



Architectural Testing

PERFORMANCE TEST REPORT

Report No.: C9661.01-109-18

Rendered to:

HÖRMANN FLEXON LLC
Burgettstown, Pennsylvania

PRODUCT TYPE: Rolling Aluminum Slat Door
SERIES/MODEL: Speed Guardian 4000 U

This report contains in its entirety:

Cover Page: 1 page
Report Body: 11 pages
Sketches: 3 pages
Photograph: 1 page
Drawings: 8 pages



Michael D. Stremmel
Digitally Signed by: Michael D. Stremmel

2014.09.09 11:59:32 -04'00'

Test Date(s): 09/24/2013

Through: 06/18/2014

Revision 2: 09/09/2014

Report Date: 07/29/2014

Test Record Retention End Date: 06/18/2018

1.0 Report Issued To: Hörmann Flexon LLC
High Performance Doors
Starpointe Business Park
117 Starpointe Boulevard
Burgettstown, Pennsylvania 15021-9506

2.0 Test Laboratory: Architectural Testing, Inc.
130 Derry Court
York, Pennsylvania 17406-8405
717-764-7700

3.0 Project Summary:

3.1 Product Type: Rolling Aluminum Slat Door

3.2 Series/Model: Speed Guardian 4000 U

3.3 Compliance Statement: Results obtained are tested values and were secured by using the designated test method(s). The specimen(s) tested met the performance requirements set forth in the referenced test procedures for a ± 2394 Pa (± 50.0 psf) Design Pressure with missile impacts corresponding to Missile Level D and Wind Zone IV.

3.4 Test Date(s): 09/24/2013 - 06/18/2014

3.5 Test Record Retention End Date: All test records for this report will be retained until June 18, 2018.

3.6 Test Location: Architectural Testing, Inc. test facility in York, Pennsylvania.

3.7 Test Specimen Source: The test specimen(s) were provided by the client. Representative samples of the test specimen(s) will be retained by Architectural Testing for a minimum of four years from the test completion date.

3.8 Drawing Reference: The test specimen drawings have been reviewed by Architectural Testing and are representative of the test specimen(s) reported herein. Test specimen construction was verified by Architectural Testing per the drawings located in Appendix C. Any deviations are documented herein or on the drawings.

3.9 List of Official Observers:

<u>Name</u>	<u>Company</u>
Eric M. Brennan	Architectural Testing, Inc.
Aaron A. Shulz	Architectural Testing, Inc.
Michael D. Stremmel, P.E.	Architectural Testing, Inc.
Scott Gill	Architectural Testing, Inc.

4.0 Test Specification(s):

ASTM E 1886-05, *Standard Test Method for Performance of Exterior Windows, Curtain Walls, Doors, and Impact Protective Systems Impacted by Missile(s) and Exposed to Cyclic Pressure Differentials*

ASTM E 1996-12, *Standard Specification for Performance of Exterior Windows, Curtain Walls, Doors, and Impact Protective Systems Impacted by Windborne Debris in Hurricanes*

ASTM E 330-02, *Test Method for Structural Performance of Exterior Windows, Curtain Walls and Doors by Uniform Static Air Pressure Difference.*

ANSI/DASMA 108-2005, *Standard Method for Testing Sectional Garage Doors and Rolling Doors: Determination of Structural Performance Under Uniform Static Air Pressure Difference.*

5.0 Test Specimen Description:

5.1 Product Sizes:

Test Specimens #1 - #3:

Overall Area: 11.9 m ² (128.0 ft ²)	Width		Height	
	millimeters	inches	millimeters	inches
Overall size	4877	192	2438	96
Panel size	4877	192	248	9-3/4

5.2 Frame Construction:

Frame Member	Material	Description
Roller track	Aluminum	Extruded
Roller track retaining angle	Steel	Extruded, secured to the roller track using a M5X20 hex head screw, 3" from each end and spaced 12" on center

5.0 Test Specimen Description: (Continued)

5.3 Panel Construction:

Panel Member	Material	Description
All	Aluminum	Extruded, 8" wide

	Joinery Type	Detail
All panels	Tongue and groove	Panels were assembled using a vinyl hinged bracket 60" from each end, secured to each panel using two M4.2X13 machine screws

5.4 Weatherstripping:

Description	Quantity	Location
0.600" backed custom shaped hollow vinyl bulb seal with fins	1 Row	Bottom rail of bottom panel
Kerf-mounted vinyl flap seal	1 Row	Jamb covers
Kerf-mounted vinyl flap seal	1 Row	Snap on (male) end of each panel

5.5 Hardware:

Description	Quantity	Location
Rollers	22	One at each end of each panel
Chain and gear	1	Right side jamb

5.6 Reinforcement:

Drawing Number	Location	Material
SG4000 U.314	All lower panels hollow of each panel	Aluminum

6.0 Installation:

The specimen was installed into a steel/concrete chamber. The rough opening allowed for a 0" shim space.

Location	Anchor Description	Anchor Location
Right jamb guide (16" x 16") concrete column	3/4" x 7" Hilti Kwik Bolt	3" from each end and spaced 18" on center
Left jamb guide (12" x 12" x 3/8") steel tube	1/4" fillet welds	3" from each end and spaced 12" on center

7.0 Test Results: The results are tabulated as follows:

The temperature during the ASTM E330 / ANSI/DASMA 108 testing was 16°C (62°F)

Title of Test	Results	Observations	Note
Uniform Load Deflection per ASTM E 330 taken at the center of the door			
Deflection at +2394 Pa (+50.0 psf)	149.4 mm (5.88")	Door was fully operable upon completion of design load	1, 2
Deflection at -2394 Pa (-50.0 psf)	148.8 mm (5.86")	Door was fully operable upon completion of design load	1, 2
Uniform Load Structural per ASTM E 330 taken at the center of the door			
Permanent Set at +3591 Pa (+75.0 psf)	<0.3 mm (<0.01")	Door was fully operable upon completion of test load	1, 2, 3
Permanent Set at -3591 Pa (-75.0 psf)	0.8 mm (0.03")	Door was fully operable upon completion of test load	1, 2, 3

General Note: All testing was performed in accordance with the referenced standard(s).

Note 1: Loads were held for 10 seconds.

Note 2: Tape and film were used to seal against air leakage during structural testing. In our opinion, the tape and film did not influence the results of the test.

Note 3: At completion of the load test, the specimen met the Pass/Fail Criteria of ANSI/DASMA 108.

7.0 Test Results: (Continued)

ASTM E 1886, *Large Missile Impact*

Conditioning Temperature: 17°C (62°F)

Missile Weight: 4178 g (9.21 lbs)

Missile Length: 2.5 m (8' 4")

Muzzle Distance from Test Specimen: 5.2 m (17' 0")

Test Unit #1: Orientation within $\pm 5^\circ$ of horizontal

Impact #1: Missile Velocity: 15.1 m/s (49.6 fps)	
Impact Area:	Center of specimen
Observations:	Missile hit target area, dented the panel, no penetration
Results:	Pass

Impact #2: Missile Velocity: 15.1 m/s (49.6 fps)	
Impact Area:	Top right corner of specimen
Observations:	Missile hit target area, dented the panel, no penetration
Results:	Pass

Note: See Architectural Testing Sketch #1 for impact locations.

