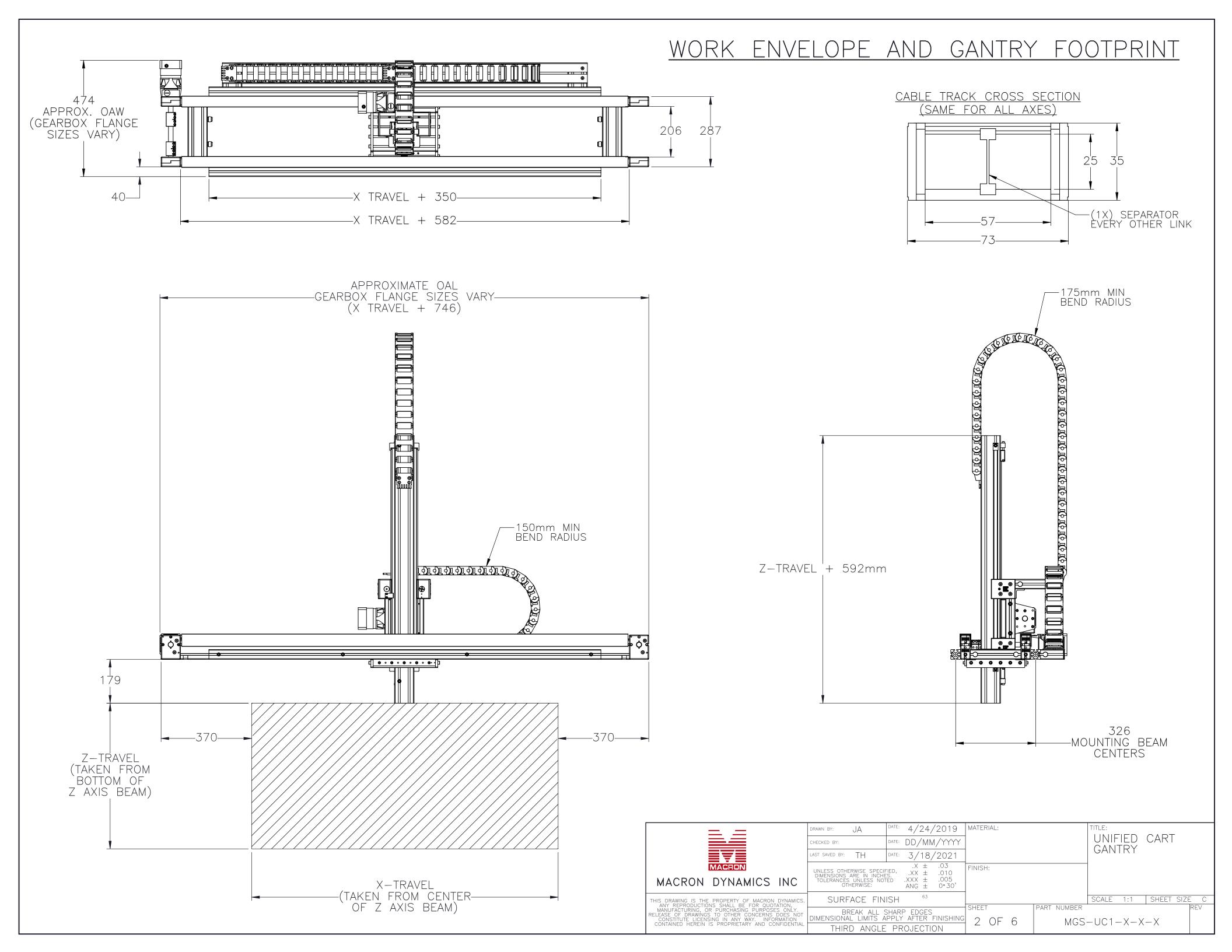
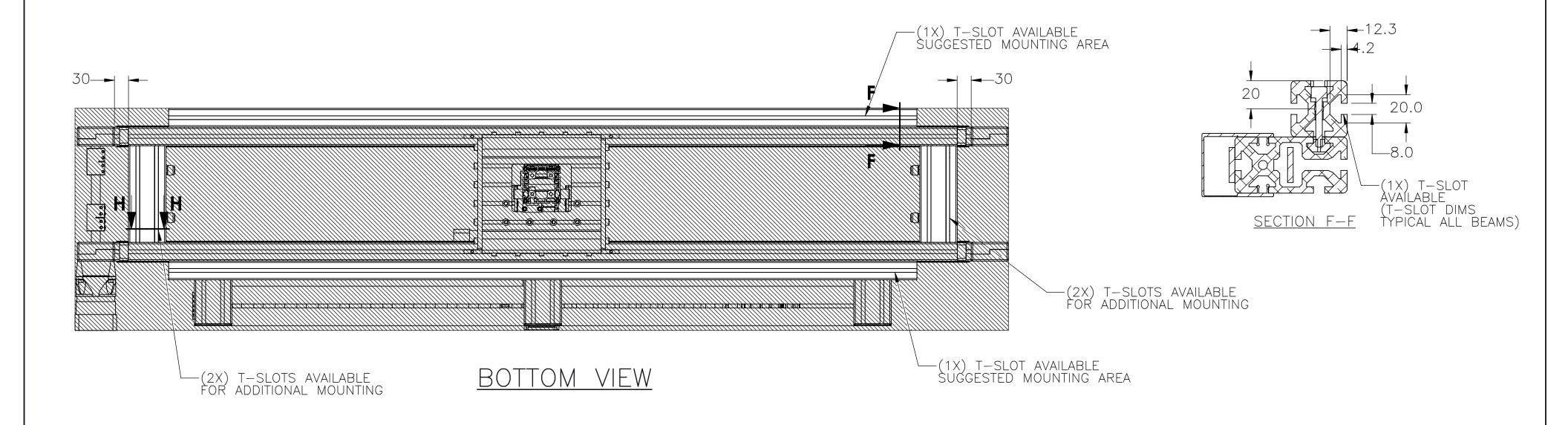
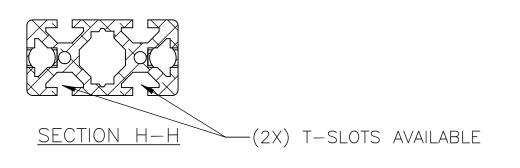
GEARBOX MODEL (X AXIS) MGS MPG-084 MRG-084 RATIO: GEARBOX MODEL (Z AXIS) MPG-084 MRG-084 MRG-084 FOR DIRECT DRIVE OPTION WITH MMK (NO GEARBOX) CHECK HERE:	S-UC1-		ENTER Z-AXIS TRAVEL TRAVEL IN INCREMENTS OF 250mm TRAVEL LIMITS: 150mm-1000mm ENTER X-AXIS TRAVEL TRAVEL IN INCREMENTS OF 500mm TRAVEL LIMITS: 150mm-5250mm	*IF TRAVEL IS OUTSIDE LIMITS LISTED, CONTAC MACRON*
MOTOR INFORMATION (X AXIS) MANUFACTURER: MOTOR INFORMATION (Z AXIS) MANUFACTURER: MODEL: SENSOR INFORMATION X-AXIS: HOME-QTY 244 EOT-QTY 244 SENSOR INFORMATION Z-AXIS: HOME-QTY 244 (SEE T-SLOT SENSOR KIT SHEET FOR PART NUMBER CONFIGURATION)	Z-	AXIS AXIS	X-AXIS WPG-084-XXX	PG-084-XXX
APPROVED: SIGN & PRINT DATE: PO:REFERENCE#:		MACRON DYNAMICS INC THIS DRAWING IS THE PROPERTY OF MACRON DYNAMICS. ANY REPRODUCTIONS SHALL BE FOR QUOTATION.	WN BY: JA DATE: 4/24/2019 MATERIAL: DATE: DD/MM/YYYY I SAVED BY: TH DATE: 3/18/2021 ILLESS OTHERWISE SPECIFIED, INCLUDENT IN INSTRUMENT IN INTERPRETATION INTERPRETATION IN INTERPRETATION INTERPRETA	TITLE: UNIFIED CART GANTRY SCALE 1:1 SHEET SIZE -UC1-X-X-X

