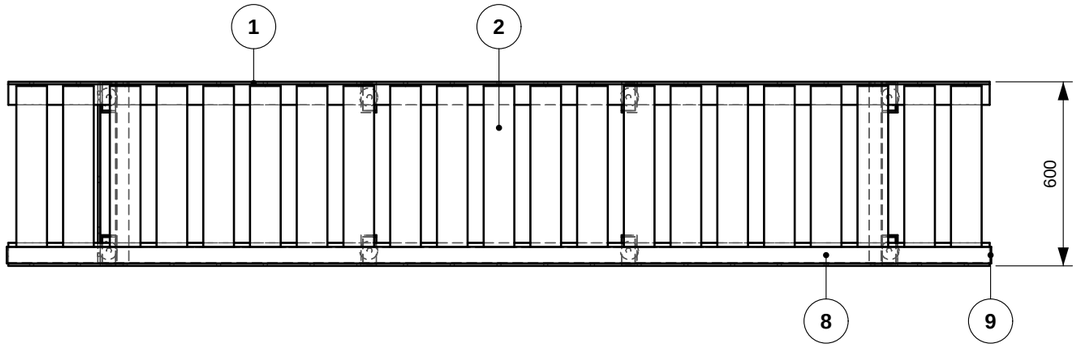
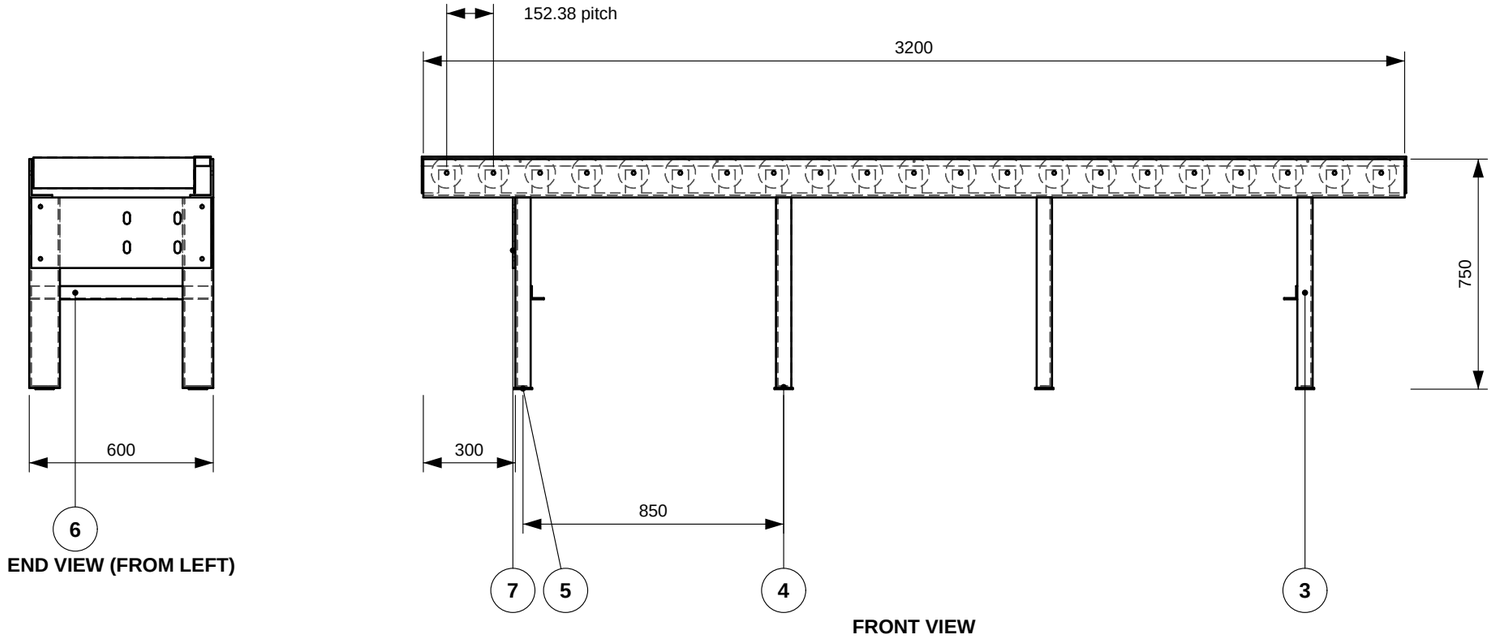
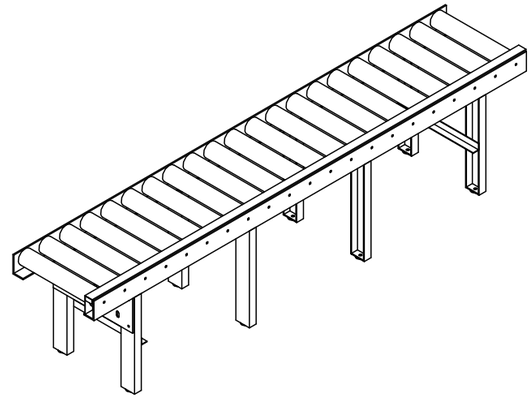


