

SOLUTION EXPERIENCE, BOTTOM READ

POWERED BY DATAMAN 380 READERS

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SYSTEM SPECIFICATIONS

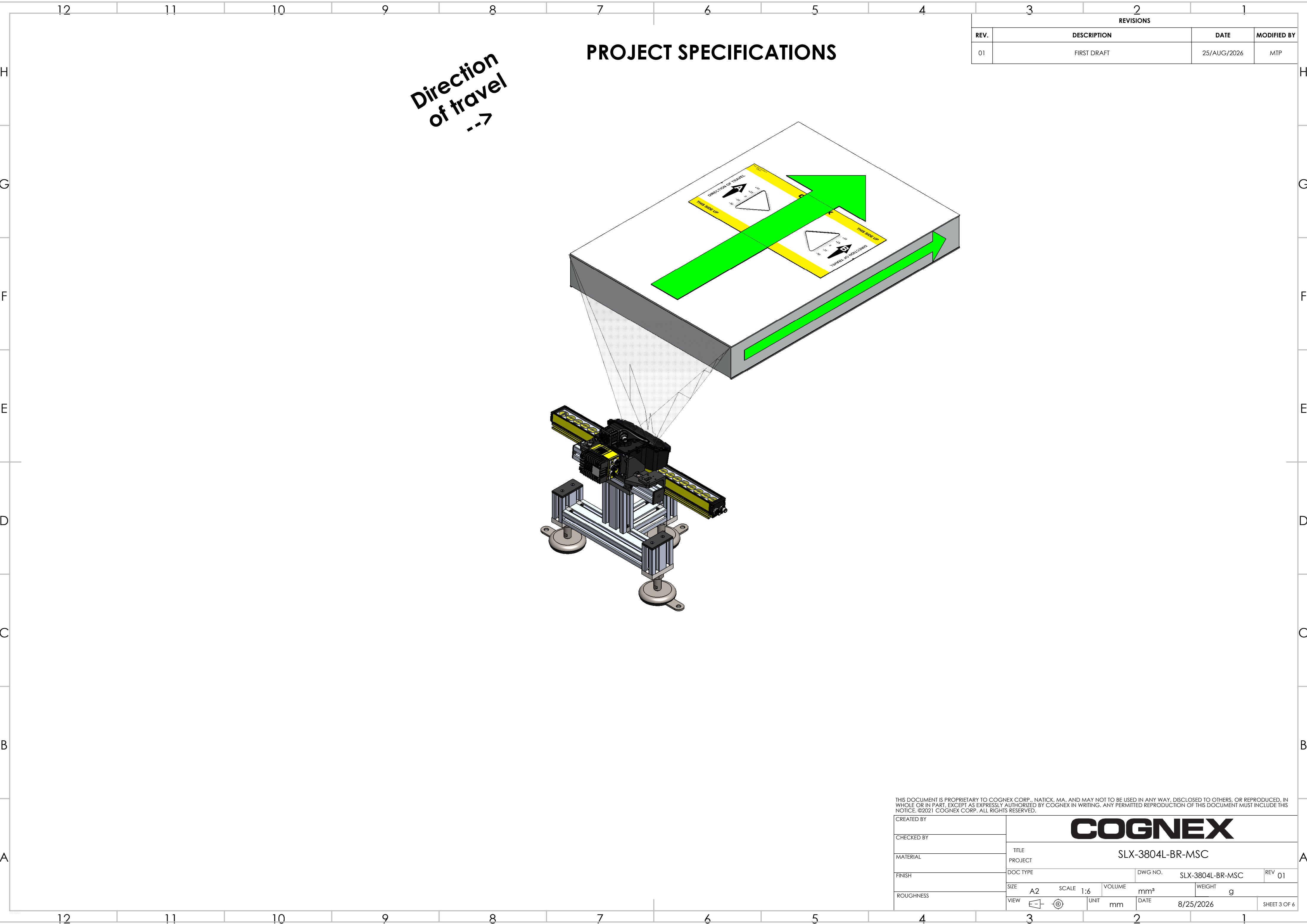
THE SYSTEM OPERATES IN THE FOLLOWING SPECIFICATION RANGE

