



2019 List of Asphalt Eligible Tyres



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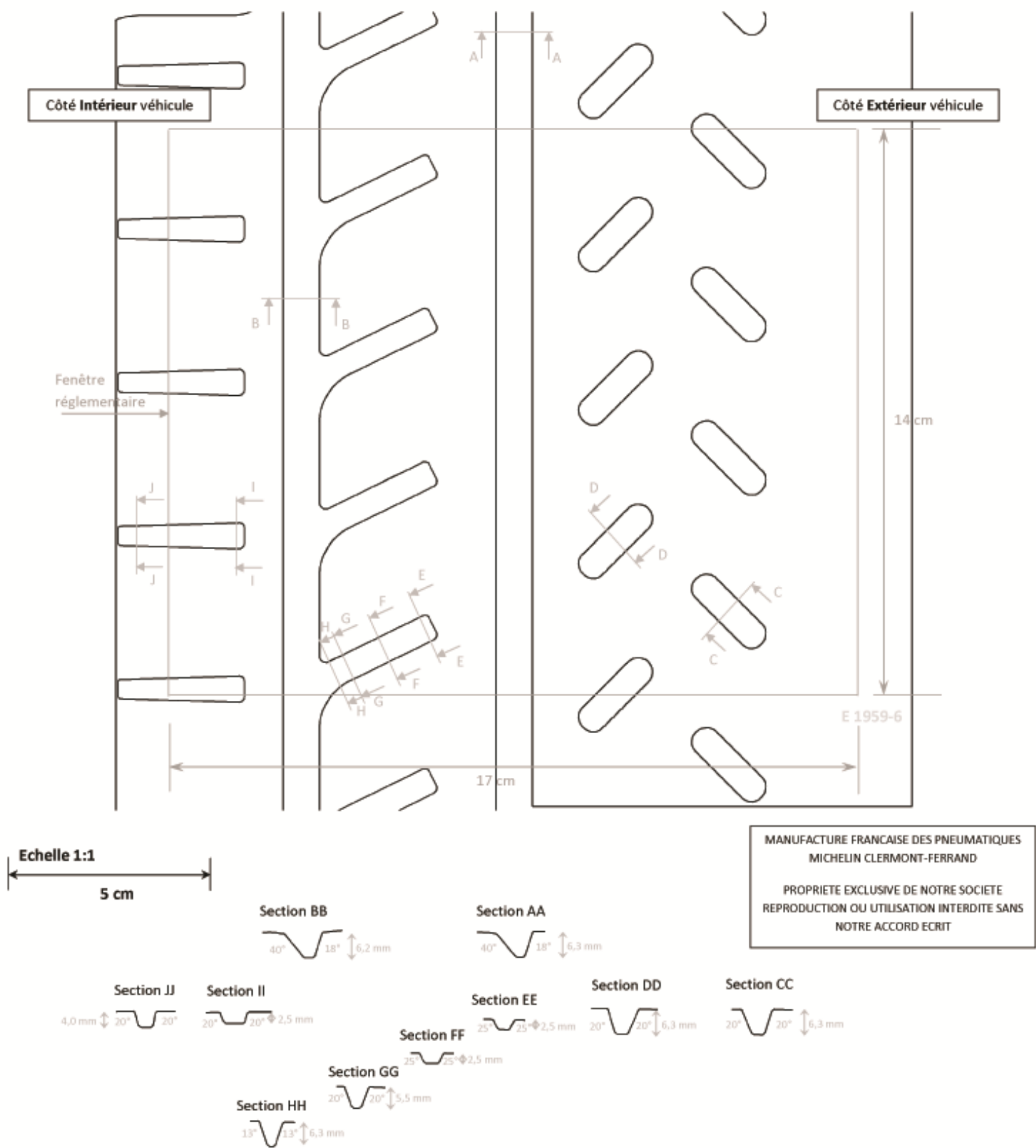


Page 57



Domaine : Rallye Asphalte
Dimension : 20 / 65 – 18
Plan de la sculpture : Pilot Sport R
Entaillement Surfamique dans fenêtre réglementaire : 21,51 %

Clermont-Ferrand le 05/12/2013

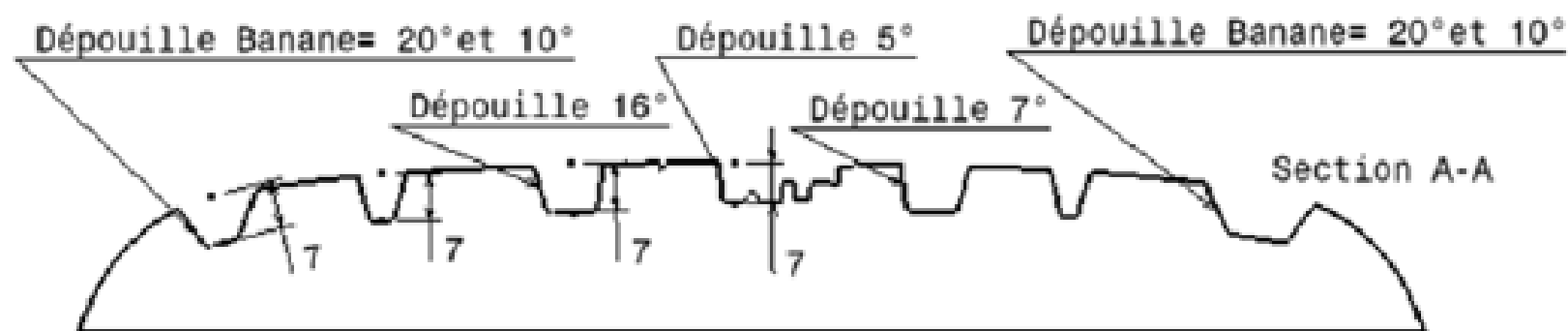
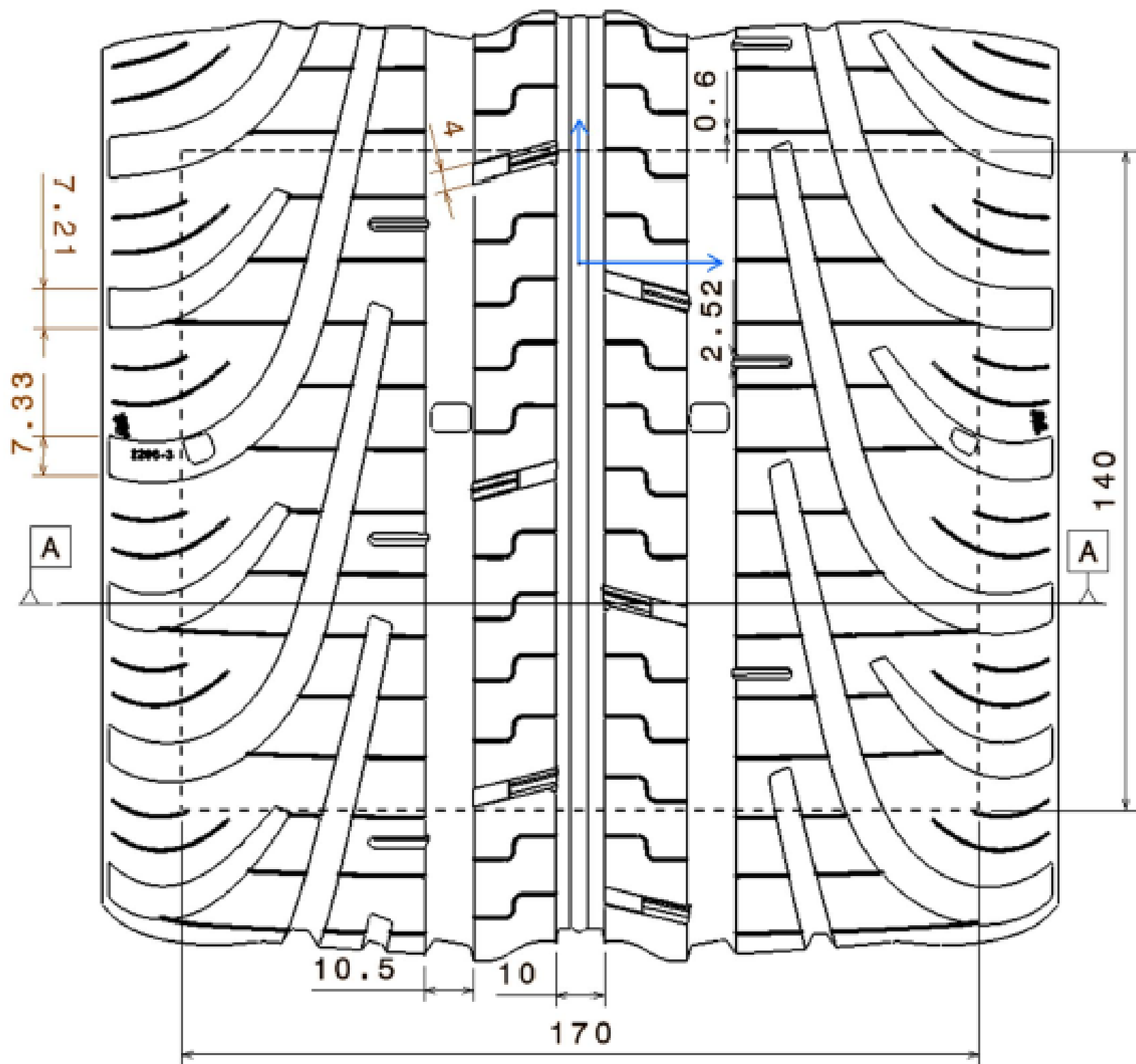




Clermont-Ferrand le : 15/12/2016
Domaine : Rallye Asphalt WRC Wet
Dimension : 18 / 65 – 18
Plan de la sculpture : Pilot Sport FW3
Entaillement Surfamique sur entaille 25,5mm de profondeur : 27.5%

MANUFACTURE FRANCAISE DES PNEUMATIQUES
MICHELIN CLERMONT-FERRAND

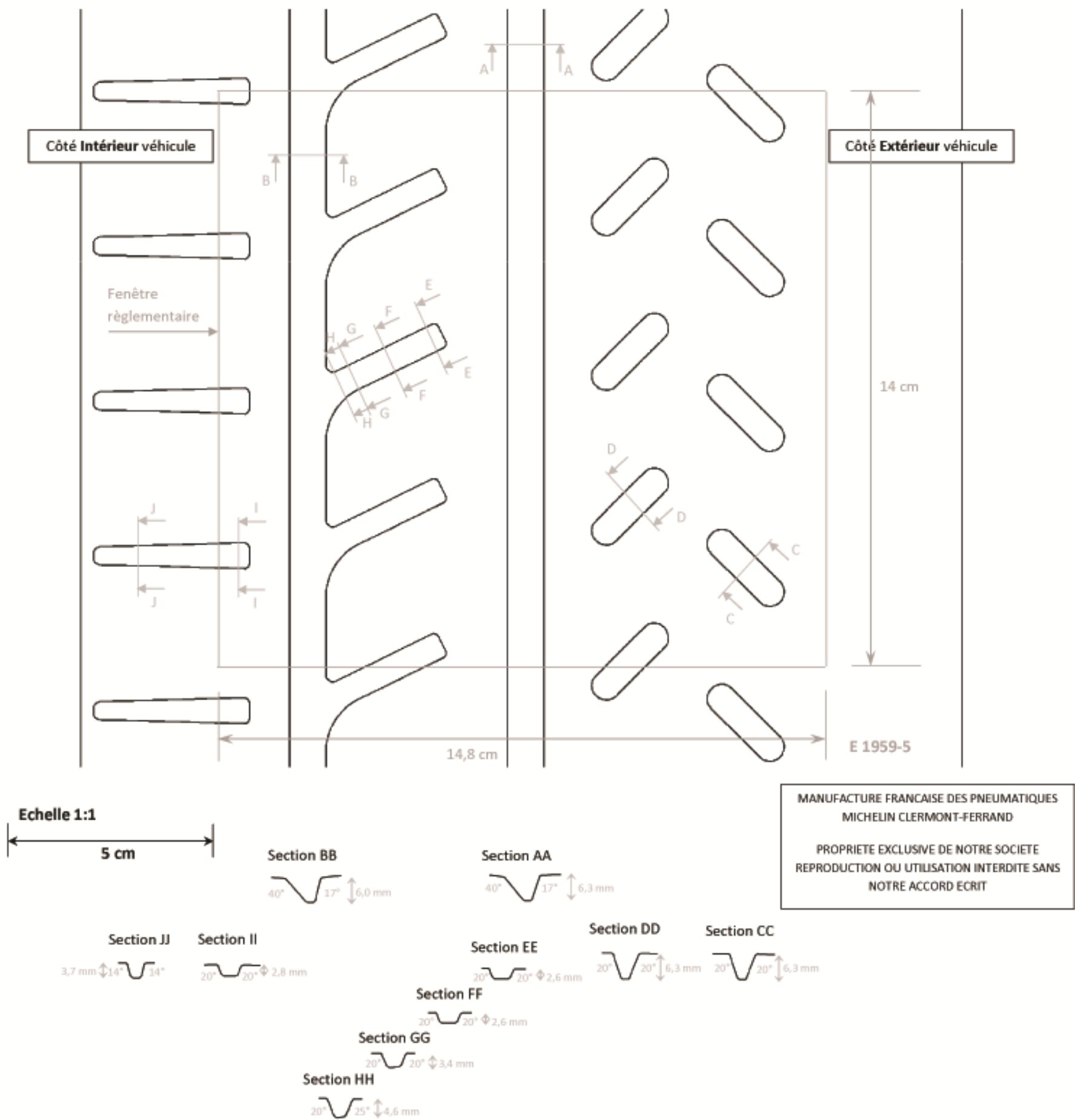
PROPRIETE EXCLUSIVE DE NOTRE SOCIETE
REPRODUCTION OU UTILISATION INTERDITE SANS
NOTRE ACCORD ECRIT





Domaine : Rallye Asphalte
Dimension : 19 / 63 – 17
Plan de la sculpture : Pilot Sport R
Entaillement surfacique sur fenêtre réglementaire : 21,51 %

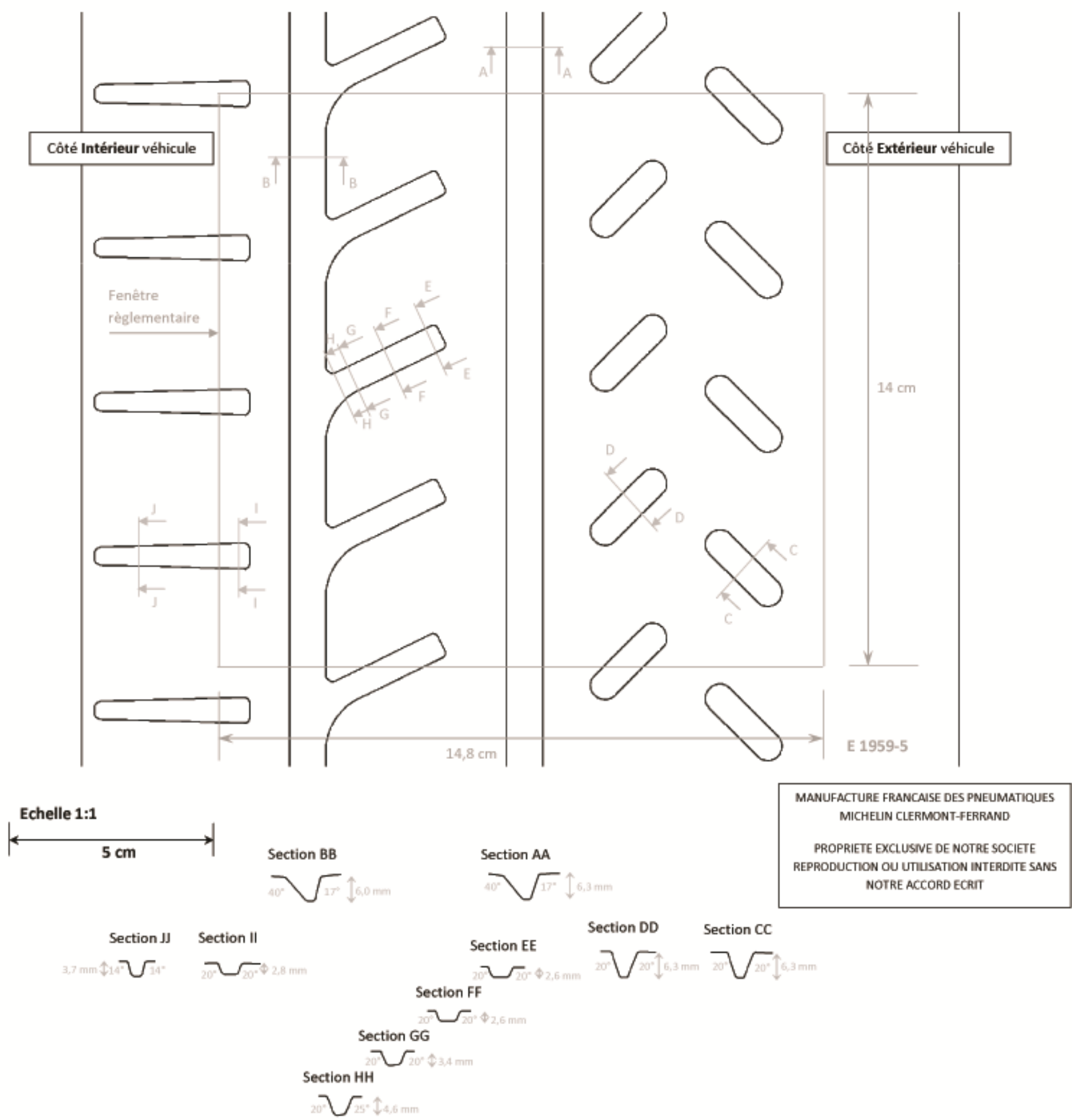
Clermont-Ferrand le 05/12/2013





Domaine : Rallye Asphalte
Dimension : 19 / 60 – 16
Plan de la sculpture : Pilot Sport R
Entaillement surfacique sur fenêtre réglementaire : 21,51 %