Test Unit #2: Orientation within $\pm 5^\circ$ of horizontal

Impact #1: Missile Velocity: 15.4 m/s (50.6 fps)	
Impact Area:	Lower left corner of specimen
Observations:	Missile hit target area, dented the panel, no penetration
Results:	Pass

Impact #2: Missile Velocity: 15.3 m/s (50.1 fps)	
Impact Area:	Center of specimen
Observations:	Missile hit target area, dented the panel, no penetration
Results:	Pass

Note: See Architectural Testing Sketch #2 for impact locations.

7.0 Test Results: (Continued)

ASTM E 1886, *Large Missile Impact*

Conditioning Temperature: 27°C (80°F)

Missile Weight: 4178 g (9.21 lbs)

Missile Length: 2.5 m (8' 4")

Muzzle Distance from Test Specimen: 5.2 m (17' 0")

Test Unit #3: Orientation within $\pm 5^\circ$ of horizontal

Impact #1: Missile Velocity: 15.2 m/s (49.8 fps)	
Impact Area:	Top right corner of specimen
Observations:	Missile hit target area, dented the panel, no penetration
Results:	Pass

Impact #2: Missile Velocity: 15.1 m/s (49.5 fps)	
Impact Area:	Center of specimen
Observations:	Missile hit target area, dented the panel, no penetration
Results:	Pass

Note: See Architectural Testing Sketch #3 for impact locations.

7.0 Test Results: (Continued)

ASTM E 1886, Air Pressure Cycling

Test Unit #1

Design Pressure: ± 2394 Pa (± 50.0 psf)

POSITIVE PRESSURE

Pressure Range Pa (psf)	Number of Cycles	Average Cycle Time (seconds)	Observations
479 to 1197 (10.0 to 25.0)	3500	6.30	No damage observed
0 to 1436 (0 to 30.0)	300	6.90	No damage observed
1197 to 1915 (25.0 to 40.0)	600	5.50	No damage observed
718 to 2394 (15.0 to 50.0)	100	5.70	No damage observed

NEGATIVE PRESSURE

Pressure Range Pa (psf)	Number of Cycles	Average Cycle Time (seconds)	Observations
718 to 2394 (15.0 to 50.0)	50	3.50	No damage observed
1197 to 1915 (25.0 to 40.0)	1050	3.30	No damage observed
0 to 1436 (0 to 30.0)	50	3.30	No damage observed
479 to 1197 (10.0 to 25.0)	3350	3.40	No damage observed

Result: Pass

7.0 Test Results: (Continued)

ASTM E 1886, Air Pressure Cycling

Test Unit #2

Design Pressure: ± 2394 Pa (± 50.0 psf)

POSITIVE PRESSURE

Pressure Range Pa (psf)	Number of Cycles	Average Cycle Time (seconds)	Observations
479 to 1197 (10.0 to 25.0)	3500	4.10	No damage observed
0 to 1436 (0 to 30.0)	300	6.20	No damage observed
1197 to 1915 (25.0 to 40.0)	600	3.40	No damage observed
718 to 2394 (15.0 to 50.0)	100	5.70	No damage observed

NEGATIVE PRESSURE

Pressure Range Pa (psf)	Number of Cycles	Average Cycle Time (seconds)	Observations
718 to 2394 (15.0 to 50.0)	50	4.90	No damage observed
1197 to 1915 (25.0 to 40.0)	1050	4.70	No damage observed
0 to 1436 (0 to 30.0)	50	5.10	No damage observed
479 to 1197 (10.0 to 25.0)	3350	4.30	No damage observed

Result: Pass

7.0 Test Results: (Continued)

ASTM E 1886, Air Pressure Cycling

Test Unit #3

Design Pressure: ± 2394 Pa (± 50.0 psf)

POSITIVE PRESSURE

Pressure Range Pa (psf)	Number of Cycles	Average Cycle Time (seconds)	Observations
479 to 1197 (10.0 to 25.0)	3500	6.00	No damage observed
0 to 1436 (0 to 30.0)	300	6.70	No damage observed
1197 to 1915 (25.0 to 40.0)	600	6.10	No damage observed
718 to 2394 (15.0 to 50.0)	100	8.10	No damage observed

NEGATIVE PRESSURE

Pressure Range Pa (psf)	Number of Cycles	Average Cycle Time (seconds)	Observations
718 to 2394 (15.0 to 50.0)	50	5.00	No damage observed
1197 to 1915 (25.0 to 40.0)	1050	3.70	No damage observed
0 to 1436 (0 to 30.0)	50	5.80	No damage observed
479 to 1197 (10.0 to 25.0)	3350	3.50	No damage observed

Result: Pass

General Note: Upon completion of testing, the specimens met the requirements of Section 7 of ASTM E 1996.

8.0 Test Equipment:

Cannon: Constructed from steel piping utilizing compressed air to propel the missile

Missile: 2x4 Southern Pine

Timing Device: Electronic Beam Type

Cycling Mechanism: Computer controlled centrifugal blower with electronic pressure measuring device

Deflection Measuring Device: Linear transducers

Tape and film were used to seal against air leakage during structural testing. In our opinion, the tape and film did not influence the results of the test.

Architectural Testing will service this report for the entire test record retention period. Test records such as detailed drawings, datasheets, representative samples of test specimens, or other pertinent project documentation, will be retained by Architectural Testing, Inc. for the entire test record retention period.

This report does not constitute certification of this product nor an opinion or endorsement by this laboratory. It is the exclusive property of the client so named herein and relates only to the specimen(s) tested. This report may not be reproduced, except in full, without the written approval of Architectural Testing, Inc.

For ARCHITECTURAL TESTING, Inc.



Digitally Signed by: Scott Gill

Scott Gill
Senior Technician



Digitally Signed by: Michael D. Stremmel

Michael D. Stremmel, P.E.
Senior Project Engineer

SG:asm

Attachments (pages): This report is complete only when all attachments listed are included.

Appendix-A: Sketch(es) (3)

Appendix-B: Photograph(s) (1)

Appendix-C: Drawing(s) (8)

Revision Log

<u>Rev. #</u>	<u>Date</u>	<u>Page(s)</u>	<u>Revision(s)</u>
1	08/13/14	Page 2	5.1 Product Sizes: Added panel size
		Appendix-C: Drawings	Added additional drawing to drawings packet
2	09/09/14	Cover page, Page 1	Changed product type from Rolling Steel Slat Door to Rolling Aluminum Slat Door

Appendix A

Sketch(es)

REV	DATE	DESCRIPTION	BY

#2 ⊗
⊗ #1

REV	DATE	DESCRIPTION	BY

#1 ⊗
⊗ #2

Appendix B
Photograph(s)