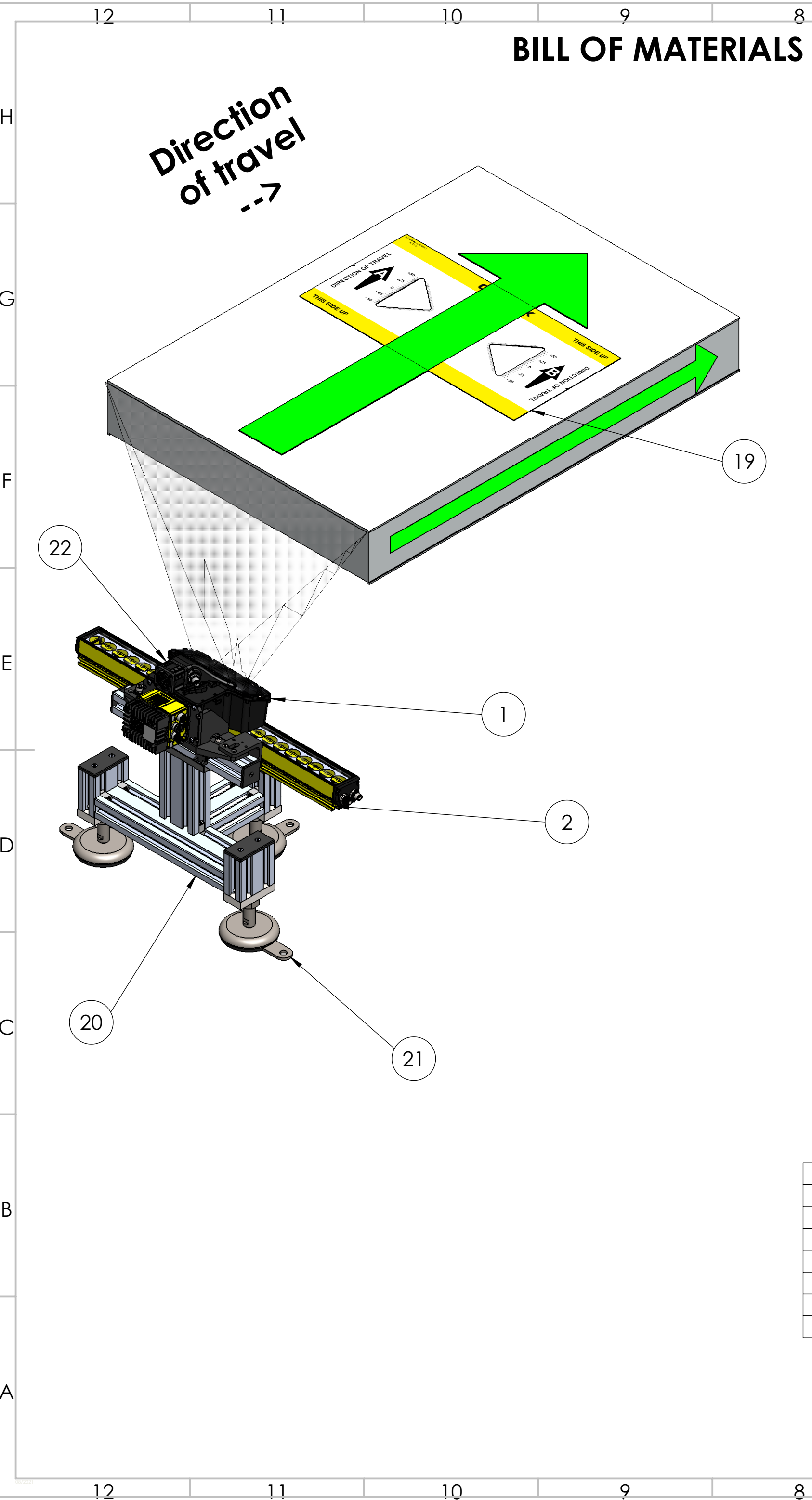
	MINIMUM	MAXIMUM
CONVEYOR HEIGHT, SLX-BR	538 mm (21.2 in)	-
CONVEYOR HEIGHT, STANDARD FRAME	724 mm (28.5 in)	1400 mm (55.1 in)
CONVEYOR WIDTH		600 mm (23.6 in)
CONVEYOR SPEED	0.02 m/s (4 fpm)	3.3 m/s (650 fpm)
CONVEYOR GAP	*CALCULATED*	-
BARCODE MODULE SIZE	0.17 mm (6.6 mil)	-
UNDER FOIL	NO	
SIDES SCANNED	BOTTOM	
BOX WIDTH	-	600 mm (23.6 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 .





