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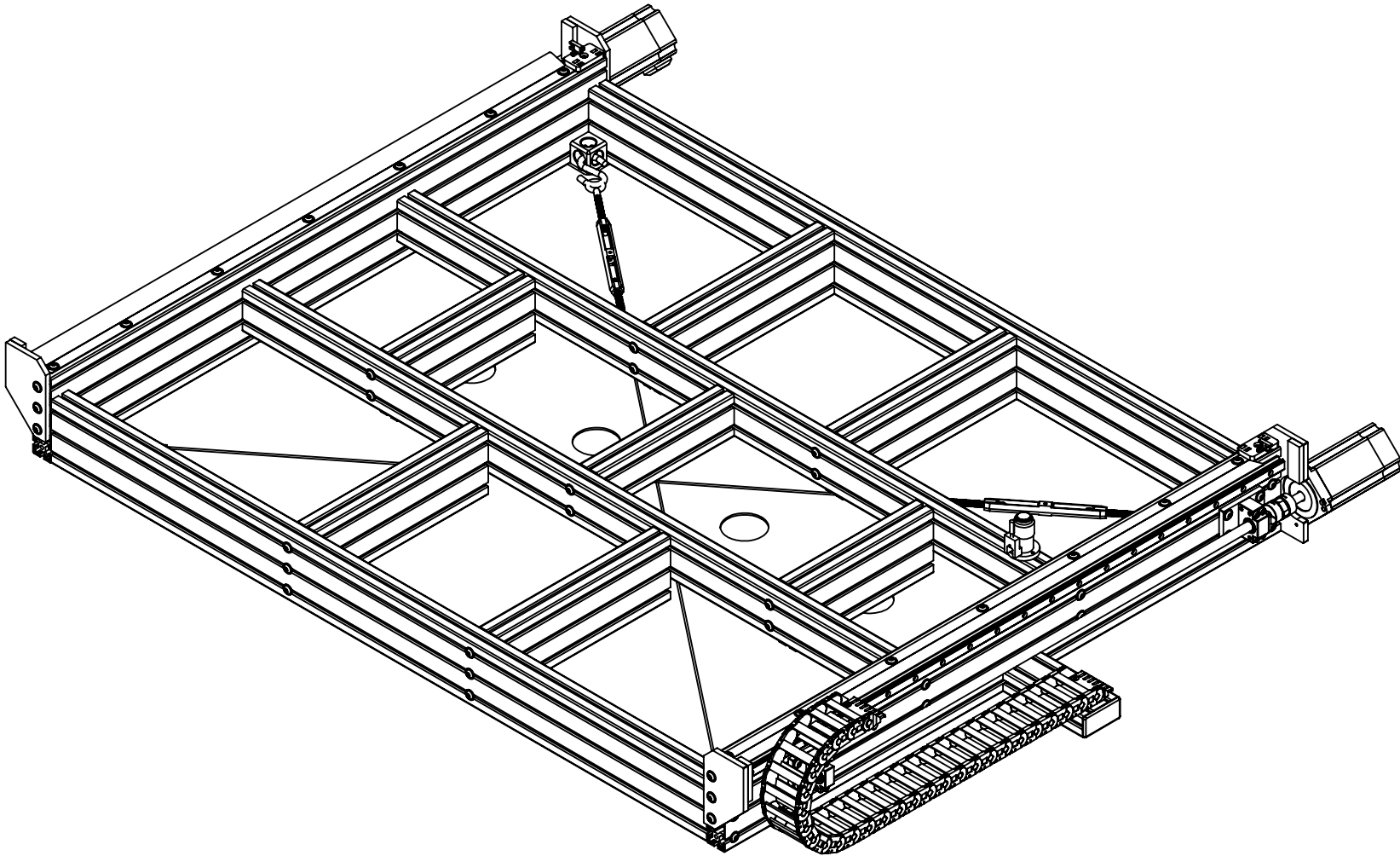
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NOTES UNLESS OTHERWISE SPECIFIED

- 1
- 2
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- APPROXIMATE MASS: 130 KG
- INSTALL USING INCLUDED HARDWARE
- TYPICALLY INCLUDED WITH OTHER COMPONENTS IN A KIT
- ADJUST TURNBUCKLES TO APPROXIMATELY 400 LBS TENSION AND UNTIL DIAGONALS MEASURE TO WITHIN 2MM OF EQUAL



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	NAME	DATE
DRAWN	A. BURKS	2/2/2022
CHECKED		
ANALYZED	A. BURKS	2/2/2022
APPROVED	A. BURKS	2/2/2022

UNLESS OTHERWISE SPECIFIED:
DIMENSIONS ARE IN MILLIMETERS
INTERPRET DRAWING PER ASME Y14.100
INTERPRET DIMENSIONS PER ASME Y14.5

