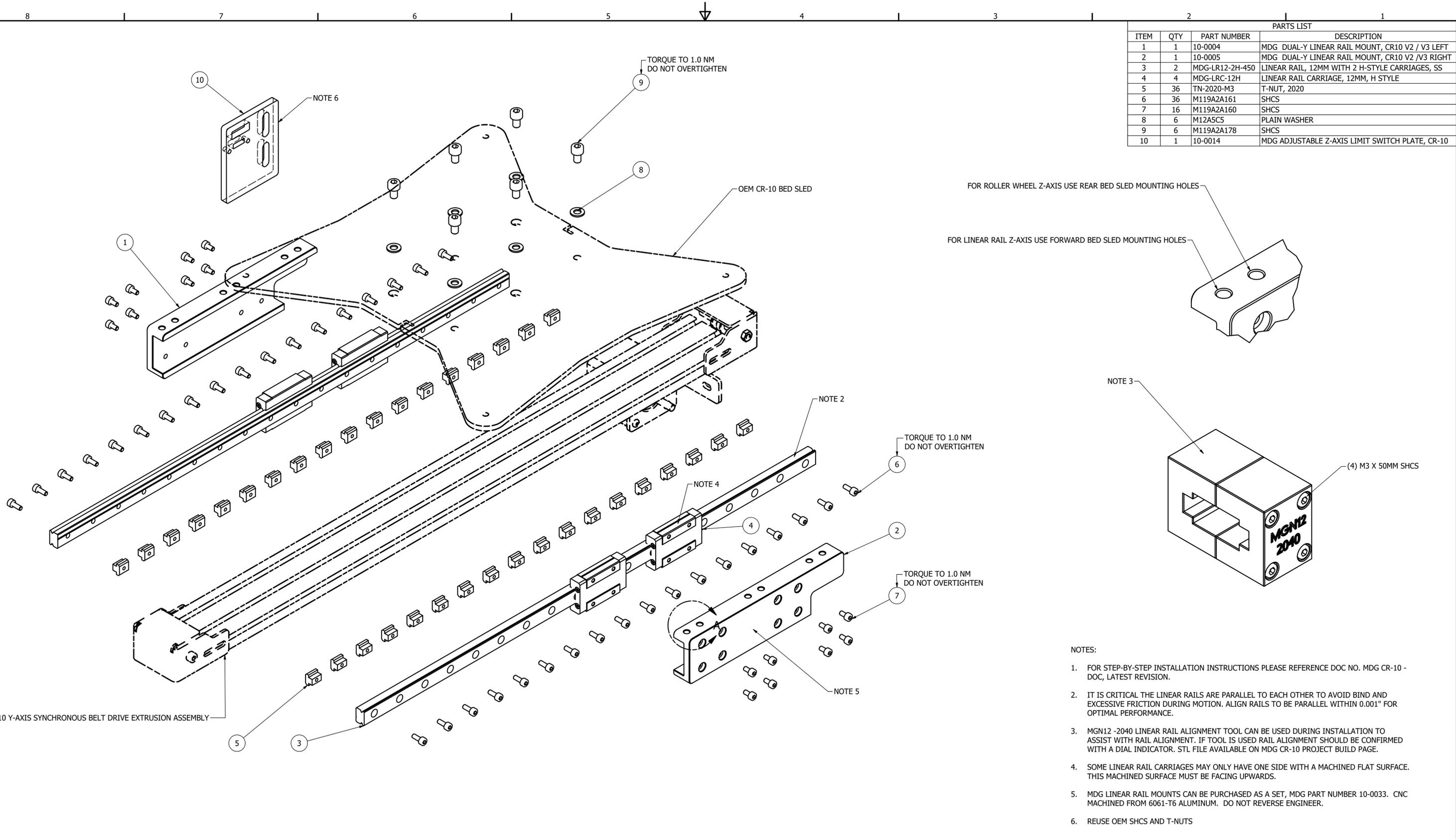


PARTS LIST			DESCRIPTION
ITEM	QTY	PART NUMBER	
1	1	10-0004	MDG DUAL-Y LINEAR RAIL MOUNT, CR10 V2 / V3 LEFT
2	1	10-0005	MDG DUAL-Y LINEAR RAIL MOUNT, CR10 V2 / V3 RIGHT
3	2	MDG-LR12-2H-450	LINEAR RAIL, 12MM WITH 2 H-STYLE CARRIAGES, SS
4	4	MDG-LRC-12H	LINEAR RAIL CARRIAGE, 12MM, H STYLE
5	36	TN-2020-M3	T-NUT, 2020
6	36	M119A2A161	SHCS
7	16	M119A2A160	SHCS
8	6	M12A5C5	PLAIN WASHER
9	6	M119A2A178	SHCS
10	1	10-0014	MDG ADJUSTABLE Z-AXIS LIMIT SWITCH PLATE, CR-10



- NOTES:
- FOR STEP-BY-STEP INSTALLATION INSTRUCTIONS PLEASE REFERENCE DOC NO. MDG CR-10 - DOC, LATEST REVISION.
 - IT IS CRITICAL THE LINEAR RAILS ARE PARALLEL TO EACH OTHER TO AVOID BIND AND EXCESSIVE FRICTION DURING MOTION. ALIGN RAILS TO BE PARALLEL WITHIN 0.001" FOR OPTIMAL PERFORMANCE.
 - MGN12 -2040 LINEAR RAIL ALIGNMENT TOOL CAN BE USED DURING INSTALLATION TO ASSIST WITH RAIL ALIGNMENT. IF TOOL IS USED RAIL ALIGNMENT SHOULD BE CONFIRMED WITH A DIAL INDICATOR. STL FILE AVAILABLE ON MDG CR-10 PROJECT BUILD PAGE.
 - SOME LINEAR RAIL CARRIAGES MAY ONLY HAVE ONE SIDE WITH A MACHINED FLAT SURFACE. THIS MACHINED SURFACE MUST BE FACING UPWARDS.