PLAN VIEW



END VIEW (FROM LEFT)

FRONT VIEW



ISOMETRIC VIEW (NOT TO SCALE)

PARTS OF ASSEMBLY

ITEM	DESCRIPTION	SHEET	QTY
1	Side beam, angle 125x75x8 x 3200 lg	sh 2	2
2	Roller Ø100 x 527 body, 573 overall	sh 3	21
3	Leg, channel 100x50x6 x 621 lg	sh 4	8
4	Foot plate 44x88x6	sh 5	8
5	Levelling foot Ø60 (bought-out)	sh 6	8
6	Support angle 43x43x4 x 598 lg	sh 7	2
7	Motor plate 587 x 230 x 8	sh 8	1
8	Chain guard, 2 mm folded x 3210 lg	sh 9	1
9	Guard end plate 50 x 28.5 x 2	sh 10	2

NOTES

1. 21 rollers Ø100 at 152.38 pitch (requested 150), first 76.19 from the end.
2. Frame 3200 x 600, top of beams 750 above floor; roller tops 755.
3. 4 leg pairs at 325, 1175, 2025, 2875 from the drive end.
4. Drive at the -X end: gearmotor on the motor plate across the end legs, chain on the -Y side under the guard. Gearmotor and sprockets chosen at build, not modelled.
5. Finish: frame Powder coat RAL 9005 jet black, satin. Rollers and feet bright zinc (bought-out).
6. Welds: Fillet weld all round unless stated.
7. All dimensions mm. Do not scale.
8. Detail of every item on the following sheets.
9. Geometry projected from the STEP model (same file).

PARAMETERS (from cell builder)

length	3200
width	600
height	750
rollerPitch	150
roller	Ø100

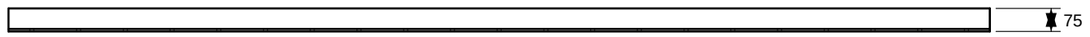
Path2 path2.io · generated from cell builder parameters

ROLLER CONVEYOR

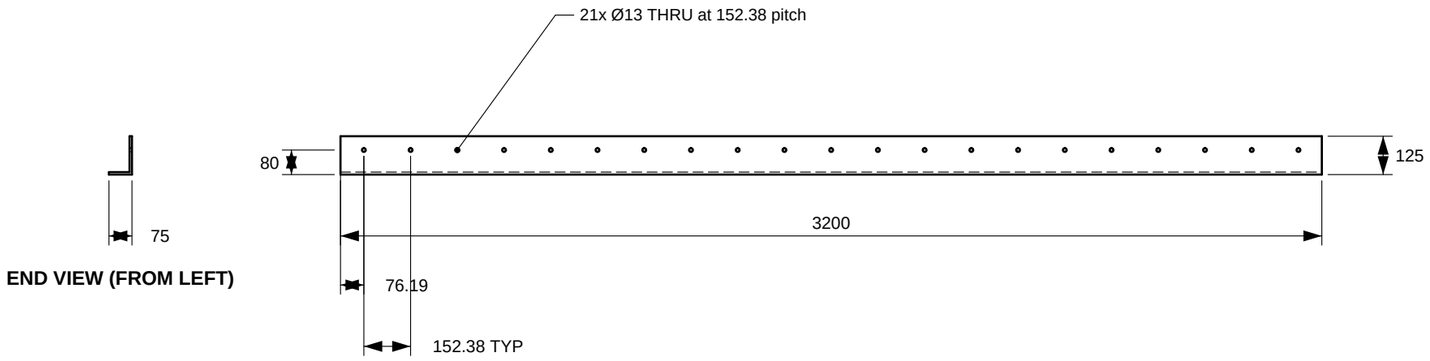
GENERAL ARRANGEMENT

CONCEPT – VERIFY BEFORE MANUFACTURE

DRAWING NO	**P2-CONVEYOR-3200X600X750**
SCALE	**1:20 @ A3**
UNITS	**mm Third angle**
FINISH	**RAL 9005 black powder coat**
DATE	**2026-11-26**
SHEET	**1 of 10**

