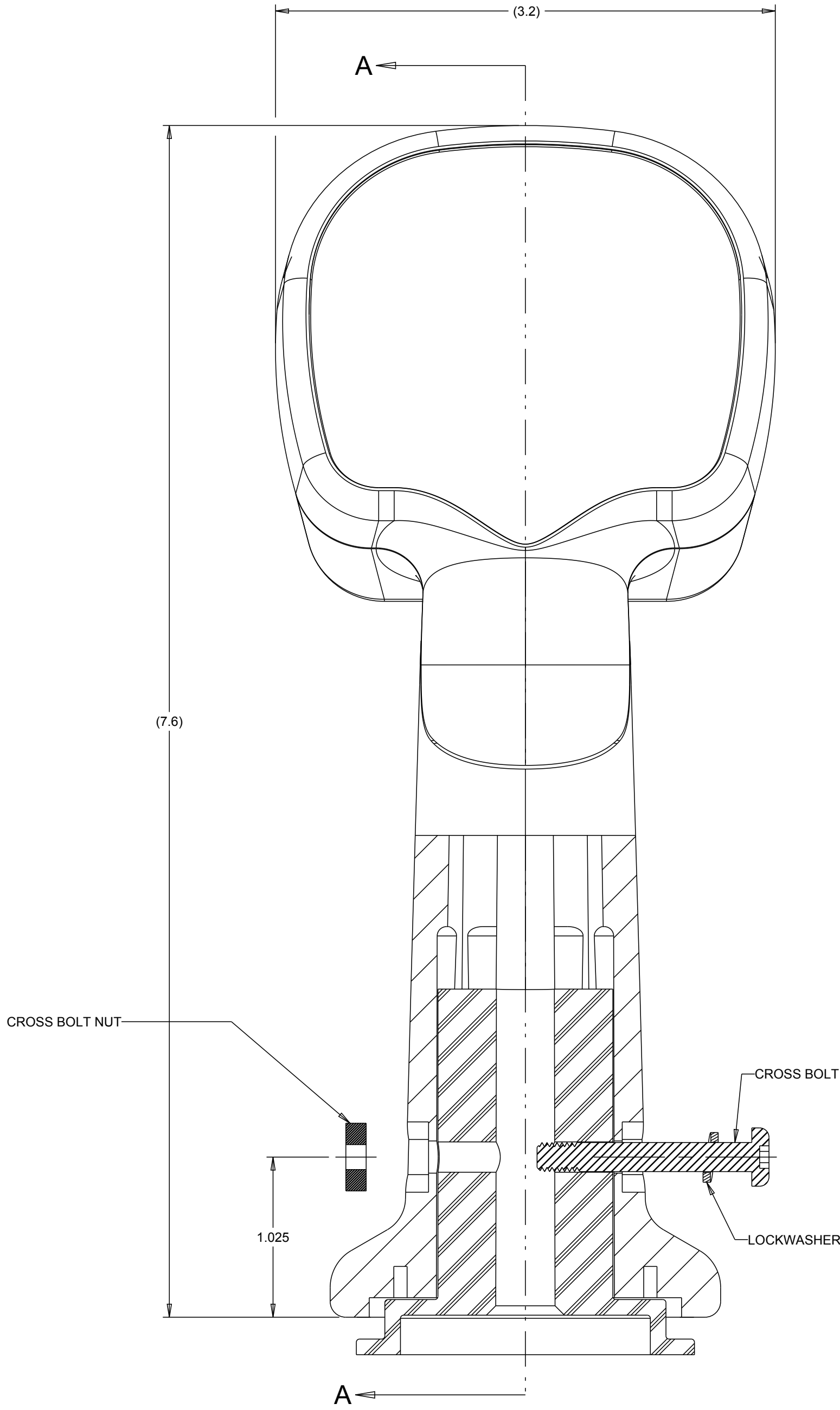
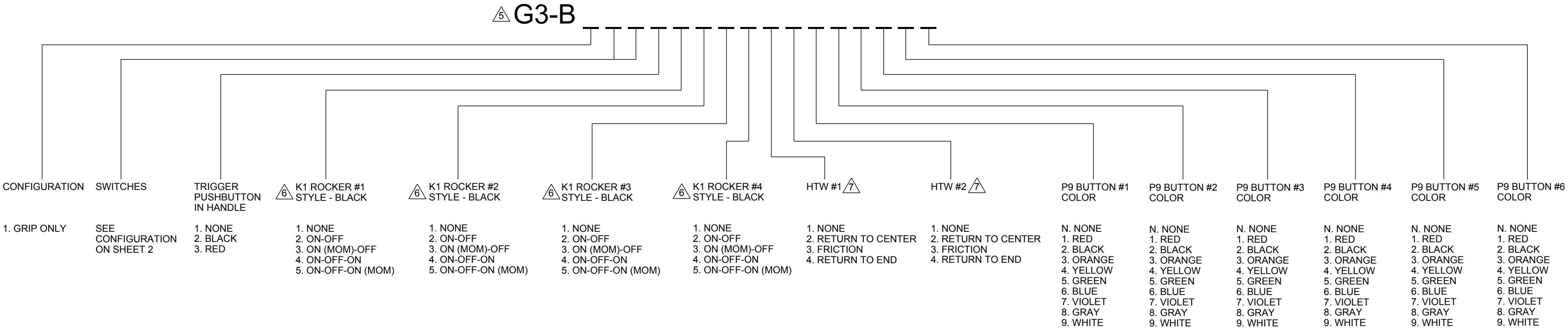
