

8

7

6

5

4

3

2

1

F

E

D

C

B

A

ITEM NO.	QTY.	PART NO.	DESCRIPTION
1	1	122837	WELDMENT, STAND, RISER, WEIGHING CONVEYOR .065 THICK TUBING
2	1	120715	ASSY, WEIGHING CONVEYOR, RPS V2
3	4	105159	BOLT-DOWN SWIVEL LEVELING MOUNT WITH 152 MM LONG M16 THREADED STUD
4	1	122838	WELDMENT, STAND, BASE, WEIGHING CONVEYOR, .065 THICK TUBING
5	1	109938	BRACKET, MOUNTING, SCALE INDICATOR, WEIGHING CONVEYOR
6	1	103580	ZM301 WEIGHT INDICATOR MOUNTING BRACKET
7	1	103518	ZM301 WEIGHT INDICATOR
8	6	120369	SCREW, M10X1.5, 25 LONG, EXTERNAL HEX DRIVE, HEX HEAD, STEEL, ZINC FINISH, SERRATED-FLANGE
9	4	103233	18-8 STAINLESS STEEL OVERSIZED WASHER, BLACK-OXIDE, M10 SCREW SIZE, 10.5 mm ID, 30 mm OD
10	4	110212	SCREW, M10X1.5, 65MM LONG, HEX DRIVE, ROUNDED HEAD, STEEL, OXIDE FINISH
11	2	110425	WASHER, GENERAL PURPOSE, M8
12	2	110986	SHCS, M8-1.25 X 65, BLACK-OXIDE, 12.9 ALLOY STEEL
13	4	105696	SCREW, M6X1, 6MM, BUTTON HEAD, HEX SOCKET, BLK OXIDE
14	1	125030	KIT, BRACKET, REFLECTIVE SENSOR TO TREW
15	1	125027	KIT, BARCODE SCANNER, SICK LECTOR 621, TREW WEIGH CONVEYOR MOUNT

SCALE 1 : 20

SCALE 1 : 20

SCALE: 1:10

REV.

ECO

DESCRIPTION

DATE

APPROVED

A

ECO-11950

INITIAL RELEASE

8/6/2024

BJB

B

ECO12313

CHG ITEM 8 TO M10 TO MATCH FRAME

2/13/2025

BJB

C

ECO-12377

SPEC SENSOR POSITIONS AND LOAD CELL GAP

2/24/2025

HSS

Ⓢ

SHEETS 2 AND 3 AND BOTTOM VIEW ON SHEET 1

3RD ANGLE PROJECTION

© 2024 BERKSHIRE GREY, INC.

ALL RIGHTS RESERVED

CONFIDENTIAL AND PROPRIETARY

THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF BERKSHIRE GREY. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF BERKSHIRE GREY IS PROHIBITED.

DESCRIPTION:

WEIGHING CONVEYOR ASSEMBLY AND STAND, RPS, V2

MASS

g

SCALE

1:1

SIZE

B

DOCUMENT NUMBER:

122839

REV:

C

MATERIAL

SEE NOTE

FINISH

SEE NOTE

SHEET

1 OF 3

NOTE(S) UNLESS OTHERWISE SPECIFIED:

1.

DIMENSIONS INDICATED WITH SHALL BE CONSIDERED CRITICAL DIMENSIONS AND BE INSPECTED.

2.

INSTALL INDICATED ITEMS PER MANUFACTURER INSTRUCTIONS.

3.

APPLY LOCTITE 243 TO SCREWS BEFORE INSTALLATION IF NO OTHER RETAINING FEATURE EXISTS.

4.

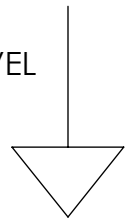
TORQUE ALL FASTENERS PER BG TORQUE TABLE #109835.