Photo No. 1
View of Test Door

Appendix C

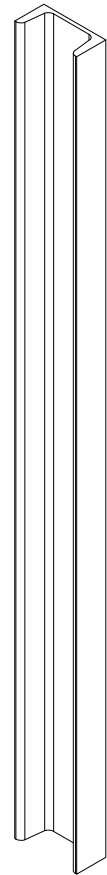
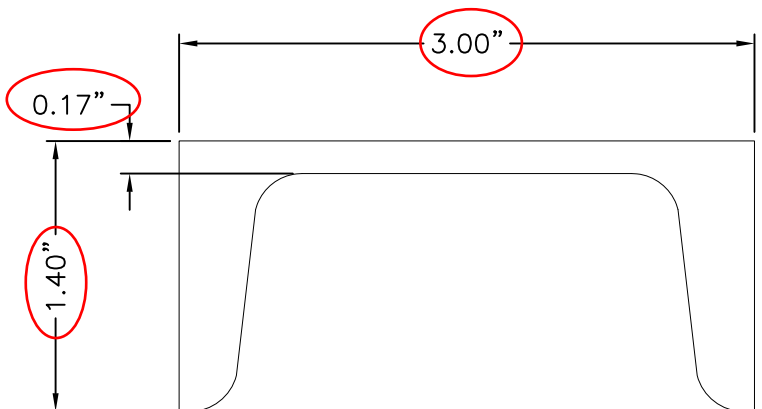
Drawing(s)



Report #: C9661.01-109-44
 Date: 07/24/14
 Verified by: *Scott Hill*

MATERIAL

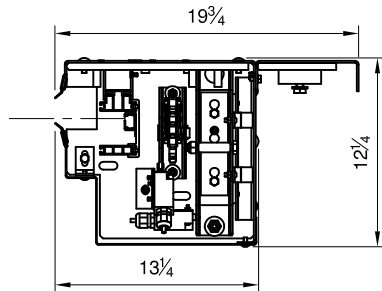
ALUMINUM 6030



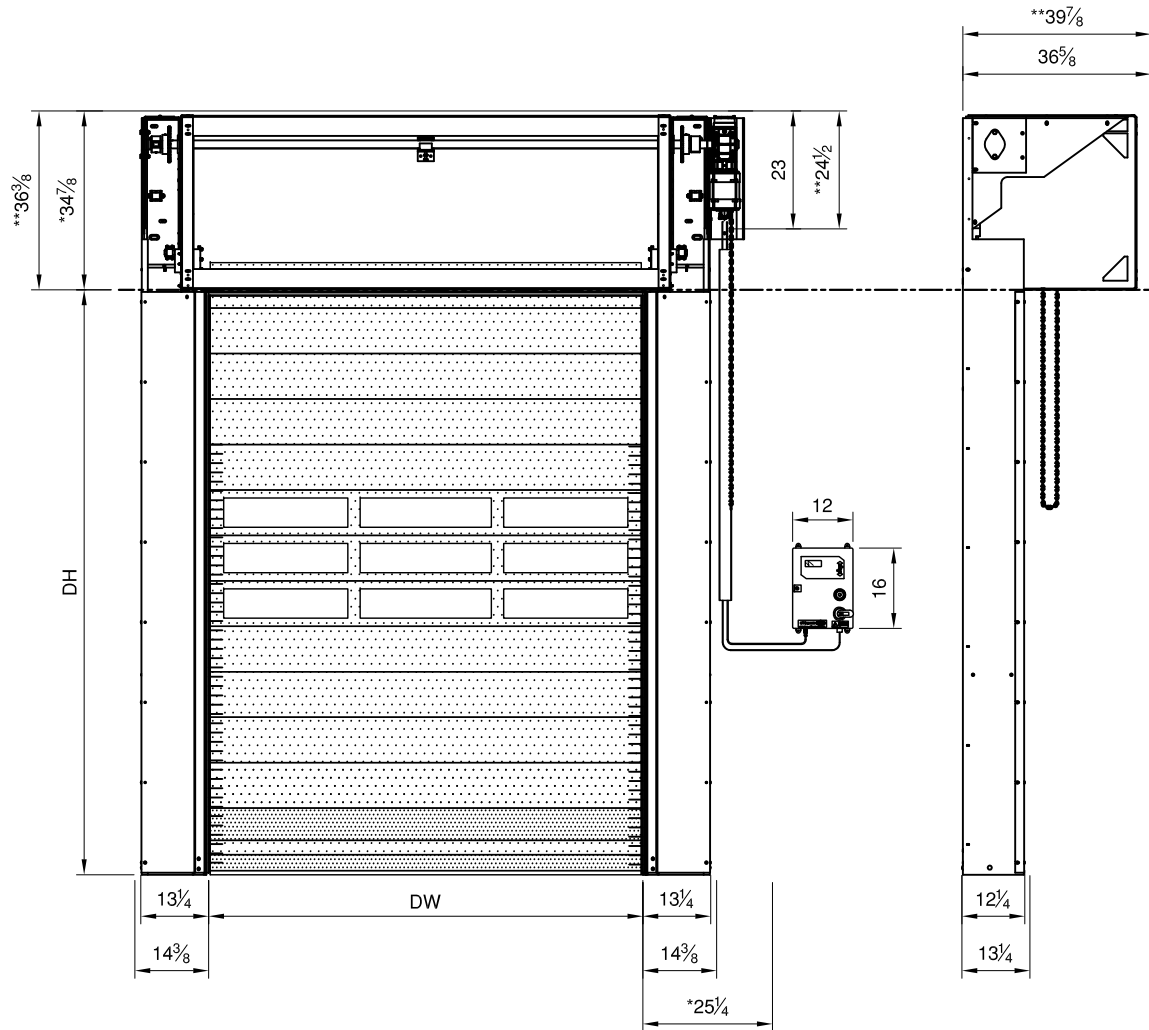
GENERAL TOLERANCES ACC. TO DIN ISO 2768-mK PLASTIC MOLDED PARTS ACC. TO DIN 16901-130 GEOMETRICAL TOLERANCES ACC. TO DIN ISO 1101				 HÖRMANN FLEXON LLC STARPOINTE BUSINESS PARK 117 STARPOINTE BOULEVARD BURGETTSTOWN, PA 15021-9506 PH: 724.385.9150 FAX: 724.385.9151 www.hormann-flexon.com		
REV.	DESCRIPTION	DATE	BY	TITLE: HURRICANE DOOR		
-	-	-	-	MODEL:	SG4000	PART #: SG-135
-	-	-	-	DRAWING #:	SG4000 U.314	PAPER SIZE: ANSI "A"
-	-	-	-	PAGE:	1 OF 1	SCALE: N.T.S.
0	FABRICATION	7/21/14	PTF	QTY: -	ENGINEER: PTF	DRAWN: 7-21-14

MODEL: SPEED GUARDIAN 4000 U
 CUSTOMER: -
 ADDRESS: -
 CITY & STATE: -
 JOB: -
 LOCATION: -
 COMPANY: -

SIZE: DW= - DH= -
 MOTOR LOCATION: RIGHT LEFT
 CONTROL BOX LOCATION: RIGHT LEFT
 VOLTAGE: 200-240V 360-480V
 WIRING: HARD WIRED SMART START
 VISION AREA:
 # OF VISION PANELS: - STARTING AT -"
 # OF PERFORATED PANELS: - STARTING AT -"
 OPTIONS:
 1 BUTTON PUSH STATION -
 INDUCTION LOOP SYSTEM -
 RADAR MOTION SENSOR -
 NOTES:



TRACK DETAIL
3:1



Architectural Testing

Report #: C9661.01-109-44

Date: 07/24/14

Verified by: *Scott Hill*

ALL DIMENSIONS ARE IN INCHES.
 *NECESSARY SPACE REQUIREMENT FOR MAINTENANCE.
 **USE THIS DIMENSION ONLY WHEN DH IS GREATER THAN 197"
 CONTROL BOX PROJECTION IS 6 INCHES.
 DRAWING SHOWN RIGHT HAND, LEFT HAND OPPOSITE.