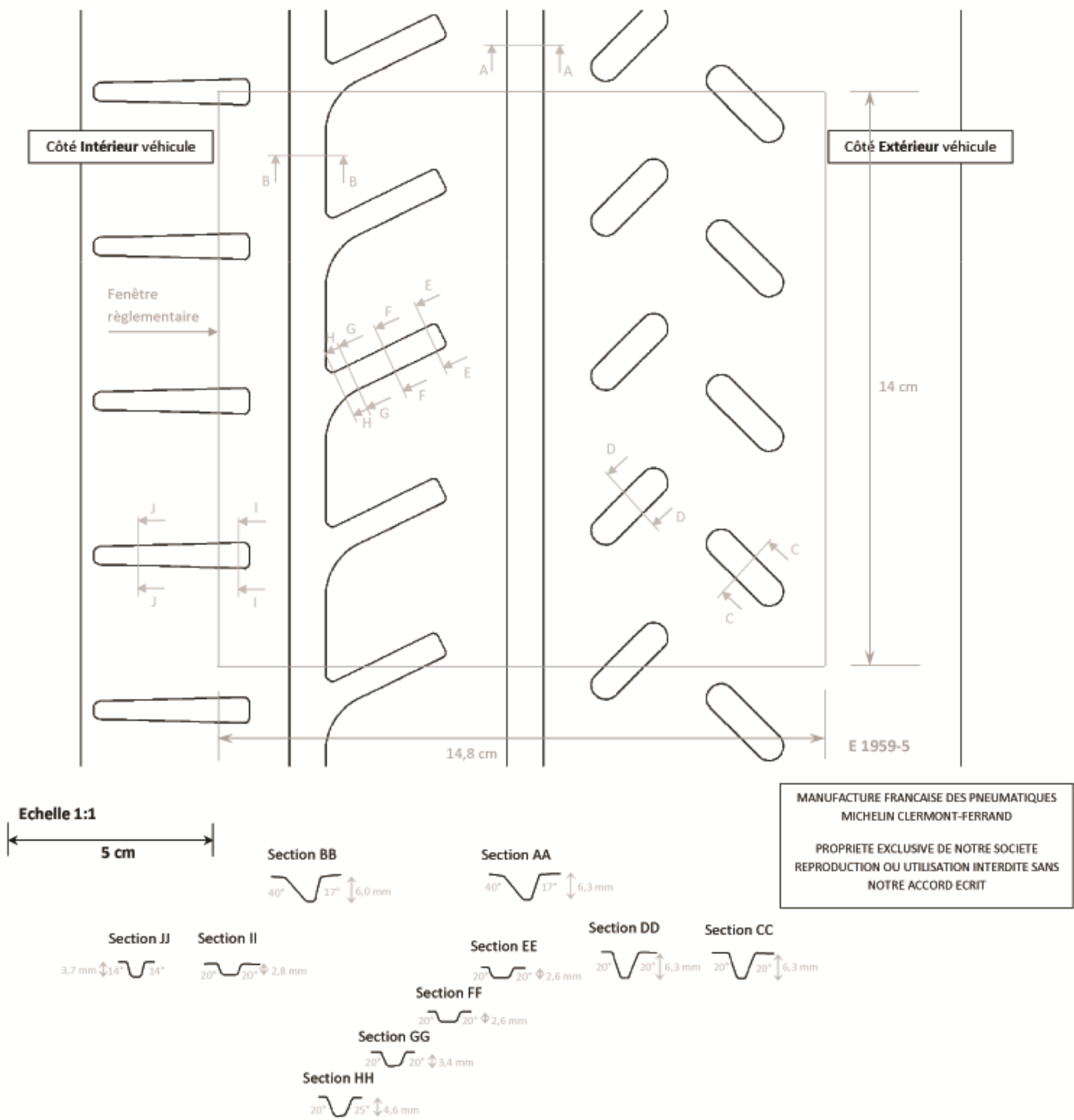
Clermont-Ferrand le 05/12/2013





Domaine : Rallye Asphalte
Dimension : 19 / 58 – 15
Plan de la sculpture : Pilot Sport R
Entaillement surfacique sur fenêtre réglementaire : 21,51 %

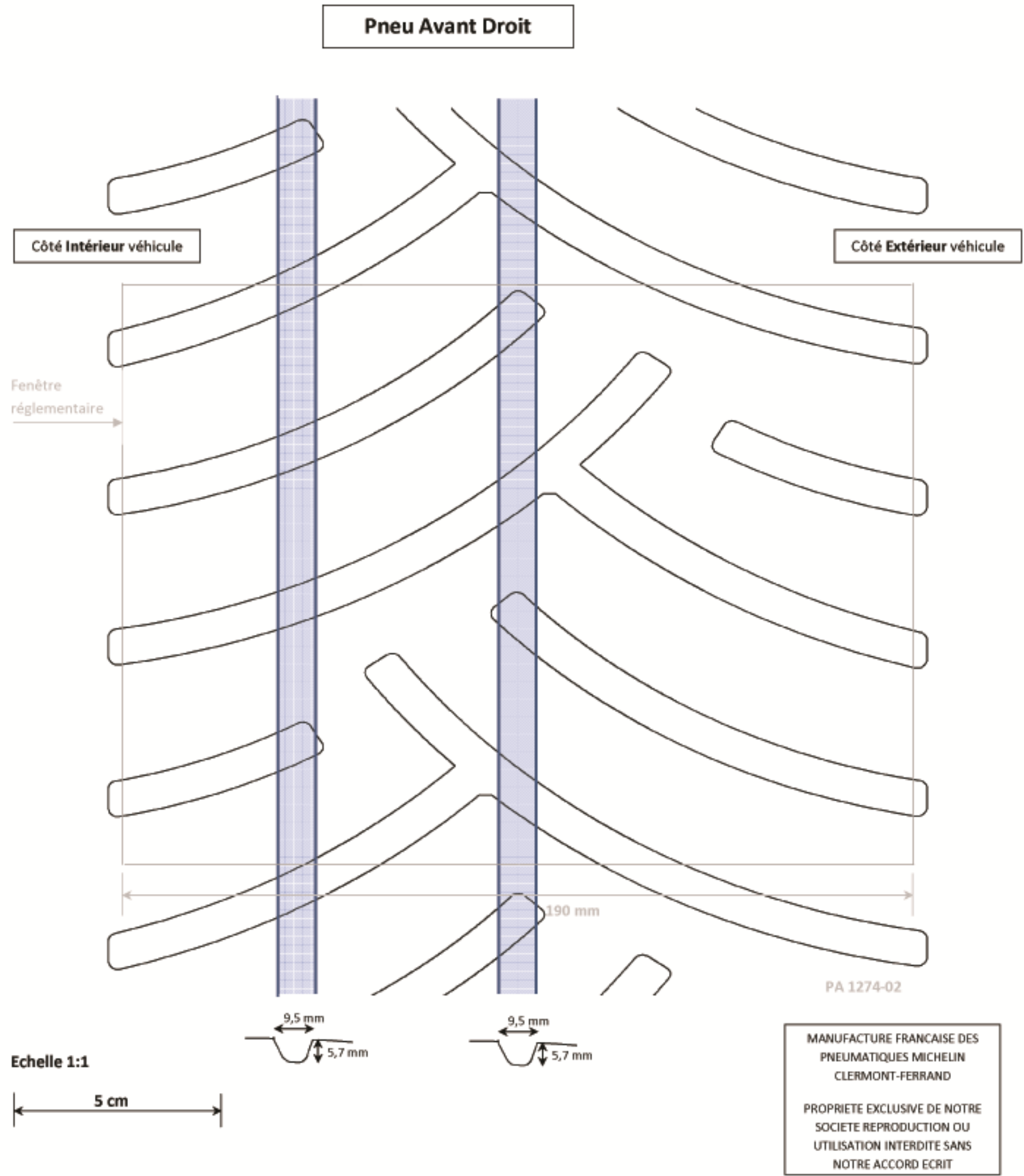
Clermont-Ferrand le 05/12/2013





Domaine : Rallye Asphalte
Dimension : 24 / 65 - 18
Entaillement surfacique sur une fenêtre de 190 mm de large : 32,8 %

Clermont-Ferrand le 18/12/2013

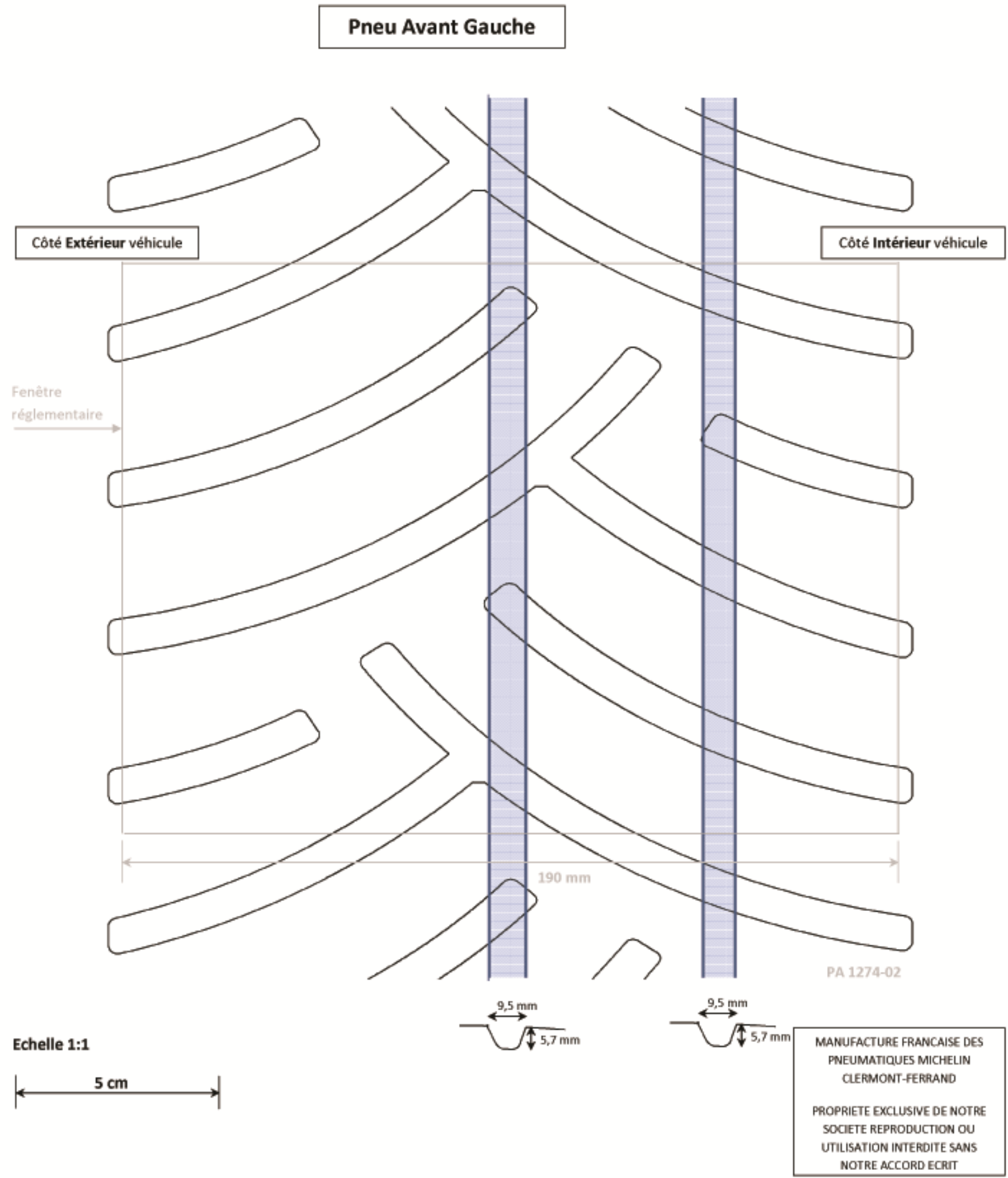


Circonférential grooves are hand-cutted.



Domaine : Rallye Asphalte
Dimension : 24 / 65 - 18
Entaillement surfacique global : 32,8 %

Clermont-Ferrand le 18/12/2013

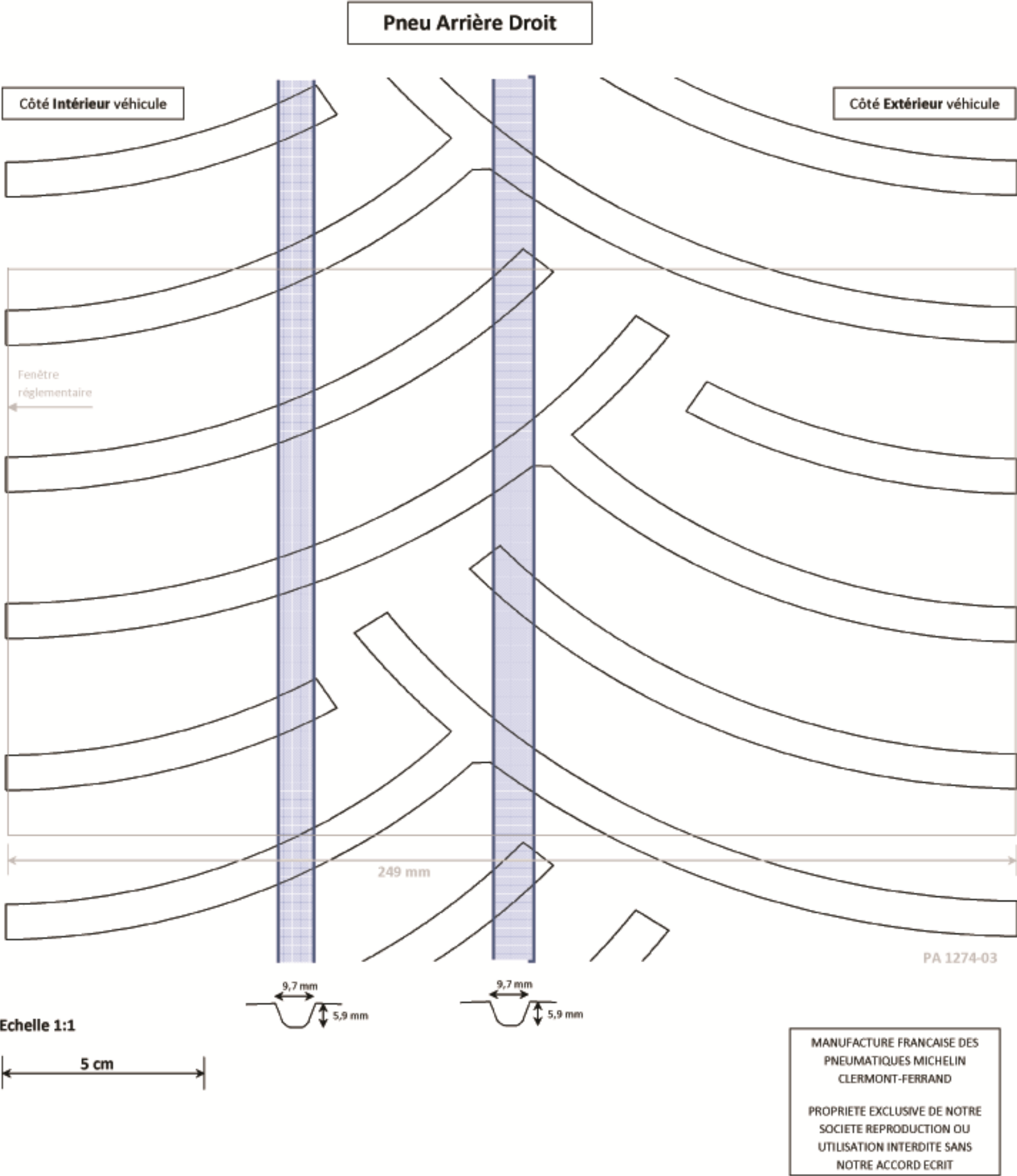


Circonférential grooves are hand-cutted.



Domaine : Rallye Asphalte
Dimension : 29 / 65 - 18
Entaillement surfacique sur fenêtre de 249 mm de large : 31 %

Clermont-Ferrand le 18/12/2013

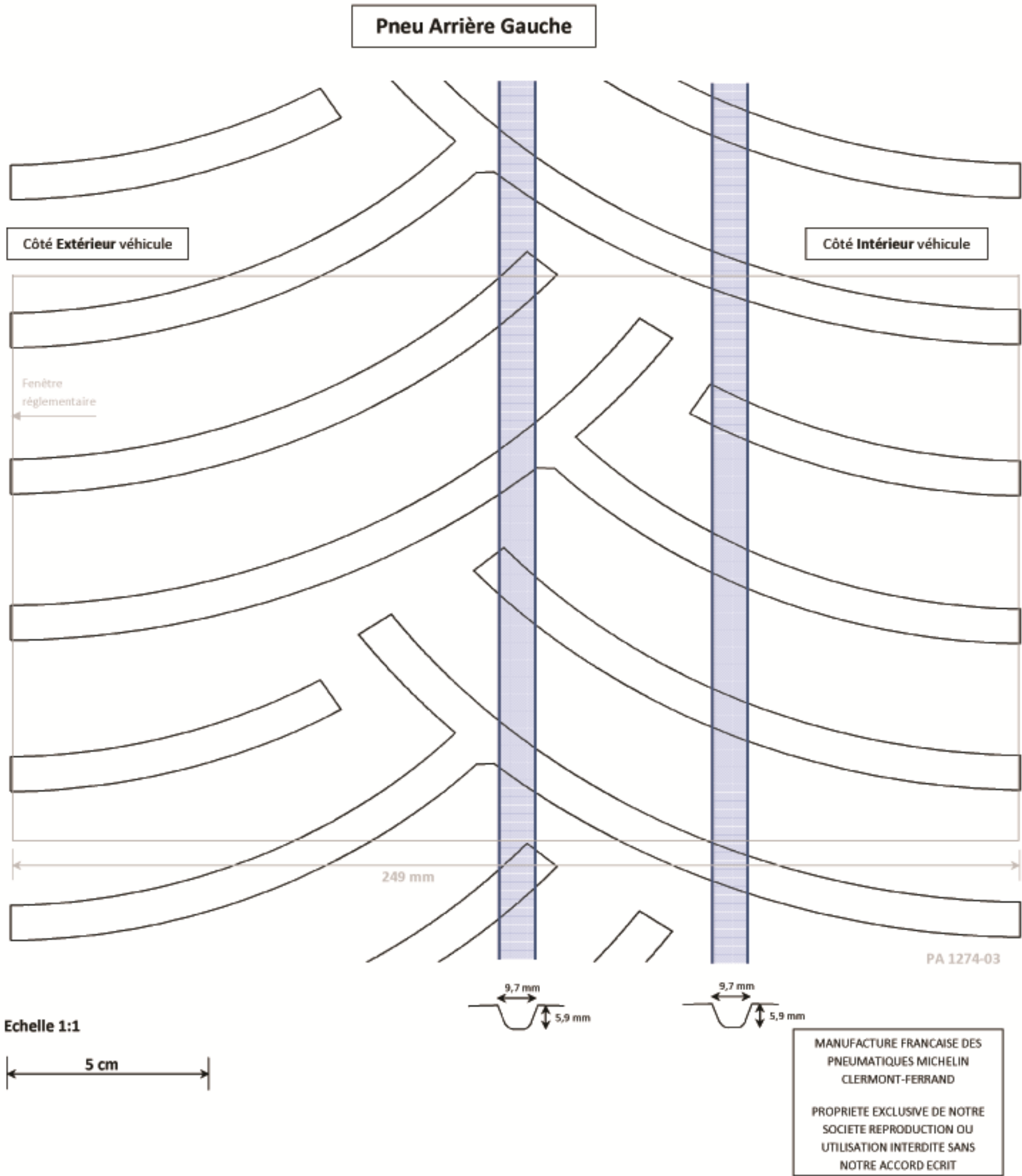


Circonférential grooves are hand-cutted.