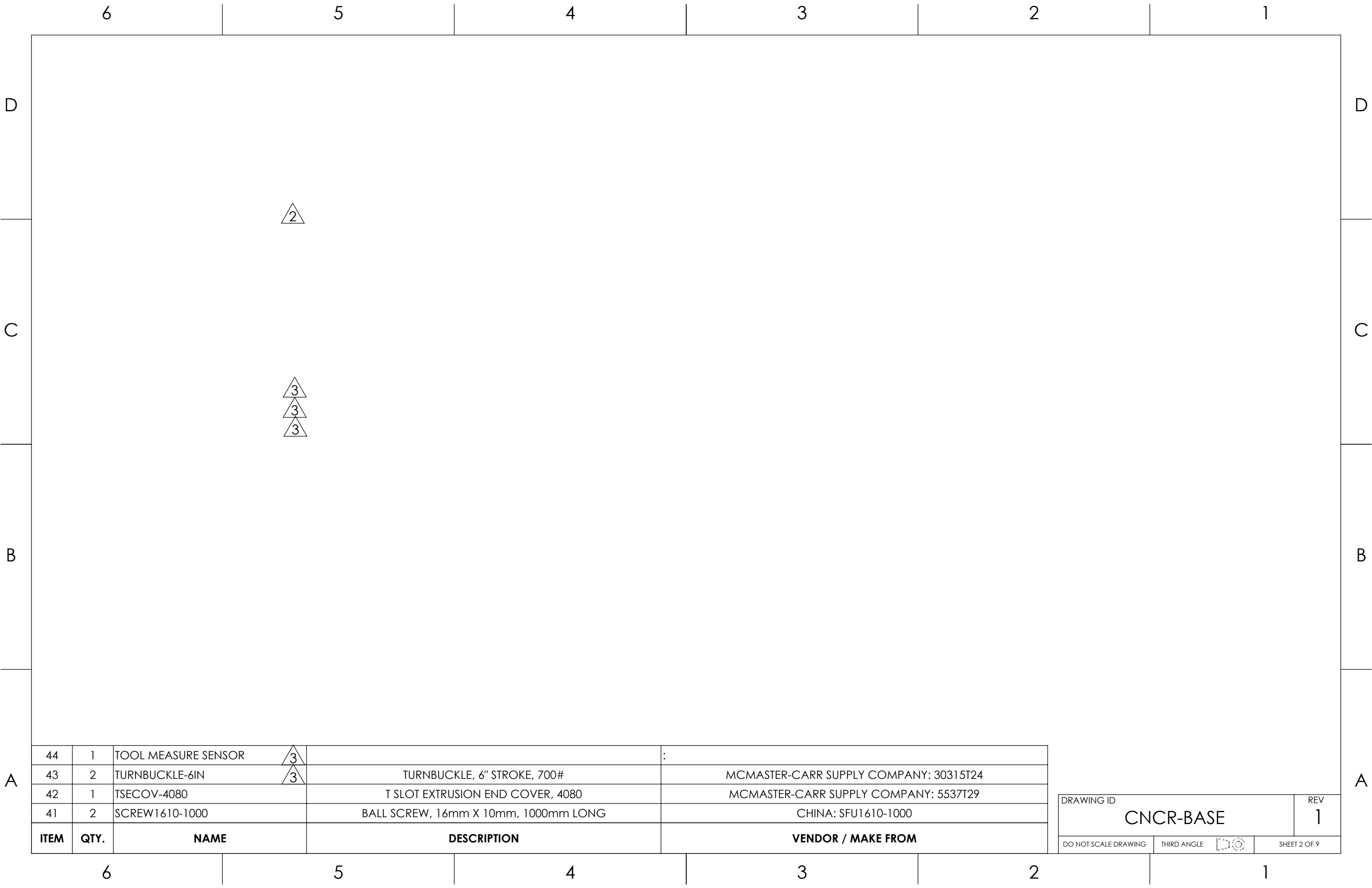
TOLERANCES, UNLESS OTHERWISE SPECIFIED:
X ± 2.0 X° ± 1.0°
X.X ± 0.5 X.X° ± 0.2°
X.XX ± 0.25

