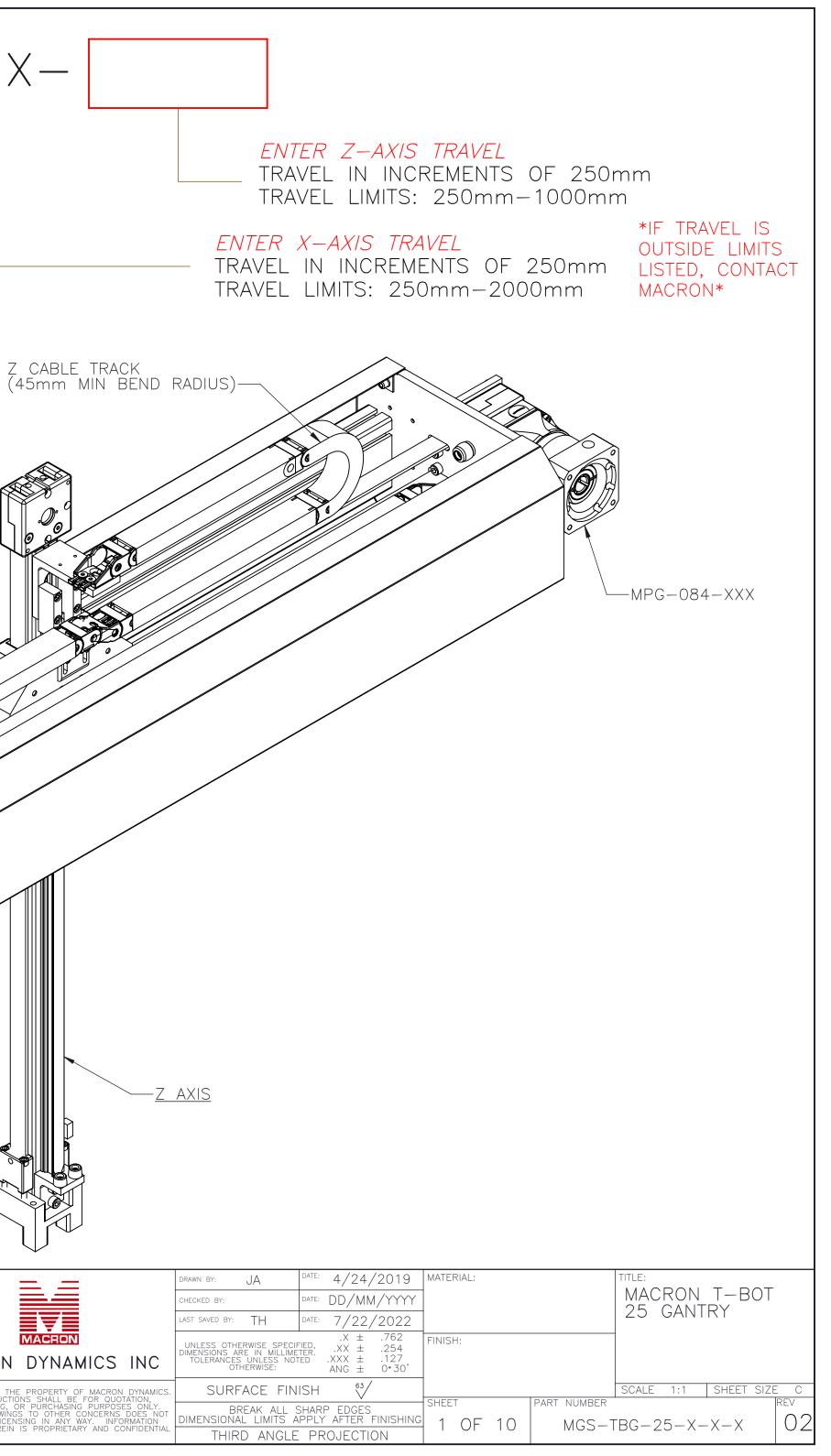
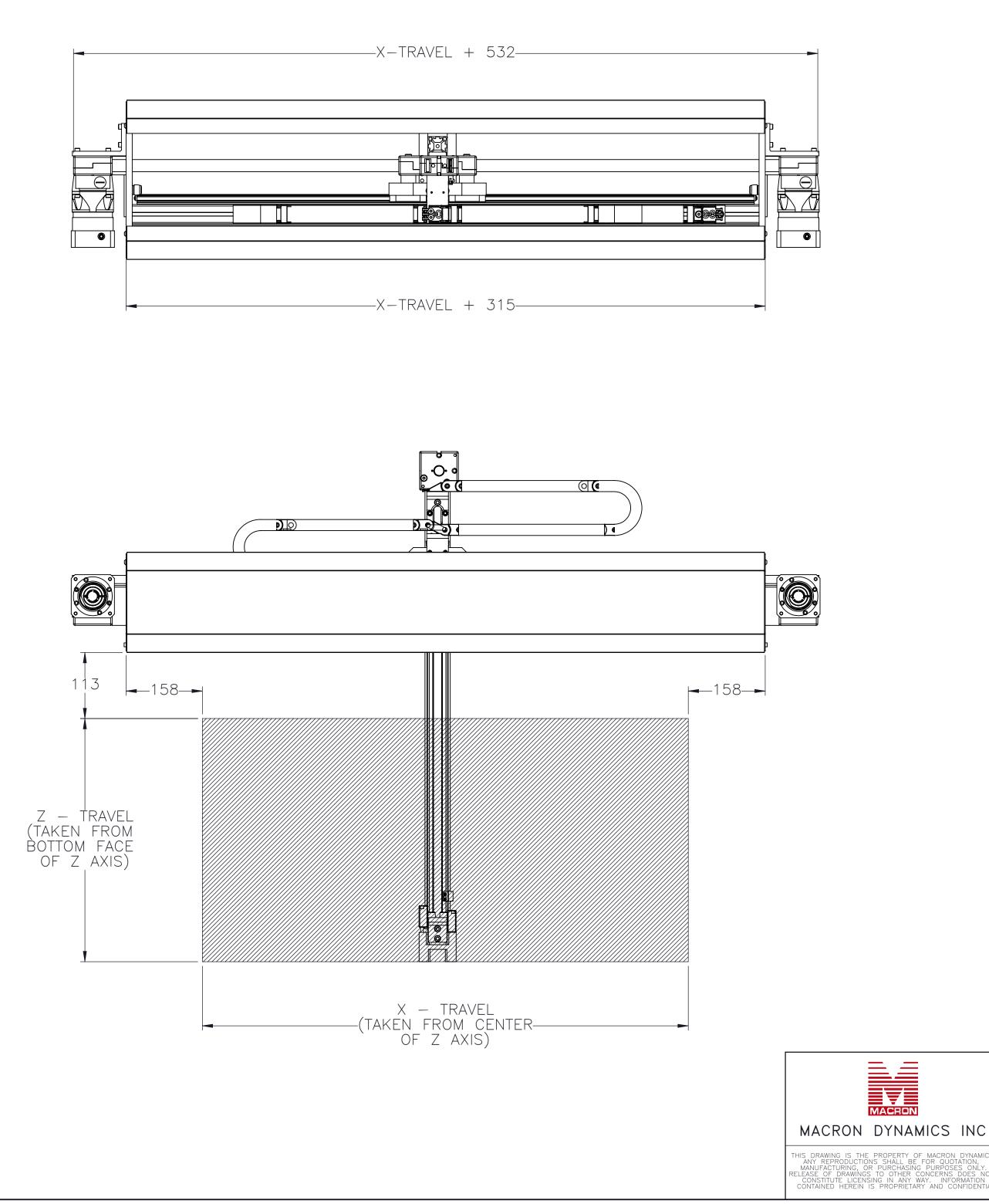
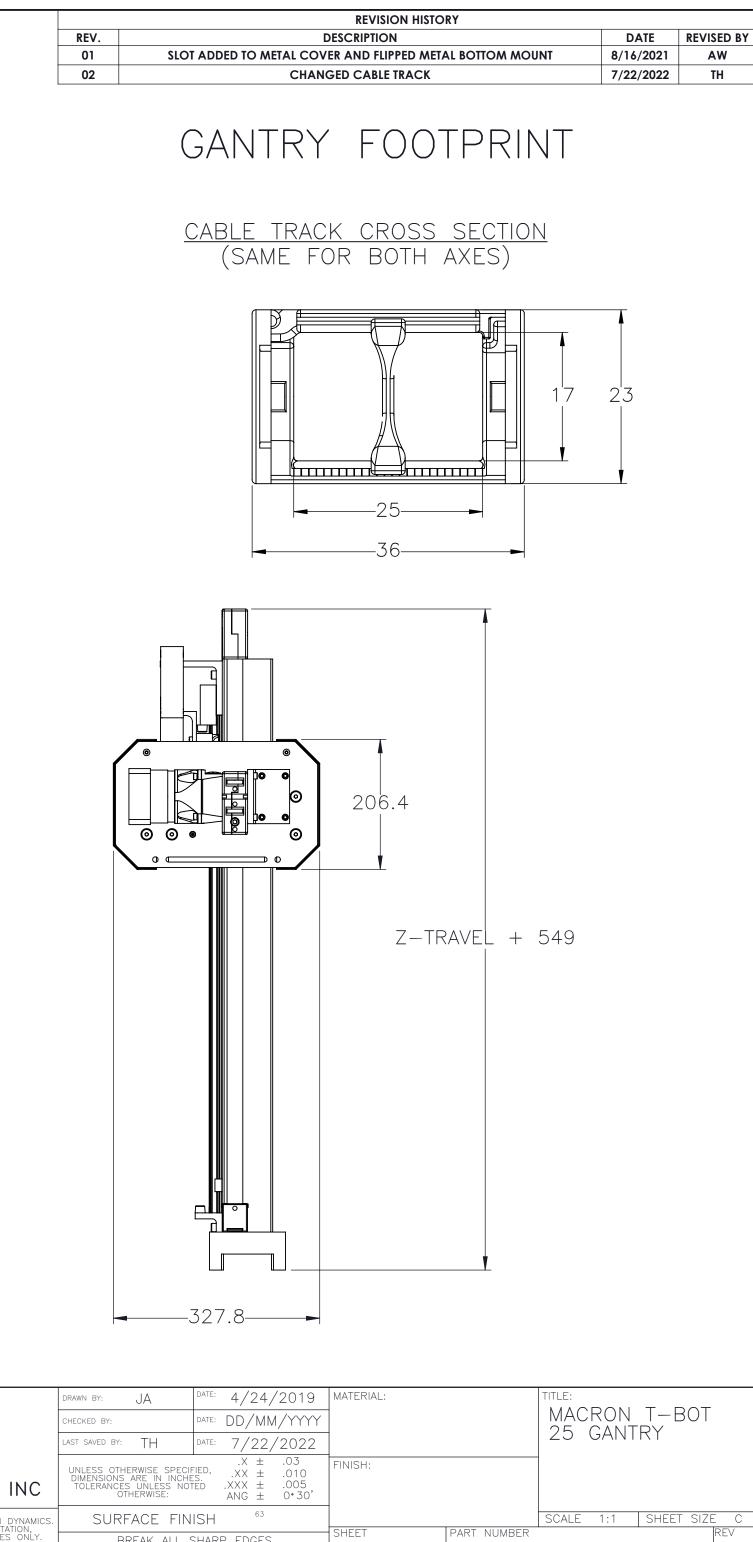
MGS	S-TBG-25-
GEARBOX MODEL <i>(CHOOSE FRAME S</i> MPG-064 MPG-084 MRG-064 MRG-084 RATIO:	NZE)
FOR DIRECT DRIVE OPTION WITH MM CHECK HERE:	'K (NO GEARBOX)
MOTOR INFORMATION MANUFACTURER: MODEL:	
SENSOR INFORMATION X-AXIS: HOME-QTY244 EOT-QTY244 SENSOR INFORMATION Z-AXIS: EOT-QTY (2 MAX)244	
(SEE T-SLOT SENSOR KIT SHEET NUMBER CONFIGURATION)	FOR PART X CABLE TRACK (45mm MIN BEND RADIUS)
X	AXIS
	MPG-084-XXX-
APPROVED:	
DATE:	
PO:REFERENCE#:	MAC THIS DRAW ANY RE
	THIS DRAW ANY RE MANUFAG RELEASE OI CONSTIT CONTAINE