HÖRMANN FLEXON LLC
 STARPOINTE BUSINESS PARK
 117 STARPOINTE BOULEVARD
 BURGETTSTOWN, PA 15021-9506
 PH: 724.385.9150 FAX: 724.385.9151
 www.hormann-flexon.com

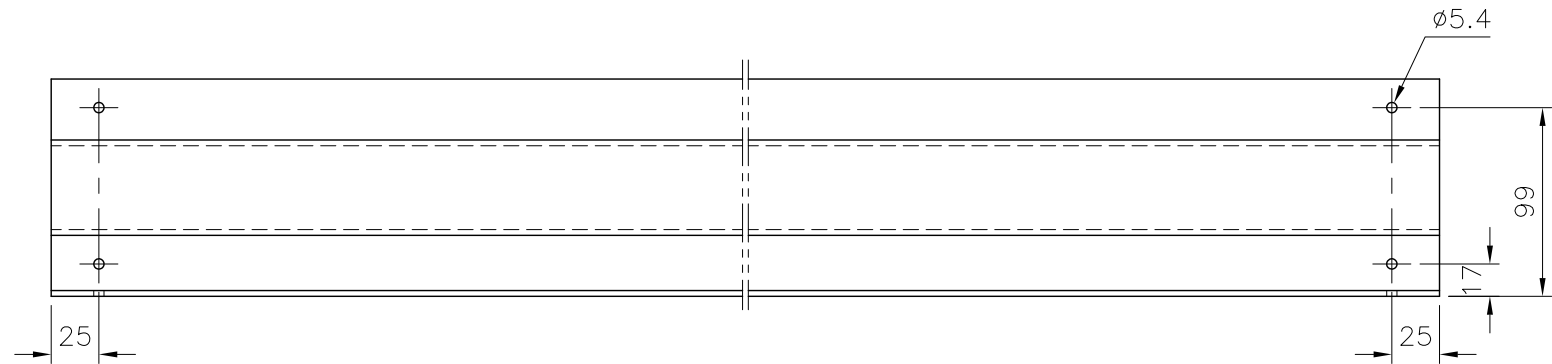
HIGH PERFORMANCE DOOR SPECIFICATIONS

MODEL: SPEED GUARDIAN 4000 U

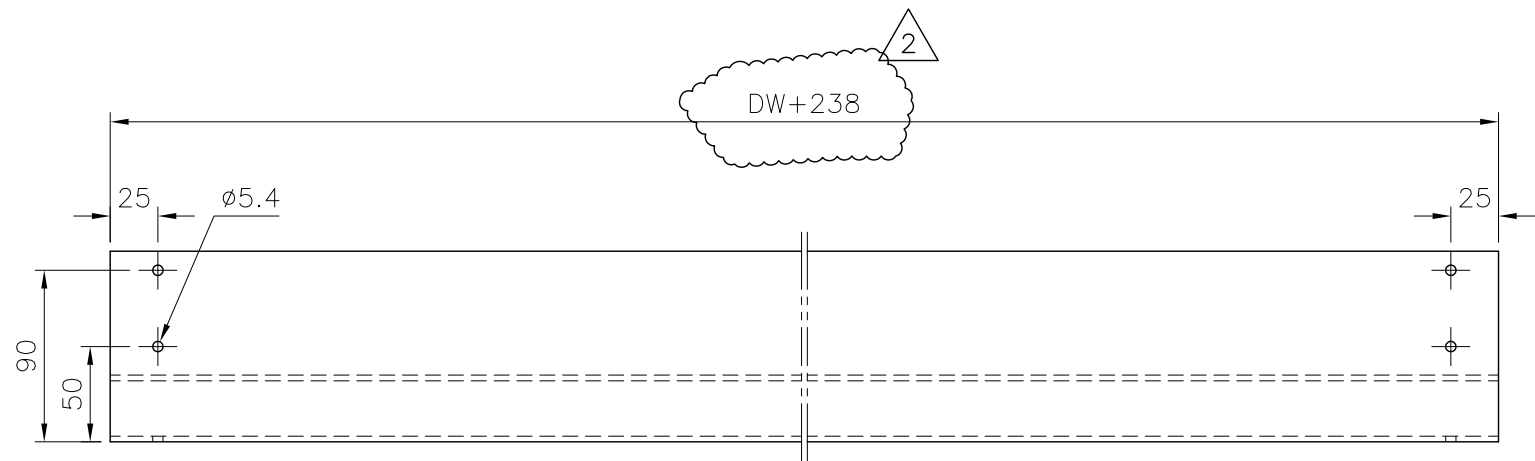
DRAWN: CJ DATE: 4/28/2011

WE RESERVE THE RIGHT TO CHANGE SPECIFICATIONS WITHOUT NOTICE

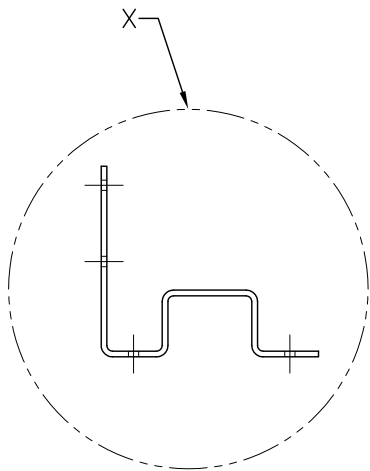
MATERIAL
11 GA. GALVANIZED



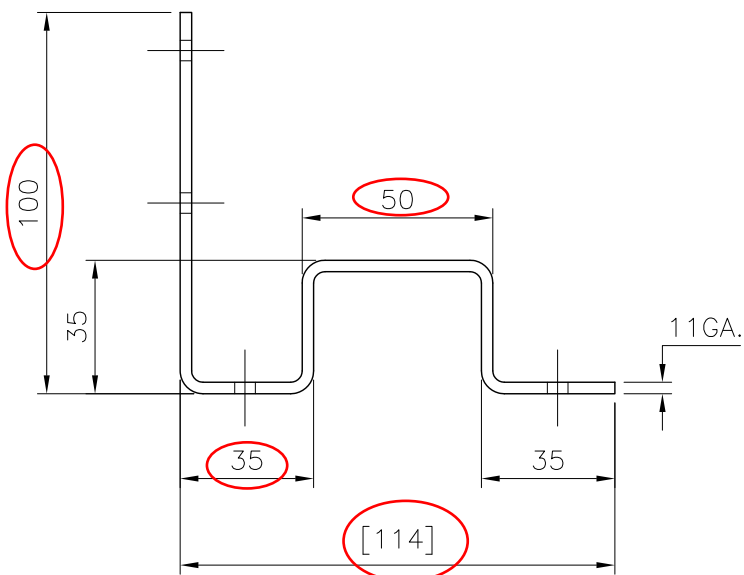
TOP



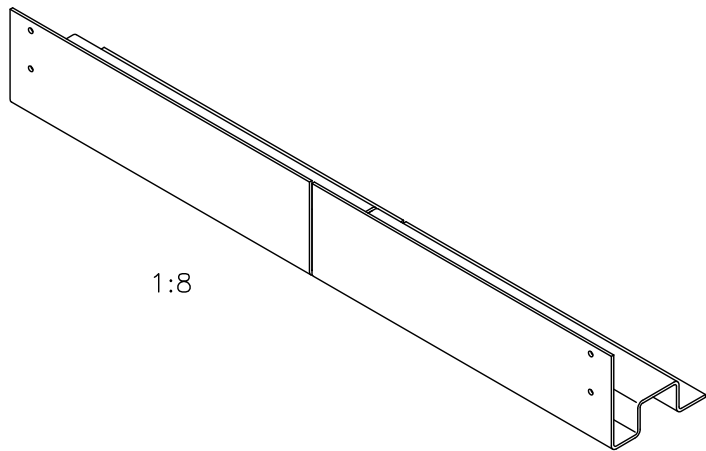
FRONT



RIGHT



DETAIL 'X'
1:2



1:8

NOTE:
1. QTY. (2) REQ'D PER DOOR.



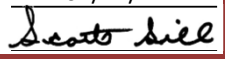
Report #:

C9661.01-109-44

Date:

07/24/14

Verified by:



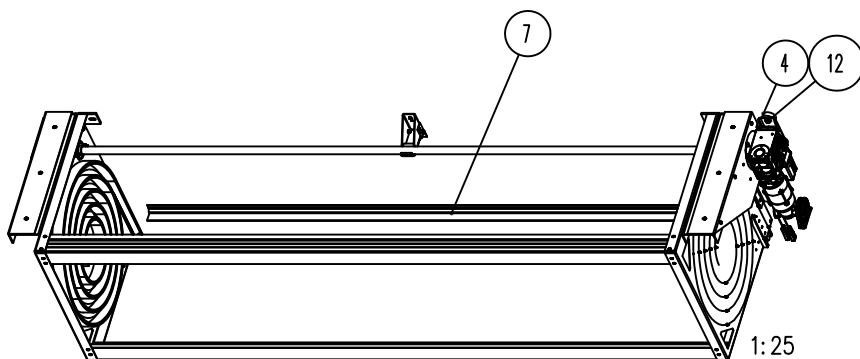
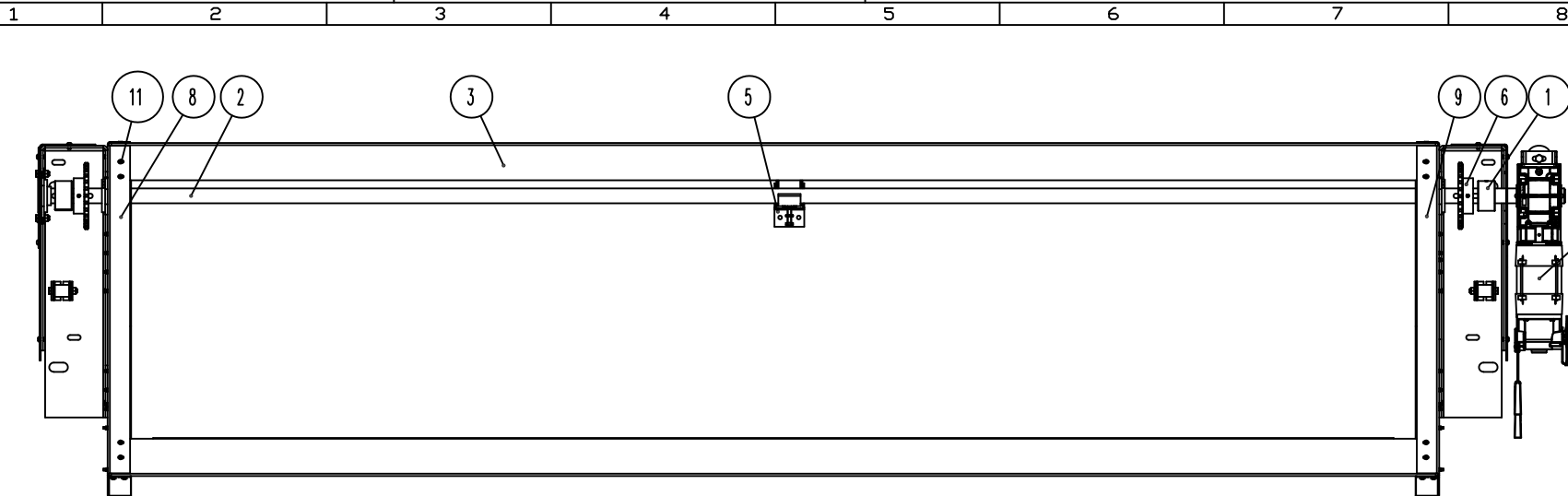
GENERAL TOLERANCES ACC. TO DIN ISO 2768-mK
PLASTIC MOLDED PARTS ACC. TO DIN 16901-130
GEOMETRICAL TOLERANCES ACC. TO DIN ISO 1101

REV.	DESCRIPTION	DATE	BY
-	-	-	-
2	REV'D FORMULA AS NOTED	3-30-11	CJ
1	REMOVED HOOD MTG HOLES	11-8-10	CJ
0	FABRICATION	7-16-10	CJ

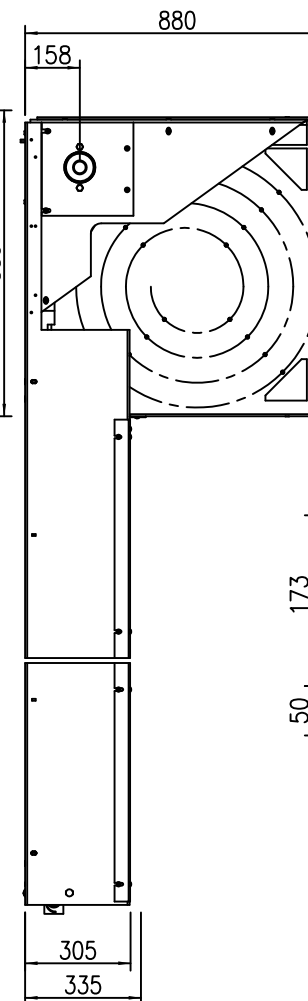
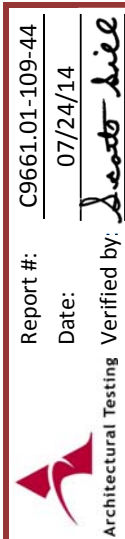


BUNCHER COMMERCE PARK
AVENUE-C, BUILDING-20A
LEETSDALE, PA., 15056

TITLE: HAT PROFILE			
MODEL:	SG4000 U	PART #:	015165
DRAWING #:	SG4000 U.101	PAPER SIZE:	ANSI "B"
PAGE:	1 OF 1	SCALE:	1:4
ENGINEER:	-	DRAWN:	7-16-10