DOCUMENT REVISION HISTORY

REV.	DESCRIPTION	DATE	APPROVED
1	PRELIMINARY RELEASE FOR T SLOT BUILD	2 FEB 2022	A. BURKS

BURKS BUILDS
www.burksbuilds.com

DRAWING TITLE	
BASE FRAME	
DRAWING ID	REV
CNCR-BASE	1
DO NOT SCALE DRAWING	THIRD ANGLE
SHEET 1 OF 9	

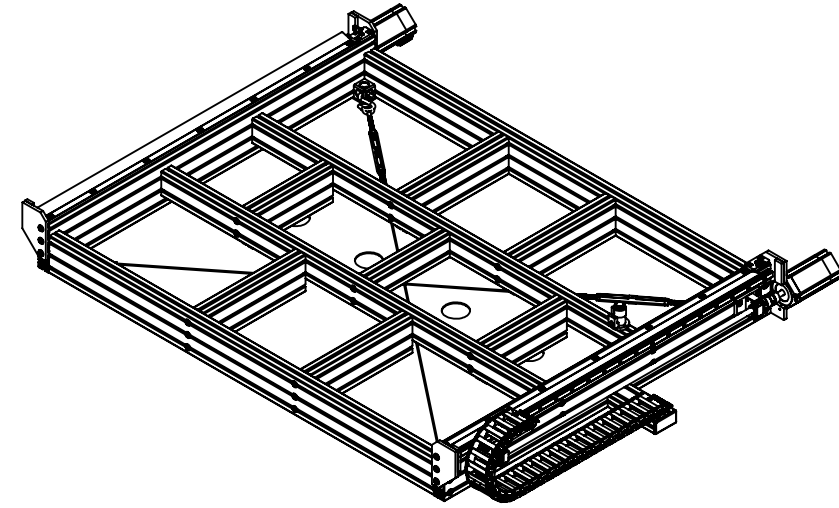
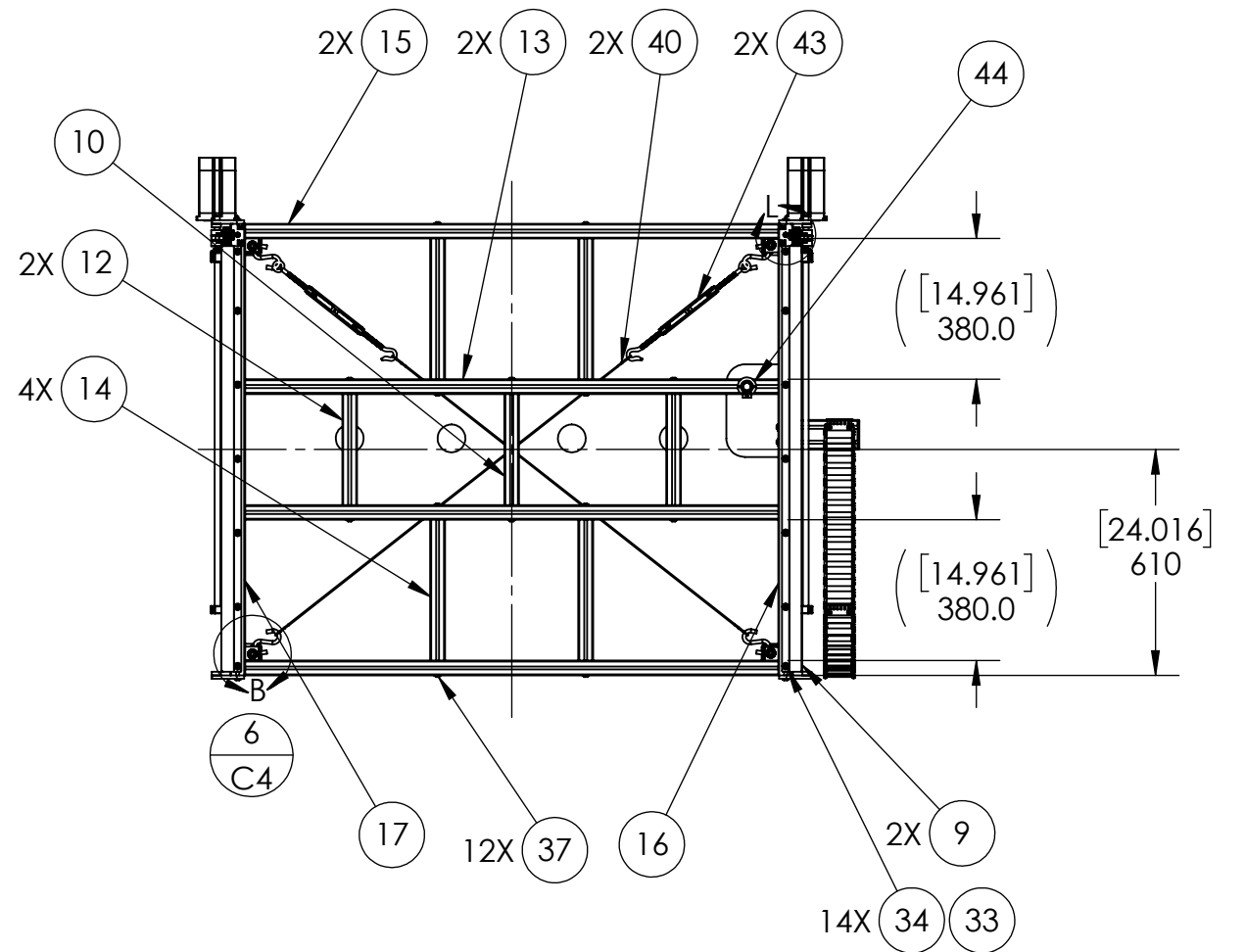