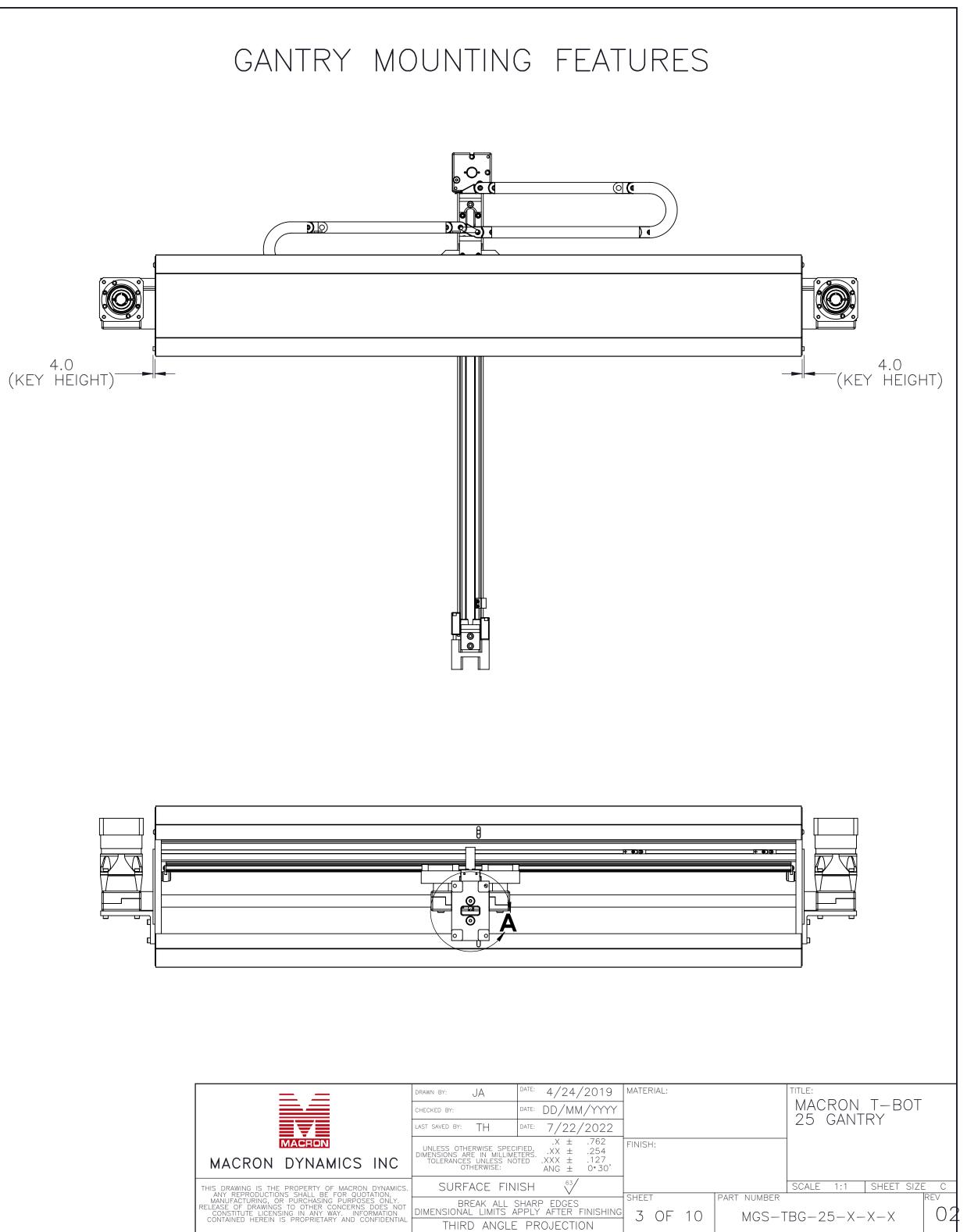


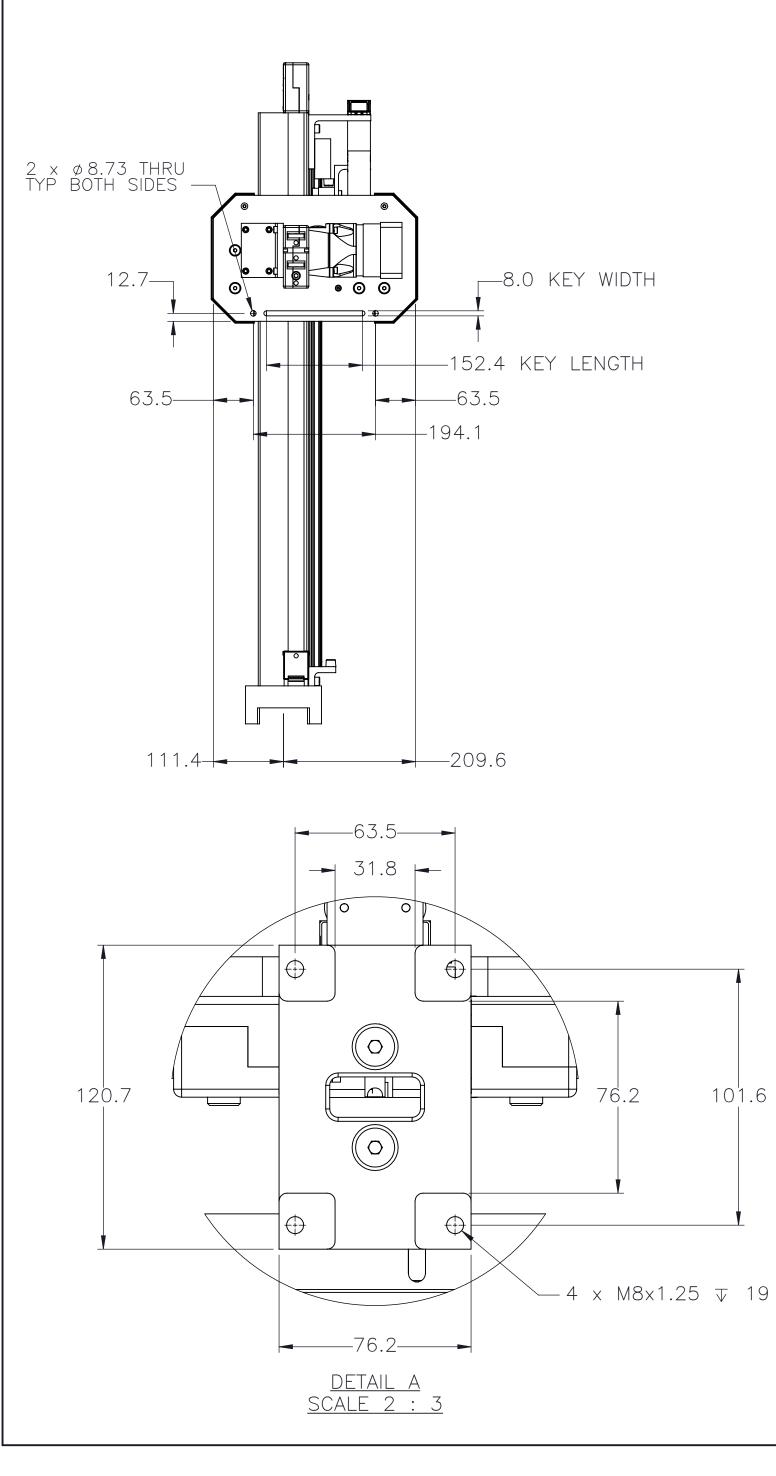


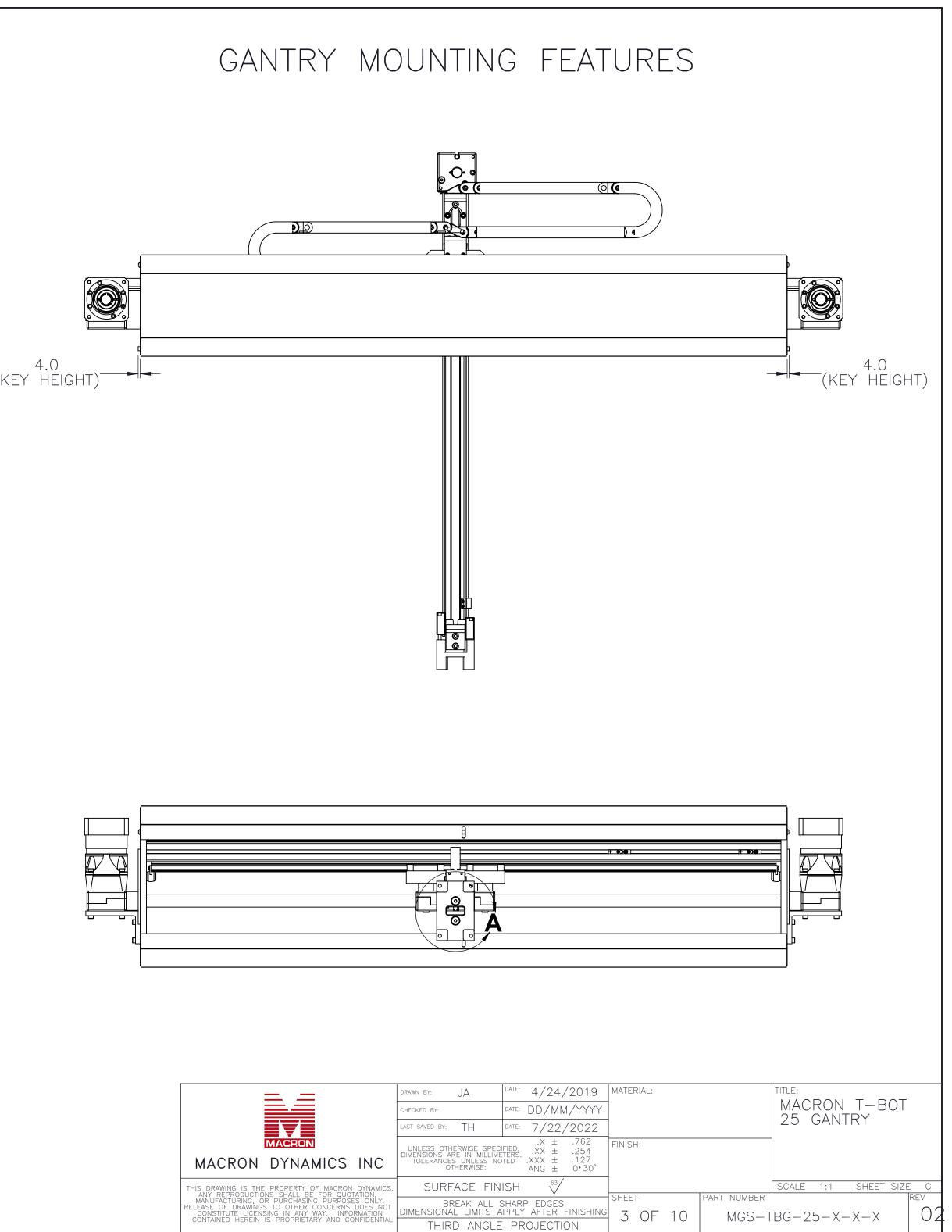
2 OF 10

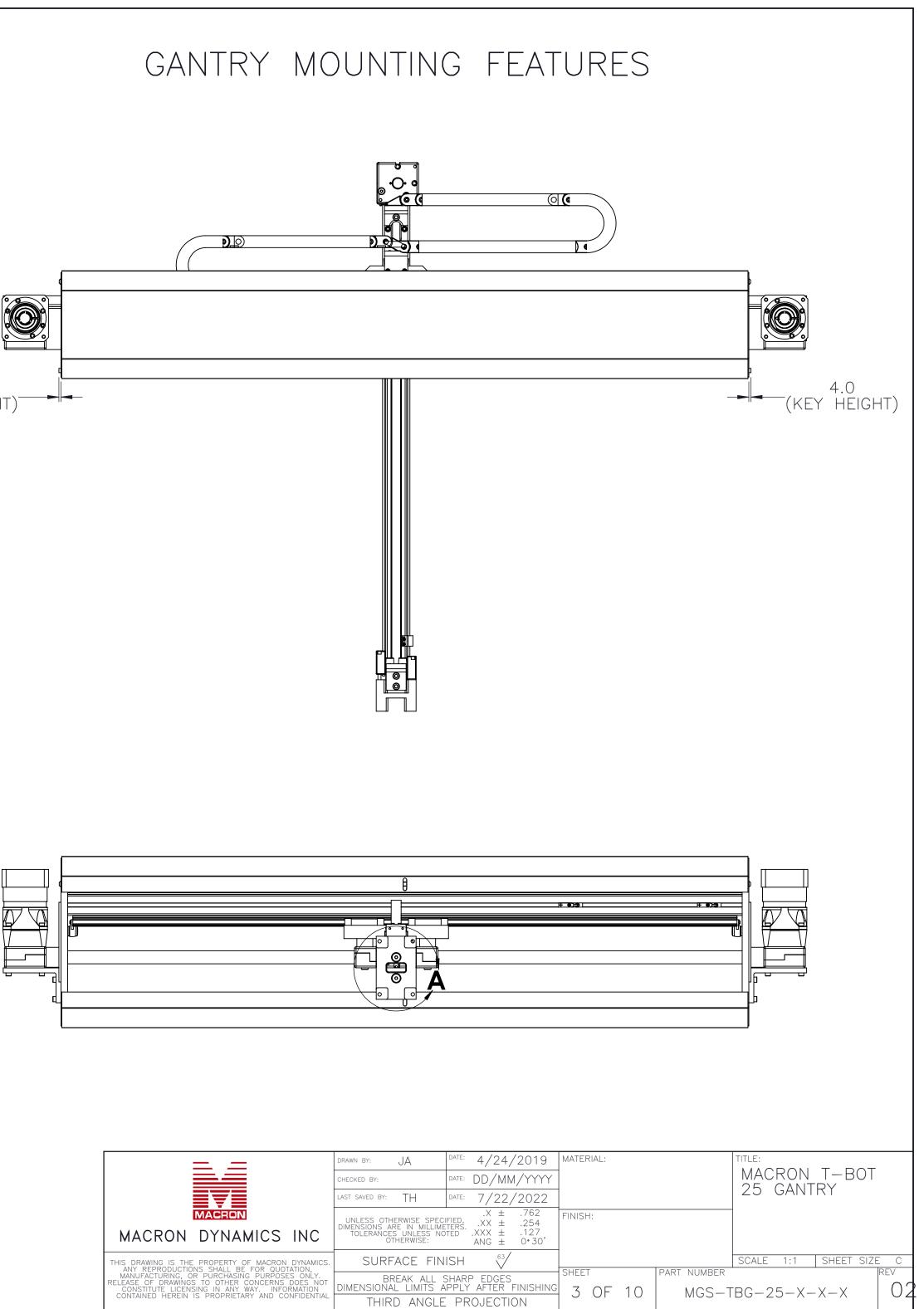
THIS DRAWING IS THE PROPERTY OF MACRON DYNAMICS. ANY REPRODUCTIONS SHALL BE FOR QUOTATION, MANUFACTURING, OR PURCHASING PURPOSES ONLY. RELEASE OF DRAWINGS TO OTHER CONCERNS DOES NOT CONSTITUTE LICENSING IN ANY WAY. INFORMATION	SURFACE FINISH 63				
	BREAK ALL SHARP EDGES DIMENSIONAL LIMITS APPLY AFTER FINISHING				
CONTAINED HEREIN IS PROPRIETARY AND CONFIDENTIAL	THIRD ANGLE PROJECTION				