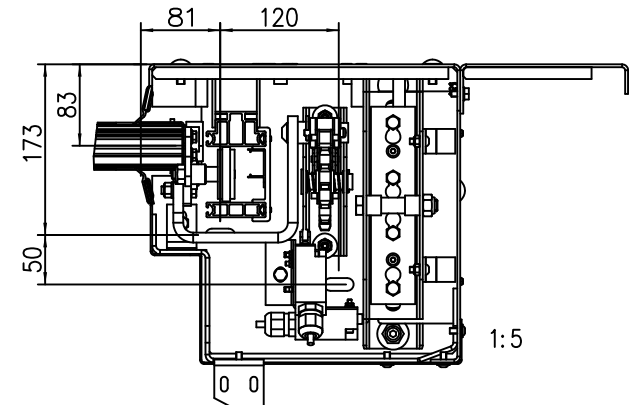
12	2	280300	Sechskantschraube DIN 933M12x45 Hexagon screw DIN 933M12x45	DIN933-M12X45			
11	16	010698	Senkkopfschraube DIN7500 M6x12	DIN7500-1-6-M6X12			
10	1		Antrieb mit Haspelkette	014551_HASPEL_R			
9	1		Oberteil Spirale Antrieb re kplLH>5000&LH<=6000	41-000-008-836			
8	1		Oberteil Spirale Lager li kplLH>5000&LH<=6000	41-000-008-835			
7	1		BaugruppeSturzbürste	41-000-008-820			
6	2		Kettenrad mit Gewindestift Sprocket with grub screw	41-000-008-333			
5	1		Abstützung Welle kpl	41-000-008-327			
4	2	015269	DistanzstückDa70D112.5x23 PA	41-000-008-312			
3	2	015165	Verstärkungsprofil	41-000-007-919			
2	1	015756	Antriebswelle Drive shaft	41-000-007-685			
1	2		BaugruppeGurtklemmrolle Ø80 Construction groupbelt clip roller Ø 80	41-000-006-175			
Pos. Stck. / Piece Art.-Nr. Benennung / Title				Zeichn.-Nr. / Drawing Nr.			
Allgemeintoleranzen nach DIN ISO 2768-mK General tolerances acc. to DIN ISO 2768-mK			Datum Date	Name Name	Maßstab Scale 1:1000	Werkstoff Material	Gewicht Weight 212.727 kg
Kunststoff-Formteile nach DIN 16901-130 Plastic moulded parts acc. to DIN 16901-130		Bearb. Drawn	24.06.2009	DN	Oberfläche Surface	Farbe Oberfläche Colour Surface	
Form- u. Lagertoleranzen nach DIN ISO 1101 Geometrical tolerances acc. to DIN ISO 1101		Gepr. Checked			Benennung Title		
			Schutzvermerk DIN ISO 16016 beachten Observe protection mark DIN ISO 16016		Oberteil kpl		
			Alle Maße in Millimeter All dimensions in millimetre		Antrieb rechtsLH>5000&LH<=6000		
			Tortyp RTS 4000 PU				
			SEUSTER		Zg. Nr./Draw. no. 41-000-008-062		
			SEUSTER KG LÜDENSCHIED		Kommission	Art. Nr.	Index -
Index	Änderung Modification	Datum Date	Name Name	Ers.f. Repl.for	Ers.d. Repl.by	Blatt Sheet 1/1	
						Format A3	



X 1:5

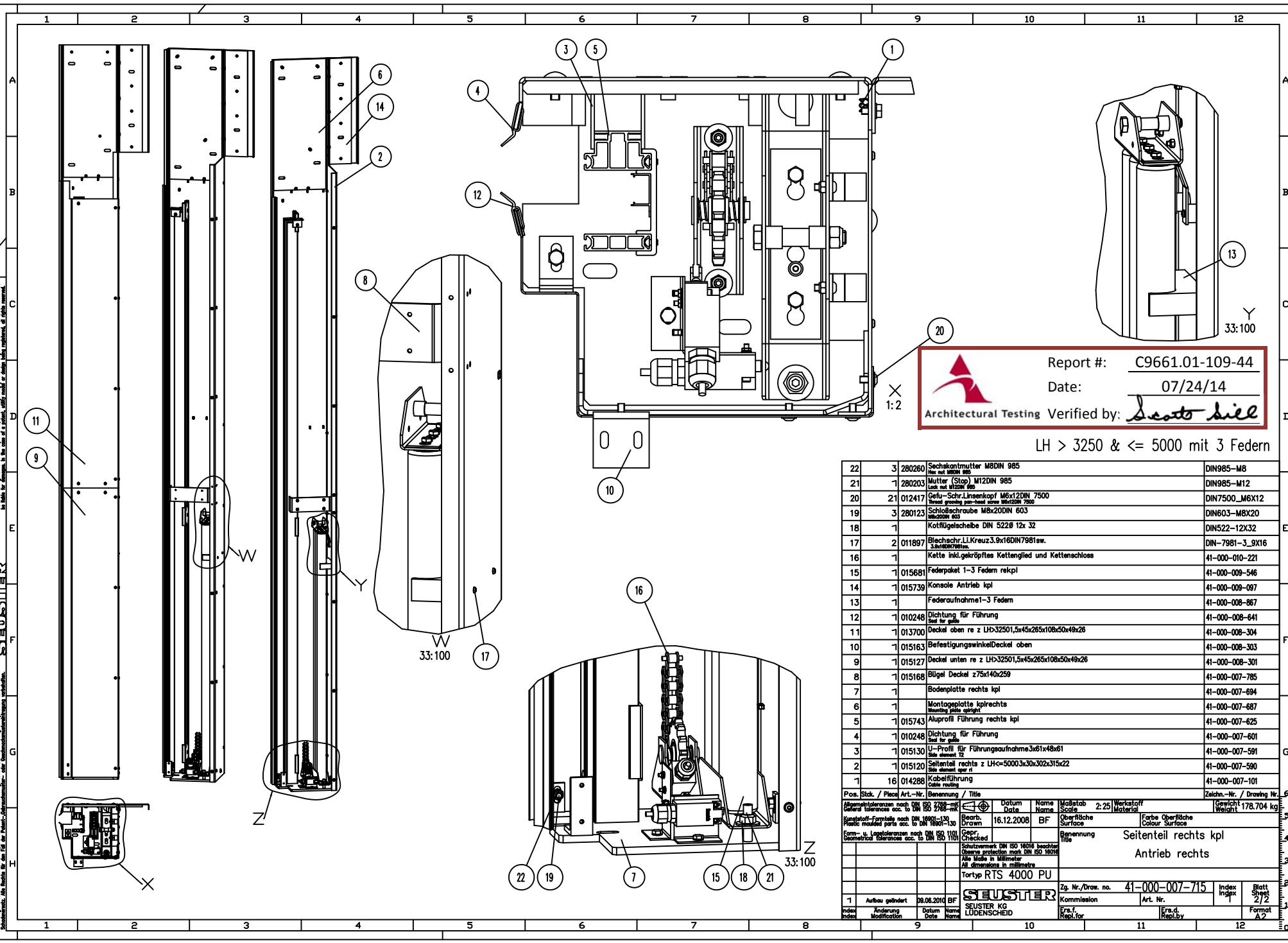
Befestigungspunkte für
Wellenstütze bitte
vorübergehend erfragen!!!
Fixing points for shaft
support please
temporarily inquire!!!