DRAWING ID		REV
CNCr-BASE		1
DO NOT SCALE DRAWING	THIRD ANGLE	SHEET 2 OF 9

6			5		4		3		2		1	
D	40	2	ROPE-STEEL-48IN	STEEL ROPE, 48IN LONG, 400#		MCMASTER-CARR SUPPLY COMPANY: 30645T573						
	39	2	RAIL20-1200	GUIDE RAIL, 20mm WIDE, 1200mm LONG		HIWIN: HGR20-1200						
	38	2	NEMA34-11	NEMA 34 STEPPER MOTOR, 11NM		OMC STEPPER ONLINE: 34HS59-6004D-E1000						
	37	54	M8X60MM-FBHCS	M8 X 60mm FLANGED BUTTON HEAD CAP SCREW		AMAZON: B08P2Q23KP						
	36	14	M8X25MM-FBHCS	M8 X 25mm FLANGE BUTTON HEAD CAP SCREW		MCMASTER-CARR SUPPLY COMPANY: 97654A385						
	35	16	M8X20MM-FBHCS	M8 X 20mm FLANGED BUTTON HEAD CAP SCREW		MCMASTER-CARR SUPPLY COMPANY: 97654A384						
	34	37	M8X12MM-FBHCS	M8 X 12mm FLANGED BUTTON HEAD CAP SCREW		MCMASTER-CARR SUPPLY COMPANY: 97654A680						
	33	53	M8-TSN40-BALL	M8 40mm T-SLOT NUT, SPRING-BALL		MCMASTER-CARR SUPPLY COMPANY: 5537T42						
C	32	4	M8-TSB40-CORNER	3-WAY INSIDE CORNER, 40mm T SLOT		MCMASTER-CARR SUPPLY COMPANY: 5537T291						
	31	12	M6X40MM-SHCS	M6 X 40mm SOCKET HEAD CAP SCREW		MCMASTER-CARR SUPPLY COMPANY: 91292A142						
	30	6	M6X20MM-BHCS	M6 X 20mm BUTTON HEAD CAP SCREW		MCMASTER-CARR SUPPLY COMPANY: 92095A240						
	29	6	M6X16MM-SHFS	M6 X 16mm SOCKET HEAD FLAT SCREW		MCMASTER-CARR SUPPLY COMPANY: 92125A238						
	28	6	M6-TSN40-BALL	M6 40mm T-SLOT NUT, SPRING-BALL		MCMASTER-CARR SUPPLY COMPANY: 5537T41						
	27	40	M5X20MM-SHCS	M5 X 20mm SOCKET HEAD CAP SCREW		MCMASTER-CARR SUPPLY COMPANY: 91292A128						
	26	40	M5-TSN40-HAMMER	M5 40mm T-SLOT NUT, HAMMER		AMAZON: B08DRBYYJD						
	25	4	M3X12MM-BHCS	M3 X 12mm BUTTON HEAD CAP SCREW		MCMASTER-CARR SUPPLY COMPANY: 92095A183						
B	24	2	LS-TB-T	THOUGH-BEAM SENSOR		PANASONIC: PM-T65						
	23	2	HUB33-CON	92A SPIDER COUPLING, 33mm OD		MCMASTER-CARR SUPPLY COMPANY: 9845T18						
	22	2	HUB33-14	14mm SHAFT COUPLING, 33mm OD		MCMASTER-CARR SUPPLY COMPANY: 9845T424						