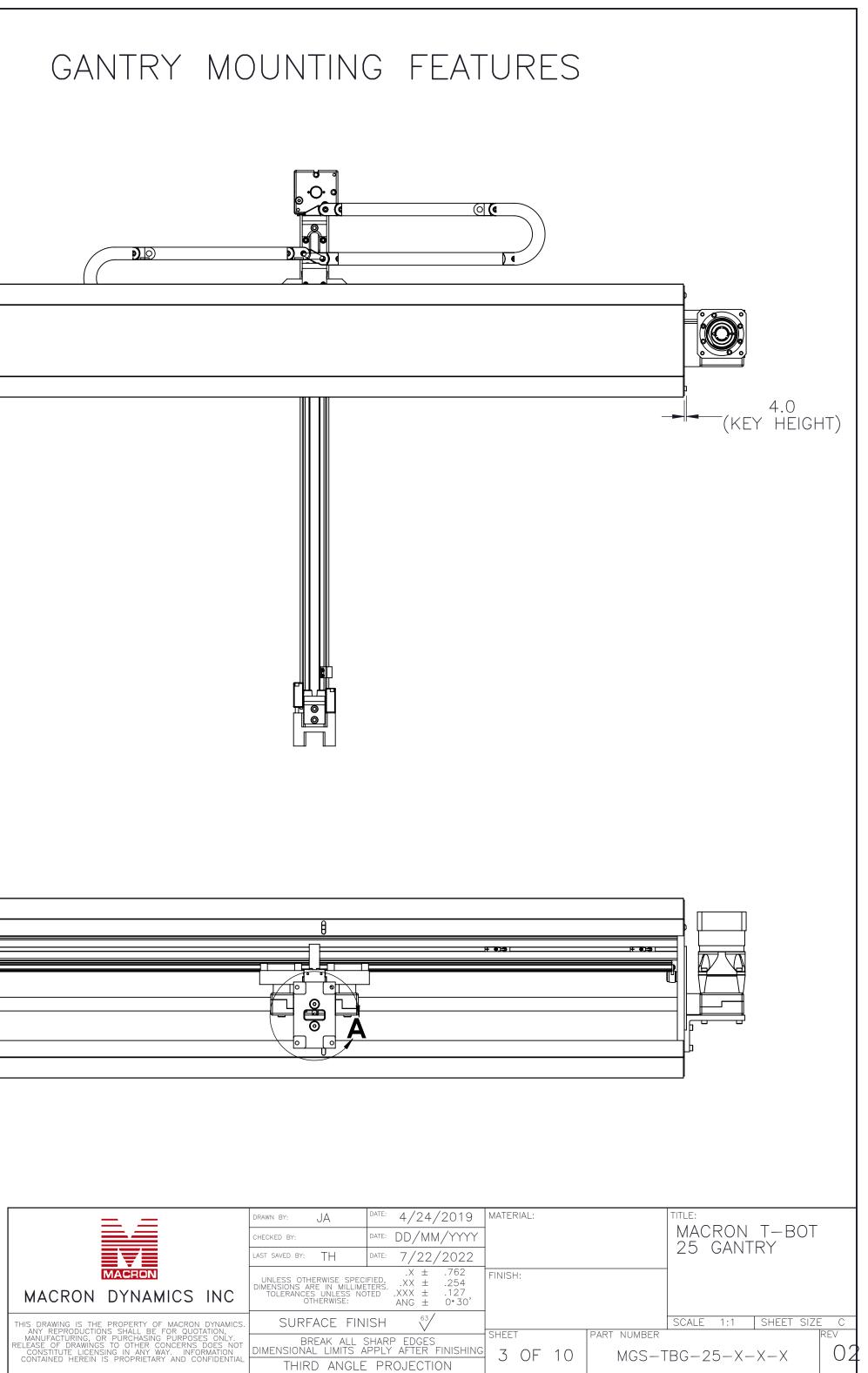
MGS-TBG-25-X-X-X









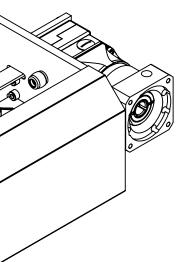


MOTOR SIZING INFORMATION

(INCREMENTAL ADDERS REFER TO MASS PER TRAVEL LENGTH)

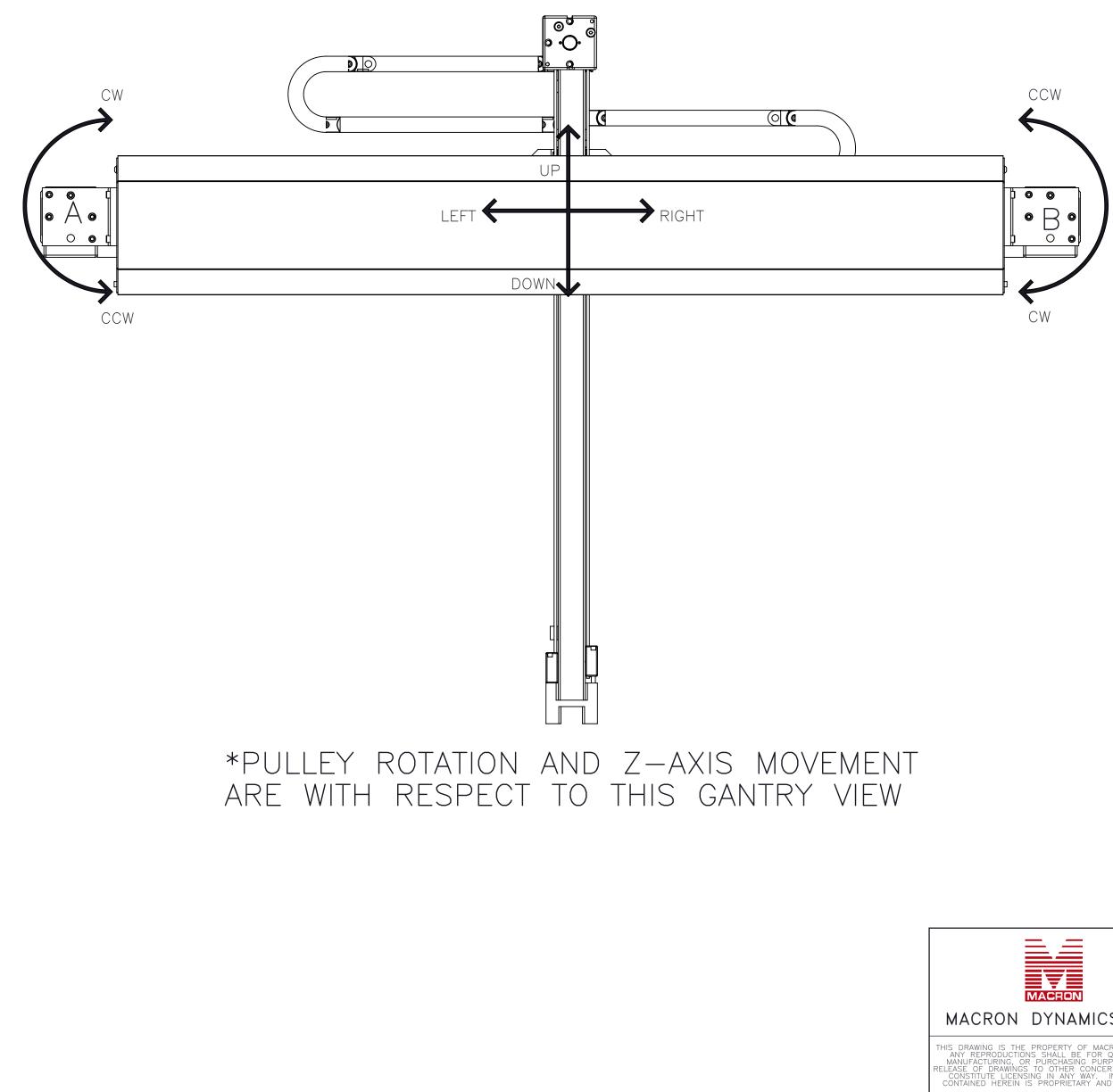
<u>BASE TRAVEL</u>	<u>_s used</u>
X - TRAVEL =	250mm
Z-TRAVEL =	250mm