8 7 6 5 4 3 2 1

F  
E  
D  
C  
B  
A

F  
E  
D  
C  
B  
A

DIRECTION OF TRAVEL

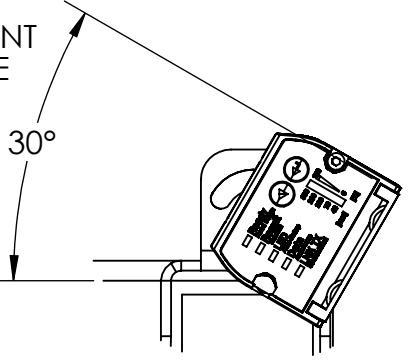


SENSOR KITS (14) (15) SHOULD BE PLACED  
ON UPSTREAM END OF CONVEYOR

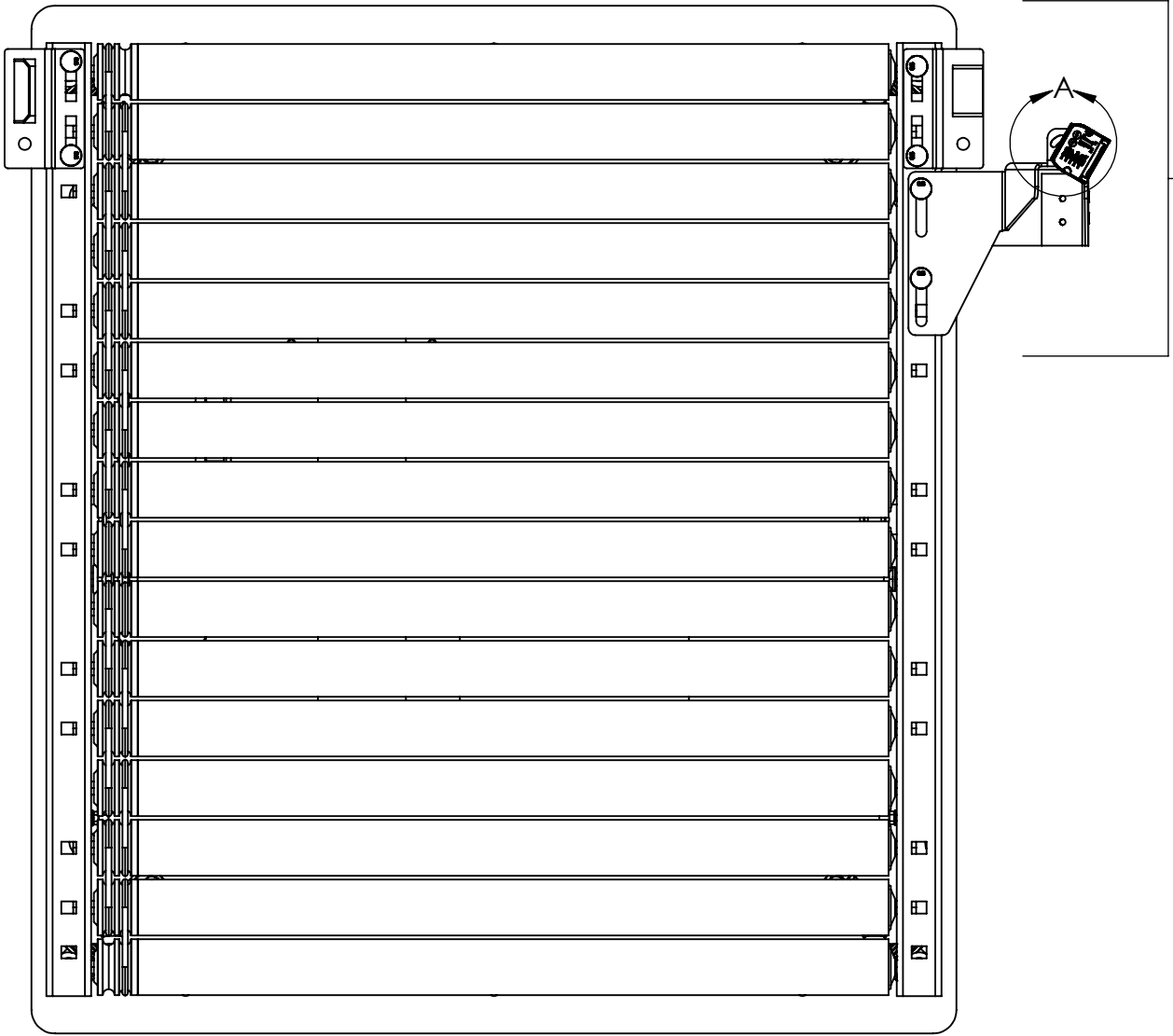
IF DIRECTION OF TRAVEL IS SWAPPED,  
PLACE SENSORS ON OPPOSITE END

ADJUST SENSOR POSITION ON SITE TO ENSURE FUNCTIONALITY

ADJUSTMENT  
OK ON SITE

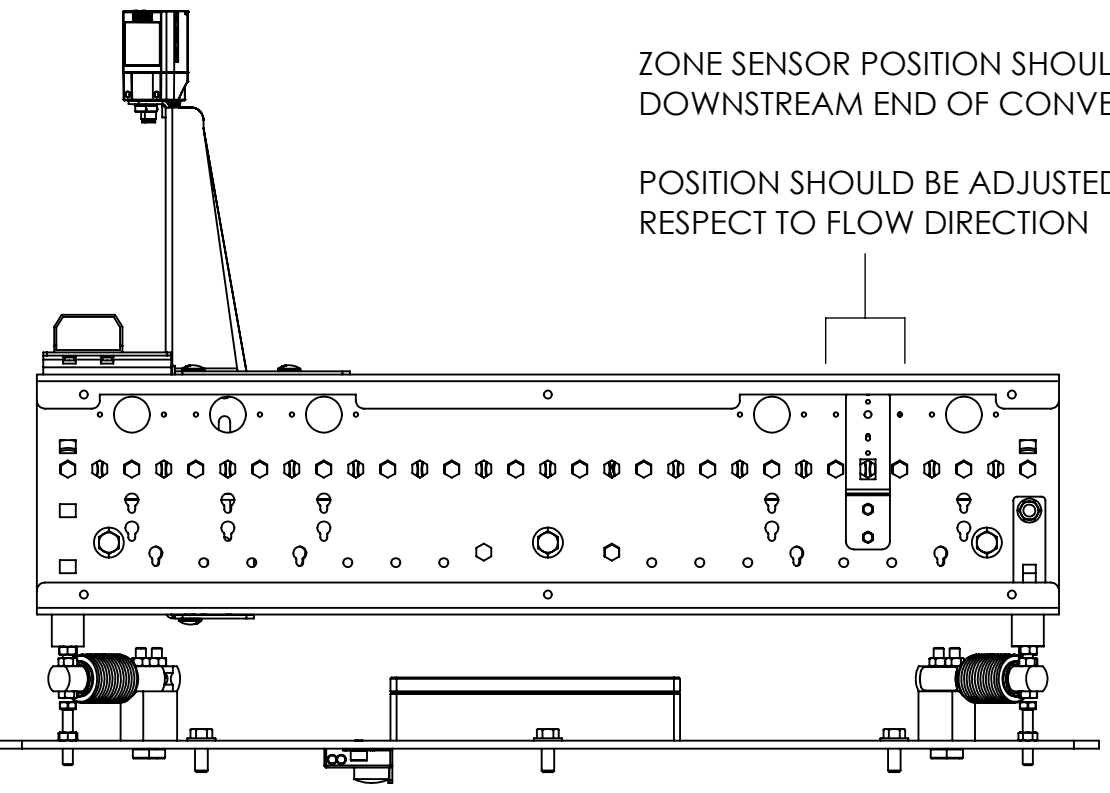
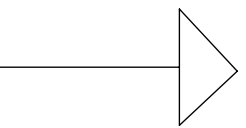


DETAIL A  
SCALE: 1:2



SCALE: 1:6


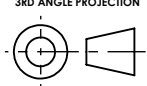
DIRECTION OF TRAVEL



SCALE: 1:6

ZONE SENSOR POSITION SHOULD BE ON  
DOWNSTREAM END OF CONVEYOR

POSITION SHOULD BE ADJUSTED WITH  
RESPECT TO FLOW DIRECTION

		3RD ANGLE PROJECTION 		© 2024 BERKSHIRE GREY, INC. ALL RIGHTS RESERVED CONFIDENTIAL AND PROPRIETARY THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF BERKSHIRE GREY. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF BERKSHIRE GREY IS PROHIBITED.		DESCRIPTION:  WEIGHING CONVEYOR ASSEMBLY AND STAND, RPS, V2	
DIMENSIONS ARE IN MILLIMETERS DRAWN IN ACCORDANCE WITH ASME Y14.5-2018		SCALE 1:1	SIZE B	DOCUMENT NUMBER: 122839		REV: C	
MASS g		MATERIAL SEE NOTE		FINISH SEE NOTE		SHEET 2 OF 3	

