

SOLUTION EXPERIENCE, BOTTOM READ

POWERED BY DATAMAN 380 READERS

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SYSTEM SPECIFICATIONS

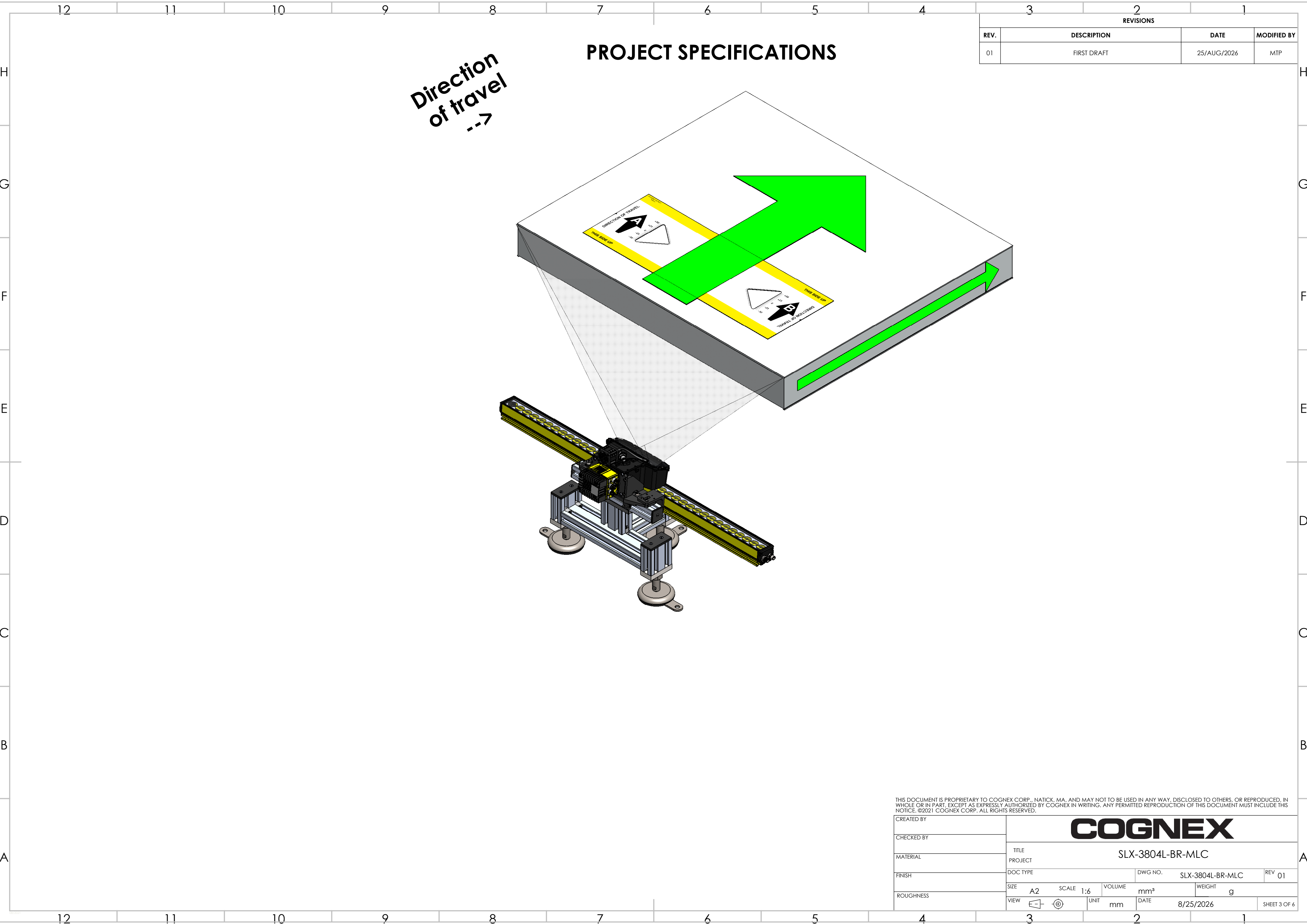
THE SYSTEM OPERATES IN THE FOLLOWING SPECIFICATION RANGE

	MINIMUM	MAXIMUM
CONVEYOR HEIGHT, SLX-BR	598 mm (23.5 in)	-
CONVEYOR HEIGHT, STANDARD FRAME	783 mm (30.8 in)	1400 mm (55.1 in)
CONVEYOR WIDTH		1000 mm (39.4 in)
CONVEYOR SPEED	0.02 m/s (4 fpm)	3.3 m/s (650 fpm)
CONVEYOR GAP	*CALCULATED*	-
BARCODE MODULE SIZE	0.33 mm (13 mil)	-
UNDER FOIL	NO	
SIDES SCANNED	BOTTOM	
BOX WIDTH	-	1000 mm (39.4 in)
MAXIMUM OBJECT ROTATION	OMNI	

