

SOLUTION EXPERIENCE, BOTTOM READ

POWERED BY DATAMAN 380 READERS

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SYSTEM SPECIFICATIONS

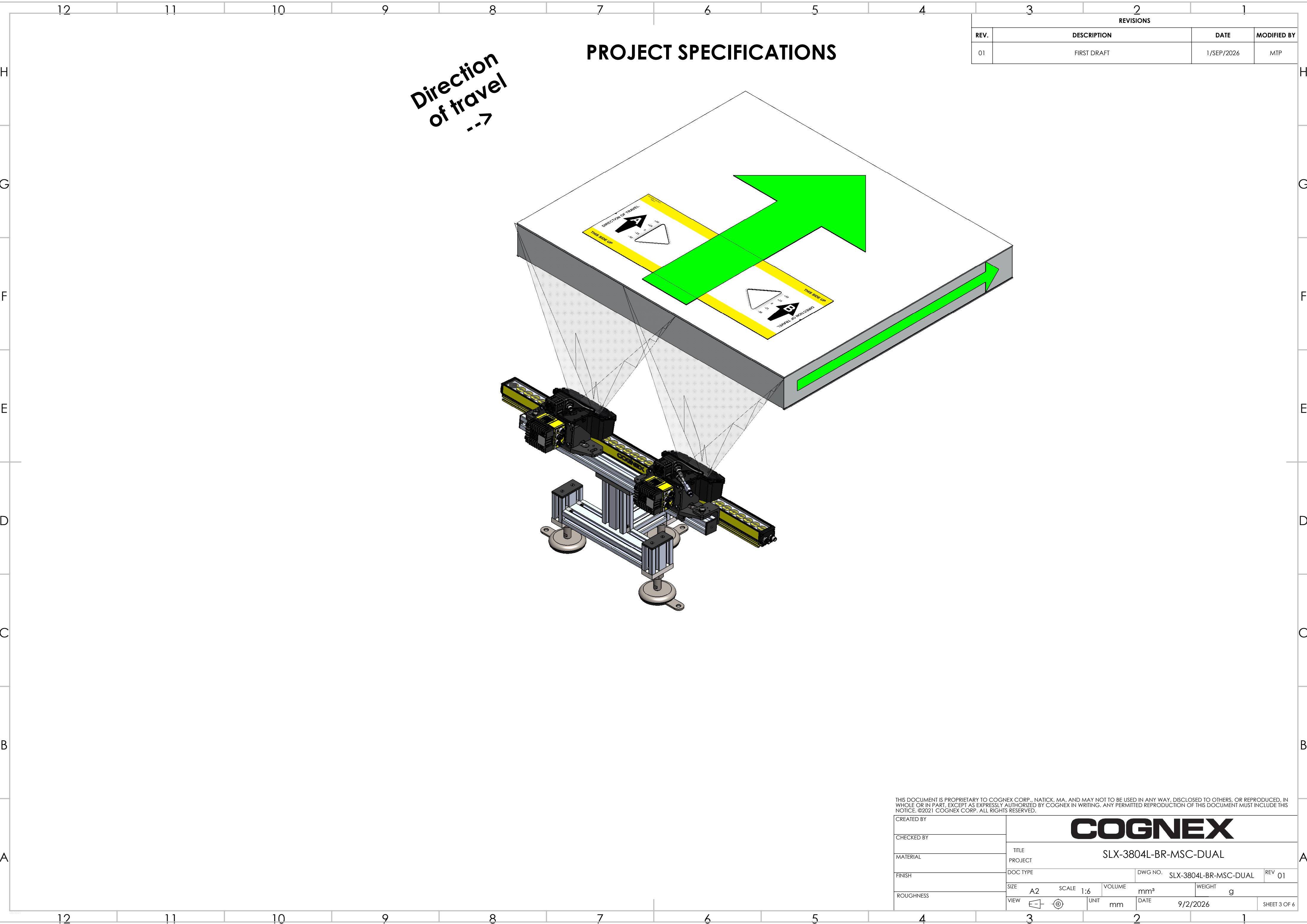
THE SYSTEM OPERATES IN THE FOLLOWING SPECIFICATION RANGE

	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		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	0.17 mm (6.6 mil)	-
UNDER FOIL	YES	
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)

ANGLE WEDGE MAY BE REMOVED TO DECREASE THE CONVEYOR GAP REQUIREMENT 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 .



Direction
of travel
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PROJECT SPECIFICATIONS

REVISIONS			
REV.	DESCRIPTION	DATE	MODIFIED BY
01	FIRST DRAFT	1/SEP/2026	MTP

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MATERIAL		TITLE PROJECTSLX-3804L-BR-MSC-DUAL							
FINISH		DOC TYPE				DWG NO. SLX-3804L-BR-MSC-DUAL		REV 01	
ROUGHNESS		SIZEA2	SCALE1:6	VOLUME	mm³		WEIGHT	g	
		VIEW 	UNITmm	DATE9/2/2026				SHEET 3 OF 6	

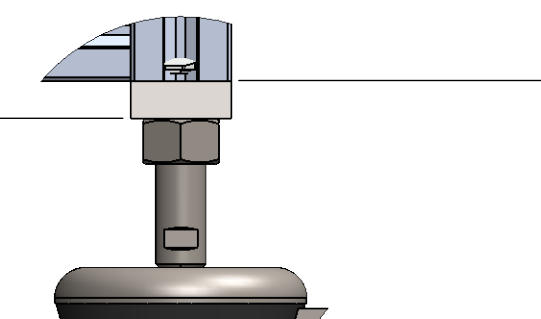
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* CHOOSE APPROPRIATE COUNTRY CABLE FROM TABLE A
§ CALIBRATION TARGET SLX-BR-CALIB-500 MAY BE USED
† CHOOSE APPROPRIATE FLOOR FIXATION KIT FROM TABLE B
‡ SLX-BR-BLOWER IS AN OPTIONAL COMPONENT

