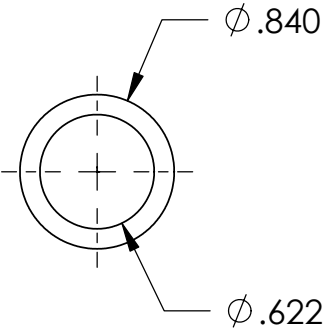
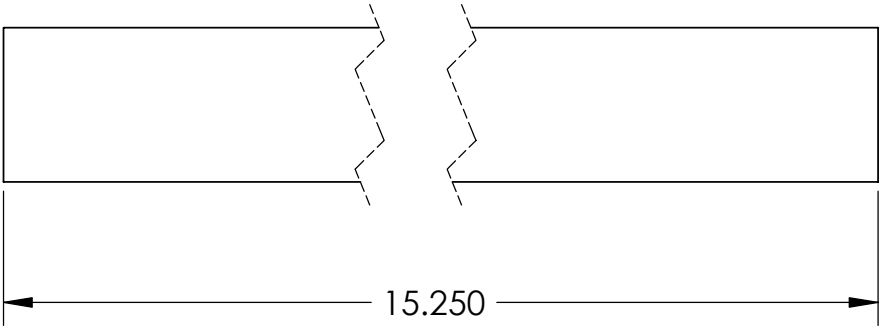




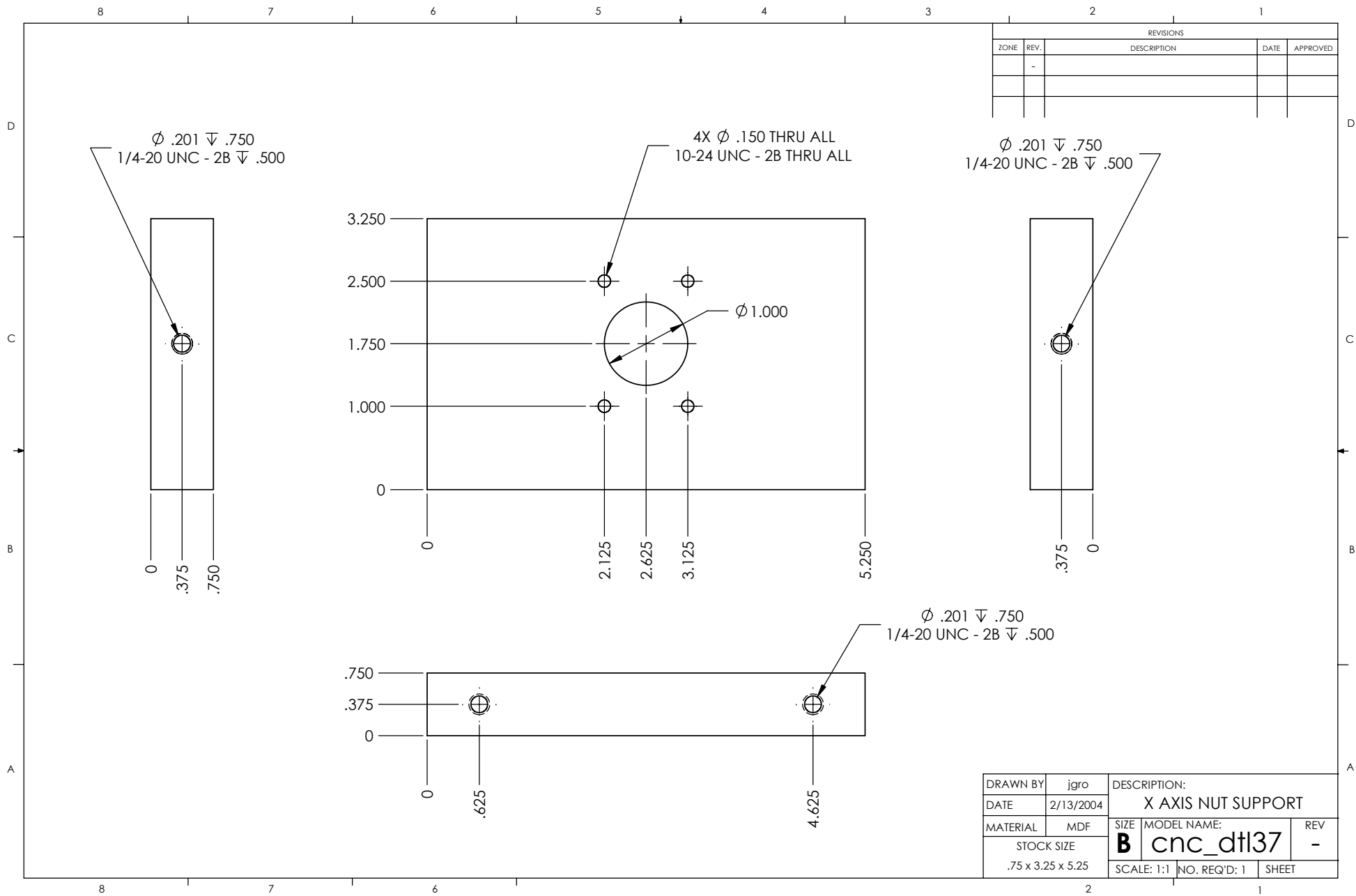


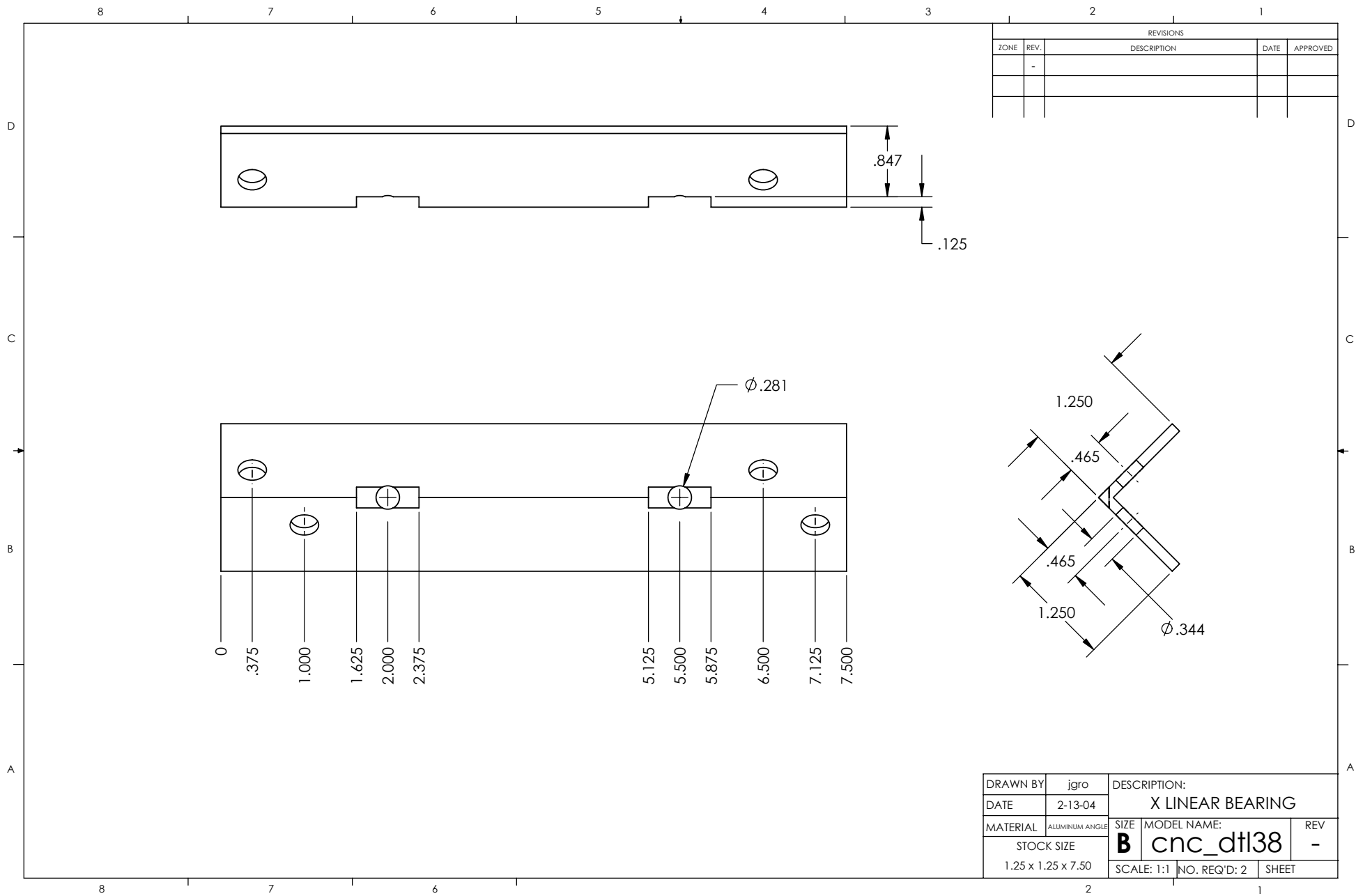


