

SOLUTION EXPERIENCE, BOTTOM READ

POWERED BY DATAMAN 380 READERS

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ROBOTUNITS FRAME BILL OF MATERIAL

SYSTEM SPECIFICATIONS

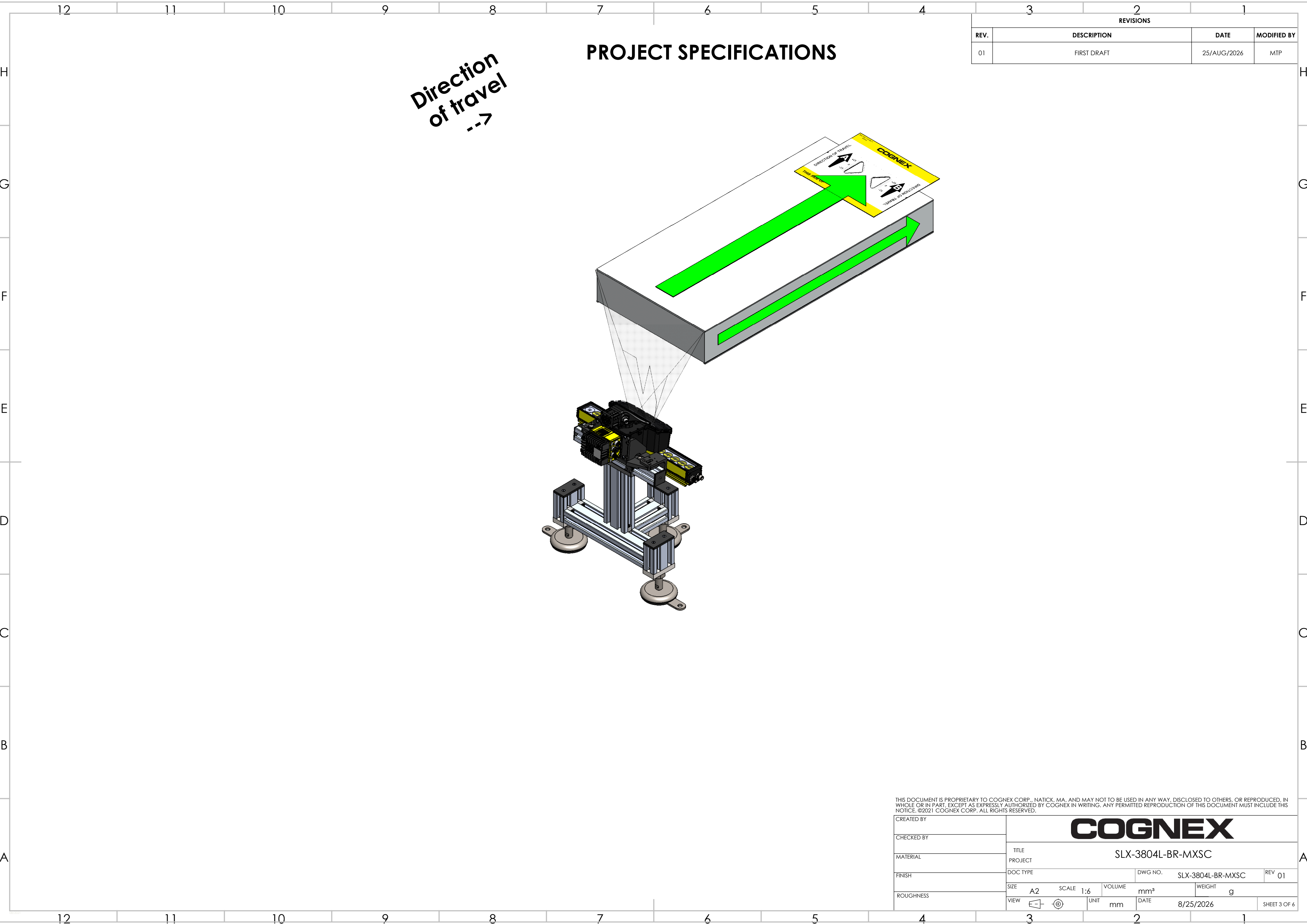
THE SYSTEM OPERATES IN THE FOLLOWING SPECIFICATION RANGE

	MINIMUM	MAXIMUM
CONVEYOR HEIGHT, SLX-BR	480 mm (18.9 in)	-
CONVEYOR HEIGHT, STANDARD FRAME	666 mm (26.2 in)	1 400 mm (55.1 in)
CONVEYOR WIDTH		400 mm (15.7 in)
CONVEYOR SPEED	0.02 m/s (4 fpm)	3.3 m/s (650 fpm)
CONVEYOR GAP	*CALCULATED*	-
BARCODE MODULE SIZE	0.15 mm (6 mil)	-
UNDER FOIL	NO	
SIDES SCANNED	BOTTOM	
BOX WIDTH	-	400 mm (15.7 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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REVISIONS			
REV.	DESCRIPTION	DATE	MODIFIED BY
01	FIRST DRAFT	25/AUG/2026	MTP

CREATED BY

CHECKED BY

MATERIAL

FINISH

ROUGHNESS

TITLE

PROJECT

DOC TYPE

SIZE

VIEW

SCALE

1:6

VOLUME

mm³

UNIT

mm

DWG NO.

SLX-3804L-BR-MXSC

DATE

8/25/2026

REV

01

SHEET 3 OF 6

COGNEX

SLX-3804L-BR-MXSC

DWG NO.

SLX-3804L-BR-MXSC

REV

01

VOLUME

mm³

UNIT

mm

DWG NO.