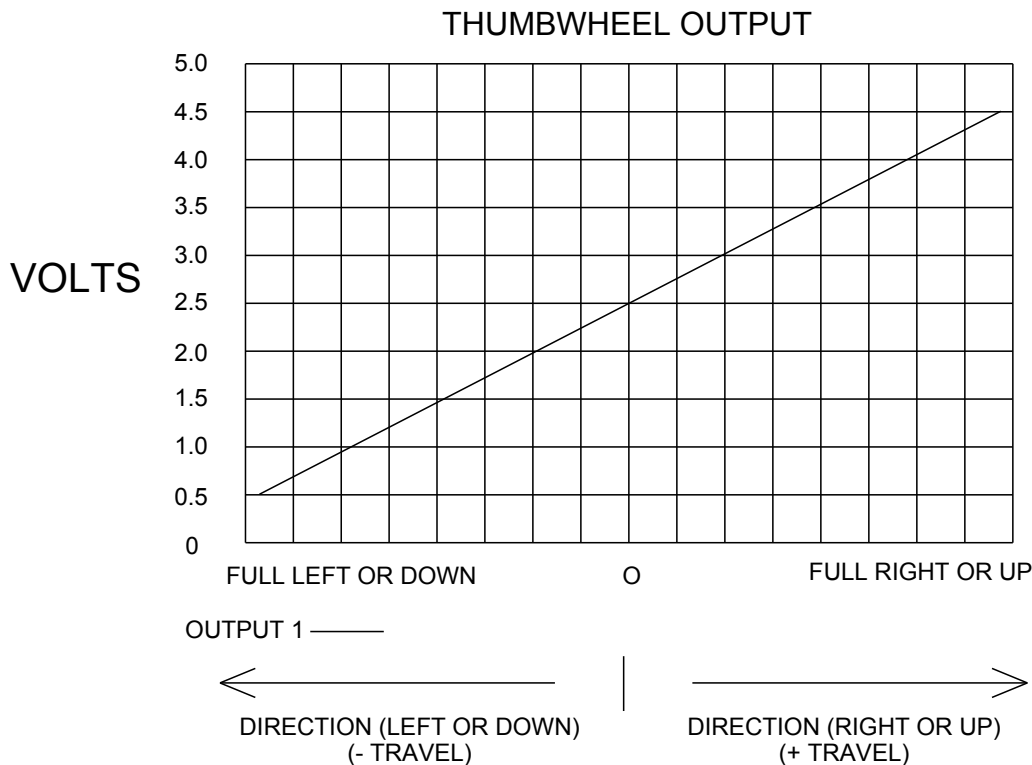
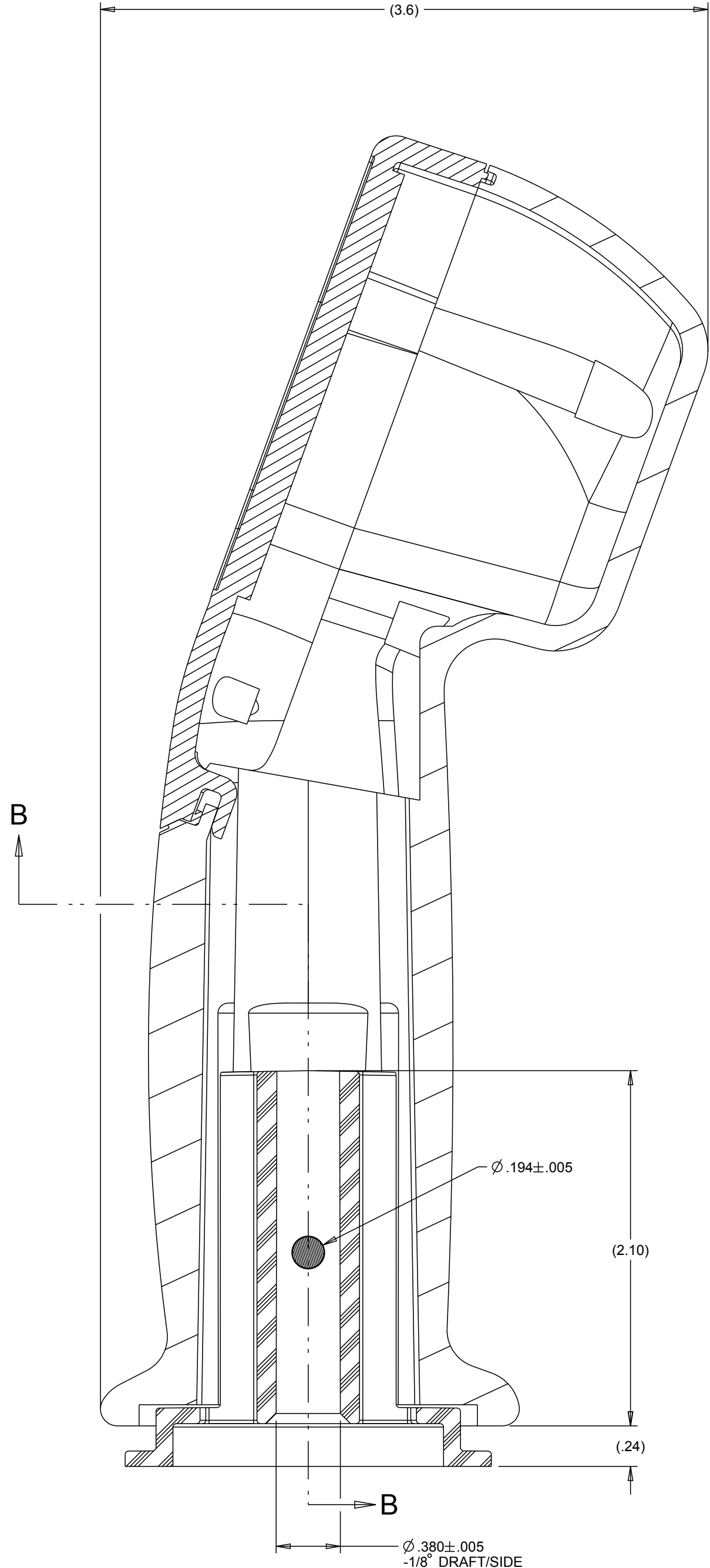