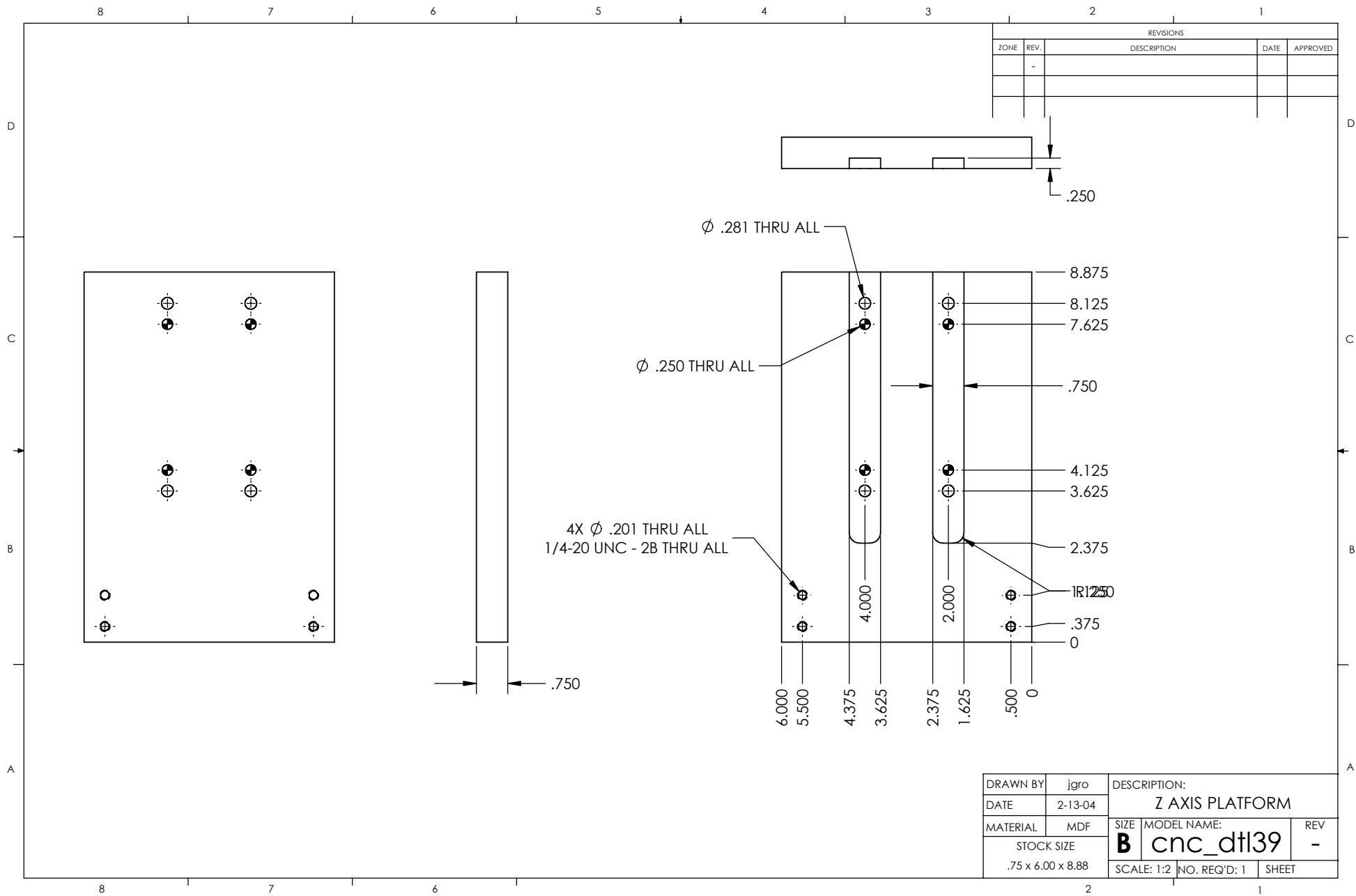
		REVISIONS		
ZONE	REV.	DESCRIPTION	DATE	APPROVED



DRAWN BY	jgro	DESCRIPTION:		
DATE	2/13/2004	Z AXIS GUIDE PIPE		