Ab LB>3315 eine Wellenstütze
=> mittig im oberen Bereich anordnen
W>3315 one shaft support
=> in the middle of the door arrange
Ab LB>5000 zwei Wellenstützen
=> gleichmäßig über die Breite verteilen!!!
W>5000 two shaft supports
=> evenly over the width distribute



- * Achtung: Befestigungspunkte liegen bei Verkleidung 40 mm höher!!!
- * Attention: If the door with cover, the fixing points are 40 mm more highly
- ** Benötigter Platzbedarf für Demontage Antrieb
- ** Necessary space requirement for disassembly the operator

Allgemeintoleranzen nach DIN ISO 2768-mK General tolerances acc. to DIN ISO 2768-mK			Datum Date	Name	Maßstab Scale	Werkstoff Material	Gewicht Weight
Kunststoffs-Formteile nach DIN 16901-130 Plastic moulded parts acc. to DIN 16901-130		Bearb. Drawn	28.09.2009	BF	Oberfläche Surface	Farbe Oberfläche Colour Surface	98987.835 kg
Form- u. Lagetoleranzen nach DIN ISO 1101 Geometrical tolerances acc. to DIN ISO 1101		Gepr. Checked			Benennung Title	Maßblatt LH<=5000	
			Schutzvermerk DIN ISO 16016 beachten Observe protection mark DIN ISO 16016				
			Alle Maße in Millimeter All dimensions in millimetre				
			Tortyp				
2	Maße geändert	23.07.2010	BF	 HORMANN Schnellaufreie	Zg. Nr./Draw. no.	41-000-007-720	Index Index
1	Wellenabstützung hinzu	02.07.2010	BF		Kommission	Art. Nr.	2
Index	Änderung Modification	Datum Date	Name	Ers.f. Repl.for	Ers.d. Repl.by		Format A3



Report #: C9661.01-109-44
 Date: 07/24/14
 Architectural Testing Verified by: *Seuster KG*

LH > 3250 & ≤ 5000 mit 3 Federn

22	3	280260	Sechskantmutter M8 DIN 985	DIN985-M8
21	1	280203	Mutter (Stop) M12 DIN 985	DIN985-M12
20	21	012417	Gefu-Schr.Linsenkopf M6x12 DIN 7500	DIN7500-M6X12
19	3	280123	Schloßschraube M8x20 DIN 603	DIN603-M8X20
18	1		Kotflügelchelle DIN 522 12x 32	DIN522-12X32
17	2	011897	Blechschr.LKreuz 3.9x16 DIN 7981sw.	DIN-7981-3_9X16
16	1		Kette inkl.gekröpftes Kettenglied und Kettenschloss	41-000-010-221
15	1	015681	Federpaket 1-3 Federn rekpl	41-000-008-546
14	1	015739	Konsole Antrieb kpl	41-000-009-097
13	1		Federaufnahme 1-3 Federn	41-000-008-867
12	1	010248	Dichtung für Führung	41-000-008-641
11	1	013700	Deckel oben re z LH>32501,5x45x265x108x50x49x26	41-000-008-304
10	1	015163	Befestigungswinkel/Deckel oben	41-000-008-303
9	1	015127	Deckel unten re z LH>32501,5x45x265x108x50x49x26	41-000-008-301
8	1	015168	Bügel/Deckel z 75x140x259	41-000-007-785
7	1		Bodenplatte rechts kpl	41-000-007-694
6	1		Montageplatte kpl/rechts	41-000-007-687
5	1	015743	Aluprofil Führung rechts kpl	41-000-007-625
4	1	010248	Dichtung für Führung	41-000-007-601
3	1	015130	U-Prof. für Führungsaufnahme 3x61x48x61	41-000-007-591
2	1	015120	Seitenteil rechts z LH<=5000 3x30x302x315x22	41-000-007-590
1	1	014288	Kabelführung	41-000-007-101