	21	2	HUB33-10	10mm SHAFT COUPLING, 33mm OD		MCMASTER-CARR SUPPLY COMPANY: 9845T42						
	20	4	HOOK-S-10mm	S HOOK, 10mm THICKNESS, 400#		MCMASTER: 9380T14						
	19	2	CNCR-HSM	HOMING SWITCH MOUNT		ABS FILAMENT						
	18	4	CNCR-BUMP-Y	HARD STOP BUMPER		3/8" OR 10 mm THICK SHORE 90A SHEET OR STRIP						
	17	1	CNCR-BASE-TSE-RM-FREE	RAIL SUPPORT MEMBER		40-40160 T SLOT EXTRUSION, LIGHTWEIGHT						
A	16	1	CNCR-BASE-TSE-RM-CABLE	RAIL SUPPORT MEMBER		40-40160 T SLOT EXTRUSION, LIGHTWEIGHT						
	15	2	CNCR-BASE-TSE-OM	Outer Cross Member		40-40120 T SLOT EXTRUSION, LIGHTWEIGHT						
	14	4	CNCR-BASE-TSE-OBM	Outer Blocking Cross Member		40-40120 T SLOT EXTRUSION, LIGHTWEIGHT						
	13	2	CNCR-BASE-TSE-IM	INNER CROSS MEMBER		40-4080 T SLOT EXTRUSION, LIGHTWEIGHT						
	12	2	CNCR-BASE-TSE-IBM	Inner Blocking Cross Member		40-40120 T SLOT EXTRUSION, LIGHTWEIGHT						
	11	1	CNCR-BASE-TSE-ECM	E-CHAIN MOUNT		40-4080 T SLOT EXTRUSION, LIGHTWEIGHT						
	10	1	CNCR-BASE-TSE-CBM	Center Blocking Cross Member		40-4080 T SLOT EXTRUSION, LIGHTWEIGHT						
	9	2	CNCR-BASE-SG	SIDE GUARD, BASE		:						
	8	2	CNCR-BASE-MM	MOTOR MOUNT, 12mm SCREW, BASE		3/8" OR 10mm THICK PLATE OR BAR						
	7	1	CNCR-BASE-LSP	LOWER SHEAR PANEL, BASE		10 GAUGE STEEL						
	6	2	CNCR-BASE-HS	HARD STOP, BASE		3/8" OR 10mm THICK PLATE OR BAR						
	5	1	CNCR-BASE-EC	Y AXIS E-CHAIN		IGUS: 1500-068-100-14068-34PZ82-0899m						
	4	2	BK12	SCREW BEARING, FIXED END, 12mm		HIWIN: BK12						
	3	2	BF12	SCREW BEARING, FREE END, 12mm		HIWIN: BF12						
	2	2	BBM12-FREE	BEARING BLOCK MOUNT, 12mm		3/8" OR 10mm THICK PLATE OR BAR						
	1	2	BBM12-FIXED	BEARING BLOCK MOUNT, 12mm		3/8" OR 10mm THICK PLATE OR BAR						
ITEM			QTY.	NAME		DESCRIPTION		VENDOR / MAKE FROM				
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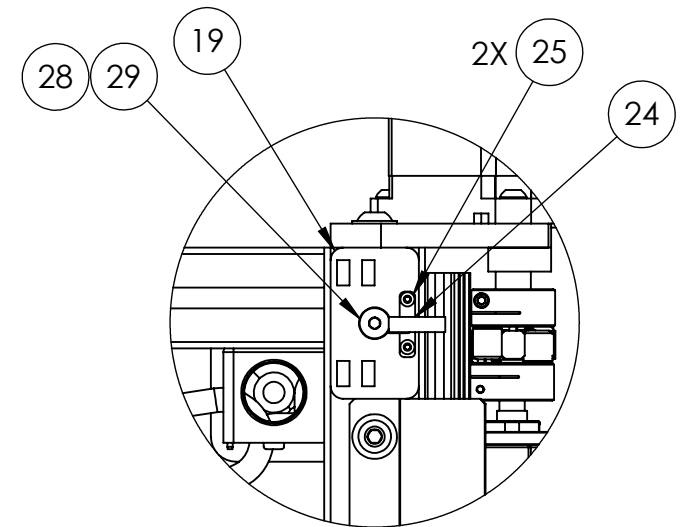
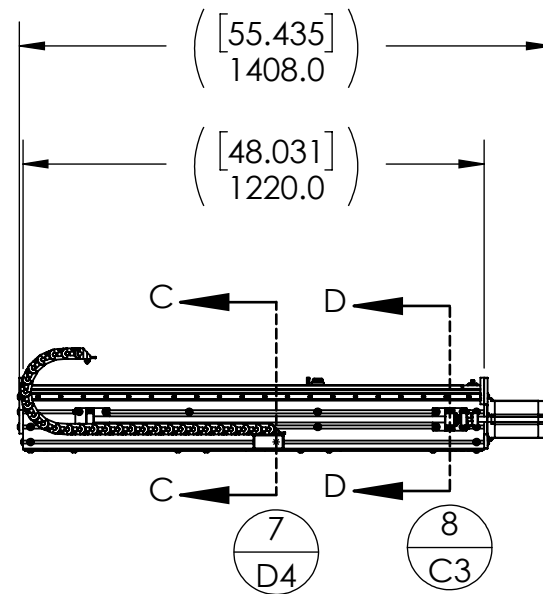
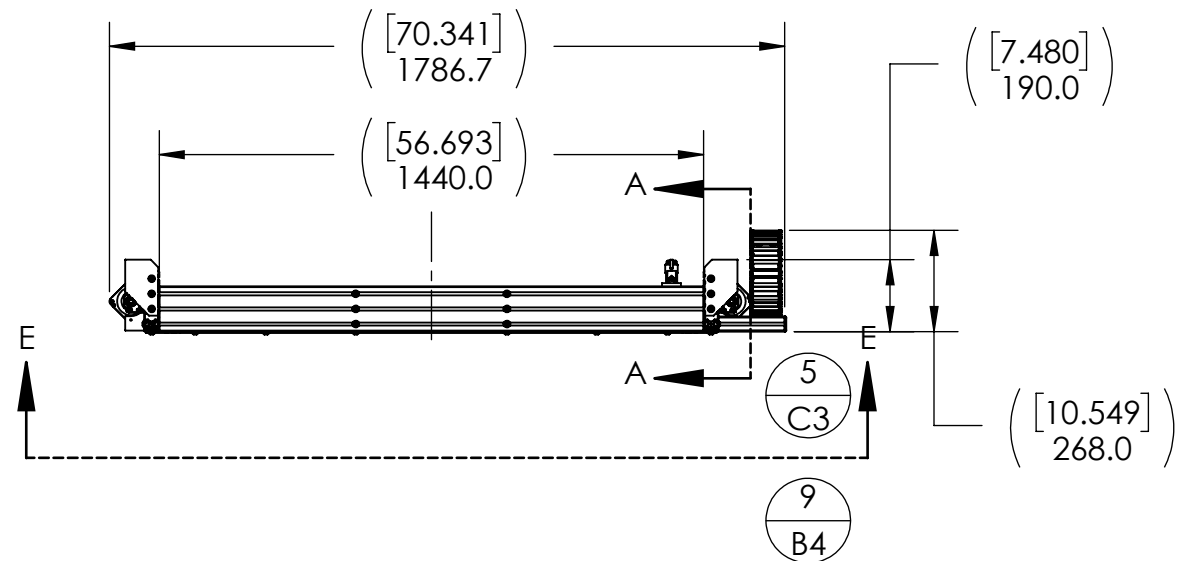