SCALE 1:1 SHEET SIZE C

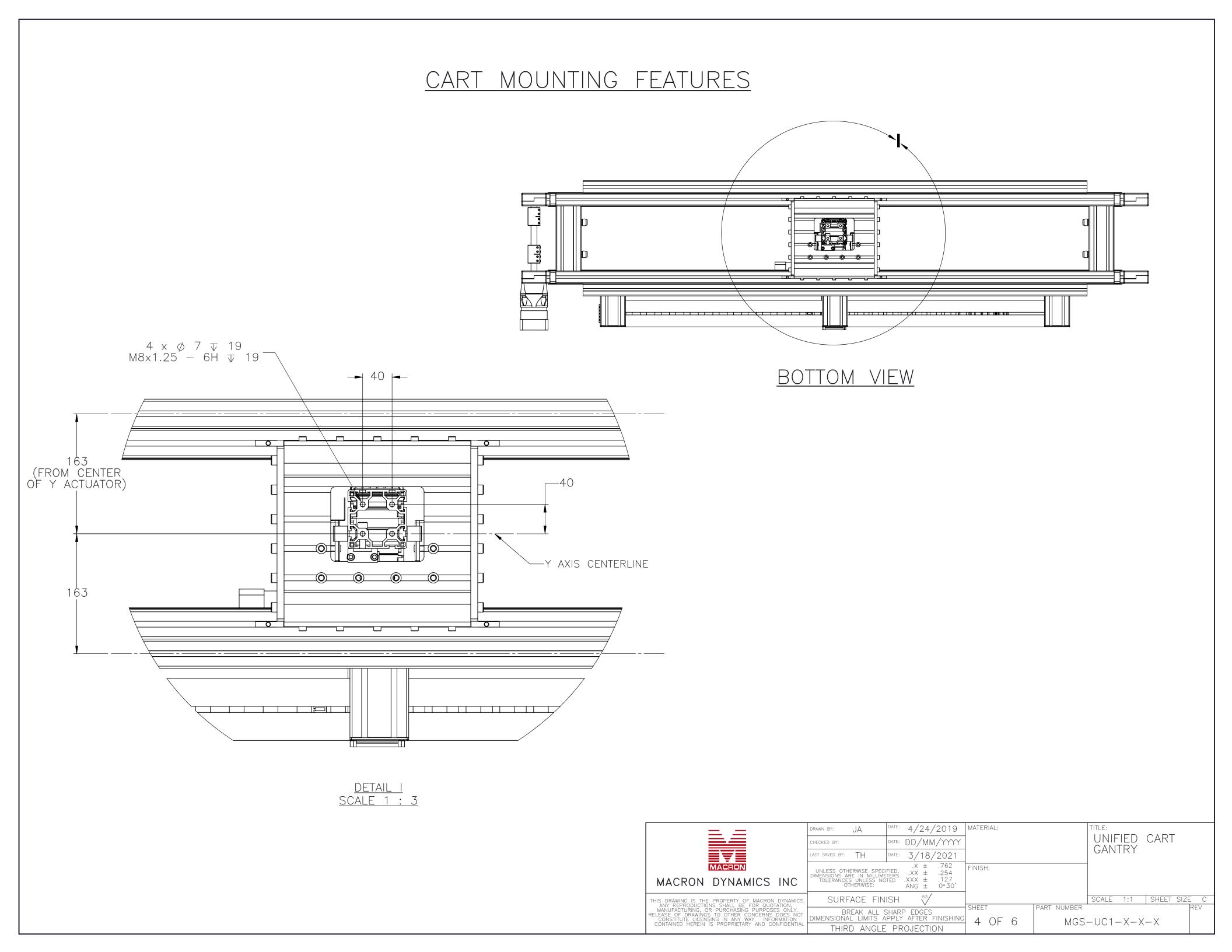


GANTRY MOUNTING FEATURES





MACRON DYNAMICS INC UNLESS OTHERWISE SPECIFIED, .XX ± .254 DIMENSIONS ARE IN MILLIMETERSXXX ± .127 OTHERWISE: ANG ± 0·30' THIS DRAWING IS THE PROPERTY OF MACRON DYNAMICS. ANY REPRODUCTIONS SHALL BE FOR PROPERTY ON A SHALL BE FOR PRO				DRAWN BY: JA CHECKED BY: LAST SAVED BY: TH	DATE: 4/24/2 DATE: DD/MM/ DATE: 3/18/2	YYYY 2021	MATERIAL:		UNIFIED GANTRY	CART	
THIS DRAWING IS THE PROPERTY OF MACRON DYNAMICS. ANY REPRODUCTIONS SHALL BE FOR QUOTATION, ANY REPRODUCTION BY PURPLE FOR QUOTATION, SHEET PART NUMBER	MACRO	MACHON On Dynamics	SINC	UNLESS OTHERWISE SPEC DIMENSIONS ARE IN MILLIM TOLERANCES UNLESS N OTHERWISE:	CIFIED, .XX ± . ETERSXXX ± .	.127	FINISH:				
				SURFACE FIN	IJSH ⁶³ ∕		CUEET		SCALE 1:1	SHEET SIZ	
RELEASE OF DRAWINGS TO OTHER CONCERNS DOES NOT CONSTITUTE LICENSING IN ANY WAY. INFORMATION CONTAINED HEREIN IS PROPRIETARY AND CONFIDENTIAL THIRD ANGLE PROJECTION