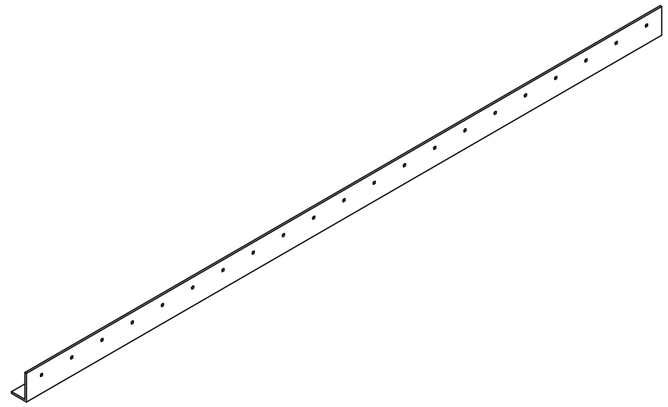


PLAN VIEW



END VIEW (FROM LEFT)

FRONT VIEW



ISOMETRIC VIEW (NOT TO SCALE)

NOTES

1. Holes at 152.38 pitch, first 76.19 from the end; 80 up from the bottom (roller tops 5 above the beam).
2. Toe of the angle points into the conveyor. Pair handed (2 off).
3. Drive-side beam: drill/tap for the chain guard fixings on assembly (5x M6).
4. Thickness 8 ASSUMED: confirm section.
5. Deburr all edges. Dimensions mm. Do not scale.
6. Powder coat after welding/machining; mask threads and machined faces.

QTY PER ASSEMBLY	2
STOCK	Unequal angle 125x75x8
MATERIAL	S275JR steel (assumed)
FINISH	Powder coat RAL 9005 jet black, satin

Path2

path2.io · generated from cell builder parameters

ITEM 1: SIDE BEAM, ANGLE 125X75X8 X 3200 LG

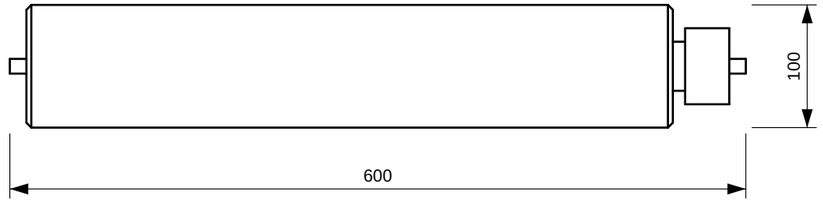
Roller conveyor – detail

CONCEPT – VERIFY BEFORE MANUFACTURE

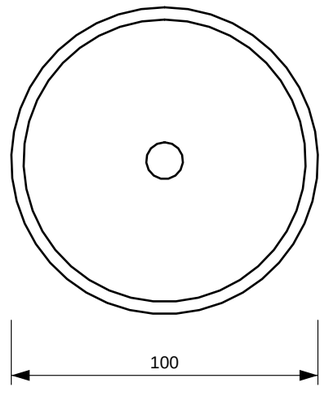
DRAWING NO	**P2-CONVEYOR-3200X600X750/01**
SCALE	**1:20 @ A3**
UNITS	**mm Third angle**
FINISH	**RAL 9005 black**
DATE	**2026-11-26**
SHEET	**2 of 10**



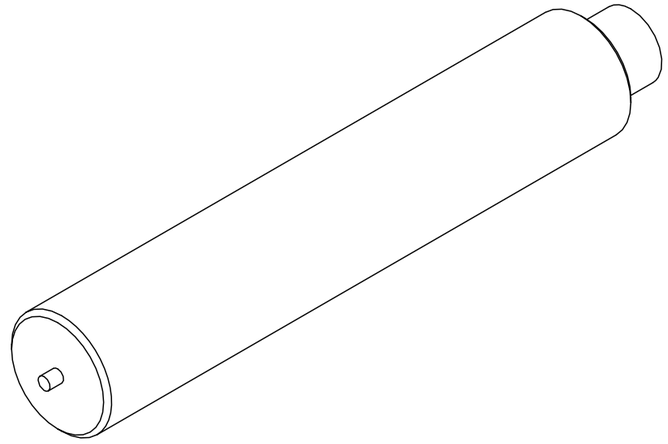
PLAN VIEW



FRONT VIEW



END VIEW (FROM LEFT) SCALE 1:2



ISOMETRIC VIEW (NOT TO SCALE)

NOTES

1. Body = inside width 584 - 57; overall = inside width - 11.
2. Drive end: Ø40 neck, Ø62 hub. Drive sprocket chosen at build.
3. Spindle Ø12 into Ø13 beam holes.
4. Deburr all edges. Dimensions mm. Do not scale.