- NOTES: **B**
1. DRAWING TO BE INTERPRETED IN ACCORDANCE WITH THE CURRENT REVISION OF ASME Y14.5.
2. THIS PART/PRODUCT IS TO BE MANUFACTURED WITH THE APPLICABLE REGULATIONS OF EC DIRECTIVES FOR THE RESTRICTION OF THE USE HAZARDOUS SUBSTANCES IN ELECTRICAL AND ELECTRONIC EQUIPMENT (ROHS), WASTE ELECTRICAL AND ELECTRONIC EQUIPMENT (WEEE) AND REGISTRATION, EVALUATION, AUTHORIZATION AND RESTRICTION OF CHEMICALS (REACH).
3. PACKAGING:
PLACE GRIP ASSEMBLY INTO PLASTIC BAG,
PLACE LABEL ON BAG.
4. ID LABEL APPLIED ON INSIDE OF GRIP HEAD
MARKING ON ID LABEL TO READ:
OTTO
OTTO P/N, DATE CODE.
- 5.** NUMBER OF SWITCHES DEPENDENT ON CONFIGURATION CHOSEN.
FOR ALL SWITCHES NOT PRESENT IN THE CONFIGURATION CHOOSE NONE.
- 6.** ON POSITION OR MOMENTARY POSITION IS UP OR TO THE RIGHT. CONTACT
FACTORY FOR ROCKER LEGENDS AND ADDITIONAL COLOR OPTIONS.
- 7.** POSITIVE TRAVEL IS UP OR TO THE RIGHT. CONTACT FACTORY FOR
ADDITIONAL OPTIONS.