Domaine : Rallye Asphalte
Dimension : 29 / 65 – 18
Entaillement surfacique sur fenêtre de 249 mm de large : 31 %

Clermont-Ferrand le 18/12/2013

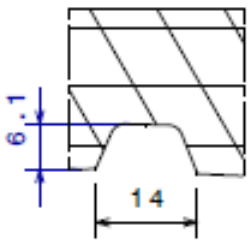
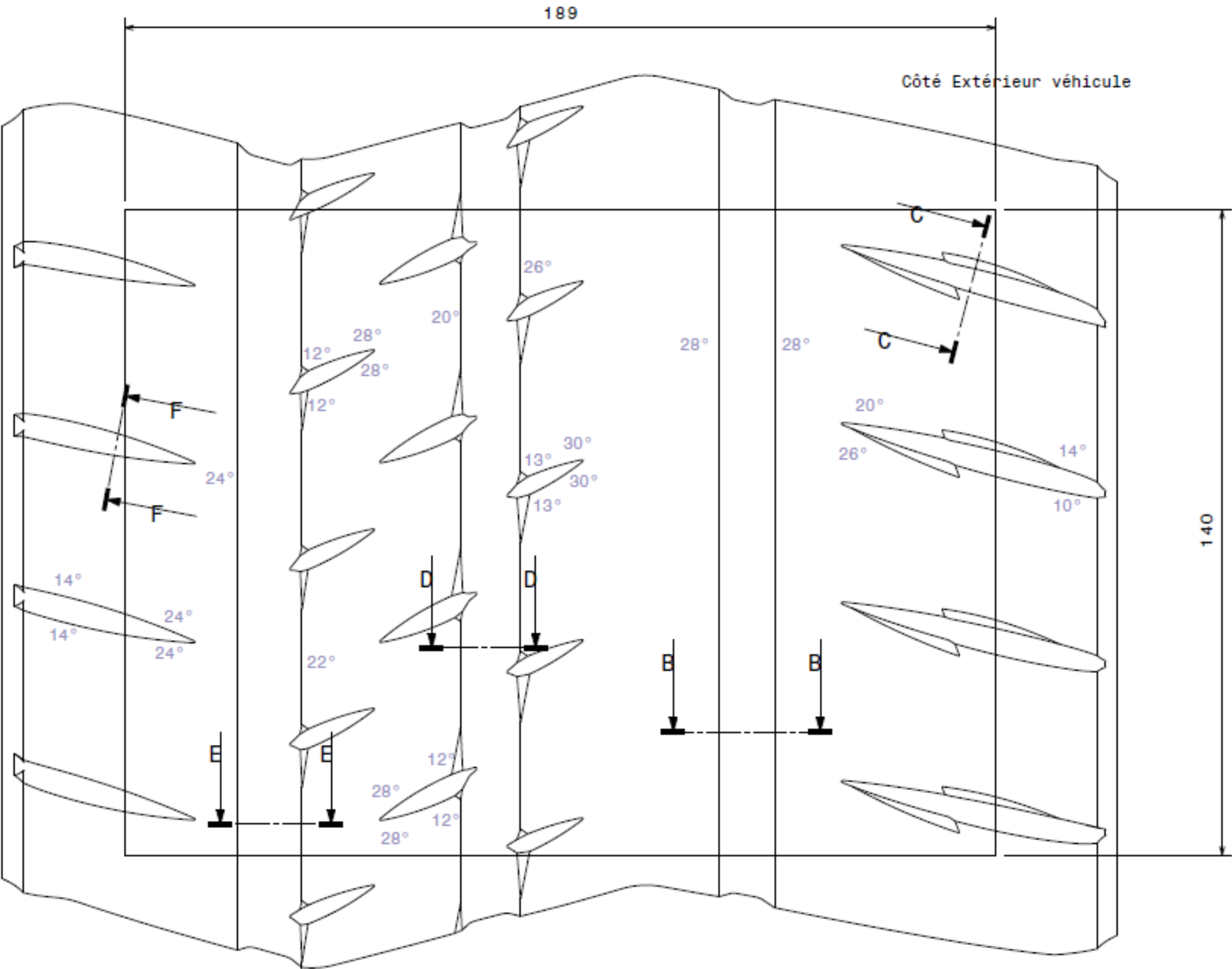


Circonfereential groves are hand-cutted.

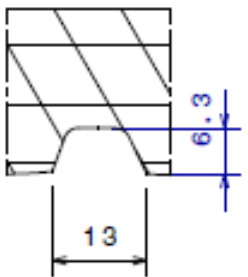


Domaine : Rallye Asphalte
Dimension : 24/65 R18
Plan de la sculpture : Pilot Sport R
Entaillement Surfacing dans fenêtre réglementaire : 21.7 % à 1.8 mm d'usure
: 17 % à 5.5 mm d'usure

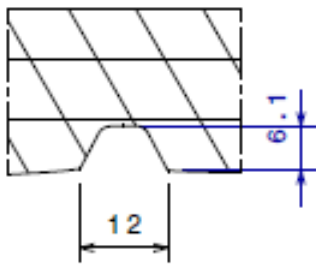
Clermont-Ferrand le 28/02/2018



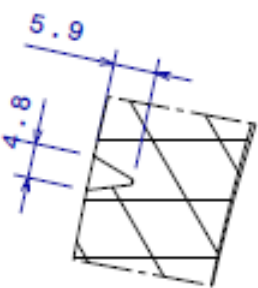
Coupe E-E



Coupe D-D

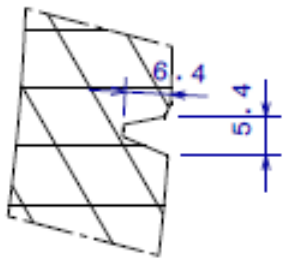


Coupe B-B



Coupe F-F

MANUFACTURE FRANCAISE DES PNEUMATIQUES
MICHELIN CLERMONT-FERRAND
PROPRIETE EXCLUSIVE DE NOTRE SOCIETE
REPRODUCTION OU UTILISATION INTERDITE
SANS NOTRE ACCORD ECRIT

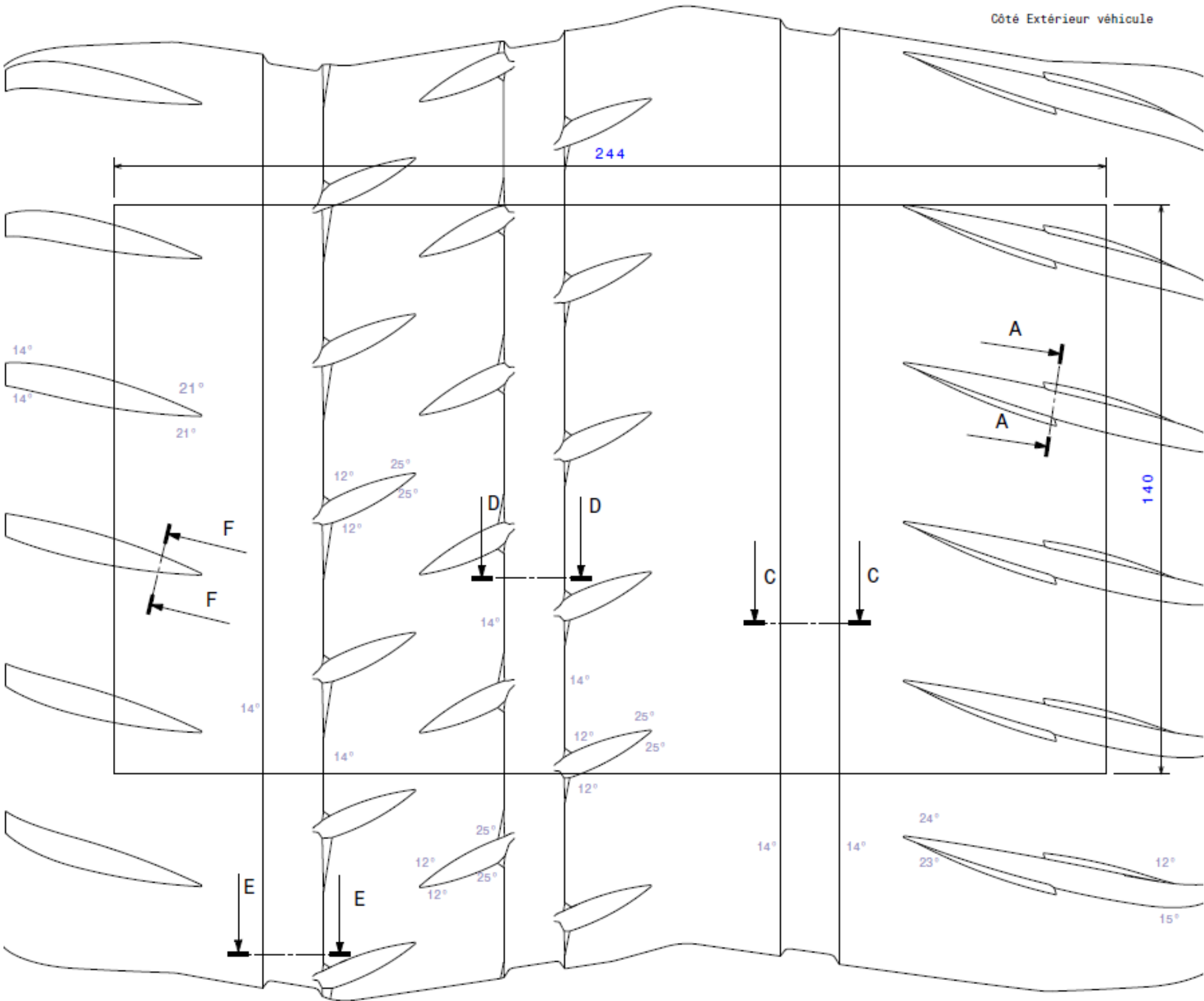


Coupe C-C



Domaine : Rallye Asphalte
Dimension : 29/65 R18
Plan de la sculpture : Pilot Sport R
Entaillement Surfaccique dans fenetre r glementaire : 22.6 %   1.8 mm d'usure
: 19.2 %   5.5 mm d'usure

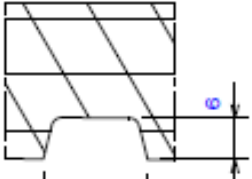
Clermont-Ferrand le 28/02/2018



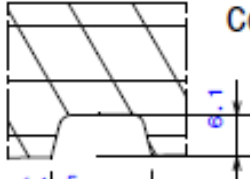
Coupe F-F



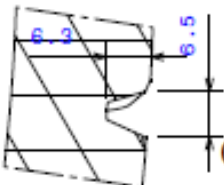
Coupe E-E



Coupe D-D



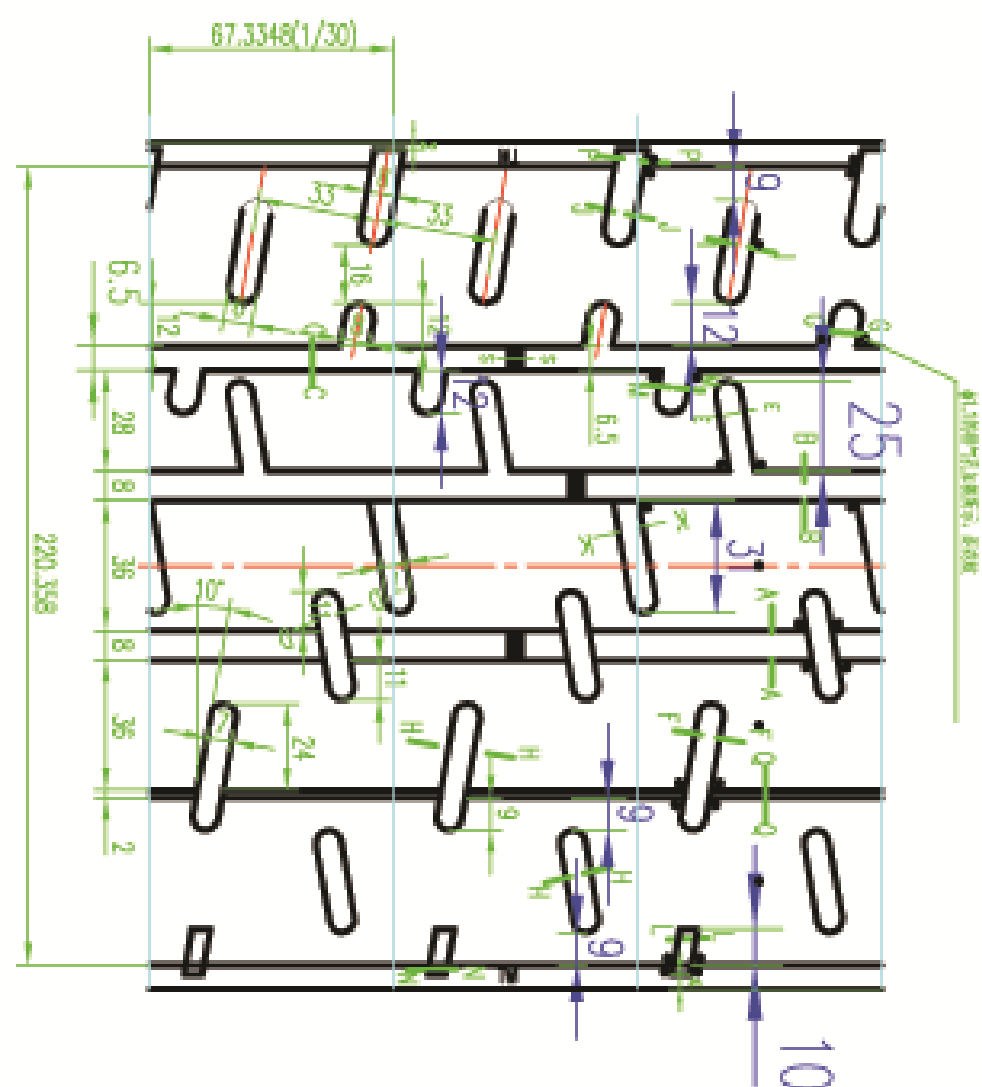
Coupe C-C



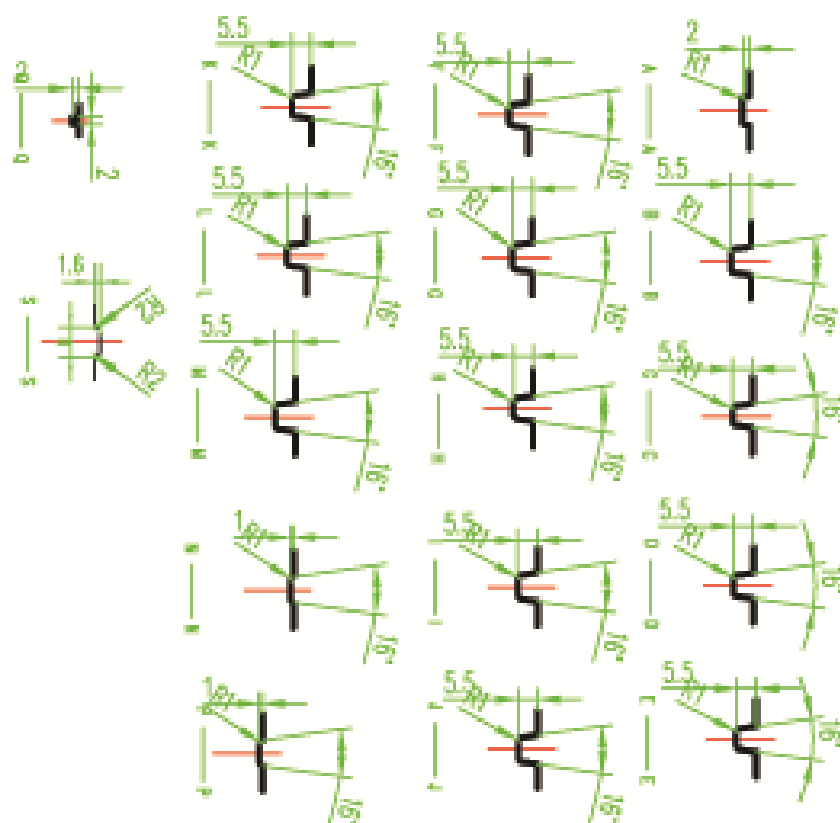
Coupe A-A

MANUFACTURE FRANCAISE DES PNEUMATIQUES MICHELIN
CLERMONT-FERRAND
PROPRIETE EXCLUSIVE DE NOTRE SOCIETE
REPRODUCTION OU UTILISATION INTERDITE SANS
NOTRE ACCORD ECRIT