MATERIAL	1/2 GAS PIPE	SIZE	MODEL NAME:	REV
STOCK SIZE		A	cnc_dtl35	-
.84 x 15.25		SCALE: 1:1	NO. REQ'D:	SHEET

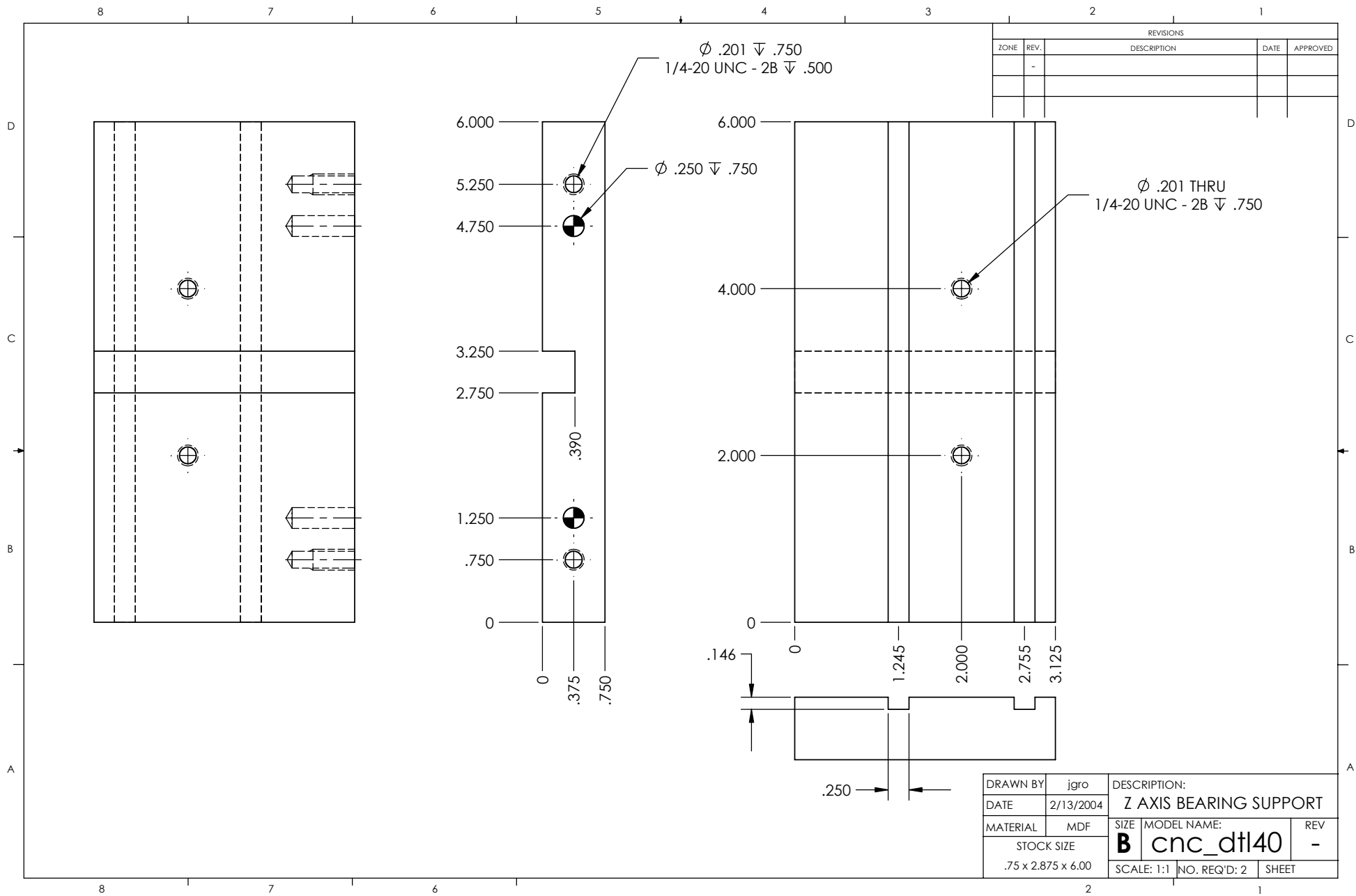


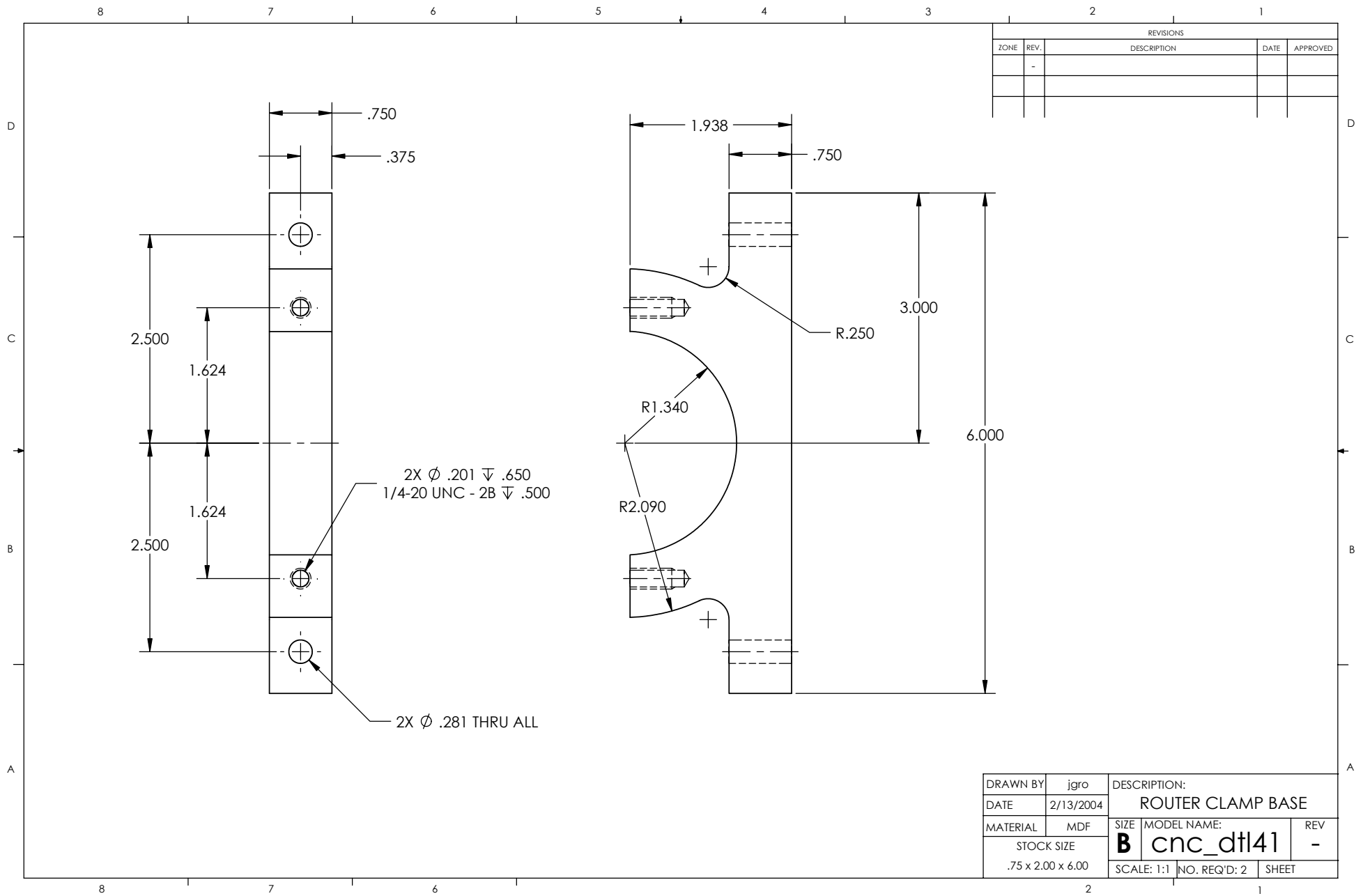