PRODUCT SPECIFICATIONS				
ELECTRICAL:				
	K1 SWITCHES			
ELECTRICAL RATING @ 28 VDC	16 AMP RESISTIVE LOAD, 10 AMP INDUCTIVE LOAD			
ELECTRICAL LIFE	25,000 CYCLES AT FULL LOAD			
ELECTRICAL RATING @ 28 VDC	P9 SWITCHES			
	5 AMP RESISTIVE LOAD, 3 AMP INDUCTIVE LOAD			
ELECTRICAL LIFE	25,000 CYCLES AT FULL LOAD			
	THUMBWHEEL			
RATED AT Vcc = 5V @ 20° C LOAD = 1ma (4-7K) SUPPLY VOLTAGE	UNITS	MIN	TYP	MAX
	VDC	4.50	5.00	5.50
OUTPUT AT CENTER	VDC @ 5V Vcc	2.35	2.50	2.65
OUTPUT 1 AT FULL TRAVEL DIRECTION RIGHT OR UP (+ TRAVEL)	VDC @ 5V Vcc	0.45	0.50	0.75
OUTPUT 1 AT FULL TRAVEL DIRECTION LEFT OR DOWN (- TRAVEL)	VDC @ 5V Vcc	4.25	4.50	4.55
SUPPLY CURRENT B=0, Vcc=5V, Iq=0	mA	NA	NA	10
MECHANICAL:				
	K1 SWITCHES			
MECHANICAL LIFE	100,000 CYCLES			
	P9 SWITCHES			
MECHANICAL LIFE	1,000,000 CYCLES			
	THUMBWHEELS			
MECHANICAL LIFE FULL FORWARD TO FULL BACK	3,000,000 CYCLES			
	UNITS	MIN	TYP	MAX
OPERATING FORCE 25° C AT THE TOP OF ROLLER	OZ	8	12	16
MAX. ALLOWABLE RADIAL LOAD	LBS	NA	NA	30
ENVIRONMENTAL:				
	UNITS	MIN	TYP	MAX
OPERATING TEMPERATURE	° C	-30	20	85
	K1 SWITCHES			
SWITCH SEAL INTEGRITY	WATERTIGHT PER IP68S, 1 METER			
	P9 SWITCHES			
SWITCH SEAL INTEGRITY	DUST TIGHT / PROTECTED AGAINST SPLASHING WATER PER IP64			
	THUMBWHEELS			
ELECTRONICS SEAL INTEGRITY	WATERTIGHT PER 1P68S, 1 METER			
MECHANICAL SEAL INTEGRITY	UNSEALED			
	GRIP			
SEAL INTEGRITY	UNSEALED			
MATERIAL:				
HANDLE	THERMOPLASTIC, GLASS REINFORCED, BLACK			
FACEPLATE	THERMOPLASTIC, GLASS REINFORCED, BLACK			
MOUNTING HARDARE	#10 CROSSBOLT WITH NUT AND LOCKWASHER			
WIRES	22 AWG, UL STYLE 1569, 20" LONG			



SECTION B-B



SECTION A-A

- KEY CHARACTERISTICS
- SPECIAL REQUIREMENT

UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES.

TOLERANCES:

XX ±.03

XXX ±.010

ANGLES ±2°

DO NOT SCALE

OTTO

CARPENTERSVILLE, ILLINOIS USA

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DESCRIPTION				
G3, UNIVERSAL GRIP, MEDIUM				
DRWN. J.L.W.	SIZE	FSCM NO	DRAWING NO.	REV.
CHKD. KI	D	21649	G3-B	C
APPD. AH				
THIRD ANGLE PROJECTION		Scale 2:1		Sheet 1 OF 2

© SWITCH CONFIGURATIONS