BILL OF MATERIALS

POS	ZPID	QTY, STANDALONE	QTY, MVT INTEGRATED	QTY, MVT + Mettler	DESCRIPTION
1	SLX-3804L-BR-MSC	1	1	1	CFKIT, SLX-3804L-BR Small variant, 600 mm, 6.6 mil
2	IVLS-BR600-WHI-P	1	1	1	SLX-BR SVL Light, 600mm, W, Pol, Kit
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-500 §	1	1	1	SLX-BR, Field Alignment Target, 500mm
20	LST-FRAME-SLX-BR-1-S-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

* CHOOSE APPROPRIATE COUNTRY CABLE FROM TABLE A
§ CALIBRATION TARGET SLX-BR-CALIB-300 MAY BE USED
† CHOOSE APPROPRIATE FLOOR FIXATION KIT FROM TABLE B
‡ 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	
ZPID	FLOOR TYPE
LGS-FRAME-FIX-CC	CONCRETE
LGS-FRAME-FIX-WD	WOOD
LGS-FRAME-FIX-MG	METAL GRATE

CREATED BY

CHECKED BY

MATERIAL

FINISH

ROUGHNESS

TITLE

PROJECT

DOC TYPE

SIZE

VIEW

SCALE

1:6

VOLUME

mm³

WEIGHT

g

DATE

8/25/2026

SHEET 4 OF 6

COGNEX

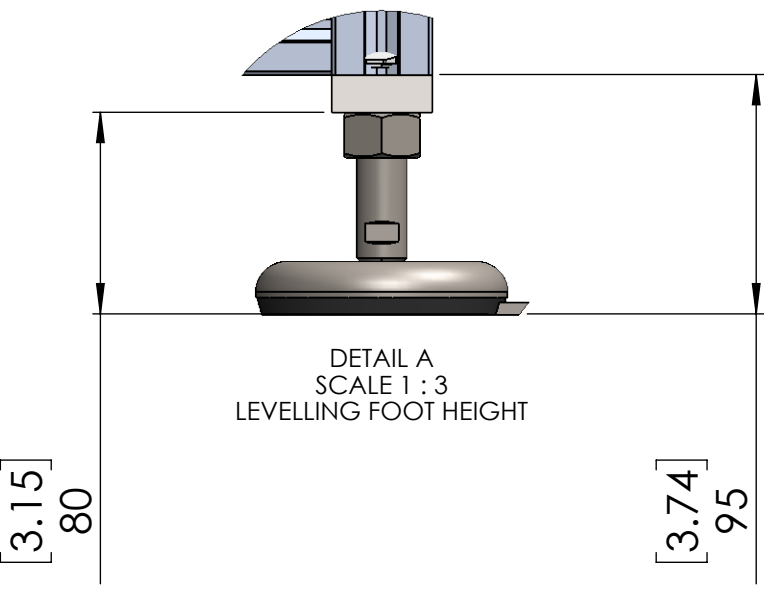
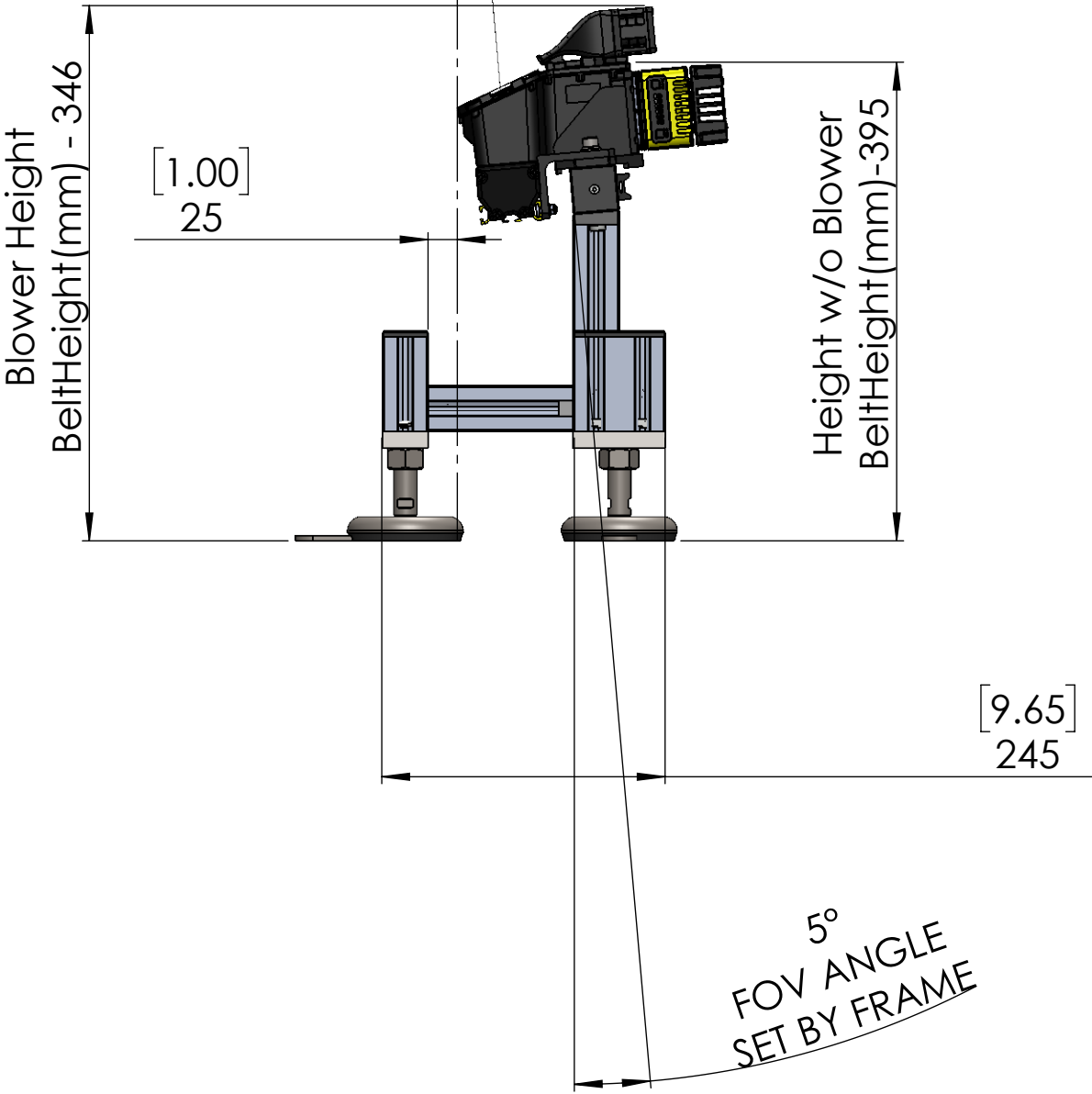
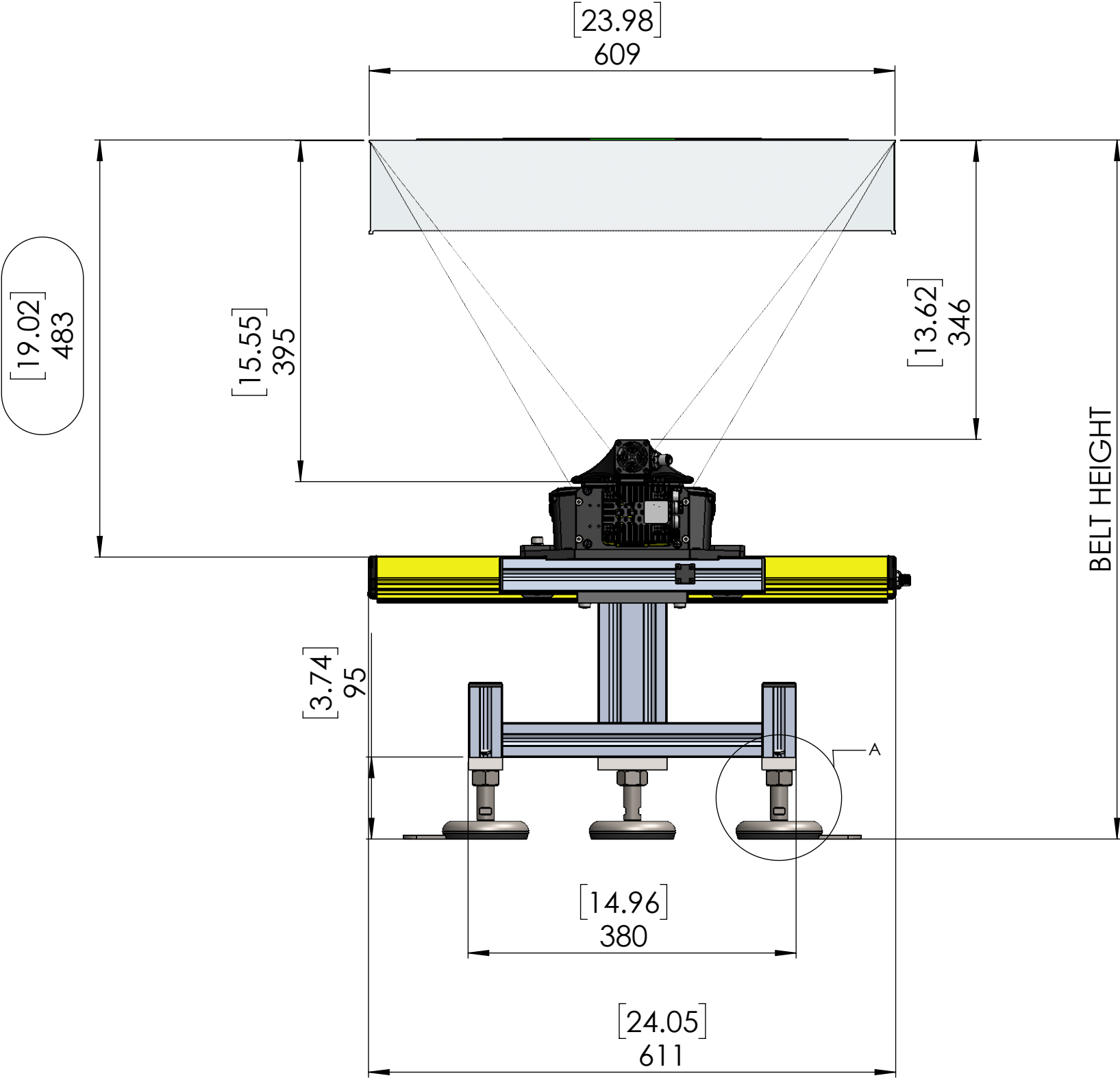
SLX-3804L-BR-MSC