CONVEYOR THICKNESS	MINIMUM CONVEYOR GAP
75mm (3 in)	12mm (0.5 in)
100mm (3.9 in)	14mm (0.5 in)
125mm (4.9 in)	16mm (0.6 in)
150mm (5.9 in)	18mm (0.7 in)
175mm (6.9 in)	20mm (0.8 in)
200mm (7.9 in)	23mm (0.9 in)
225mm (8.9 in)	25mm (1 in)
250mm (9.8 in)	27mm (1.1 in)
275mm (10.8 in)	29mm (1.1 in)
300mm (11.8 in)	31mm (1.2 in)
325mm (12.8 in)	33mm (1.3 in)
350mm (13.8 in)	36mm (1.4 in)

FOR 0 DEGREE SOLUTION, REMOVE ANGLE WEDGE.
THE CONVEYOR GAP REQUIREMENT MAY BE DECREASED TO 5mm (0.2 in)
NOTE! THIS INCREASES RISK OF GLARE

PLEASE CHECK THIS DESIGN CAREFULLY AGAINST YOUR CURRENT SYSTEM PARAMETERS.
WARNING: Any application outside of this range will impact read rates and might require a redesign .



PROJECT SPECIFICATIONS

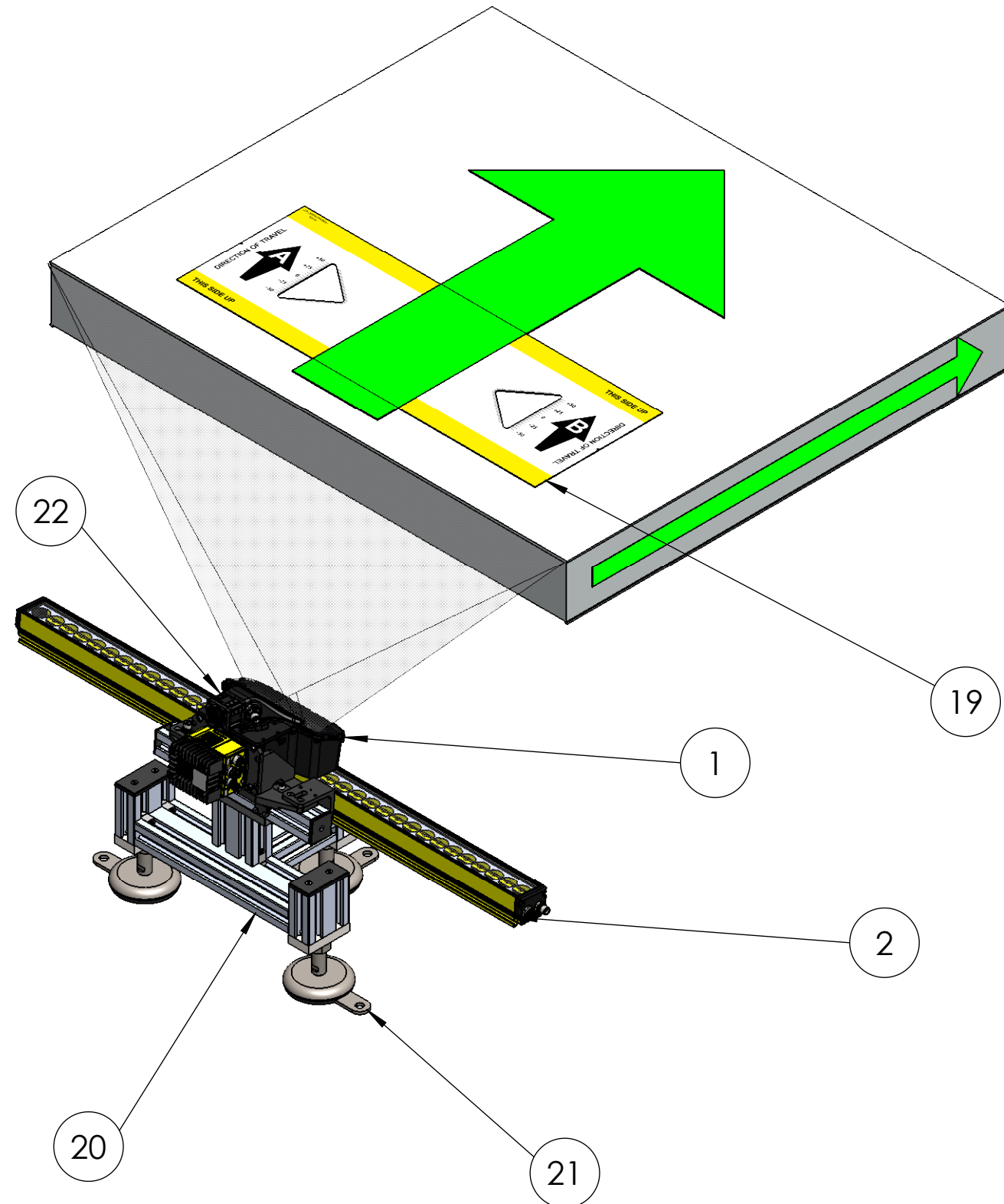
Direction
of travel
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3		2	1
REVISIONS			
REV.	DESCRIPTION	DATE	MODIFIED BY
01	FIRST DRAFT	25/AUG/2026	MTP