SLX-3804L-BR-MXSC

DATE

8/25/2026

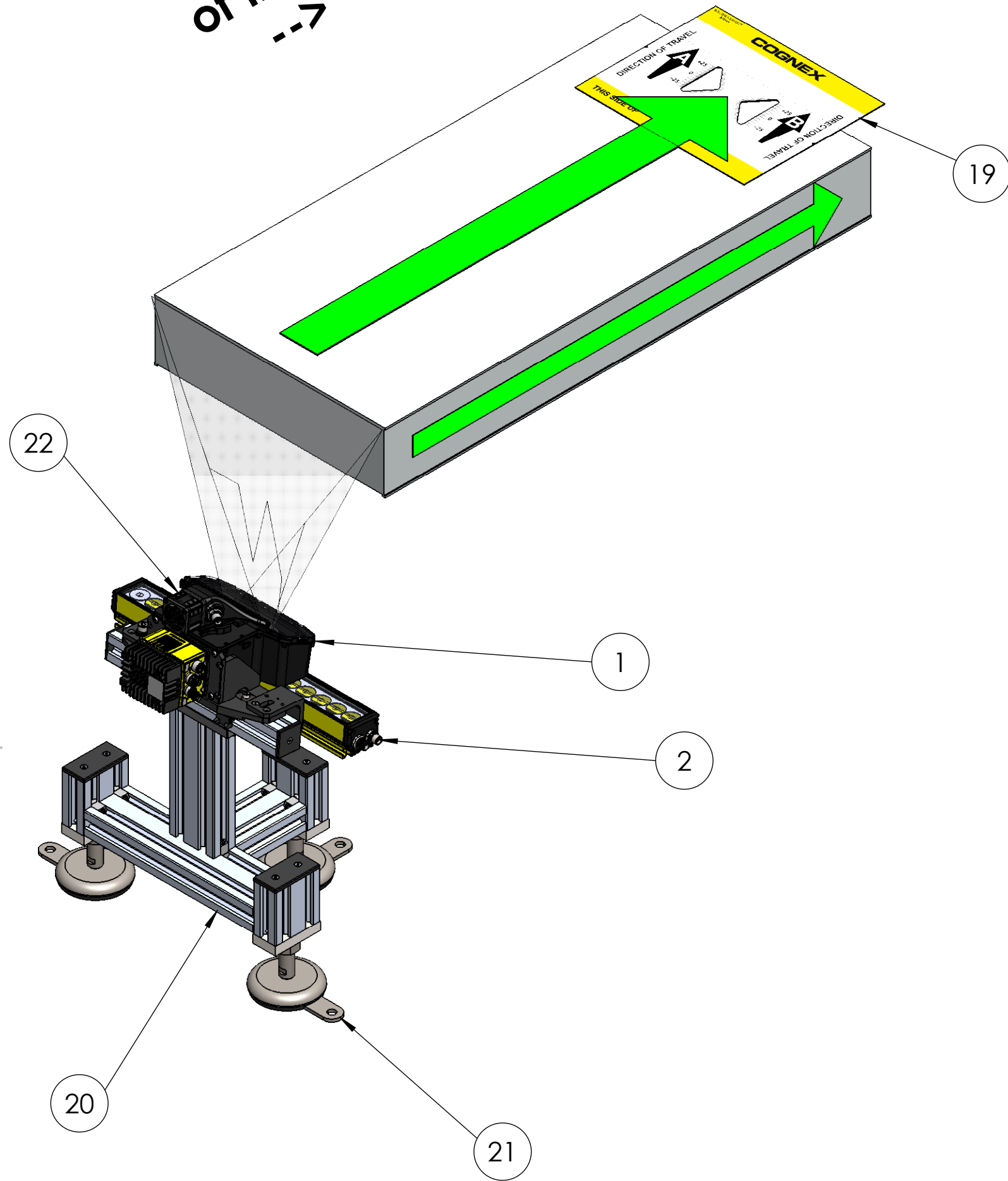
REV

01

SHEET 3 OF 6

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**Direction
of travel
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* CHOOSE APPROPRIATE COUNTRY CABLE FROM TABLE A
† CHOOSE APPROPRIATE FLOOR FIXATION KIT FROM TABLE B
‡ SLX-BR-BLOWER IS AN OPTIONAL COMPONENT