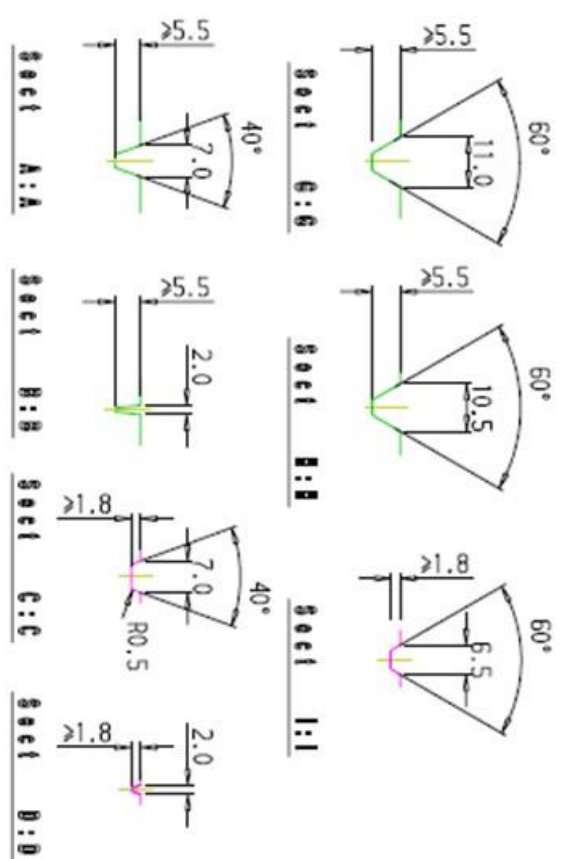
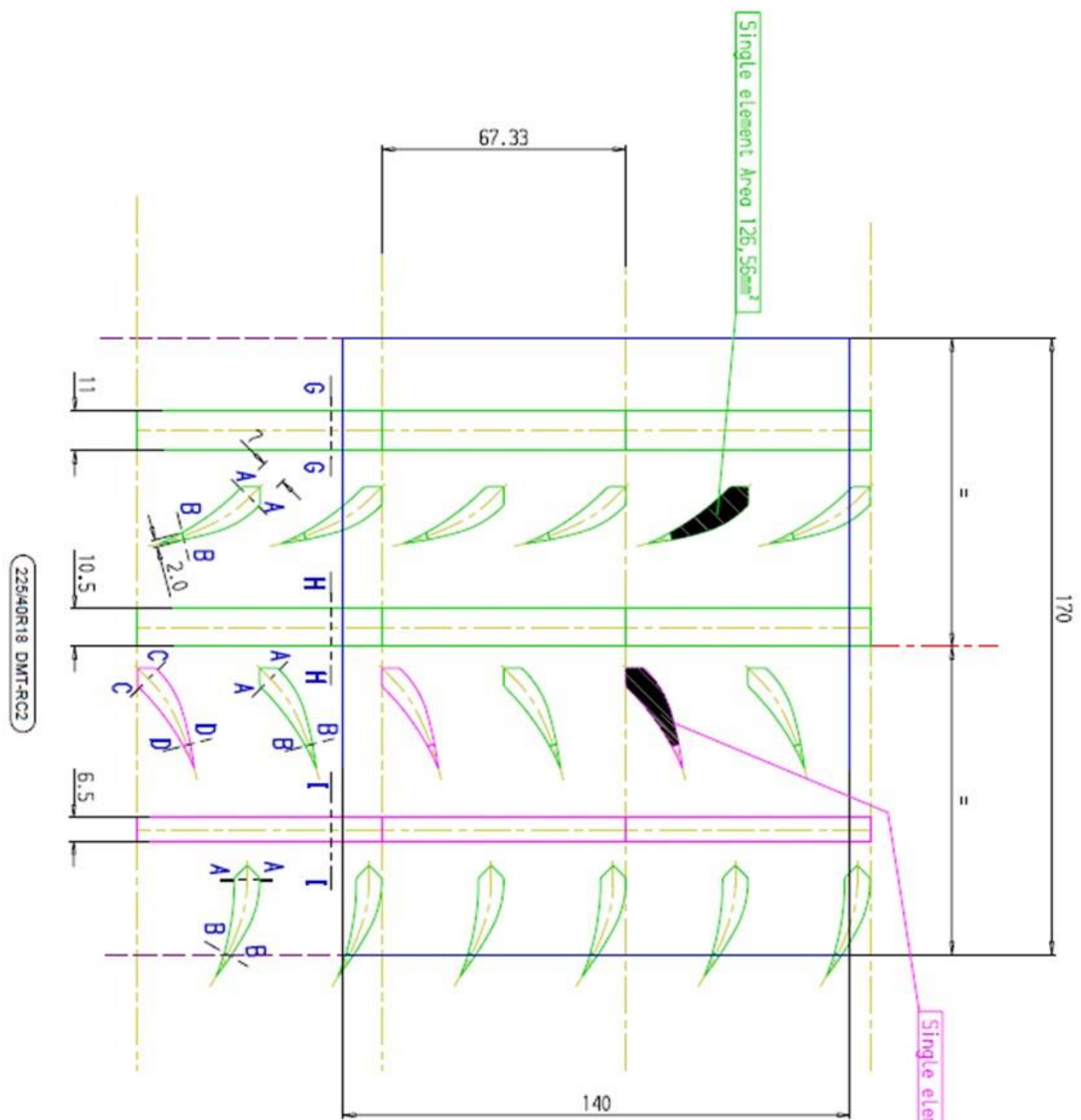
18" – 225/40-18



GROOVES SURFACE AREA=5707.86 m²
CONTROL SURFACE =23800 m²
5707.86/23800=23.983%



		姓名		日期		名称		图号	
设计						PATTERN		225/40 ZR18 DMT-R	
制图									
校核				材料	重量	比例	数量	备注	
审核									
工艺									
制图									

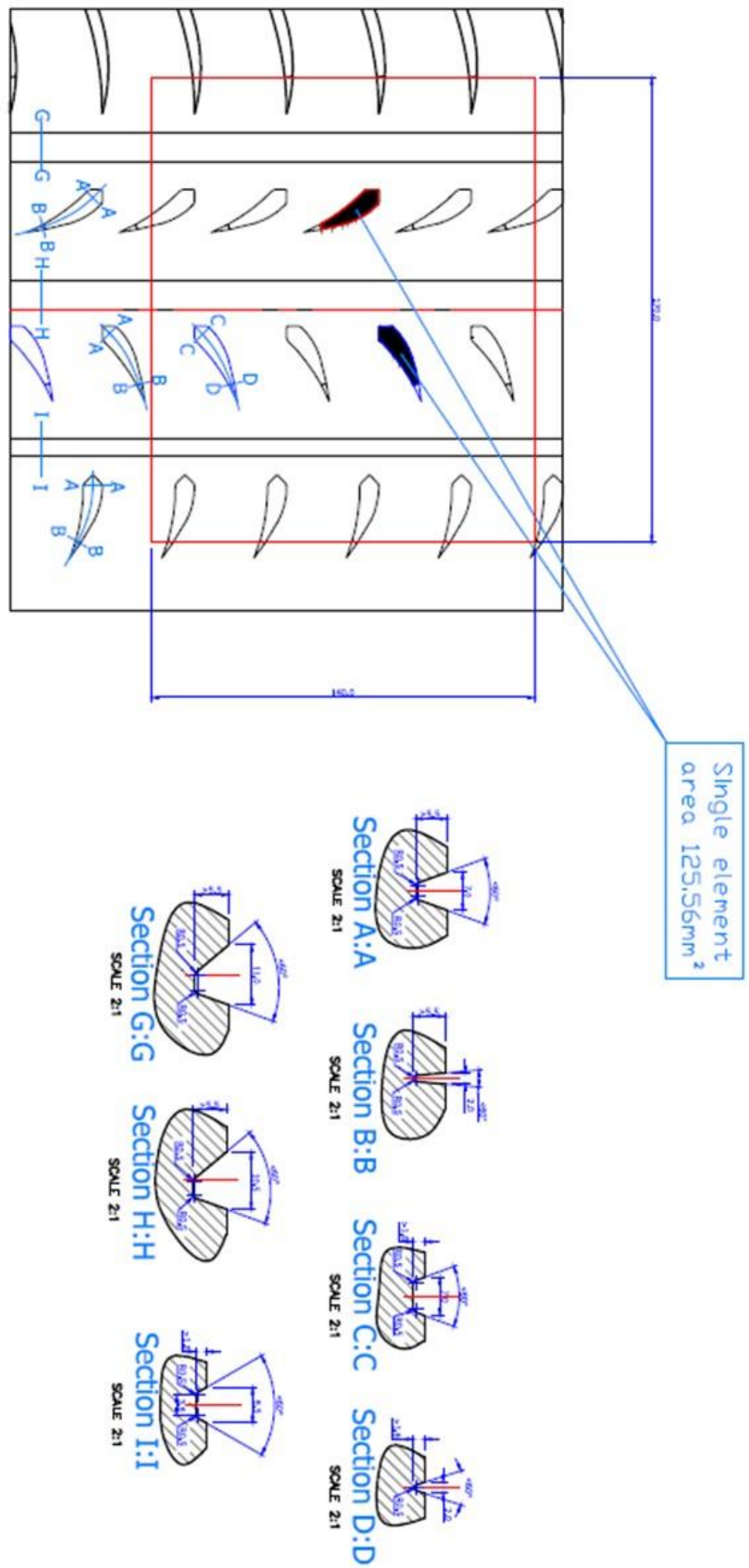


RIM 8.0" CLASS 9"

Grooved area with min 5.5x2.0mm grooves >17%

Grooved area with min 1.8x2.0mm grooves >21.5%

[illegible]



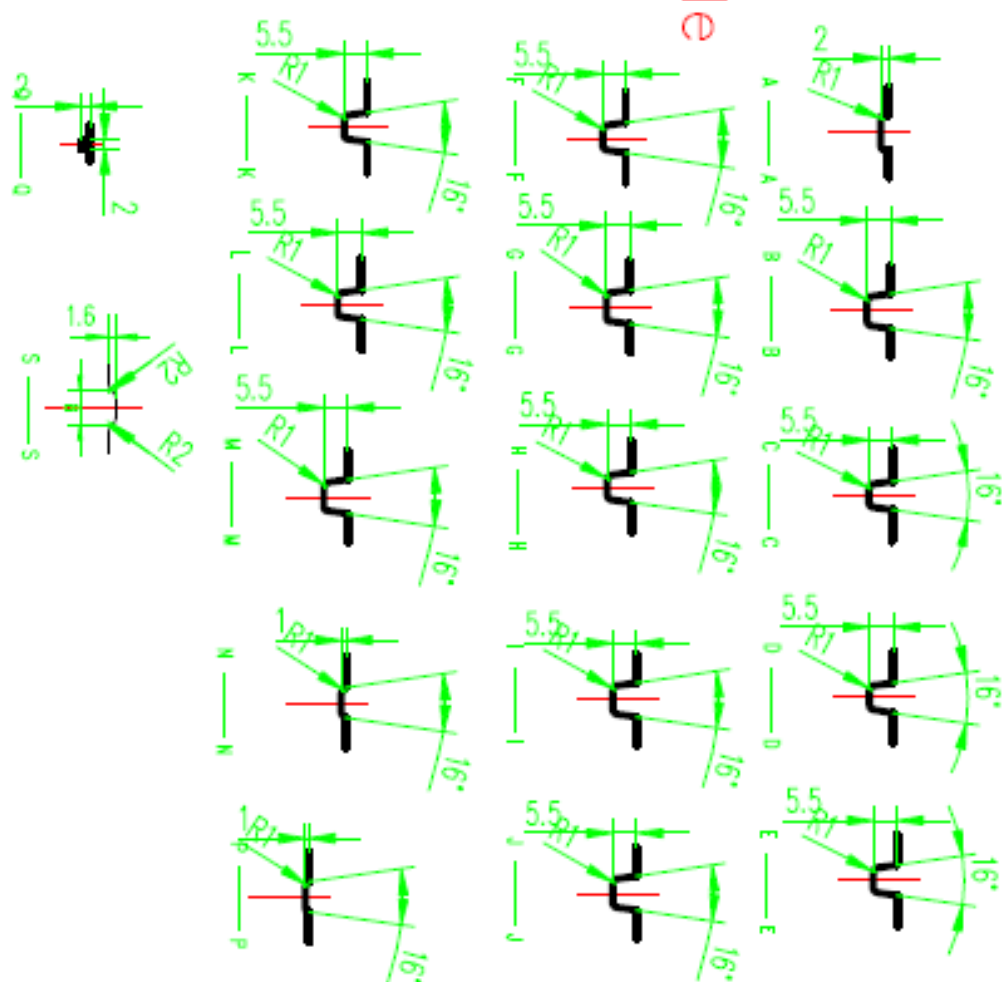
DRAWING REFERENCES		APPROVAL									
DIMENSIONS											
MM	225/40 R18 DMT RC2 - FIA Homologation table										
MATERIALS	DMACK TYRES - ENGLAND,										
The information on this drawing is the property of DMACK Tyres Limited. It is not to be used for any other purpose without the written consent of DMACK Tyres Limited. It is to be used for the purpose of manufacturing the product described in the drawing. It is to be used in accordance with the instructions and specifications of DMACK Tyres Limited. It is to be used in accordance with the instructions and specifications of DMACK Tyres Limited.											
		<table><tr><th colspan="2">1</th></tr><tr><td>ISSUE</td><td>MODIFICATION</td></tr><tr><td></td><td></td></tr><tr><td>DATE</td><td>SIGN</td></tr></table>		1		ISSUE	MODIFICATION			DATE	SIGN
1											
ISSUE	MODIFICATION										
DATE	SIGN										
SCALE: 1:1, 2:1, 3:1											
DATE: 02/12/2016 BY: F. Bando											
16FB037											

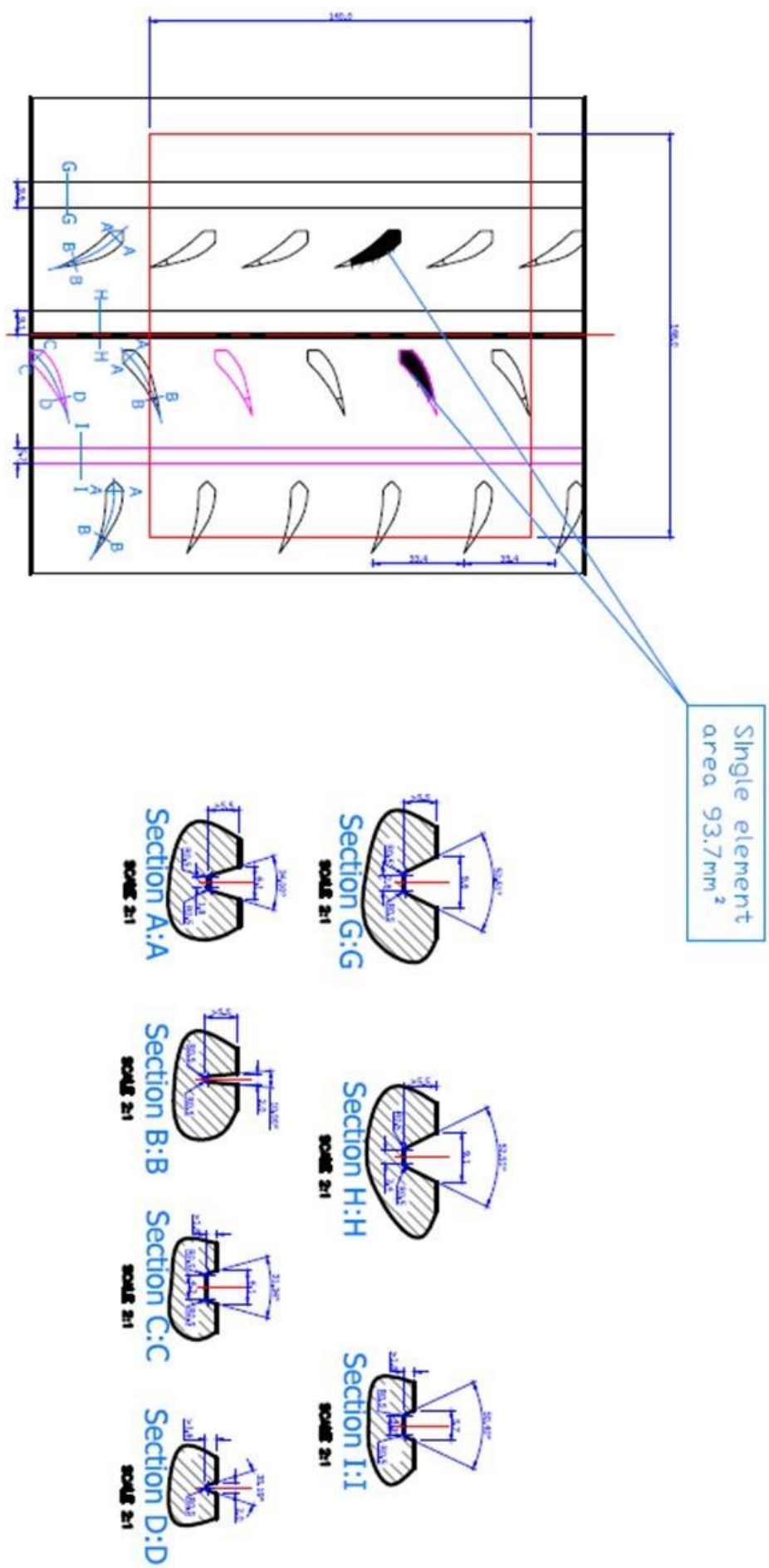


Class 9"

GROOVED AREA WITH MIN. 5.5x2.0mm GROOVES >27.5%

	MODIFICATION	DATE	SIGN
	1594/E	14.12.11	16F8001

[illegible]



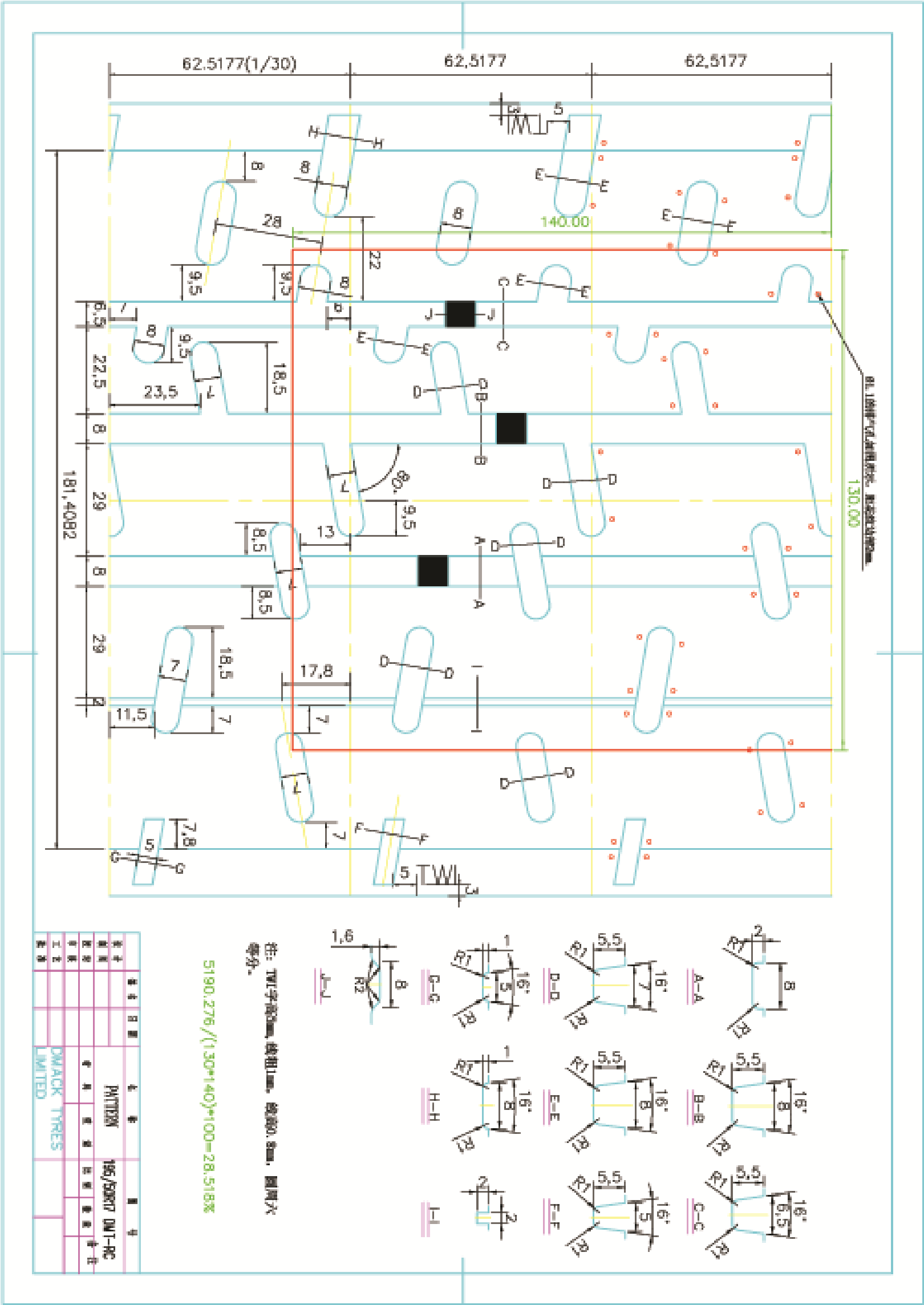
RIM 7.0" Class 8"