 - MDG LINEAR RAIL MOUNTS CAN BE PURCHASED AS A SET, MDG PART NUMBER 10-0033. CNC MACHINED FROM 6061-T6 ALUMINUM. DO NOT REVERSE ENGINEER.
 - REUSE OEM SHCS AND T-NUTS

NO.	DESCRIPTION	BY	CHK	APP	DATE
REVISIONS					

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THIS DRAWING CONFORMS TO A.S.M.E. STANDARD Y14.5 - 2018.
 UNLESS OTHERWISE SPECIFIED: ALL CIRCLES, LINES & FACES TO BE CONCENTRIC, PARALLEL & PERPENDICULAR WITHIN 0.010".
 UNSPECIFIED CHAMFERS AND RADII TO BE 0.03". UNSPECIFIED MACHINE FINISH 125 RMS. REMOVE ALL SHARP EDGES.
 COUNTERSINK TAPPED HOLES TO MAJOR THREAD DIAMETER. DO NOT SCALE DRAWING.

UNSPECIFIED TOLERANCES			
DIMENSION	X	XX	XXX
UNDER 36"	+/- .050	+/- .010	+/- .005
OVER 36"	+/- .100	+/- .025	+/- .010
ANGLES		+/- 0° 30'	

PROJECTION

MATERIAL:	SURFACE PREP.:
HARDNESS:	COAT / TREATMENT:
REFERENCE:	COLOR:
PATTERN:	
PREPARED BY / DATE:	CHECKED BY / DATE: PW 10/18/2020
REVIEWED BY / DATE:	APPROVED BY / DATE: PW 10/18/2020
PART NUMBER:	10-0031

TITLE: MDG DUAL-Y LINEAR RAIL KIT, CR-10

DRAWING NUMBER: 10-0031

SIZE	SCALE	REV
D		0