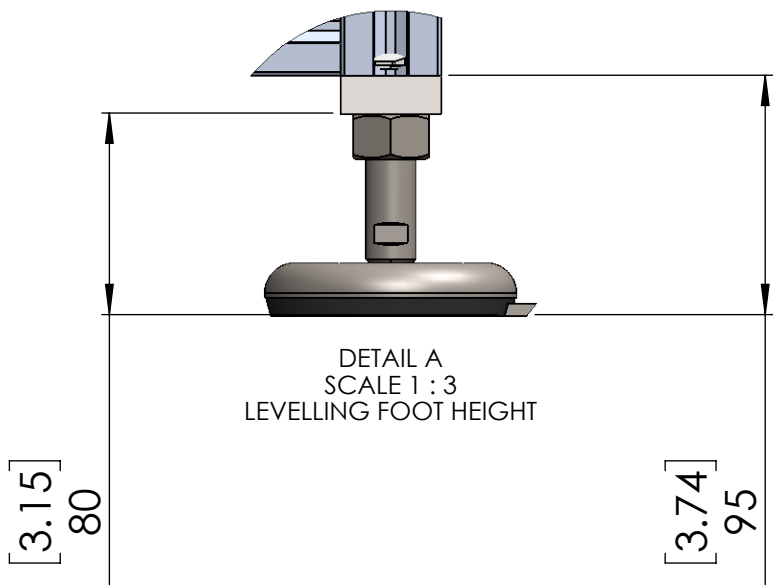
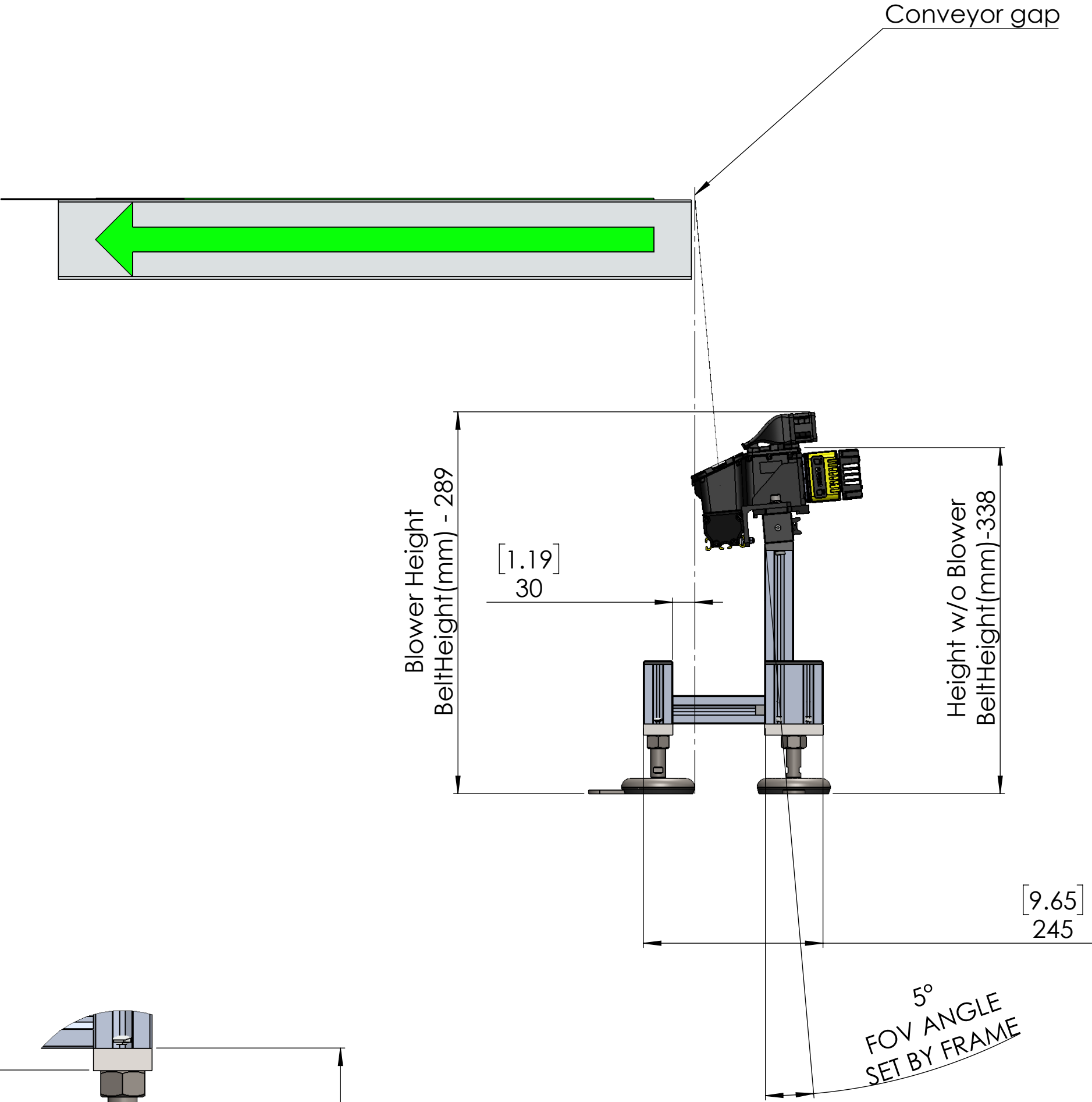
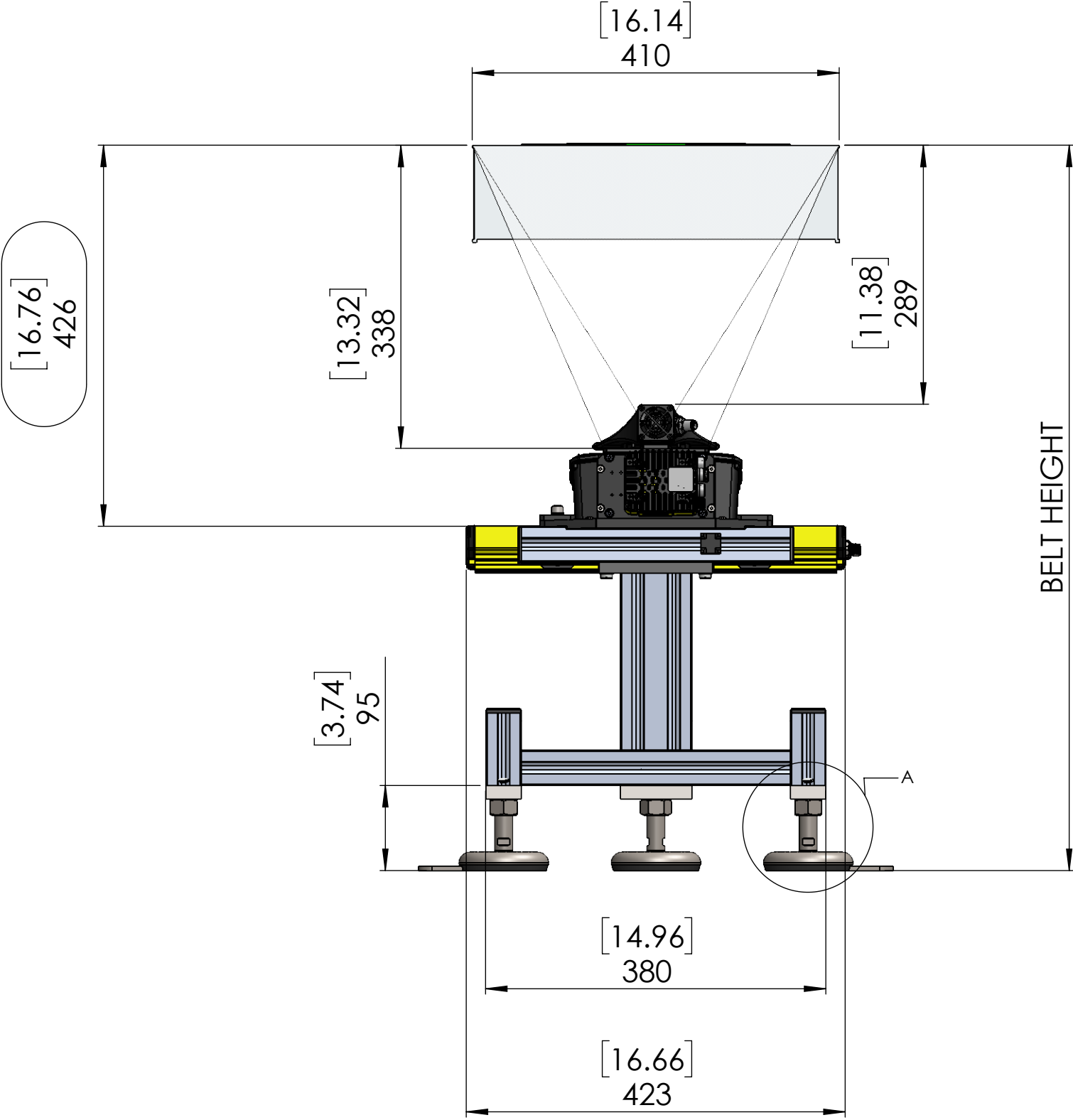
Table B	
ZPID	FLOOR TYPE
LGS-FRAME-FIX-CC	CONCRETE
LGS-FRAME-FIX-WD	WOOD
LGS-FRAME-FIX-MG	METAL GRATE

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CREATED BY		COGNEX				
CHECKED BY						
MATERIAL		TITLE PROJECT				
FINISH		DOC TYPE		DWG NO. SLX-3804L-BR-MXSC		REV 01
ROUGHNESS		SIZE A2	SCALE 1:6	VOLUME mm³	WEIGHT g	
		VIEW 	UNIT mm	DATE 8/25/2026		SHEET 4 OF 6

SYSTEM & CRITICAL TO QUALITY MEASUREMENTS

Direction of travel
into page



CTQ#	DIMENSION	DESCRIPTION
#1	[16.76] 426	TOP OF BELT TO TOP OF FRAME

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CHECKED BY		SLX-3804L-BR-MXSC			
MATERIAL		PROJECT			
FINISH		DOC TYPE		DWG NO.	SLX-3804L-BR-MXSC
ROUGHNESS		SIZE	A2	SCALE	1:6
		VOLUME	mm³	WEIGHT	g
		VIEW	DATE	8/25/2026	SHEET 5 OF 6