GROOVED AREA WITH MIN. 1.8x2.0mm GROOVES >21.5%

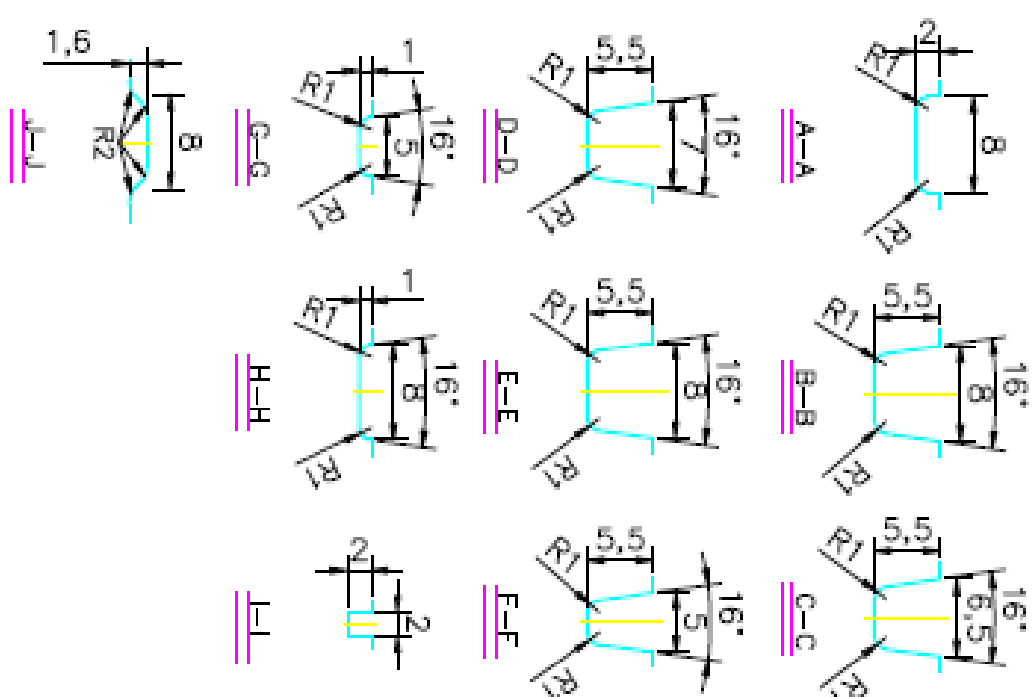
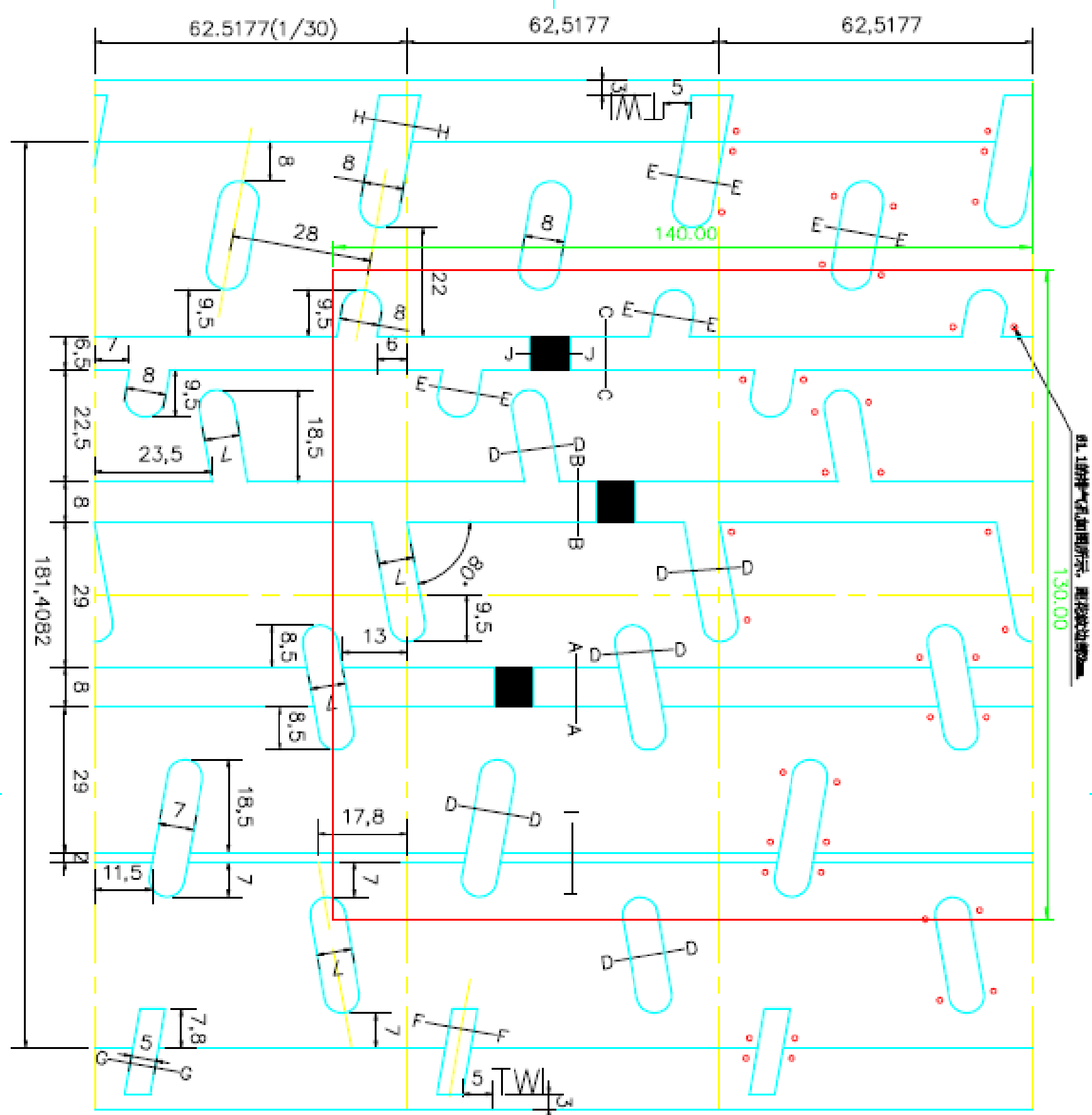
GROOVED AREA WITH MIN. 5.5x2.0mm GROOVES >17.0%

[illegible]

17" – 195/50-17



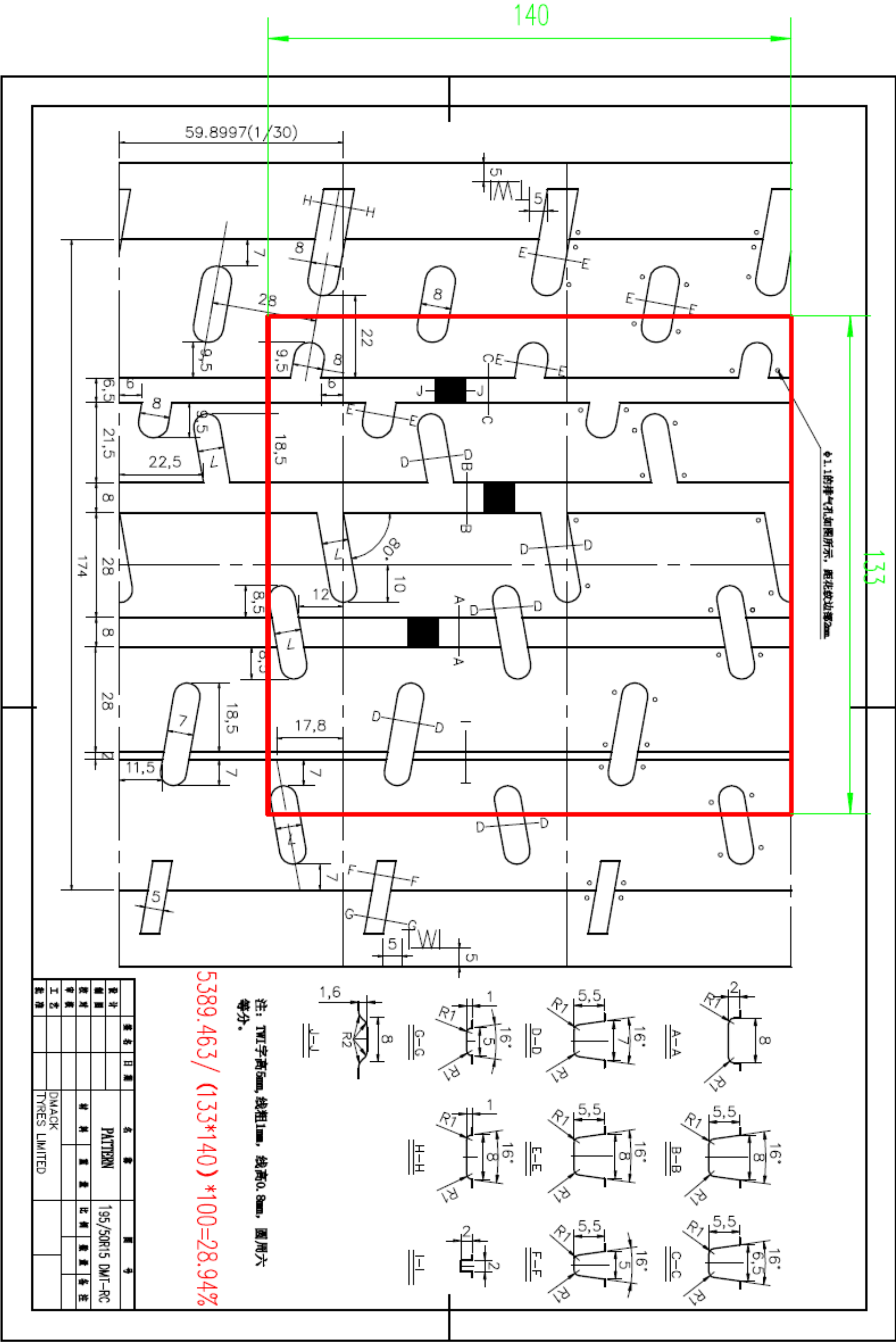
16" – 195/50-16

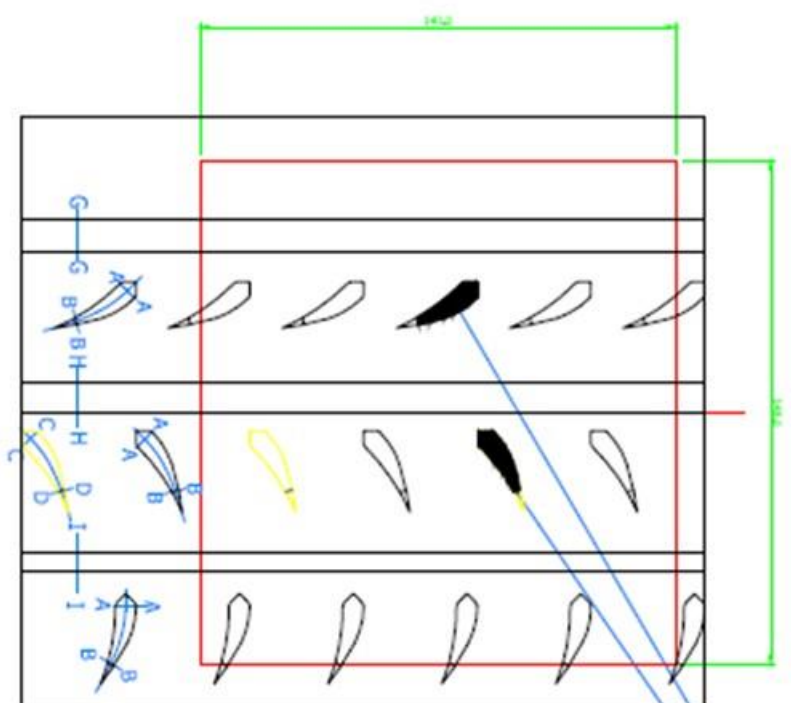


注: TW1字高5mm, 线粗1mm, 线高0.8mm, 圆周六等分。

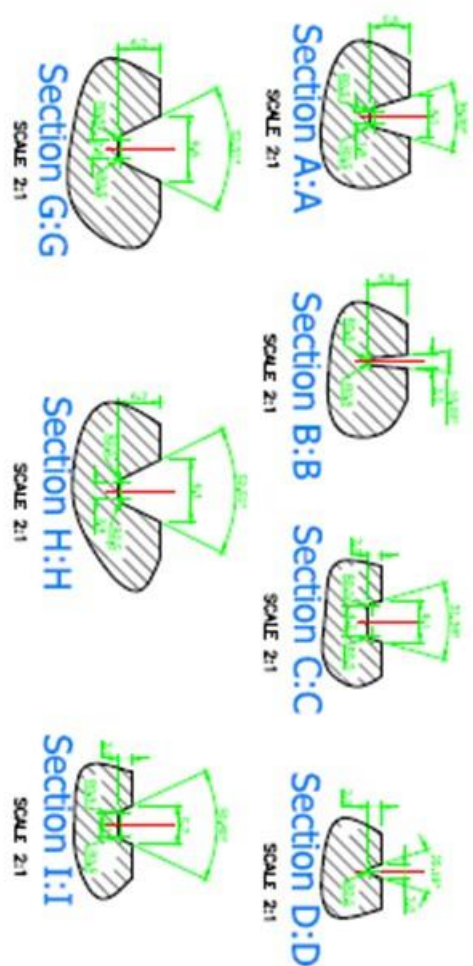
$$5190.276 / ((130 + 140) + 100) = 28.518\%$$

名 称		图 号	
PATENT		195/50R16 DMF-RC	
材 料	重 量	比 例	备 注
数 量			
规 格			
单 位			
工 艺			
备 注			





Single element
area 93.47mm²



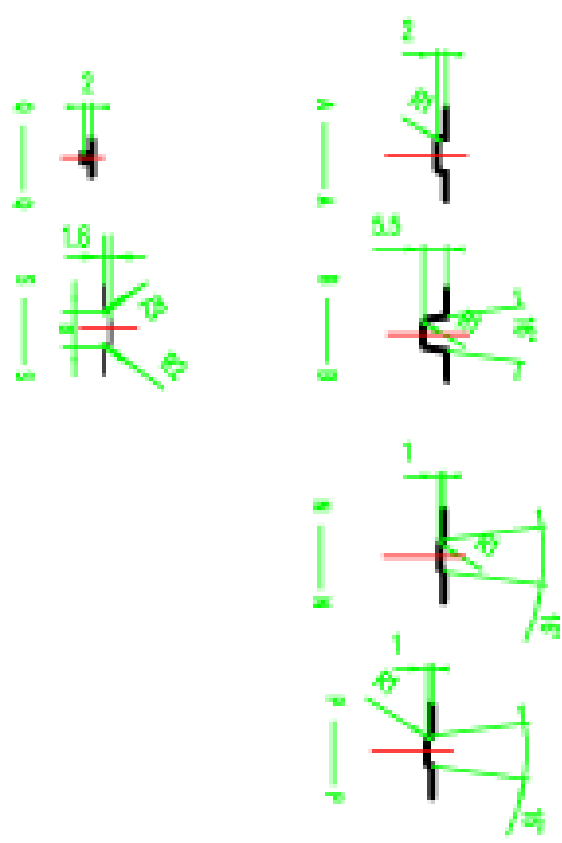
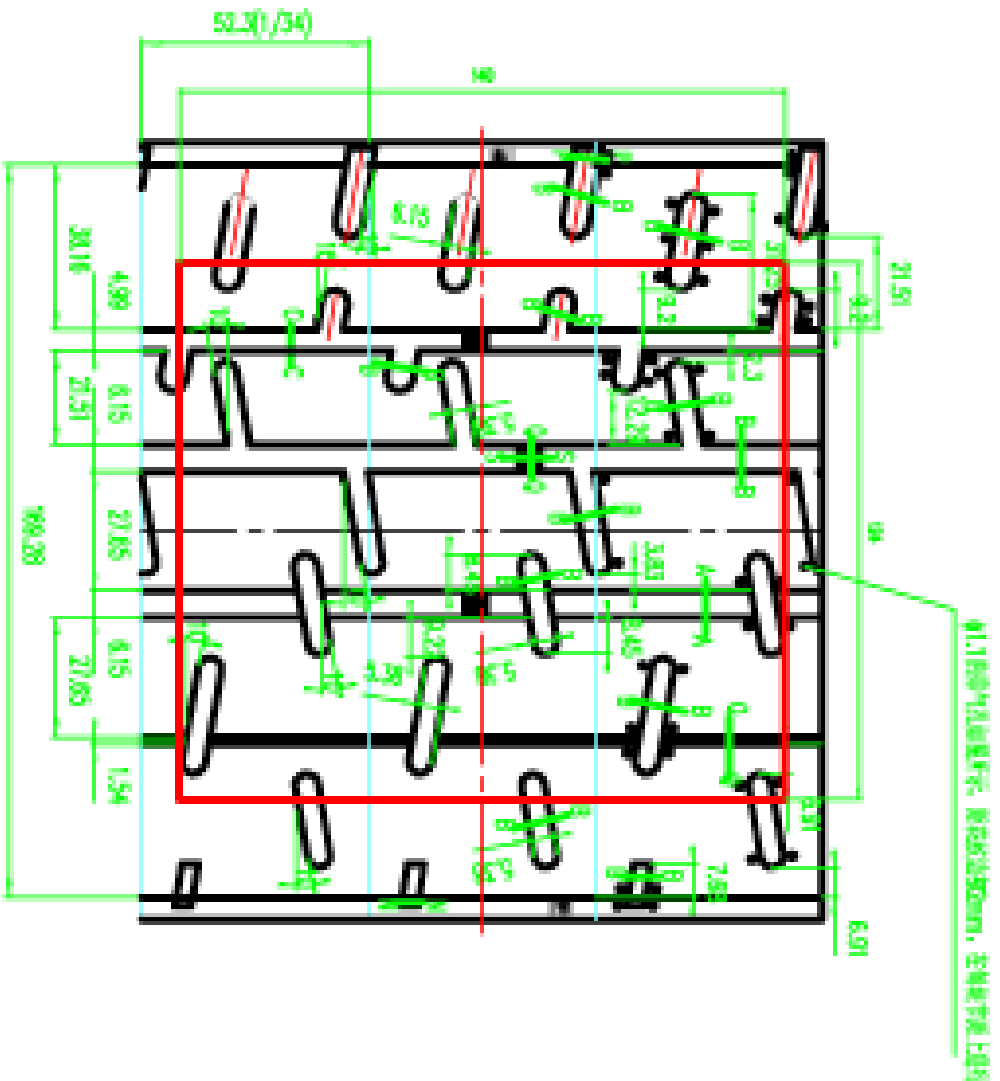
RIM 7.0" Class 8"

GROOVED AREA WITH MIN. 1.8x2.0mm GROOVES >21.5%

GROOVED AREA WITH MIN. 5.5x2.0mm GROOVES >17.0%

DRAWING REFERENCES		APPROVAL	
DIMENSIONS			
MM			
MATERIAL			
195/50 R15 DMT RC2 - FIA Homologation table			
DMACK TYRES - ENGLAND.			
This certificate of conformity is the property of DMACK and is valid only for the purpose of homologation. It is not to be used as a basis for any other type of homologation. The certificate is valid only for the purpose of homologation. The certificate is valid only for the purpose of homologation. The certificate is valid only for the purpose of homologation.			
			