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DETAIL L
2 LOCATIONS (MIRRORED)

DRAWING ID	CNCR-BASE	REV	1
DO NOT SCALE DRAWING	THIRD ANGLE	SHEET 4 OF 9	

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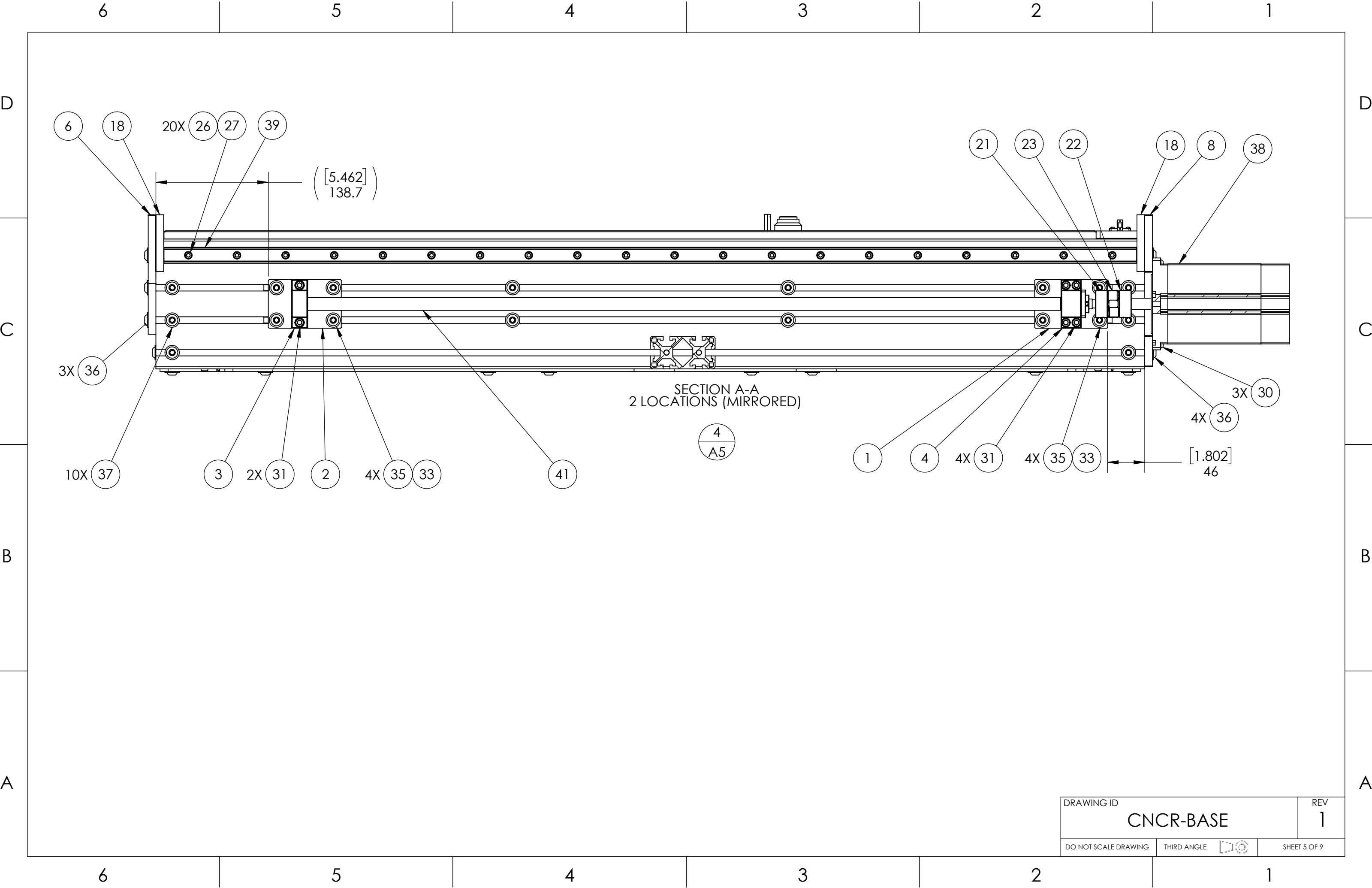
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DRAWING ID		REV
CNCR-BASE		1
DO NOT SCALE DRAWING	THIRD ANGLE	SHEET 5 OF 9

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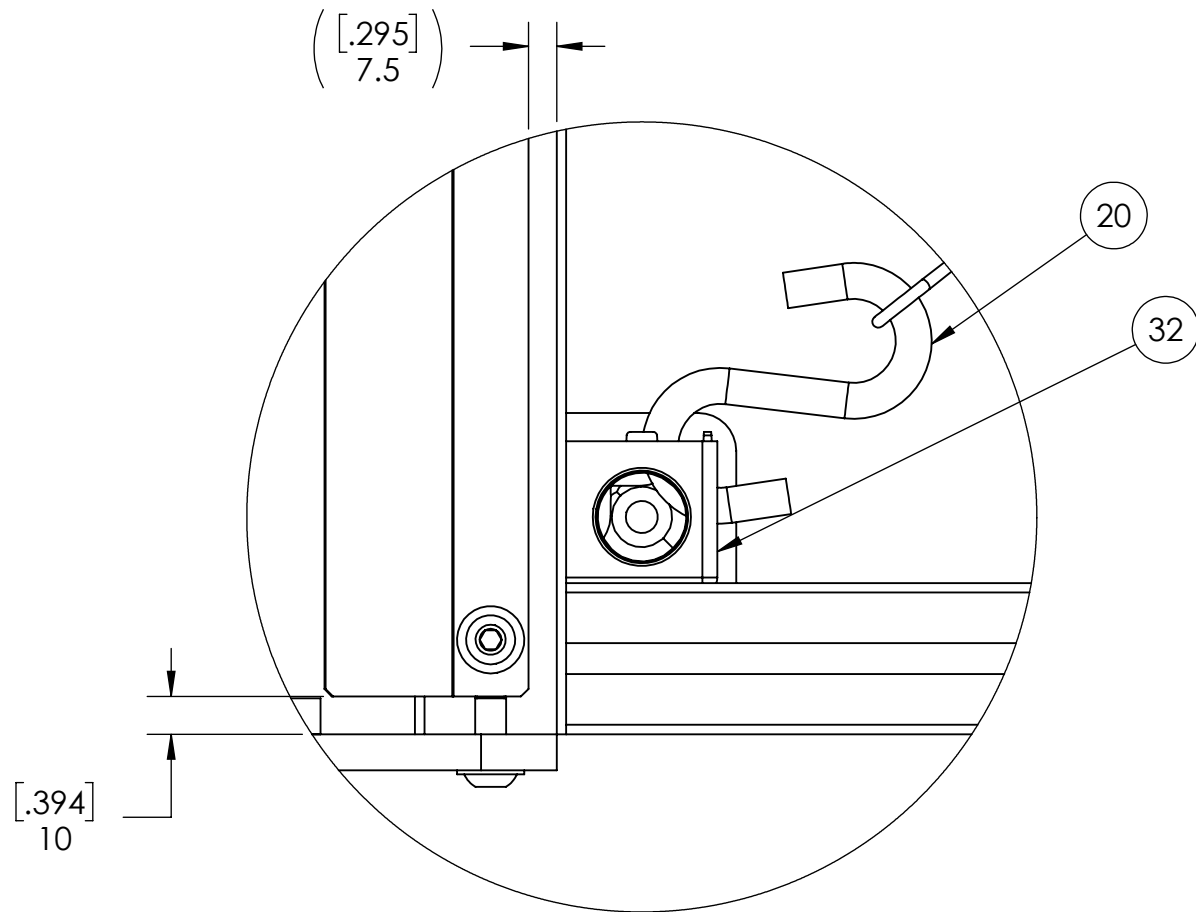
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DETAIL B
4 LOCATIONS (MIRRORED TWICE)