QTY PER ASSEMBLY	21
STOCK	Bought-out: Ø100 conveyor roller, drive end hub
MATERIAL	S275JR steel (assumed)
FINISH	Bright zinc plated (bought-out, not powder coated)

Path2

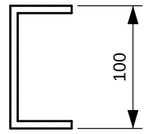
path2.io · generated from cell builder parameters

ITEM 2: ROLLER Ø100 X 527 BODY, 573 OVERALL

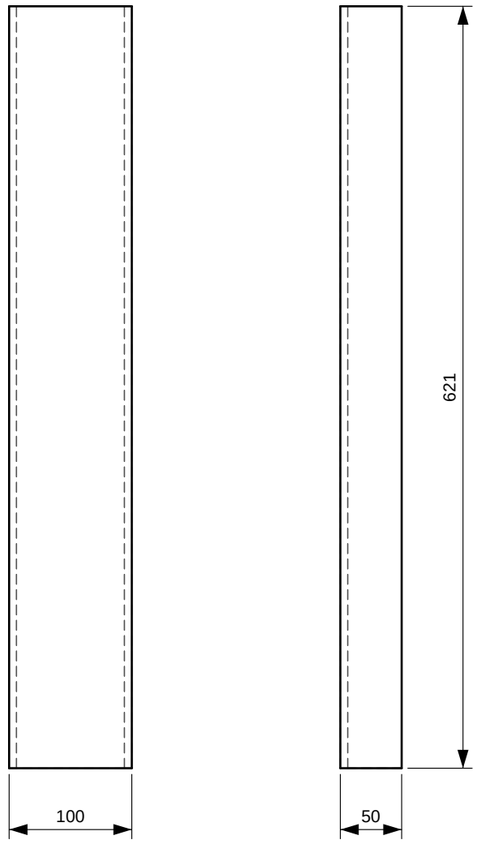
Roller conveyor – detail

CONCEPT – VERIFY BEFORE MANUFACTURE

DRAWING NO	**P2-CONVEYOR-3200X600X750/02**
SCALE	**1:5 @ A3**
UNITS	**mm Third angle**
FINISH	**Zinc / bought-out**
DATE	**2026-11-26**
SHEET	**3 of 10**

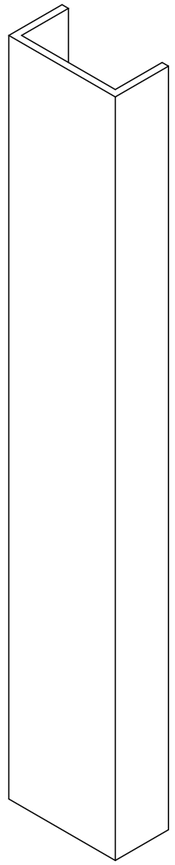


PLAN VIEW



END VIEW (FROM LEFT)

FRONT VIEW



ISOMETRIC VIEW (NOT TO SCALE)

NOTES

1. Length = height 750 - beam 125 - levelling foot 4.
2. Welded under the beam toe, outer face flush with the beam.
3. Leg centres 325, 1175, 2025, 2875 from the drive end.
4. Deburr all edges. Dimensions mm. Do not scale.
5. Powder coat after welding/machining; mask threads and machined faces.

QTY PER ASSEMBLY	8
STOCK	Channel 100x50x6
MATERIAL	S275JR steel (assumed)
FINISH	Powder coat RAL 9005 jet black, satin

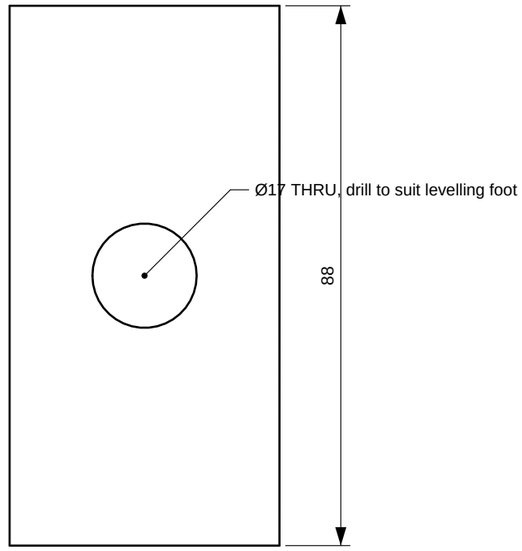
Path2 path2.io · generated from cell builder parameters