	Z-AXIS-						
PROPERTY	BASE VALUE (T=250mm)						
MOVING MASS	5.897kg(+0.156kg/25mm)						
SYSTEM MASS	11.928kg(+0.156kg/25mm)						
BELT MASS OF Z-AXIS	0.155kg(+0.006kg/25mm)						
PULLEY PITCH Ø	47.75mm (1.88")						
PULLEY WIDTH	28.9mm (1.14")		-				
PULLEY MATERIAL	STEEL						
TRAVEL PER REV	150mm						
		X-TRAV	VEL =	mm			
		Y-TRA	/EL =	mm		MPG-064	1.0kg
					GEARBOX MASS (ADD TO SYSTEM MASSES)	MPG-084	2.3kg
	X-AXIS-	NUIL: A Clistom	ALL SUPPLIED MA IFR COMPONENTS	ASSES DO NOT INCLUDE 5 (MOTORS, CABLES, ETC)	TO SYSTEM MASSES)	MRG-064	3.0kg
	BASE VALUE $(T=250mm)$					MRG-084	5.6kg
*MOVING MASS BELT MASS OF X-AXIS	0.237kg(+0.013kg/25mm) 0.184kg(+0.006kg/25mm)	TOTAL BELT MASS	(X TR	AVEL x .00024) + (Z TRAVE	E x .00024) +	221 = kg	
PULLEY PITCH Ø	47.75 (1.88")	TOTAL				00.70	
PULLEY WIDTH	28.9mm (1.14")	SYSTEM MASS	(X	RAVEL x .0228) + (Z TRAVEL	_ x .0059) +	26./2 = kg	
PULLEY MATERIAL	STEEL			DRAWN BY: JA DATE: 4/24/2019 MATE	ERIAL:		DOT
TRAVEL PER REV	150mm			CHECKED BY: DATE: DD/MM/YYYY		MACRON T- 25 GANTRY	, And a second
*Z AXIS SYSTEM MASS NEEL	DS TO BE ADDED TO THIS	MACRON	MACEON DYNAMICS INC	LAST SAVED BY: TH DATE: 7/22/2022 UNLESS OTHERWISE SPECIFIED, X ± .762 DIMENSIONS ARE IN MILLIMETERS. XX ± .254 TOLERANCES UNLESS NOTED .XXX ± .127 OTHERWISE: ANG ± 0°30'	SH:		
		THIS DRAWING IS TH ANY REPRODUCTI MANUFACTURING	HE PROPERTY OF MACRON DYNAMICS. IONS SHALL BE FOR QUOTATION, OR PURCHASING PURPOSES ONLY.	SURFACE FINISH	et Part num	SCALE 1:1 SHI BER	EET SIZE C REV
		RELEASE OF DRAWIN CONSTITUTE LICEI CONTAINED HEREIN	HE PROPERTY OF MACRON DYNAMICS. IONS SHALL BE FOR QUOTATION, OR PURCHASING PURPOSES ONLY. GS TO OTHER CONCERNS DOES NOT NSING IN ANY WAY. INFORMATION N IS PROPRIETARY AND CONFIDENTIAL	BREAK ALL SHARP EDGES DIMENSIONAL LIMITS APPLY AFTER FINISHING THIRD ANGLE PROJECTION	OF 10 MGS	S-TBG-25-X-X-	-x 02



TOR DYNAMICS

(ASSUMES MOTORS ARE ROTATING AT SAME ANGULAR VELOCITY)