DWG NO. SLX-3804L-BR-MSC

REV 01

SYSTEM & CRITICAL TO QUALITY MEASUREMENTS

Direction of travel
into page



CTQ#	DIMENSION	DESCRIPTION
#1	[19.02] 483	TOP OF BELT TO TOP OF FRAME

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

12

11

10

9

8

7

6

5

4

3

2

1

ITEM NO.

PART NUMBER

DESCRIPTION

LENGTH

QTY.

1

LST-FRAME-SLX-BR-1

1

1.1

PIL_4140_SNN_300

40X40 EXTRUSION, LEAN LINE

300

1

1.2

PIL_4180_SNN_125

40X80 EXTRUSION, LEAN LINE

125

1

1.3

PIL_4180_SNN_300

40X80 EXTRUSION, LEAN LINE

300

1

1.4

PIL_4180_SNN_82

40X80 EXTRUSION, LEAN LINE

82

3

1.5

PIL_4180_SNN_Z

40X80 EXTRUSION, LEAN LINE

Z

1

2

9046362

40x80 Leveling foot kit no anchor

3

3

CAP_4041

END CAP, 40 X 40

2

4

CAP_4081_

END CAP, 40x80

3

5

TIN_4508

M8 DROP-IN NUT

11

6

TIN_4506

M6 DROP-IN NUT

1

7

IBS_M06X018

M6X18 SOCKET HEAD CAP SCREW

1

8

IBS_M08X020NIKO

M8X20 LOW HEAD SHCS

1

9

BLS_008

M8 FLAT WASHER

3

10

FAS_4081

FASTENER KIT 40X80

2

11

PIN_4530

CABLE BLOCK

5

12

57185A31_Ball-End Hex L-Key

10mm Ball-End Hex L-Key

1

13

188704

11" Nylon Cable Tie, Pack of 100

1

14

FAS_4041

FASTENER KIT 40X40

6

15

371-31224

SLX-BR Frame Neck Wedge

1

FRAME BOM

Z=BeltHeight(mm) - 671

Belt Height (in)

Belt Height (mm)

Z, Item 1.5 length (mm)

28.5

724

53

29

737

66

30

762

91

31

787

116

32

813

142

33

838

167

34

864

193

35

889

218

36

914

243

37

940

269

38

965

294

39

991

320

40

1016

345

41

1041

370

42

1067

396

43

1092

421

44

1118

447

45

1143

472

46

1168

497

47

1194

523

48

1219

548

49

1245

574

50

1270

599

51

1295

624

52

1321

650

53

1346

675

54

1372

701

55

1397

726

55.1

1400

729

1.1

15

1.5

1.4

1.2

1.3

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CREATED BY

CHECKED BY

MATERIAL

FINISH

ROUGHNESS

TITLE

PROJECT

DOC TYPE

SIZE

VIEW

SCALE

1:4

UNIT

mm

VOLUME

mm³

WEIGHT

g

DWG NO.

SLX-3804L-BR-MS

REV

01

DATE

8/25/2026

SHEET

6 OF 6

COGNEX

SLX-3804L-BR-MS