ITEM 3: LEG, CHANNEL 100X50X6 X 621 LG

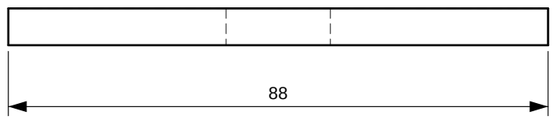
Roller conveyor – detail

CONCEPT – VERIFY BEFORE MANUFACTURE

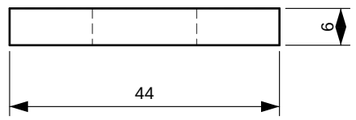
DRAWING NO	**P2-CONVEYOR-3200X600X750/03**
SCALE	**1:5 @ A3**
UNITS	**mm Third angle**
FINISH	**RAL 9005 black**
DATE	**2026-11-26**
SHEET	**4 of 10**



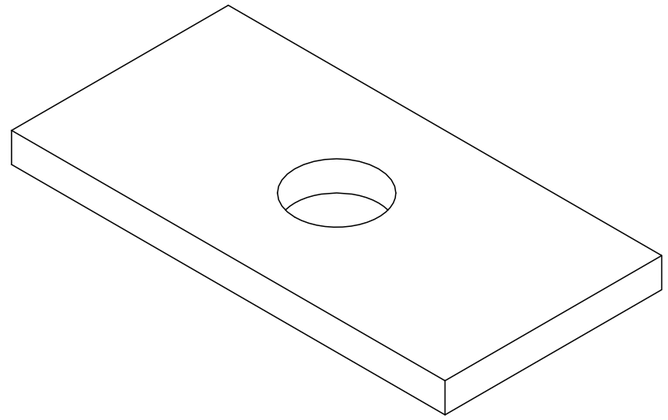
PLAN VIEW



END VIEW (FROM LEFT)



FRONT VIEW



ISOMETRIC VIEW (NOT TO SCALE)

NOTES

1. Welded inside the leg foot, flush with the end.
2. Deburr all edges. Dimensions mm. Do not scale.
3. Powder coat after welding/machining; mask threads and machined faces.

QTY PER ASSEMBLY	8
STOCK	Plate 6 thk
MATERIAL	S275JR steel (assumed)
FINISH	Powder coat RAL 9005 jet black, satin

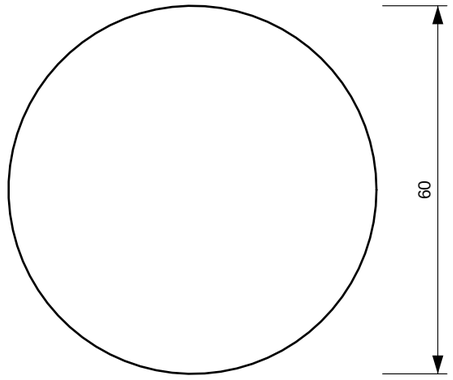
Path2 path2.io · generated from cell builder parameters

ITEM 4: FOOT PLATE 44X88X6

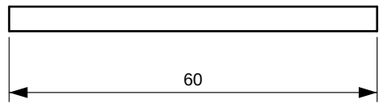
Roller conveyor – detail

CONCEPT – VERIFY BEFORE MANUFACTURE

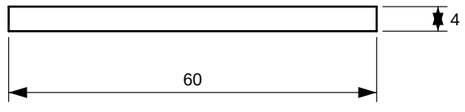
DRAWING NO	**P2-CONVEYOR-3200X600X750/04**
SCALE	**1:1 @ A3**
UNITS	**mm Third angle**
FINISH	**RAL 9005 black**
DATE	**2026-11-26**
SHEET	**5 of 10**



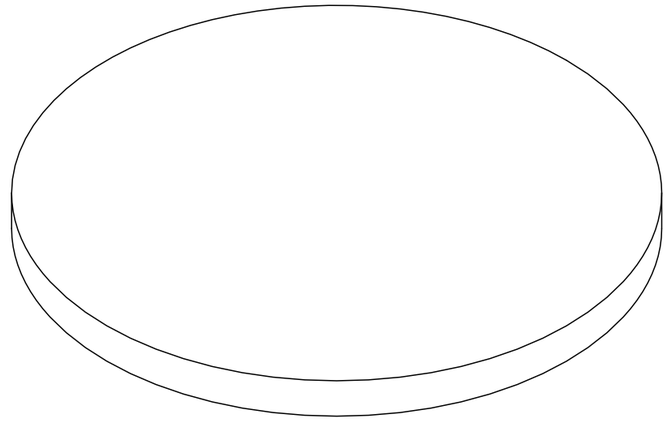
PLAN VIEW



END VIEW (FROM LEFT)