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CREATED BY	COGNEX				
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MATERIAL	TITLE PROJECT SLX-3804L-BR-MLC				
FINISH	DOC TYPE		DWG NO.	SLX-3804L-BR-MLC	REV 01
ROUGHNESS	SIZE A2	SCALE 1:6	VOLUME mm³	WEIGHT g	
	VIEW ⊟ ⊕	UNIT mm	DATE 8/25/2026	SHEET 3 OF 6	

**Direction
of travel
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POS	7 ZPID	6 QTY, STANDALONE	5 QTY, MVT INTEGRATED	4 QTY, MVT + Mettler	3 DESCRIPTION	2	1
1	SLX-3804L-BR-MLC	1	1	1	CFKIT, SLX-3804L-BR L, 1000mm, 13 mil		
2	IVLS-BR1000-WHI-P	1	1	1	SVL SLX-BR L Light, 1000mm, W, Pol, LS		
3	LST-PHOTOEYE-PB	1	0	0	ASSY, STD PHOTOEYE & REFLECTOR KIT		
4	LST-ENCODER-000	1	0	0	ENCODER, RH-P240AJ		
5	CPS-8A-78-L	1	0	1	Emparro Power Supply 8A 7/8" - L		
6	CCB-CPS-A3E11-100	1	0	0	EMPARRO INPUT 7/8" TO C14 1m		
7	CCB-CPS-P4541-050	1	0	1	Emparro output 7/8 to L coded		
8	CCB-CIO-P4141-300	1	0	0	Power chain L-coded 3m		
9	CKR-200-CBL-EXT	1	0	0	CABLE,5M12PINM12MALETOM12FEMALE		
10	CCB-84901-2001-05	1	0	0	CABLE5MM12-8MALEJ458CONMALETEAL/BLKO		
11	CIO-MB-PNP-L	1	0	0	L-Coded Master Breakout PNP		
12	CCB-CIO-40507-500	0	1	1	Shielded Secondary Cable 4pin 5m		
13	CCB-CIO-P4141-500	0	1	0	Power chain L-coded 5m		
14	CCB-CIO-51001-500	0	1	1	Ethernet chain X-coded 5m		
15	CCB-CPS-A3E11-200	0	0	1	Emparro Input 7/8" to C14 2m		
16	CCB-PWR-C13-C14-Y	0	0	1	Y-cable, C14 to Dual C13, 15A		
17	LGM-IEC-C13-SLEEVE	0	0	2	C13 Secure Sleeve with Tab - Black		
18	LGM-CBL-IEC-US-03 *	1	1	1	CABLE, IEC LOCK, US, 3.1M		
19	SLX-BR-CALIB-700 §	1	1	1	SLX-BR, Field Alignment Target, 700mm		
20	LST-FRAME-SLX-BR-1-L-BeltHeight-Neck	1	1	1	LST, STD SLX BR FRAME		
21	LGS-FRAME-FIX-CC †	1	1	1	KIT, LGS-FRAME-FIX-CC		
22	SLX-BR-BLOWER	0/1 ‡	0/1 ‡	0/1 ‡	SLX-BR, Blower		