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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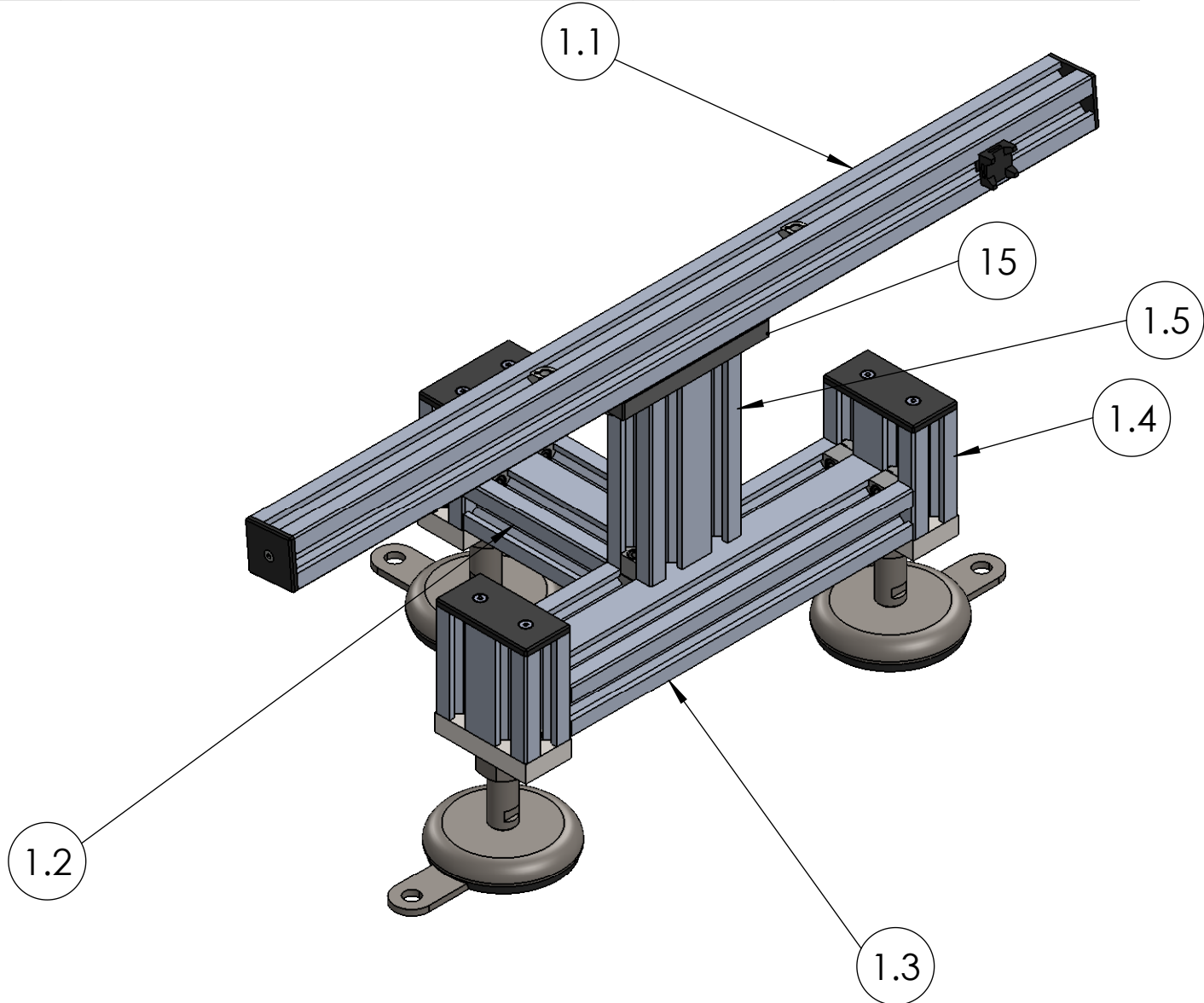


[3.15]

[3.74]

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MATERIAL	TITLE PROJECTSLX-3804L-BR-MS-C-DUAL								
FINISH	DOC TYPE					DWG NO.	SLX-3804L-BR-MS-C-DUAL		REV 01
	SIZE	A2	SCALE	1:6	VOLUME	mm³		WEIGHT	g
ROUGHNESS	VIEW		UNIT		DATE		SHEET 5 OF 6		
	F1		mm		9/2/2026				

12		11		10		9		8		7	
ITEM NO.	PART NUMBER			DESCRIPTION				LENGTH	QTY.		
1	LST-FRAME-SLX-BR-1								1		
1.1	PIL_4140_SNN_700			40X40 EXTRUSION, LEAN LINE				700	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					5		
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		



3	2	1
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

Note: [in] increments for example only. Use units [mm].
Increments of 1mm can be used

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CREATED BY	COGNEX TITLE PROJECT SLX-3804L-BR-MS-C-DUAL DOC TYPE DWG NO. SLX-3804L-BR-MS-C-DUAL REV 01 SIZE A2 SCALE 1:4 VOLUME mm³ WEIGHT g VIEW  UNIT mm DATE 9/2/2026 SHEET 6 OF 6								
CHECKED BY									
MATERIAL									
FINISH									
ROUGHNESS									