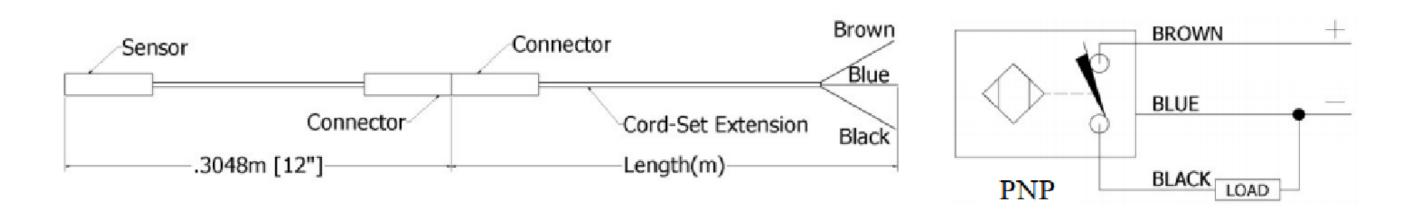
ROTATIONAL	Z-AXIS MOVEMENT	
PULLEY A	PULLEY B	
CW	CW	LEFT
CW	CCW	UP
CCW	CW	DOWN
CCW	CCW	RIGHT

	drawn by: JA	DATE:	4/24/2	019	MATERIAL:			TITLE:			
	CHECKED BY:	DATE:	DD/MM/	YYYY							
	last saved by: TH	DATE:	7/22/2	022							
MACRON	UNLESS OTHERWISE SPEC DIMENSIONS ARE IN MILLIME	IFIED,		762 254	FINISH:						
DYNAMICS INC	TOLERANCES UNLESS NO OTHERWISE:)TED		127)• 30'							
HE PROPERTY OF MACRON DYNAMICS. IONS SHALL BE FOR QUOTATION,	SURFACE FIN	ISH	63				·	SCALE	1:1	SHEET S	
OR PURCHASING PURPOSES ONLY. IGS TO OTHER CONCERNS DOES NOT INSING IN ANY WAY. INFORMATION	BREAK ALL S DIMENSIONAL LIMITS A			IISHING	SHEET	10	part number MGS—T	BC = 2	5_X_	X_X	REV
N IS PROPRIETARY AND CONFIDENTIAL	THIRD ANGLE	PR	OJECTION	1		10				~ ~ ~	

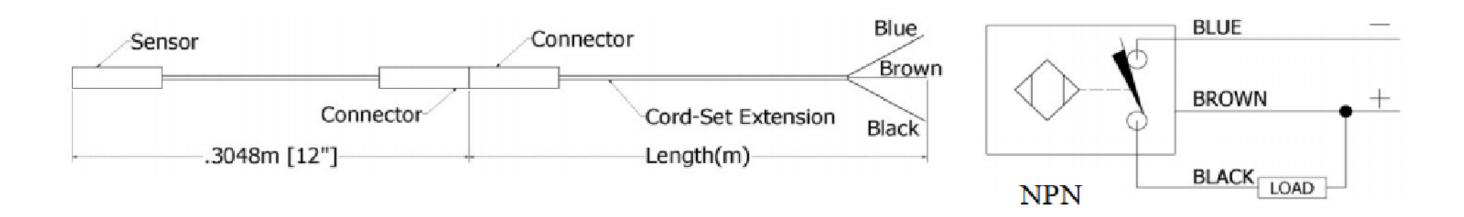
SPECIFICATIONS

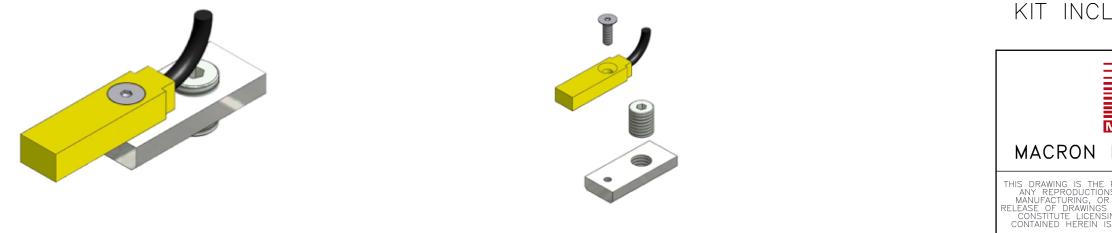
Sensor Type	Inductive
Sensor Size	Fits all 8mm
	wide T-Slots
Operating Voltage	10-30 VDC
Voltage Drop Across Conducting Sensor	≤1.8 V at 100 mA
Number of Conductors (AWG)	3x26 AWG
Temperature Range	-40°C to 105°C

PNP Diagrams



NPN Diagrams





Part Number Configuration 244-__-

PNP or NPN	NC or NO	02	Meters
PNP or NPN	NC or NO	06	Meters
PNP or NPN	NC or NO	12	Meters

Example: PNP, normally closed, cord-set extension length 6 meters = 244-PNP-NC-06

KIT INCLUDES - SENSOR, CORDSET EXTENSION, AND MOUNTING HARDWARE

	drawn by: PHW	DATE: 11/26/2017	MATERIAL:		TITLE:	
	CHECKED BY:	DATE: DD/MM/YYYY			T-SLOT	SENSOR
	last saved by: Paul	DATE: 7/22/2022			KIT	
MACRON	UNLESS OTHERWISE SPEC	JIFIED, VV I OFA	FINISH:			
N DYNAMICS INC	DIMENSIONS ARE IN MILLIME TOLERANCES UNLESS NO OTHERWISE:	EIERS.				
S THE PROPERTY OF MACRON DYNAMICS. UCTIONS SHALL BE FOR QUOTATION, IG, OR PURCHASING PURPOSES ONLY.	SURFACE FIN		0.1.557		SCALE 1:1	SHEET SIZE C
LICENSING IN ANY WAY. INFORMATION		SHARP EDGES APPLY AFTER FINISHING	SHEET 6 OF 10	PART NUMBER		REV
REIN IS PROPRIETARY AND CONFIDENTIAL	THIRD ANGLE	E PROJECTION				