‡ SLX-BR-BLOWER IS AN OPTIONAL COMPONENT

Table A	
ZPID	REGION
LGM-CBL-IEC-US-03	US
LGM-CBL-IEC-EU-03	EU
LGM-CBL-IEC-UK-03	UK
LGM-CBL-IEC-CN-03	CHINA
LGM-CBL-IEC-JP-03	JAPAN
LGM-CBL-IEC-KR-03	KOREA

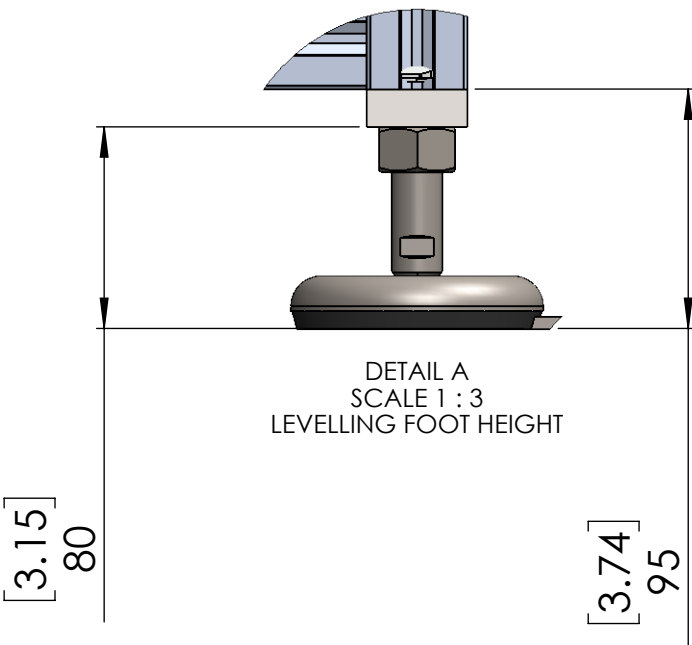
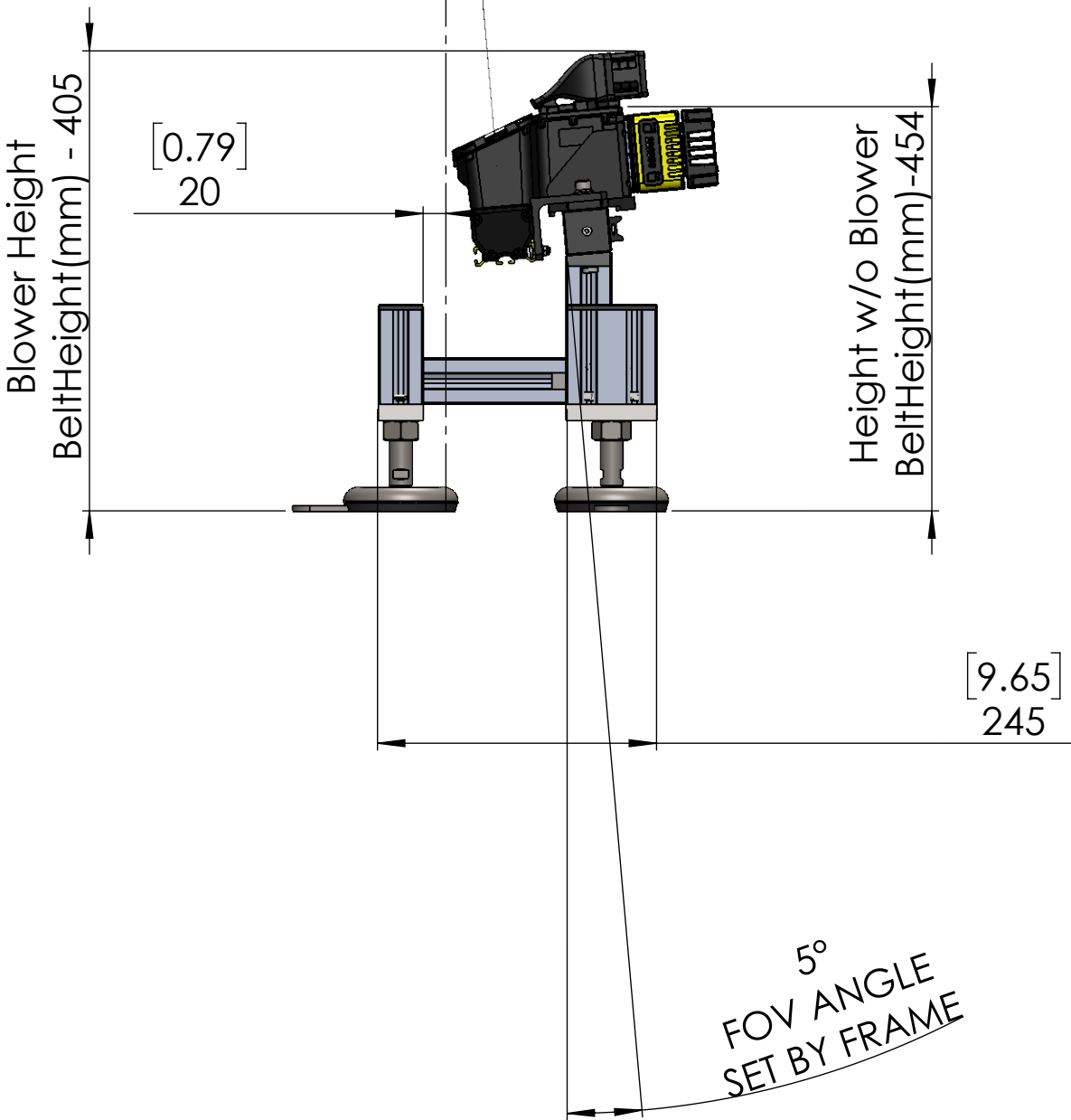
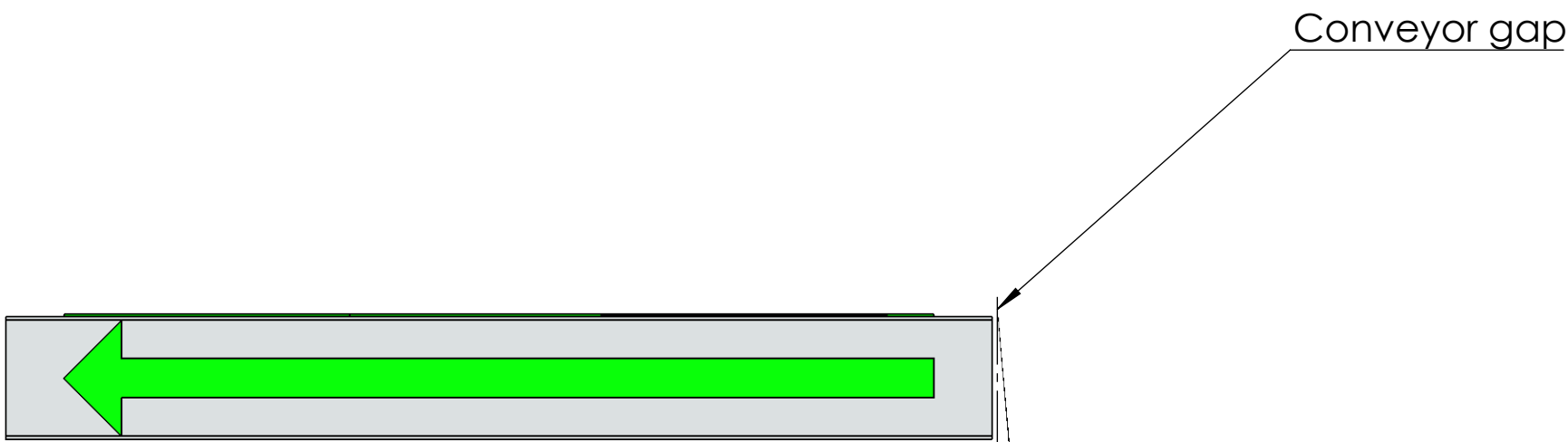
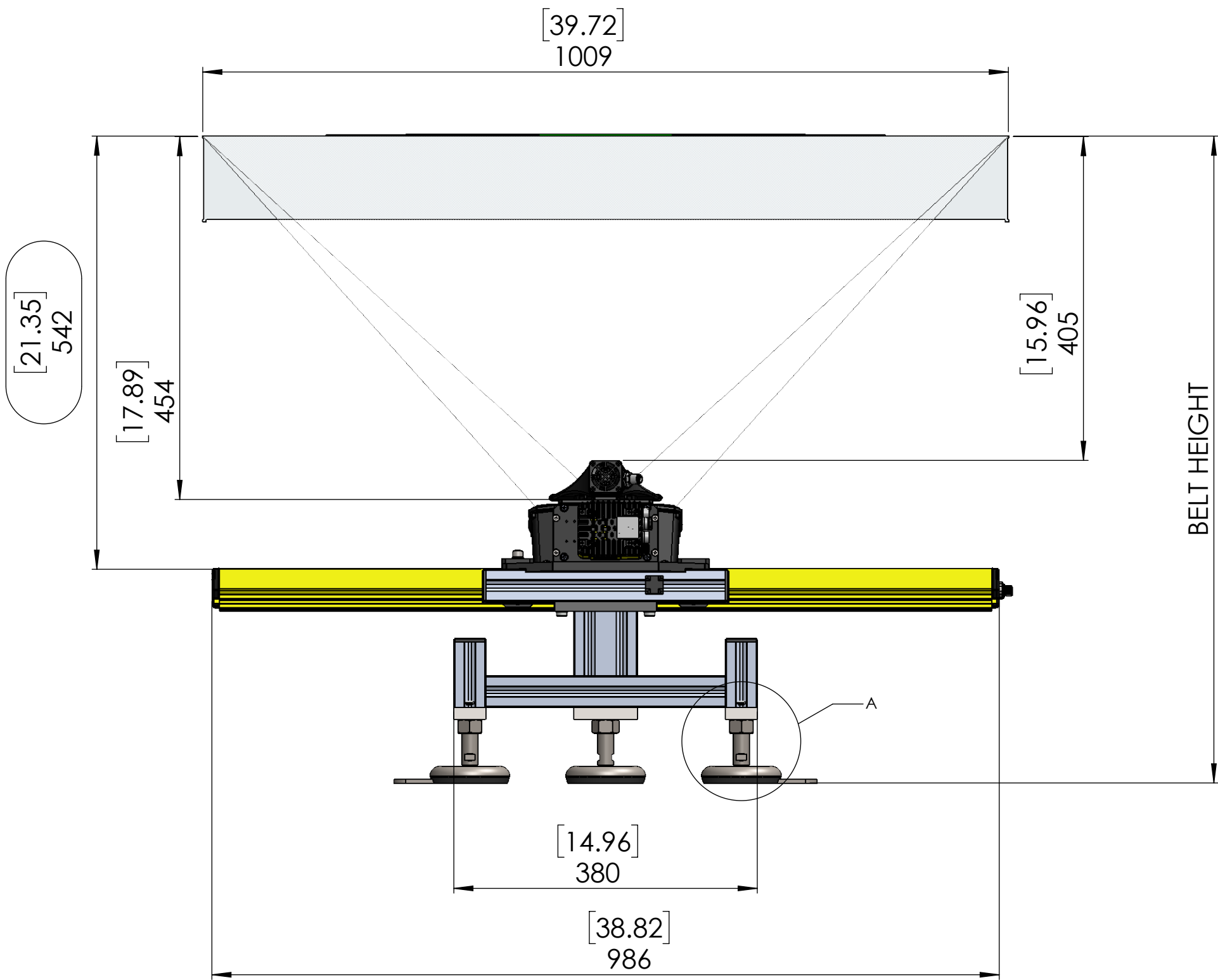
Table B	
ZIPID	FLOOR TYPE
LGS-FRAME-FIX-CC	CONCRETE
LGS-FRAME-FIX-WD	WOOD
LGS-FRAME-FIX-MG	METAL GRATE

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CREATED BY					
CHECKED BY					
MATERIAL					
FINISH					
ROUGHNESS	TITLE PROJECT DOC TYPE SIZE A2 SCALE 1:8 VOLUME mm³ VIEW  UNIT mm SLX-3804L-BR-MLC SLX-3804L-BR-MLC mm³ g DATE 8/25/2026 REV 01 SHEET 4 OF 6				

SYSTEM & CRITICAL TO QUALITY MEASUREMENTS

Direction of travel
into page



CTQ#	DIMENSION	DESCRIPTION
#1	[21.35] 542	TOP OF BELT TO TOP OF FRAME

CREATED BY		COGNEX			
CHECKED BY		SLX-3804L-BR-MLC			
MATERIAL		DOC TYPE		DWG NO.	
FINISH		SIZE		VOLUME	
ROUGHNESS		VIEW		UNIT	
		SCALE		DATE	
		1:6		8/25/2026	
		mm		SHEET 5 OF 6	