FRONT VIEW



ISOMETRIC VIEW (NOT TO SCALE)

NOTES

1. Set 4 nominal to give the frame height.
2. Deburr all edges. Dimensions mm. Do not scale.

QTY PER ASSEMBLY	8
STOCK	Bought-out: levelling foot to suit hole
MATERIAL	S275JR steel (assumed)
FINISH	Bright zinc plated (bought-out, not powder coated)

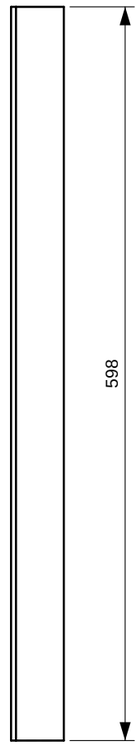
Path2 path2.io · generated from cell builder parameters

ITEM 5: LEVELLING FOOT Ø60 (BOUGHT-OUT)

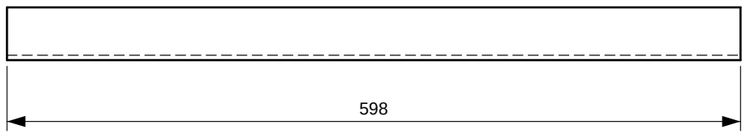
Roller conveyor – detail

CONCEPT – VERIFY BEFORE MANUFACTURE

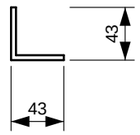
DRAWING NO	**P2-CONVEYOR-3200X600X750/05**
SCALE	**1:1 @ A3**
UNITS	**mm Third angle**
FINISH	**Zinc / bought-out**
DATE	**2026-11-26**
SHEET	**6 of 10**



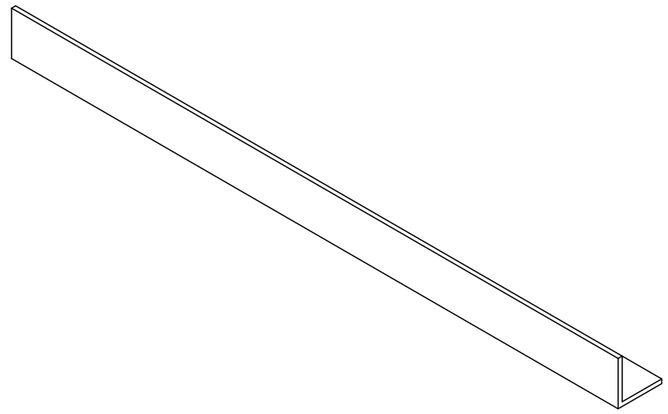
PLAN VIEW



END VIEW (FROM LEFT)



FRONT VIEW



ISOMETRIC VIEW (NOT TO SCALE)

NOTES

1. Across each end leg pair, on the legs' inner faces, mid-height. Position to suit.
2. Thickness 4 ASSUMED.
3. Deburr all edges. Dimensions mm. Do not scale.
4. Powder coat after welding/machining; mask threads and machined faces.

QTY PER ASSEMBLY	2
STOCK	Equal angle 43x43x4
MATERIAL	S275JR steel (assumed)
FINISH	Powder coat RAL 9005 jet black, satin

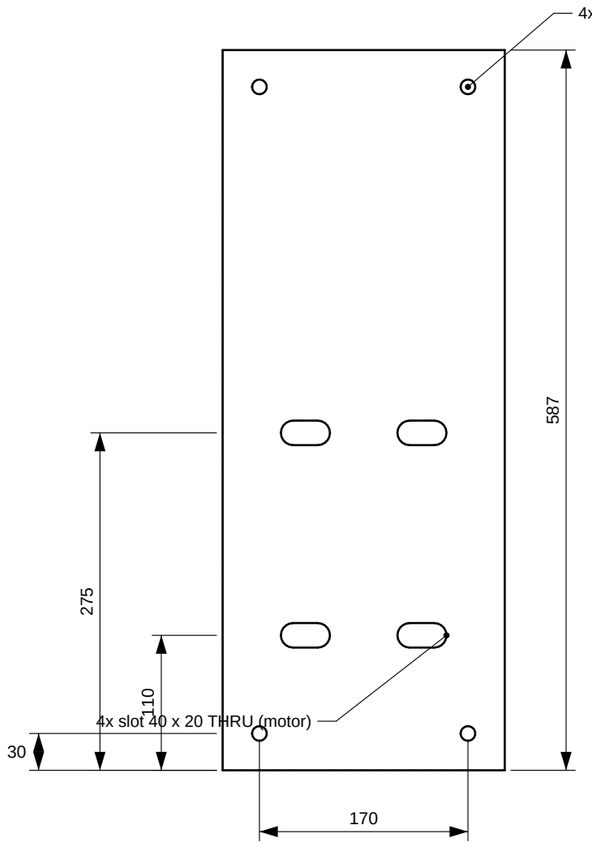
Path2 path2.io · generated from cell builder parameters