ISSUE		MODIFICATION	
1			
DATE		SIGN	
SCALE 1:1, 2:1, 3:1			
DATE 16/03/2017 BY F. BERNAS			
17EB004			

14" – 175/60-14



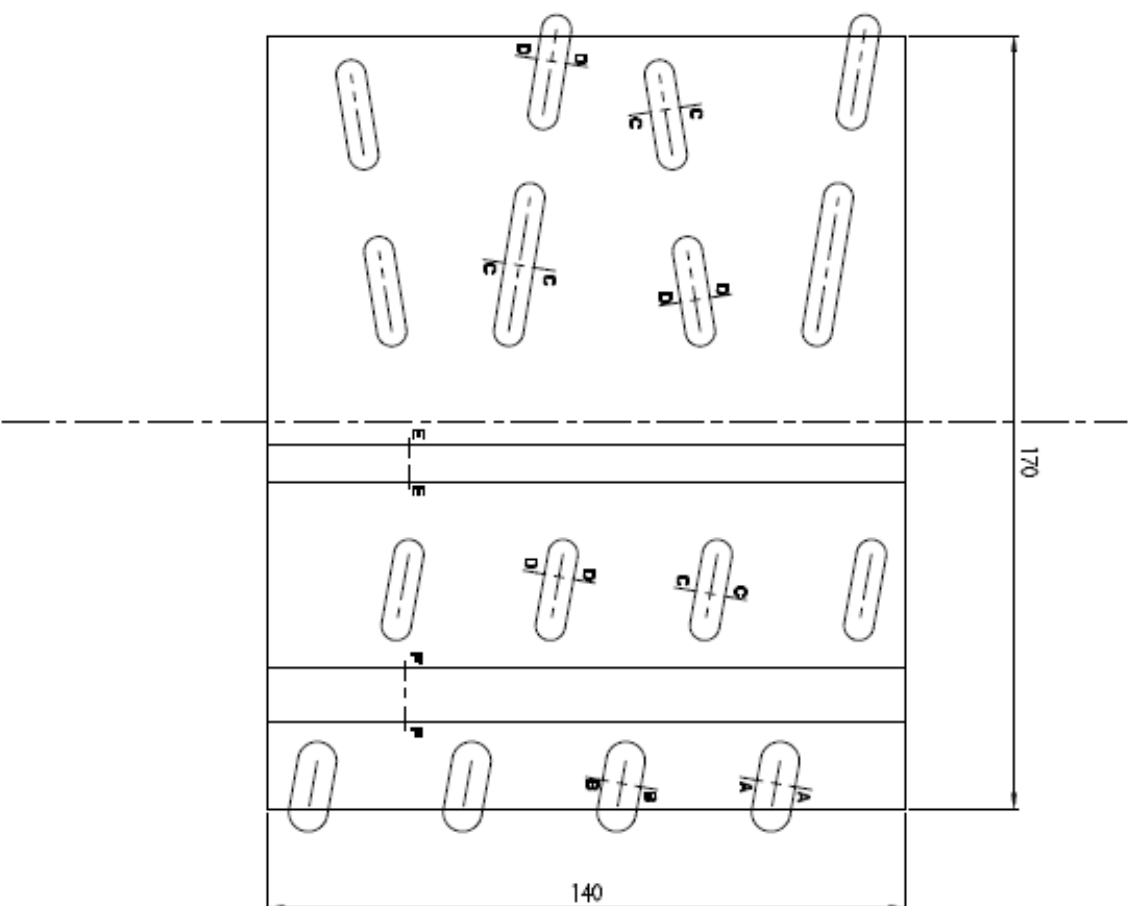
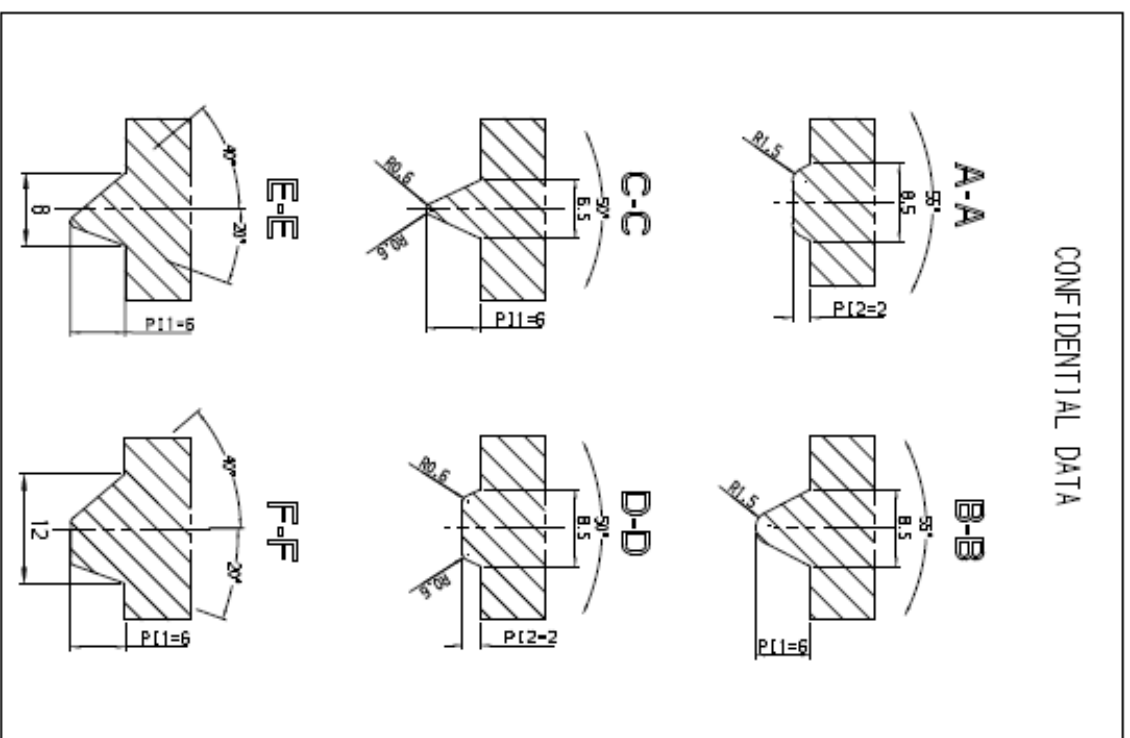
GROOVES SURFACE AREA=4292.808;
CONTROL SURFACE 17360;
4292.808/17360=24.728%

注：TWI字高3mm,线粗1mm,线高0.8mm，圆周六等分

设计	签名	日期	名称	图号
制图			TREAD	175/60R14 DMT-RC
校对			材料	重量
审核			比例	数量
工艺				备注
批准			DMACK TYRES LTD	

18" – 235/40-18

CONFIDENTIAL DATA



SUP. EMPTY DEPTH>5.5 > 17.0 %
 SUP. EMPTY DEPTH>1.8 > 21.5 %
 The sum of the width of the grooves encountered by a radial line is >16mm
 The total width of the circumferential lines is >12mm

Class 9"
Rim 8"

[illegible]



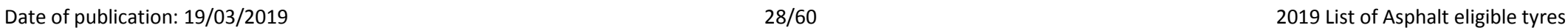


18" – 235/40 - 18

	1	2	3	4	5	6	7	8
A	CONFIDENTIAL DATA MOULD SECTION SCALE 2:1 A-A ALL THE GROOVES HAVE THE SAME SECTION							
B	SUP. EMPTY DEPTH>5.5mm >27.5% The sum of the width of the grooves encountered by a radial line is >16mm The sum of the width of the grooves encountered by a circumferential line is >4mm Three (3) circumferential lines The total width of circumferential lines is >12mm							
C								
D								
E								
F	AREA SCALE 1:1 A A							
1								
2								
3								
4								
5								
6								
7								
8								

CLASS 9"
RIM 8"

1								
2								
ITEM		DESCRIPTION	UNIT	QTY	DATE	SIGNATURE		
GENERAL WORKING		Project	5575					
TOLERANCES		Scale	1:1					
LIMITS		Revised	-					
D. NUMBER		File Name	P_30010_028_00	Date	01/08/2016	Sign	PE-MG	Object
M. HIGH		Drawn/Checked	MAZZUCCHI	Date				
Drawing Description		Size	235/40-18 RW	Tread	2044	P_30010_028		
		LAND & SEA						

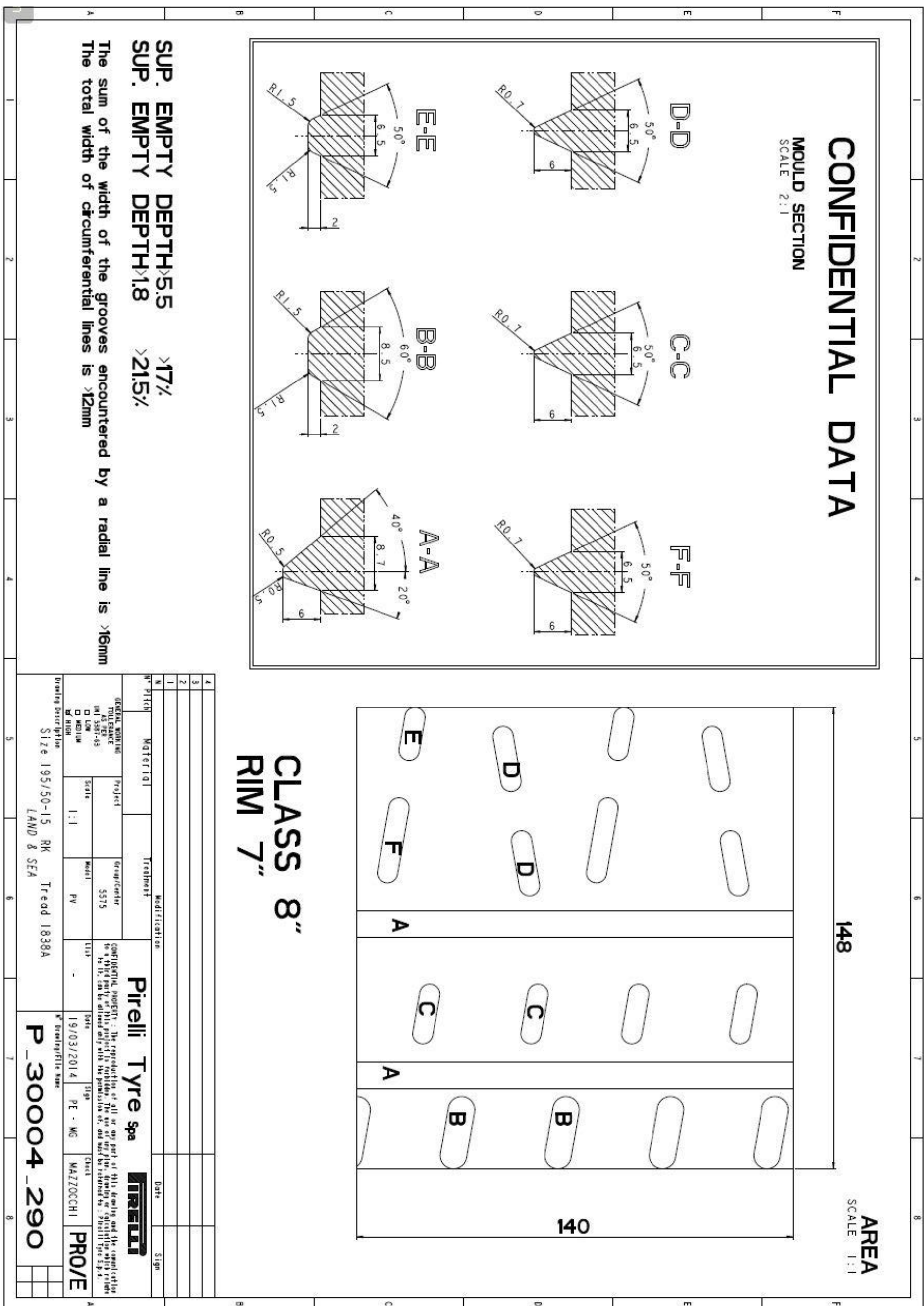


2019 List of Asphalt eligible tyres

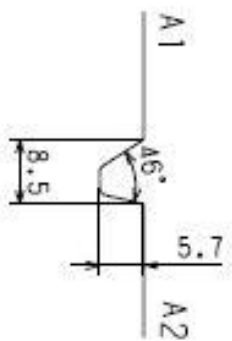
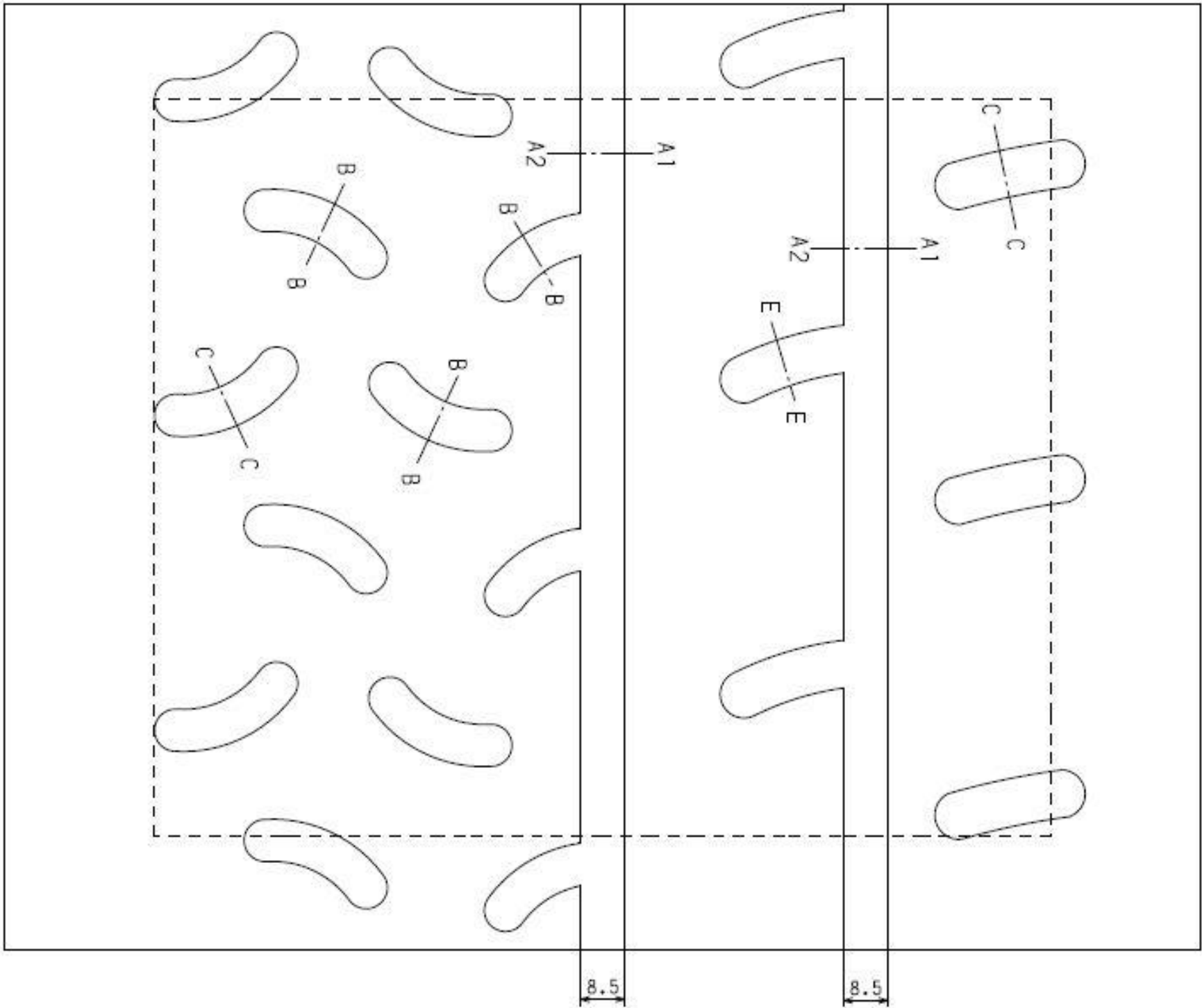
16" – 195/50-16

The figure is a technical drawing of a tire cross-section. It shows a tread pattern with a central longitudinal groove and two side grooves. The tread is labeled with 'A' and 'B' at various points. The overall width of the tire is indicated as 148. The tread depth is indicated as 140. The drawing includes a title block with the following information:

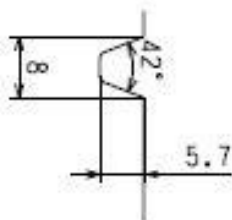
GENERAL WARNING		CONFIDENTIAL PROPERTY	
UNCLASSIFIED FOR RELEASE		DATE 01/05/2018	
CLASSIFICATION		EV	
Size 195/50 R16 RW		Tread 2044	
LAND AND SEA		P_30016_172	



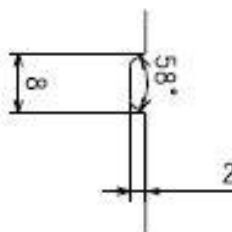
18" – 235/40-18



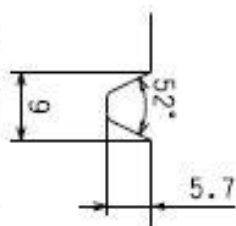
SEC. A1-A2



SEC. B-B



SEC. C-C



SEC. E-E

In the control area
5.5mm grooves-18.1%
Total grooves-22.2%

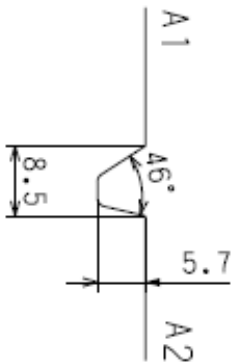
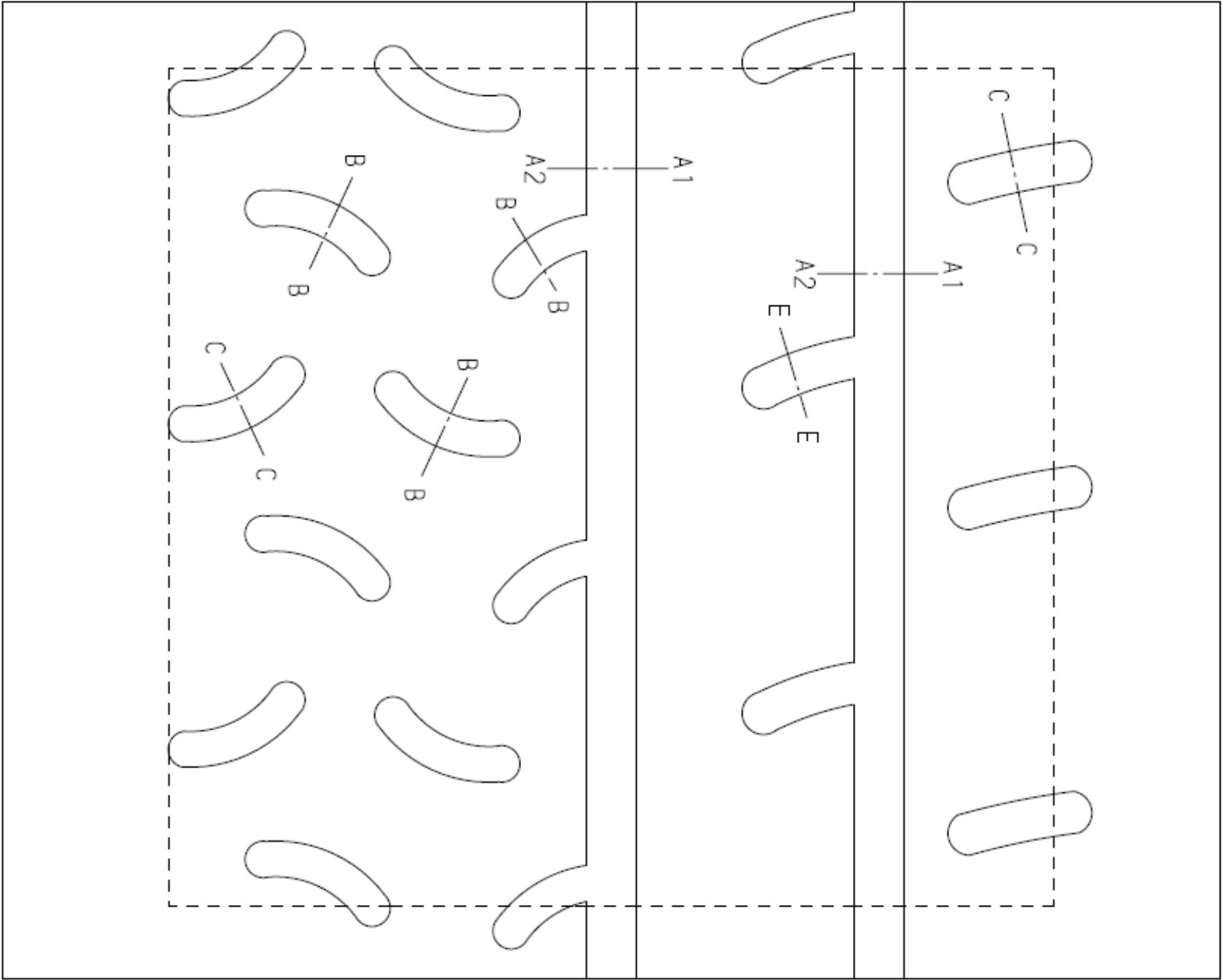
----- Control area 170X140

Tyre weight 9.7kg

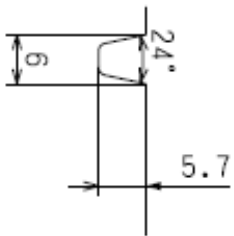
PRODUCT NAME
YOKOHAMA ADVAN A051T

PATTERN NAME
A051A

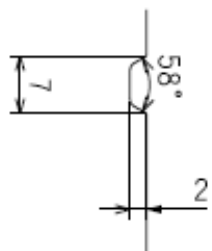
SIZE 210/650R18



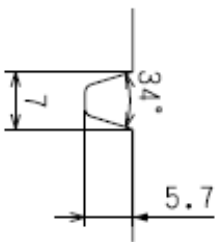
SEC. A1-A2



SEC. B-B



SEC. C-C



SEC. E-E

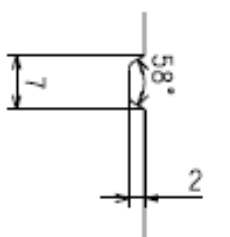
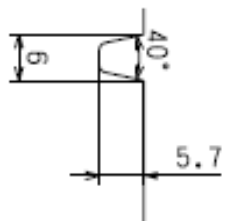
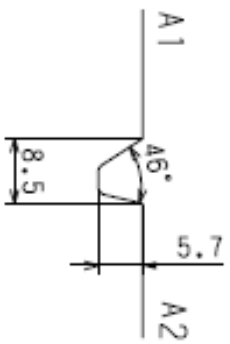
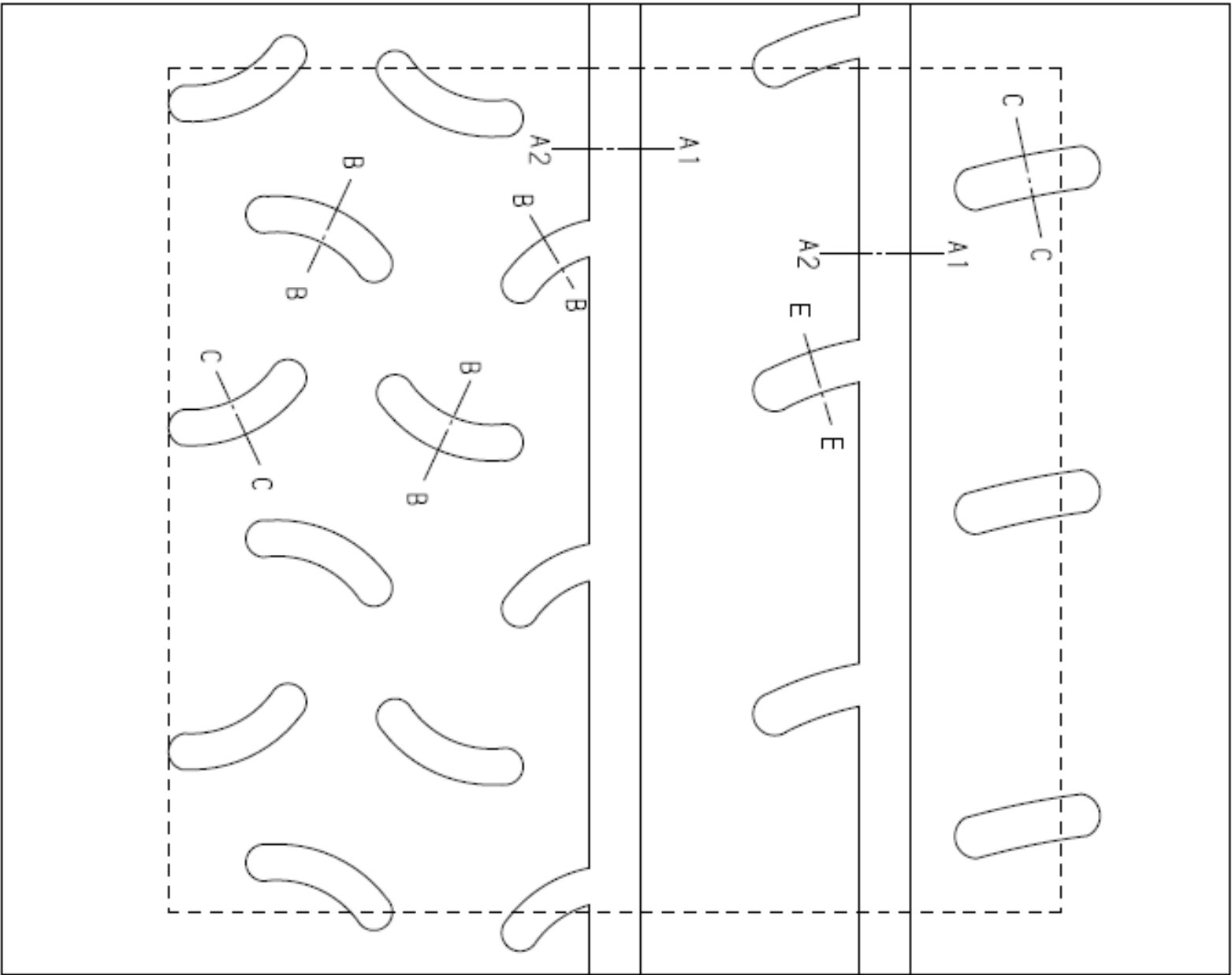
In the control area
5.5mm grooves-18.2%
Total grooves-22.0%

----- Control area 148X140

PRODUCT NAME
YOKOHAMA ADVAN A051T

PATTERN NAME
A051A

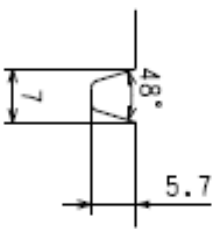
SIZE 190/625R17



SEC. A1-A2

SEC. B-B

SEC. C-C



SEC. E-E

In the control area
5.5mm grooves-17.9%
Total grooves-21.6%

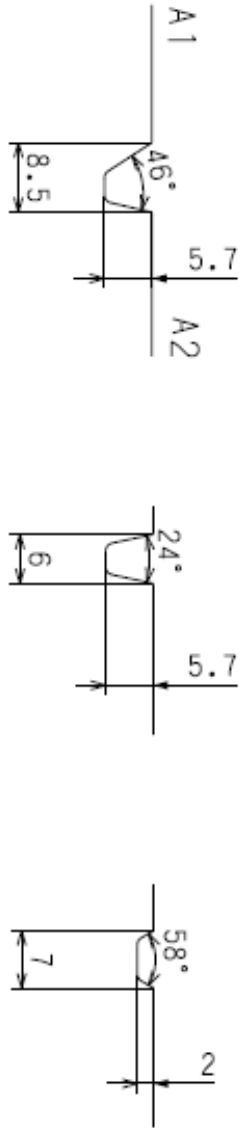
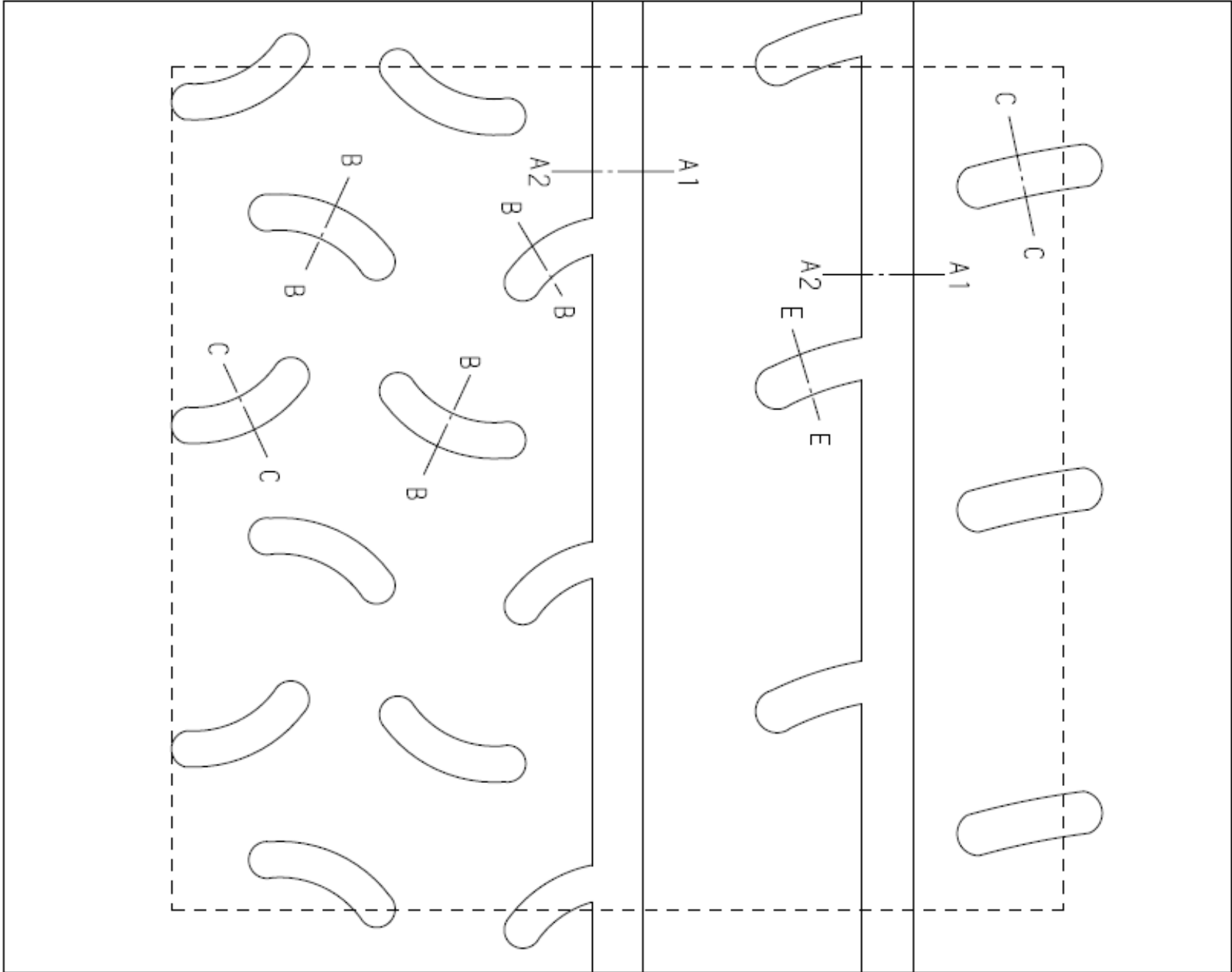
----- Control area 170X140

PRODUCT NAME
YOKOHAMA ADVAN A051T

PATTERN NAME
A051A

SIZE 210/625R17

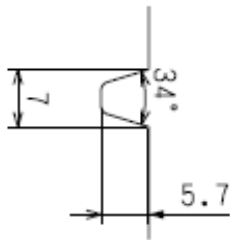
16" – 190/600-16



SEC. A1-A2

SEC. B-B

SEC. C-C



SEC. E-E

In the control area
5.5mm grooves-18.1%
Total grooves-21.9%

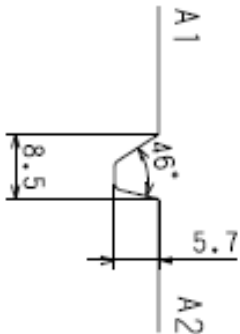
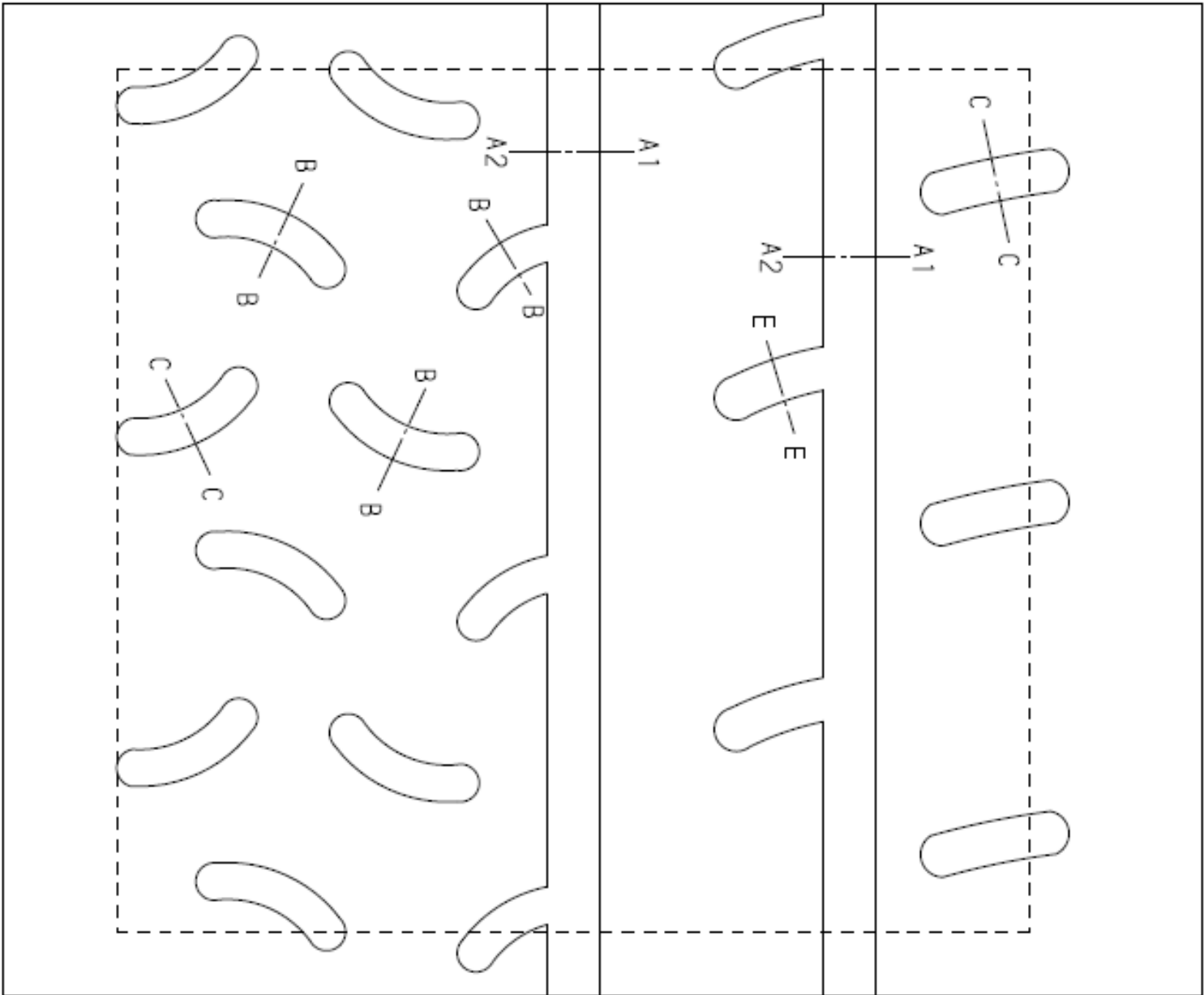
----- Control area 148X140