BREAK ALL SHARP EDGES DIMENSIONAL LIMITS APPLY AFTER FINISHING THIRD ANGLE PROJECTION OF 6	MANUFACTURIN RELEASE OF DRAV CONSTITUTE LI	RING, OR PURCHASING PURPO RAWINGS TO OTHER CONCERN LICENSING IN ANY WAY. INF	DSES ONLY. NS DOES NOT IFORMATION	DIMENSIONAL LIMITS	APPLY AFTER FII				-UC1-X-X	$\langle - \times \rangle$	REV



MOTOR SIZING WORKSHEET

(INCREMENTAL ADDERS REFER TO MASS PER TRAVEL LENGTH)

BASE TRAVELS USED: X TRAVEL = 150mm Z TRAVEL = 150mm

	'Z' AXIS-
PROPERTY	BASE VALUE (T=150mm)
MOVING MASS	6.317(+0.238kg/25mm)
BELT MASS	0.095(+0.003kg/25mm)
SYSTEM MASS	15.009(+0.235kg/25mm)
PULLEY PITCH Ø	47.75mm (1.88")
PULLEY WIDTH	28.9mm (1.14")
PULLEY MATERIAL	STEEL
TRAVEL PER REV	150mm

PROPERTY	BASE VALUE (T=150mm)
*MOVING MASS	5.186(+0.035kg/25mm)
BELT MASS	0.266(+0.012kg/25mm)
PULLEY PITCH Ø	47.75mm (1.88")
PULLEY WIDTH	28.9mm (1.14")
PULLEY MATERIAL	STEEL
CONN SHAFT LENGTH	118.18mm (4.65")
CONN SHAFT Ø	19.05mm (.75")
CONN SHAFT MATERIAL	STEEL
TRAVEL PER REV	150mm