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C5

DRAWING ID	CNCR-BASE		REV	1
DO NOT SCALE DRAWING	THIRD ANGLE		SHEET 6 OF 9	

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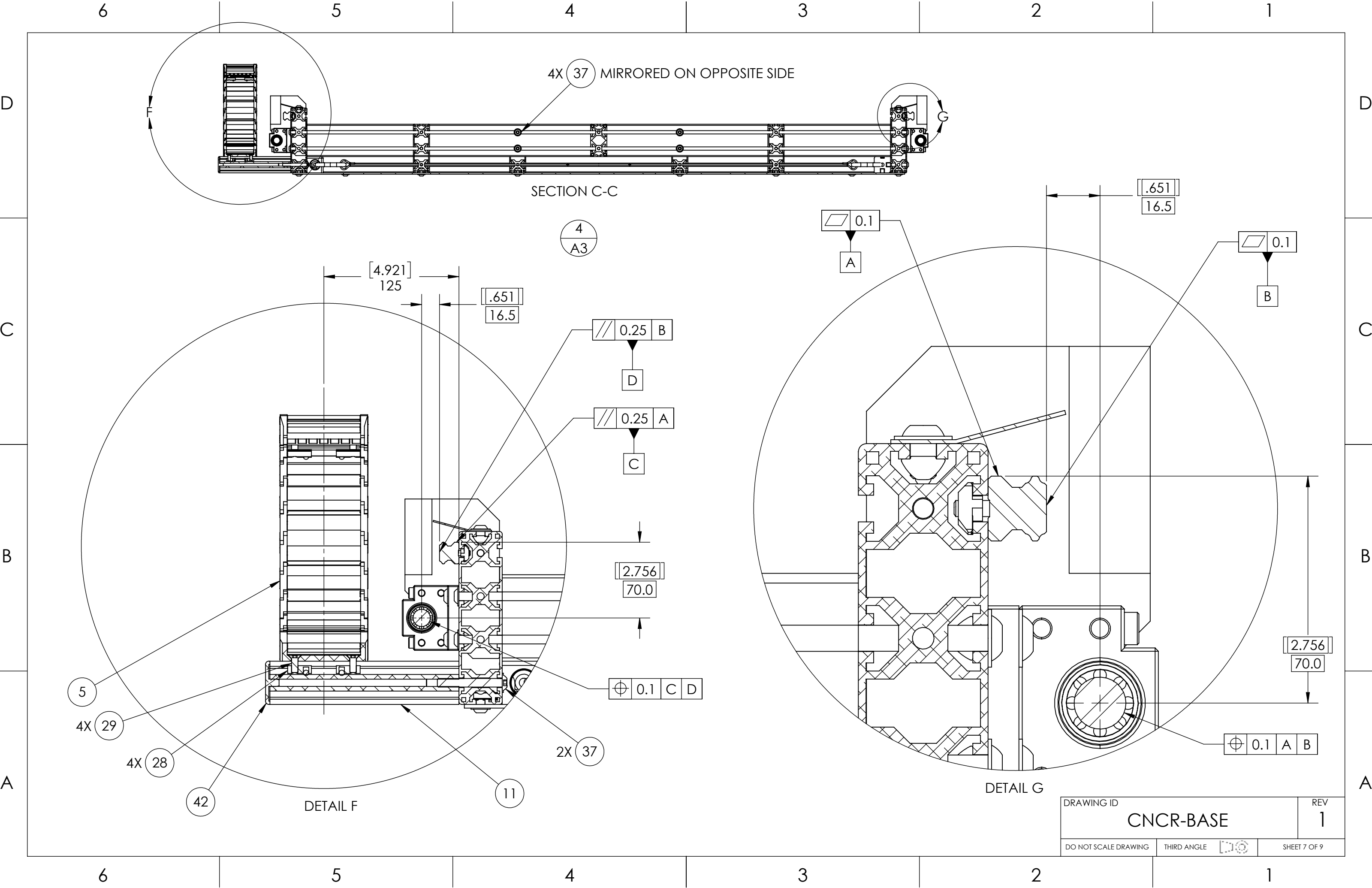
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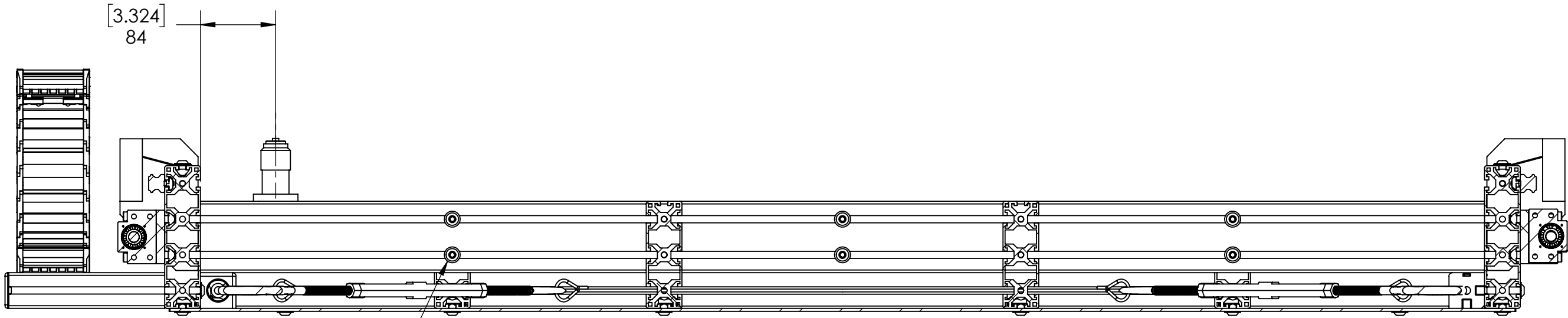
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SECTION D-D
2 LOCATIONS (MIRRORED)