8 7 6 5 4 3 2 1

F

F

E

E

D

D

C

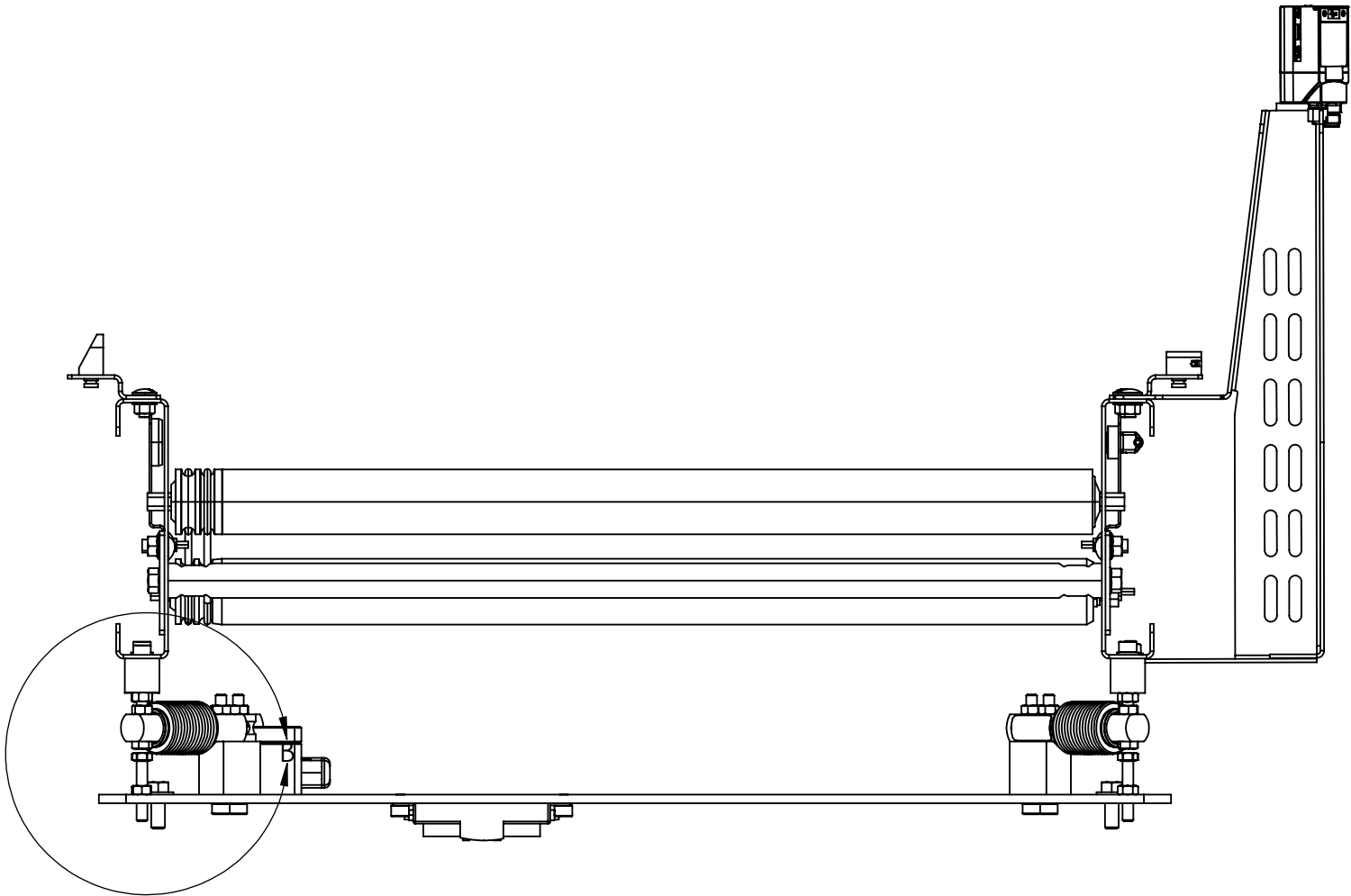
C

B

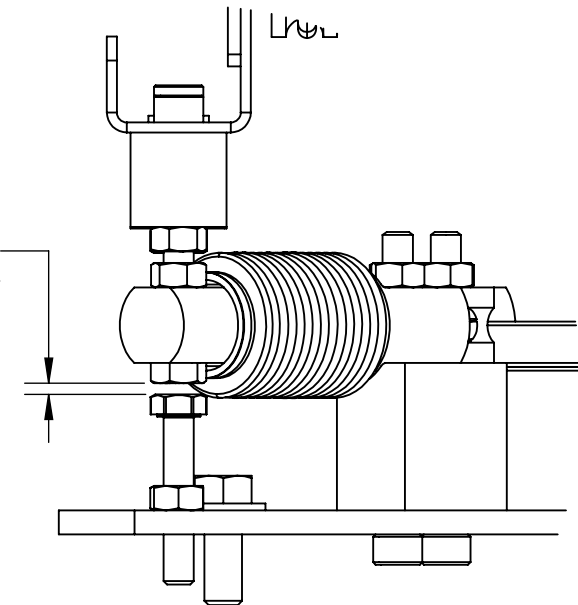
B

A


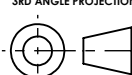
A



GAP BETWEEN HARD STOP AND  
LOAD CELL SHOULD BE  
ADJUSTED TO 3MM DURING INSTALL  
APPLY TO ALL 4 CORNERS



DETAIL B  
SCALE 1 : 2

		3RD ANGLE PROJECTION 		© 2024 BERKSHIRE GREY, INC. ALL RIGHTS RESERVED CONFIDENTIAL AND PROPRIETARY THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF BERKSHIRE GREY. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF BERKSHIRE GREY IS PROHIBITED.		DESCRIPTION:  WEIGHING CONVEYOR ASSEMBLY AND STAND, RPS, V2	
DIMENSIONS ARE IN MILLIMETERS DRAWN IN ACCORDANCE WITH ASME Y14.5-2018		SCALE 1:5		SIZE B		DOCUMENT NUMBER: 122839	
MASS g		MATERIAL SEE NOTE		FINISH SEE NOTE		REV: <b>C</b>	
						SHEET 3 OF 3	