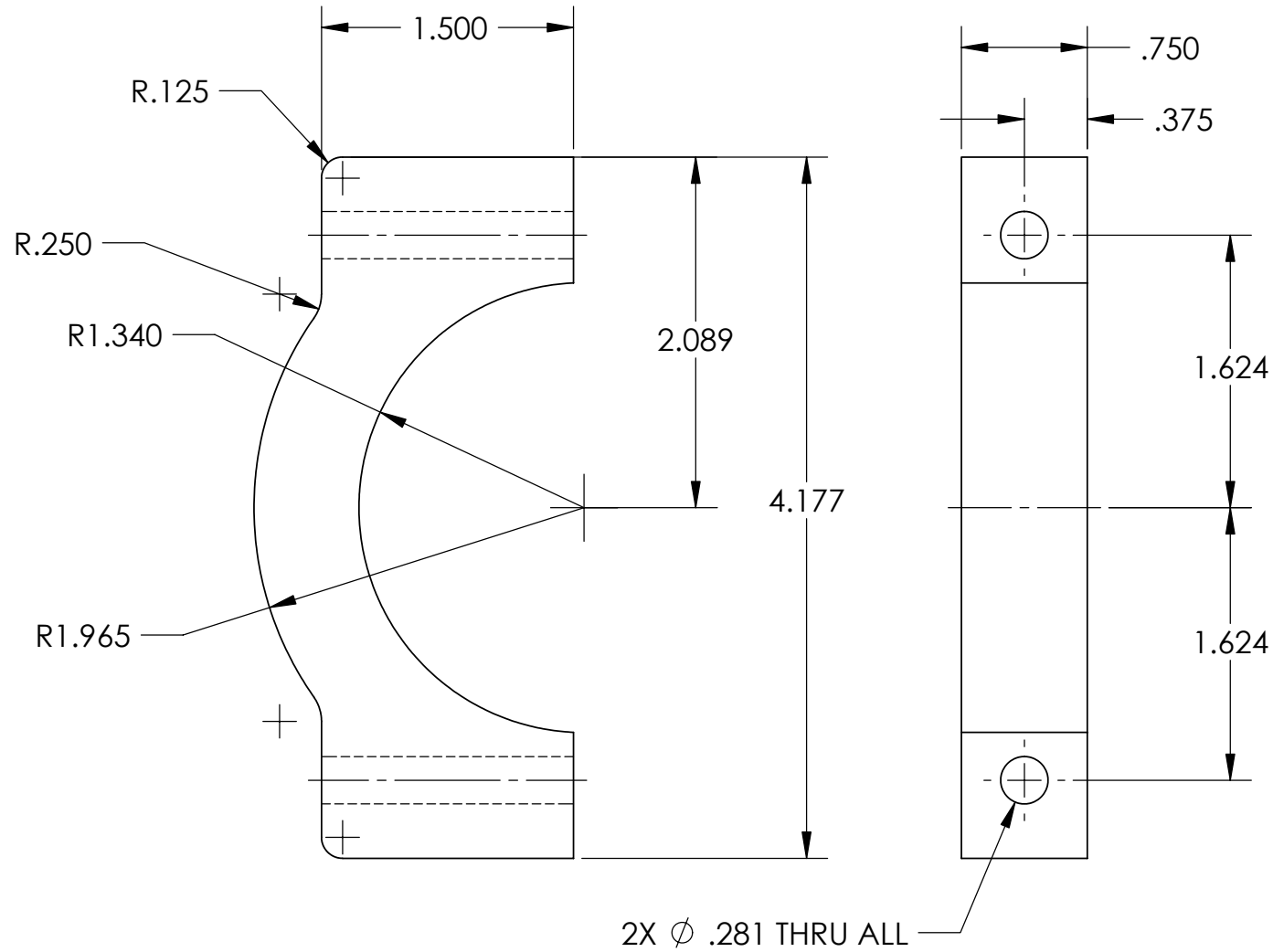
REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	-			

DRAWN BY	jgro	DESCRIPTION:		
DATE	2-13-04	Z AXIS PLATFORM		
MATERIAL	MDF	SIZE	MODEL NAME:	REV
STOCK SIZE		B	cnc_dtl39	-
.75 x 6.00 x 8.88		SCALE: 1:2	NO. REQ'D: 1	SHEET





REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED



DRAWN BY	jgro	DESCRIPTION:		
DATE	2/13/2004	ROUTER CLAMP		
MATERIAL	MDF	SIZE	MODEL NAME:	REV
STOCK SIZE		A	cnc_dtl42	-
.75 x 1.97 x 4.18		SCALE: 1:1	NO. REQ'D: 2	SHEET