Pos./Stk. / Piece Art.-Nr. / Benennung / Title

1 1 Aufbau gebildet 09.06.2010 BF

SEUSTER KG LUDENSCHIED

Seitenteil rechts kpl

Antrieb rechts

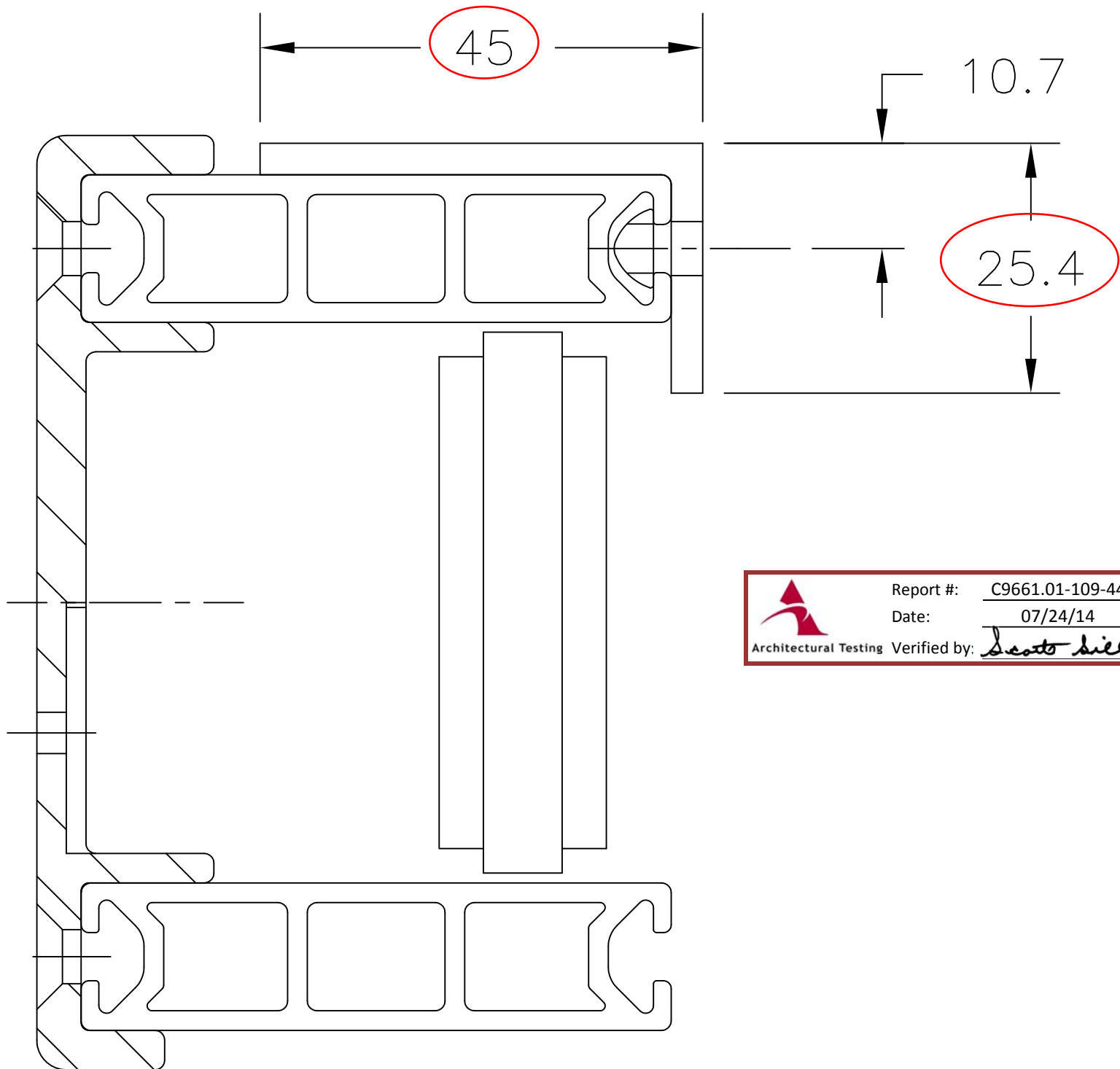
Tortyp RTS 4000 PU

Zg. Nr./Draw. no. 41-000-007-715

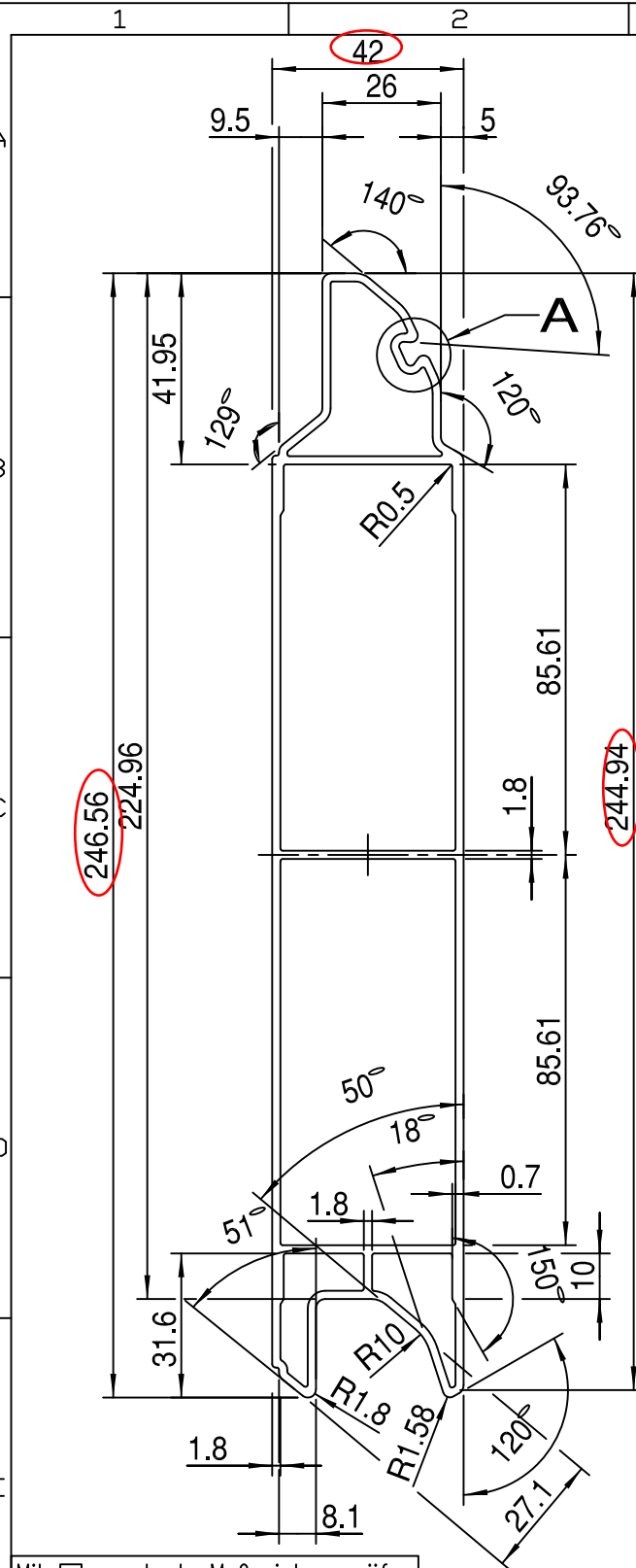
Index 1

Blatt 272

Format A2

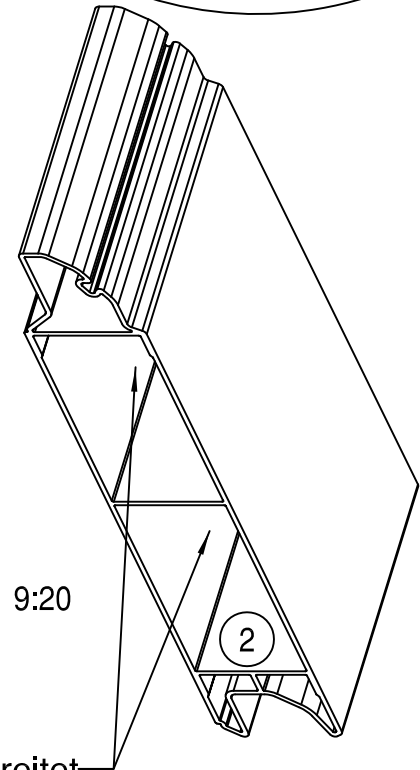


	Report #:	C9661.01-109-44
	Date:	07/24/14
	Verified by:	<i>Scott Hill</i>



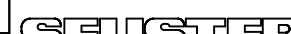
Fehlende Maße sind der Zeichnung (DXF) zu entnehmen!

Architectural Testing Verified by: *Architectural Testing*
 Report #: C9661.01-109-44
 Date: 08/13/14



Tasche vorbereitet zur Aufnahme einer Schallschutzfüllung

Mit ☐ umrahmte Maße intern prüfen

Allgemeintoleranzen nach DIN ISO 2768-mK General tolerances acc. to DIN ISO 2768-mK					Datum Date	Name Name	Maßstab 67:100 Scale	Werkstoff Material	AlMgSi0.5F22	Gewicht Weight	0.350 kg
Kunststoff-Formteile nach DIN 16901-130 Plastic moulded parts acc. to DIN 16901-130				Bearb. Drawn	08.02.2013	DN	Oberfläche Surface		Farbe Oberfläche Colour Surface		
Form- u. Lagetoleranzen nach DIN ISO 1101 Geometrical tolerances acc. to DIN ISO 1101				Gepr. Checked			Benennung Title				
				Schutzvermerk DIN ISO 16016 beachten Observe protection mark DIN ISO 16016			Alu-Paneele einteilig				
				Alle Maße in Millimeter All dimensions in millimetre							
				Tortyp RTS 4000 PU							
2	Stützsteg hinzu	15.02.2013		 SEUSTER KG LÜDENSCHIED			Zg. Nr./Draw. no. 41-000-008-453		Index Index 2	Blatt Sheet 1/1	
1	Steg hinzu	14.02.2013	DN				Kommission				Art. Nr.
Index	Änderung Modification	Datum Date	Name Name				Ers.f. Repl.for		Ers.d. Repl.by		Format A4

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