*SYSTEM MASS OF Z AXIS NEEDS TO BE ADDED TO THIS

X-TRAVEL	_ =	mm		
Z-TRAVEL	_ =	mm		
	SUPPLIED N COMPONEN		– – –	

GEARBOX MASS (ADD TO	MPG-084	2.3kg
SYSTEM MASSES)	MRG-084	5.6kg

TOTAL
SYSTEM
MASS

(X

MACRON

MACRON

DYNAMICS INC

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I	DRAWN BY: JA	DATE:	4/24/	/2019	MATERIAL:	TITLE:	0 A D.T.
	CHECKED BY:	DATE:	DD/MM	1/YYYY		UNIFIED GANTRY	CART
	LAST SAVED BY: TH	DATE:	3/18/	/2021		GANTRI	
	UNLESS OTHERWISE SPEC DIMENSIONS ARE IN MILLIME TOLERANCES UNLESS NO OTHERWISE:	TERŚ.	.X ± .XX ± .XXX ± ANG ±	.762 .254 .127 0•30'	FINISH:		
	SURFACE FIN	ISH	63/			SCALE 1:1	SHEET S

 $(X TRAVEL \times .0159) + (Z TRAVEL \times .0088) + 35.84 = kg$

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SPECIFICATIONS

Sensor Type	Inductive
Sensor Size	Fits all 8mm
Selisui Size	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

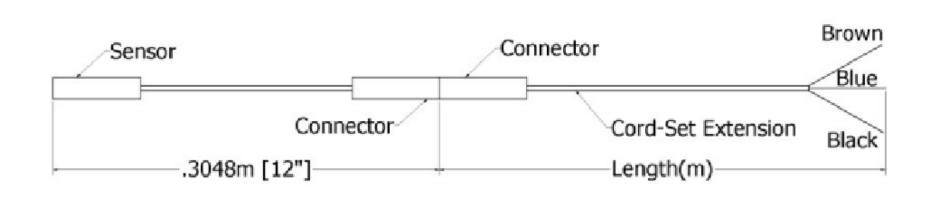
Part Number Configuration

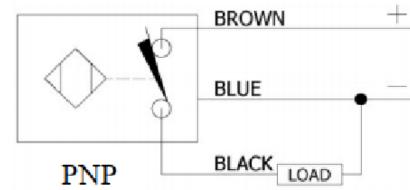
244-_ _ -_ _

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

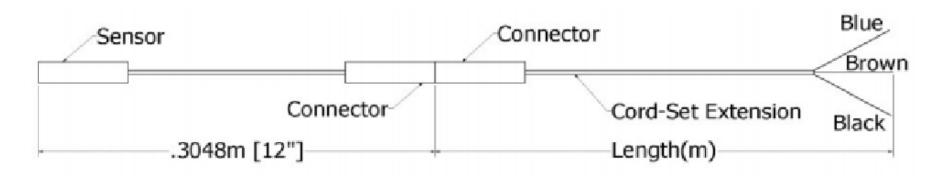
Example: PNP, normally closed, cord-set extension length 6 meters = 244-PNP-NC-06

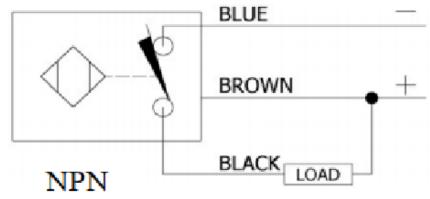
PNP Diagrams

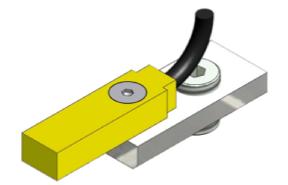


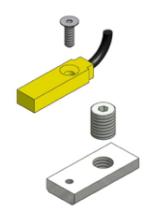


NPN Diagrams









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: 3/18/2021			KIT	
MACRON	UNLESS OTHERWISE SPECI DIMENSIONS ARE IN MILLIME	.X ± .762 IFIED, .XX ± .254	FINISH:			
MACRON DYNAMICS INC	TOLERANCES UNLESS NO OTHERWISE:	XXX ± .127 ANG ± 0.30'				
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RELEASE OF DRAWINGS TO OTHER CONCERNS DOES NOT CONSTITUTE LICENSING IN ANY WAY. INFORMATION	BREAK ALL S DIMENSIONAL LIMITS A		SHEET 6 OF 6	PART NUMBER		REV
CONTAINED HEREIN IS PROPRIETARY AND CONFIDENTIAL	THIRD ANGLE	PROJECTION				