ITEM 6: SUPPORT ANGLE 43X43X4 X 598 LG

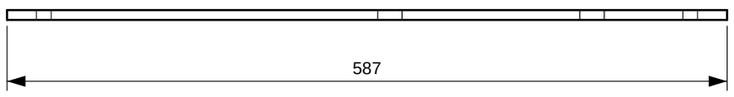
Roller conveyor – detail

CONCEPT – VERIFY BEFORE MANUFACTURE

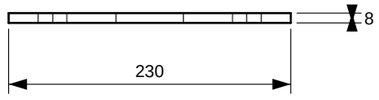
DRAWING NO	**P2-CONVEYOR-3200X600X750/06**
SCALE	**1:5 @ A3**
UNITS	**mm Third angle**
FINISH	**RAL 9005 black**
DATE	**2026-11-26**
SHEET	**7 of 10**



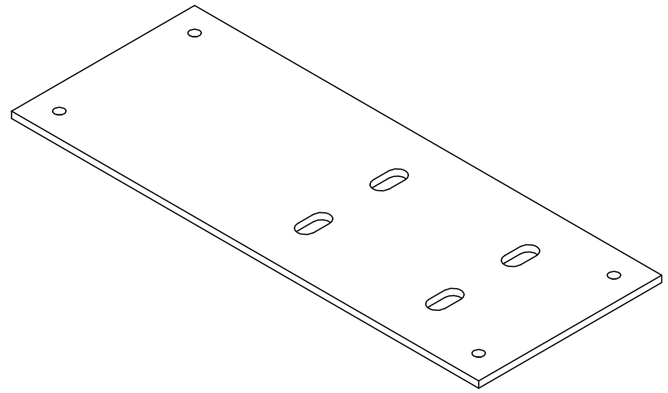
PLAN VIEW



END VIEW (FROM LEFT)



FRONT VIEW



ISOMETRIC VIEW (NOT TO SCALE)

NOTES

1. Bolts across the outer faces of the drive-end leg pair, top level with the leg tops: 2x Ø12 into each leg web (drill legs to suit).
2. Slots run vertically when fitted, for chain tension; set from the drive-side end. Gearmotor chosen at build, not modelled.
3. Deburr all edges. Dimensions mm. Do not scale.
4. Powder coat after welding/machining; mask threads and machined faces.

QTY PER ASSEMBLY	1
STOCK	Plate 8 thk
MATERIAL	S275JR steel (assumed)
FINISH	Powder coat RAL 9005 jet black, satin

Path2

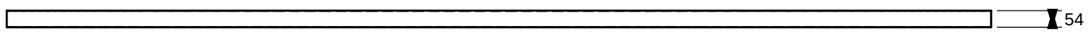
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ITEM 7: MOTOR PLATE 587 X 230 X 8

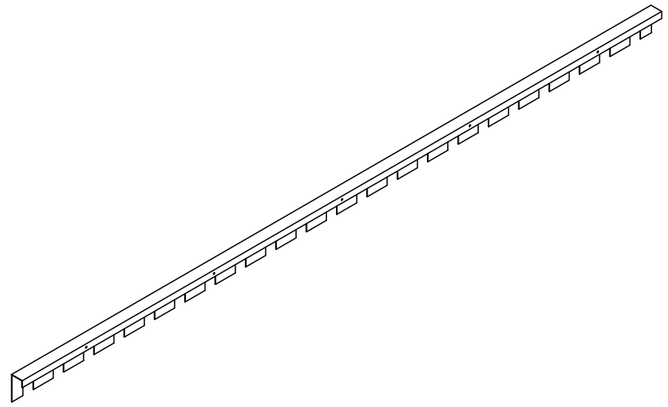
Roller conveyor – detail

CONCEPT – VERIFY BEFORE MANUFACTURE

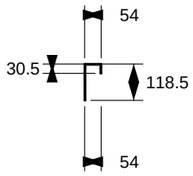
DRAWING NO	**P2-CONVEYOR-3200X600X750/07**
SCALE	**1:5 @ A3**
UNITS	**mm Third angle**
FINISH	**RAL 9005 black**
DATE	**2026-11-26**
SHEET	**8 of 10**