6X 37

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DRAWING ID		REV
CNCR-BASE		1
DO NOT SCALE DRAWING	THIRD ANGLE	SHEET 8 OF 9

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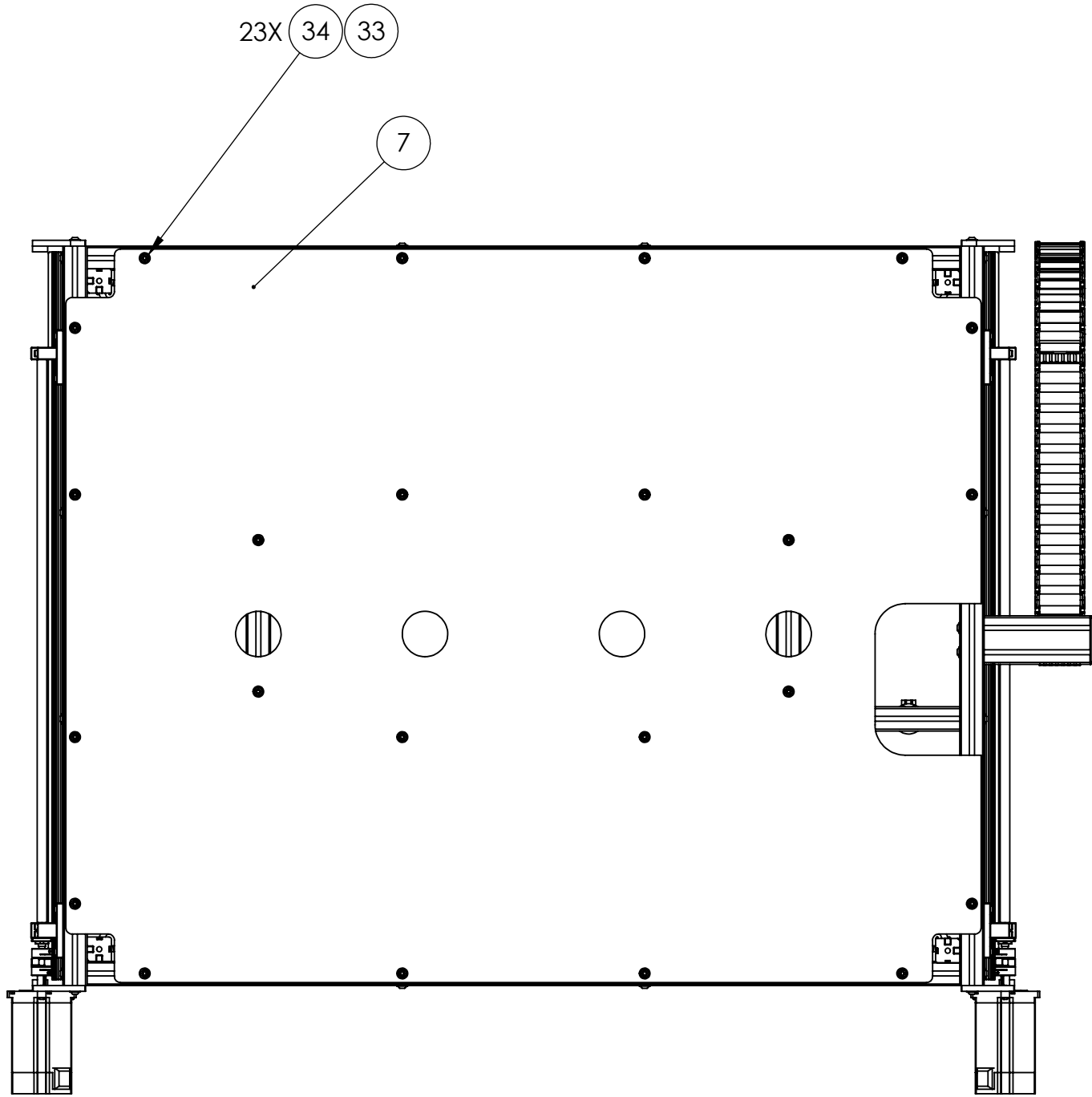
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SECTION E-E

4
A5

DRAWING ID		REV
CNCR-BASE		1
DO NOT SCALE DRAWING	THIRD ANGLE	SHEET 9 OF 9