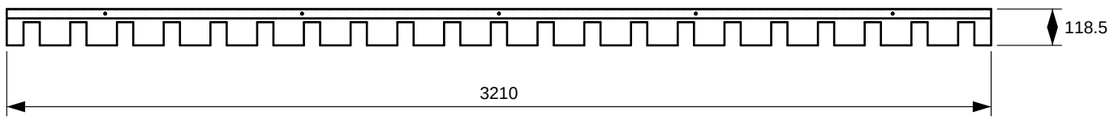
PLAN VIEW



ISOMETRIC VIEW (NOT TO SCALE)



END VIEW (FROM LEFT)



FRONT VIEW

NOTES

1. Fixed face to the drive-side beam, 5x Ø7 (M6).
2. Slots 53 wide at each roller.
3. End plates welded in both ends.
4. Deburr all edges. Dimensions mm. Do not scale.
5. Powder coat after welding/machining; mask threads and machined faces.

QTY PER ASSEMBLY	1
STOCK	Sheet 2 thk, folded 2x 90° up, inside radius 2
MATERIAL	S275JR steel (assumed)
FINISH	Powder coat RAL 9005 jet black, satin

Path2

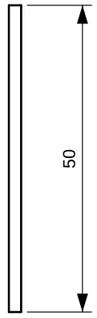
path2.io · generated from cell builder parameters

ITEM 8: CHAIN GUARD, 2 MM FOLDED X 3210 LG

Roller conveyor – detail

CONCEPT – VERIFY BEFORE MANUFACTURE

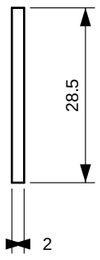
DRAWING NO	**P2-CONVEYOR-3200X600X750/08**
SCALE	**1:20 @ A3**
UNITS	**mm Third angle**
FINISH	**RAL 9005 black**
DATE	**2026-11-26**
SHEET	**9 of 10**



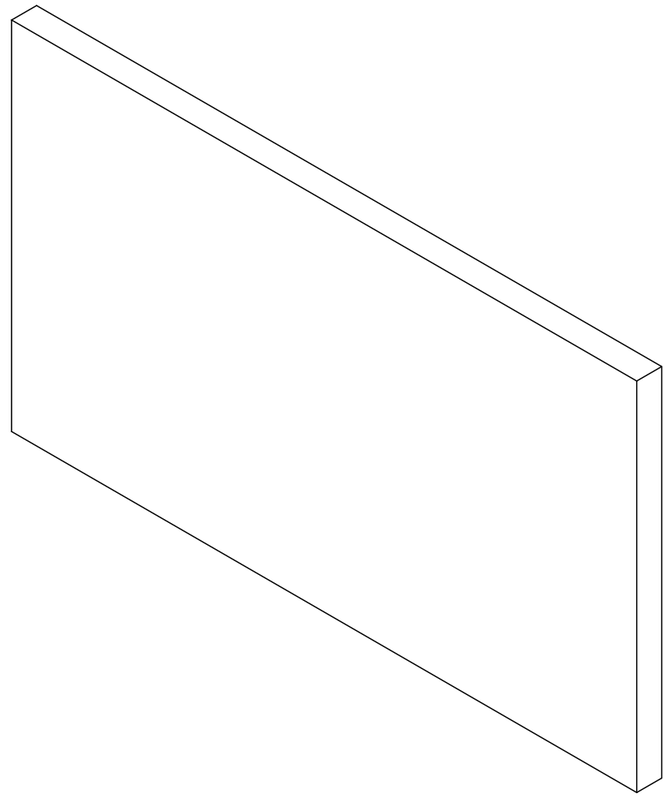
PLAN VIEW



END VIEW (FROM LEFT)



FRONT VIEW



ISOMETRIC VIEW (NOT TO SCALE)

NOTES

1. Welded into both ends of the chain guard, to its profile.
2. Deburr all edges. Dimensions mm. Do not scale.
3. Powder coat after welding/machining; mask threads and machined faces.

QTY PER ASSEMBLY	2
STOCK	Sheet 2 thk
MATERIAL	S275JR steel (assumed)
FINISH	Powder coat RAL 9005 jet black, satin

Path2 path2.io · generated from cell builder parameters

ITEM 9: GUARD END PLATE 50 X 28.5 X 2

Roller conveyor – detail

CONCEPT – VERIFY BEFORE MANUFACTURE

DRAWING NO	**P2-CONVEYOR-3200X600X750/09**
SCALE	**1:1 @ A3**
UNITS	**mm Third angle**
FINISH	**RAL 9005 black**
DATE	**2026-11-26**
SHEET	**10 of 10**