PRODUCT NAME
YOKOHAMA ADVAN A051T

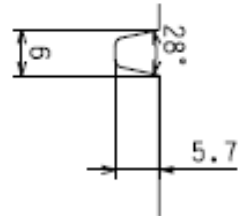
PATTERN NAME
A051A

SIZE 190/600R16

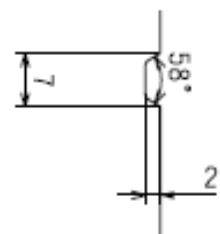
15" – 190/580-15



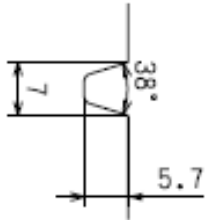
SEC. A1-A2



SEC. B-B



SEC. C-C



SEC. E-E

In the control area
5.5mm grooves-18.2%
Total grooves-21.6%

----- Control area 148X140

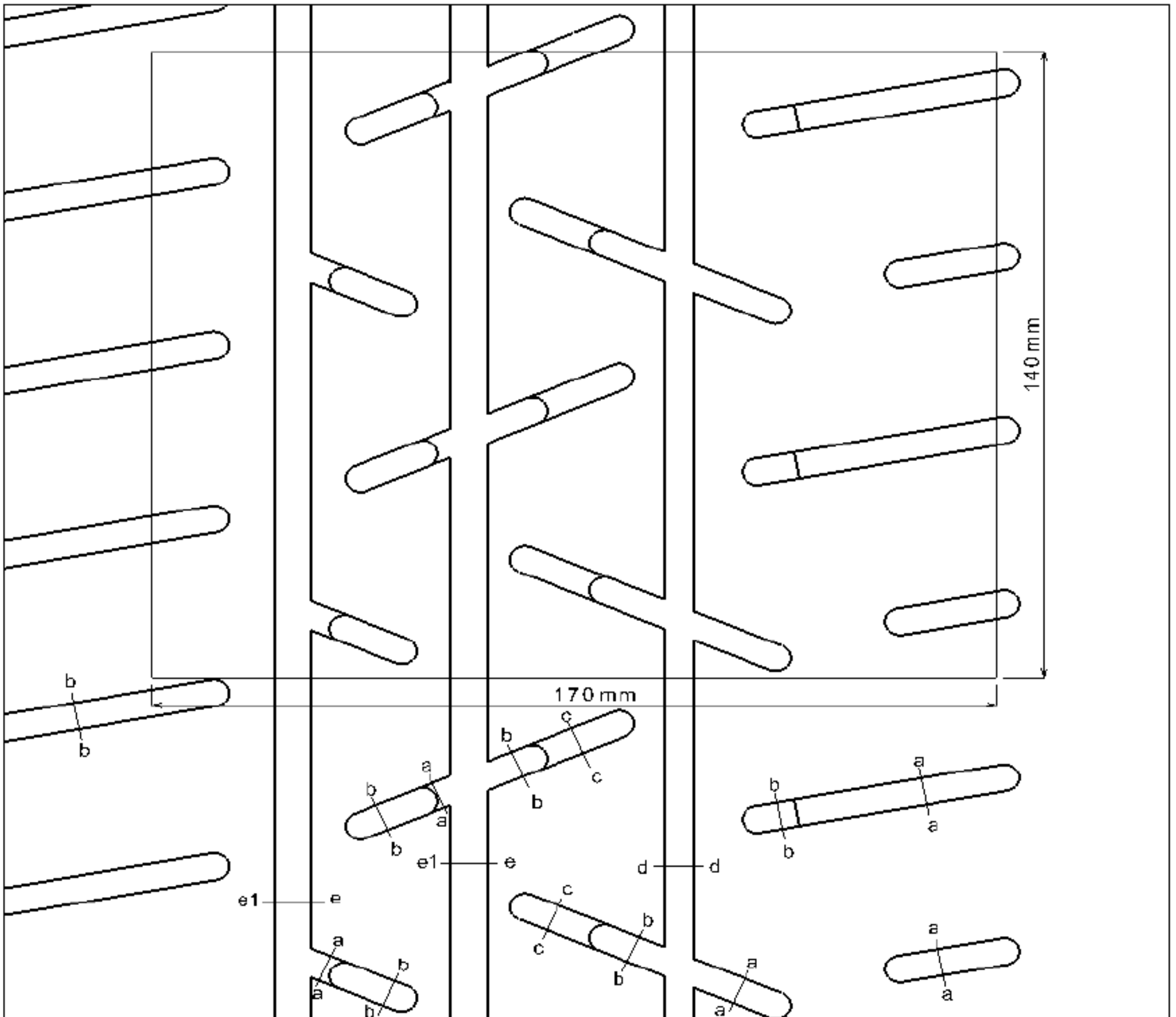
PRODUCT NAME
YOKOHAMA ADVAN A051T

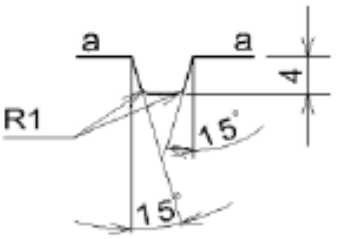
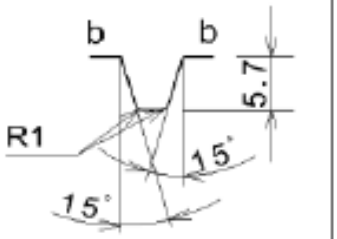
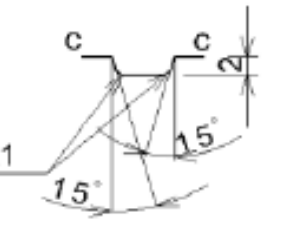
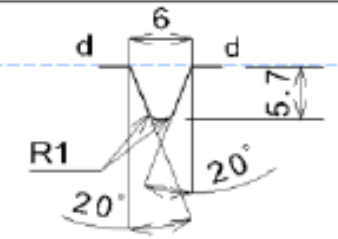
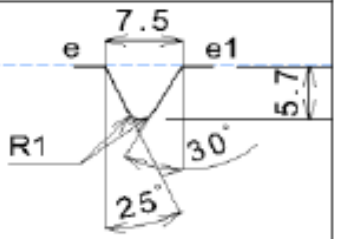
PATTERN NAME
A051A

SIZE 190/580R15

18" - 210/650R18

Product : Ventus Z205



Sec. a-a	Sec. b-b	Sec. c-c
		
Sec. d-d	Sec. e-e1	
		

Claass 9" (Rim 8")

Empty Depth > 5.5mm : 17.07%

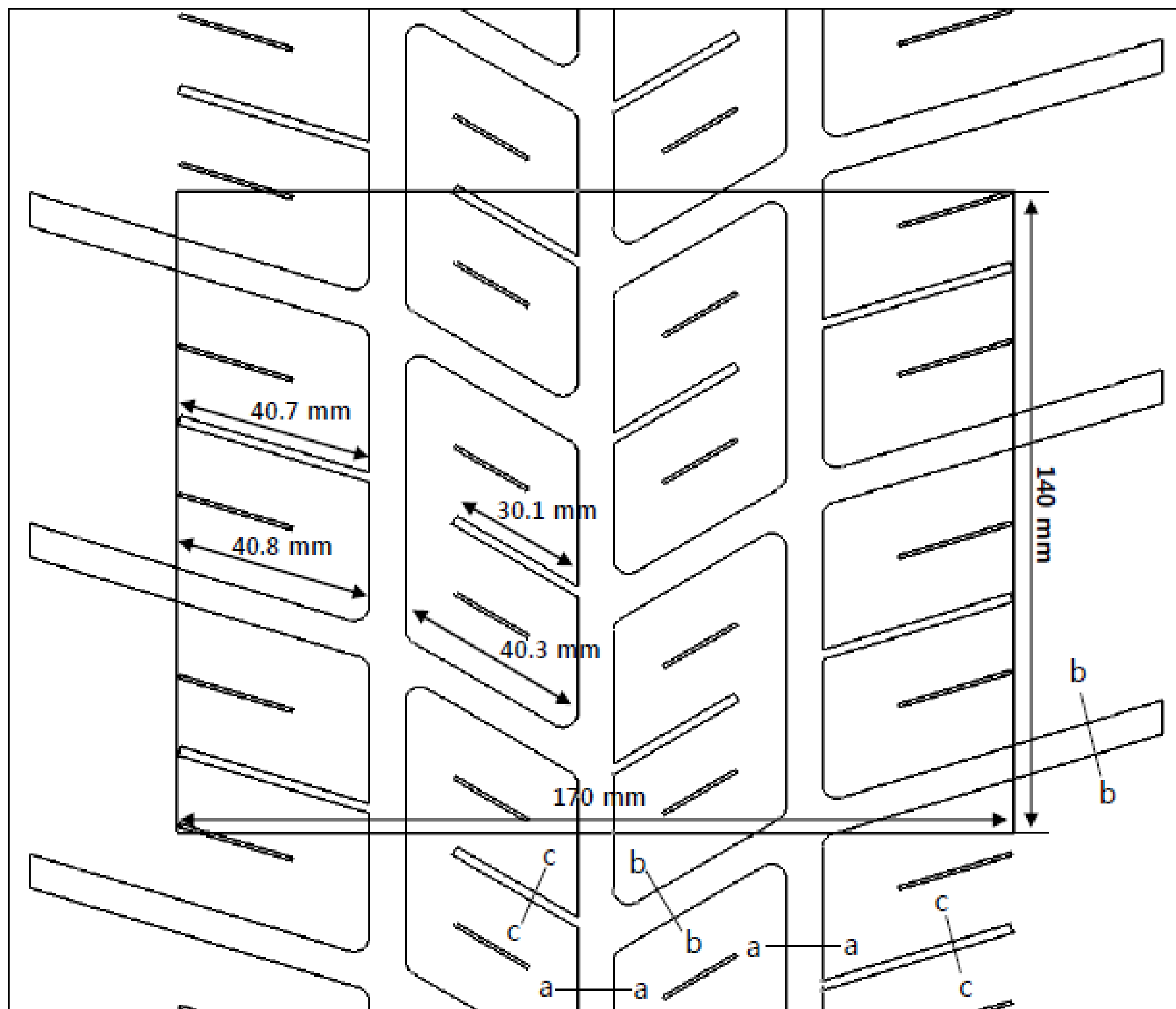
Empty Depth > 1.8mm : 23.30%

GROOVE SURFACE AREA = 554540 mm²

Control Surface = 23800 mm²

18" - 210/650R18

Product : Ventus Z210



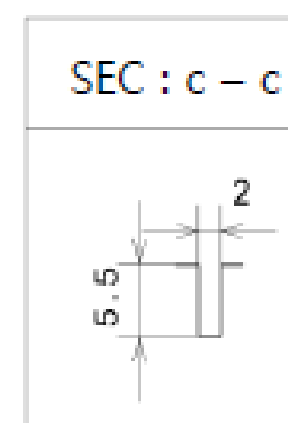
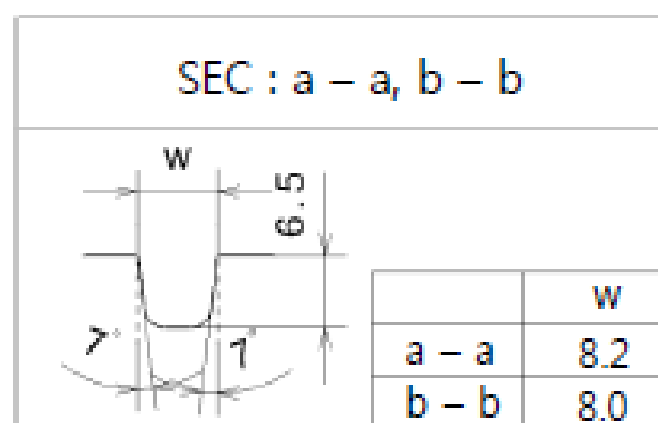
Class 9" (Rim 8")

a – a groove width / depth : 8.2 mm / 6.5 mm

b – b groove width / depth : 8.0 mm / 6.5 mm

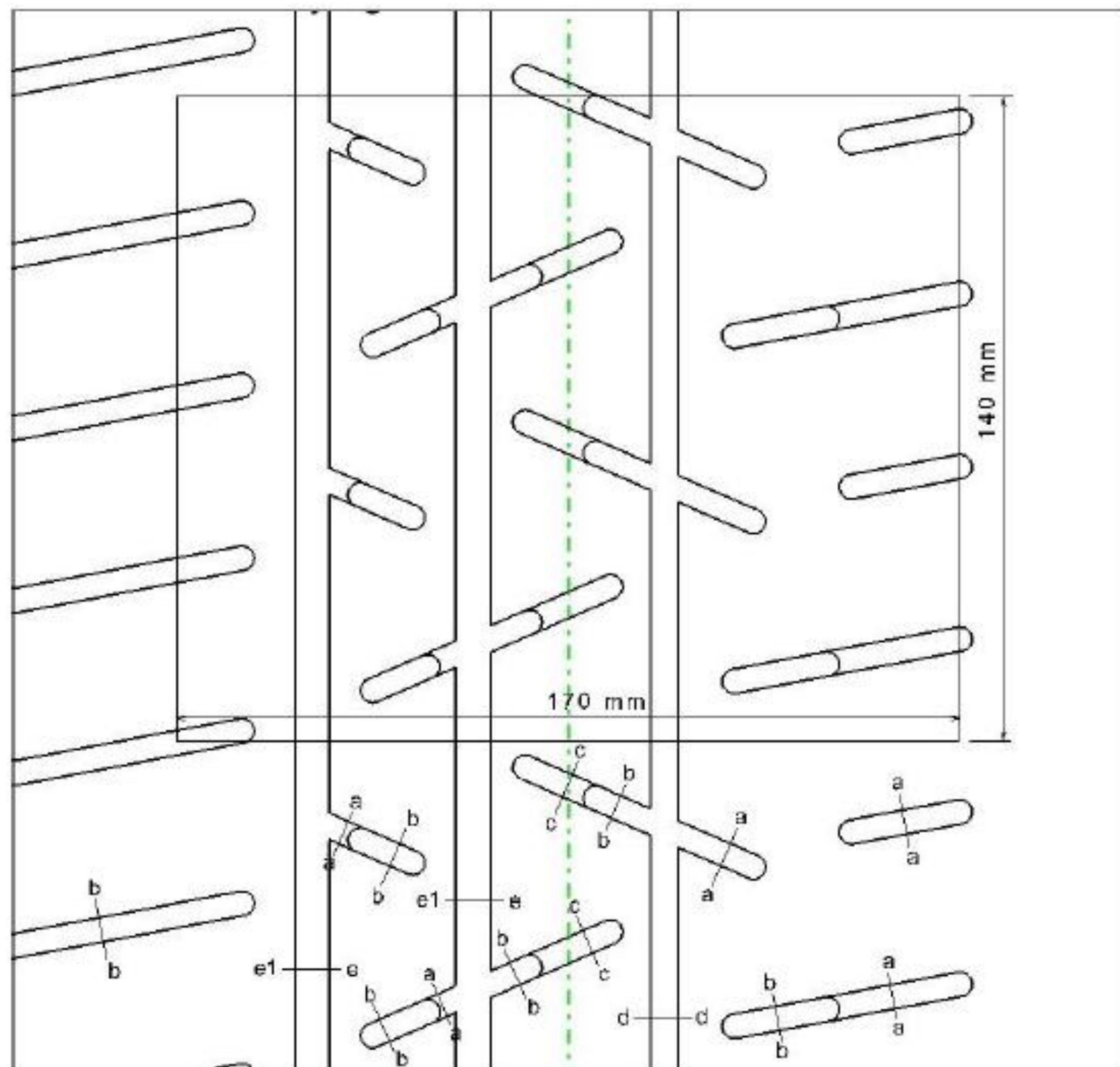
Empty Depth > 5.5mm : 27.5%

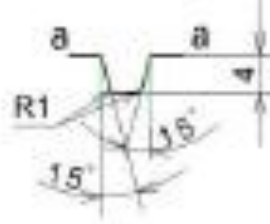
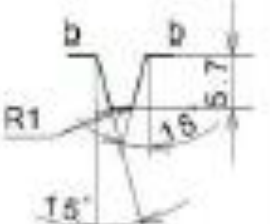
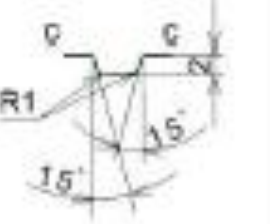
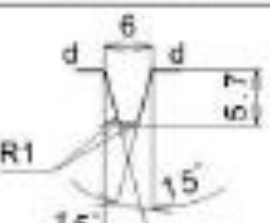
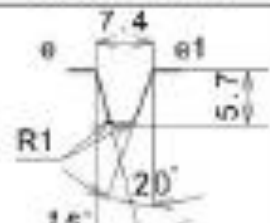
Control Surface = 23800 mm²



17" - 210/625R17

Product : Ventus Z205



Sec. a-a	Sec. b-b	Sec. c-c
		
Sec. d-d	Sec. e-e1	
		

Class 9" (Rim 7.5")

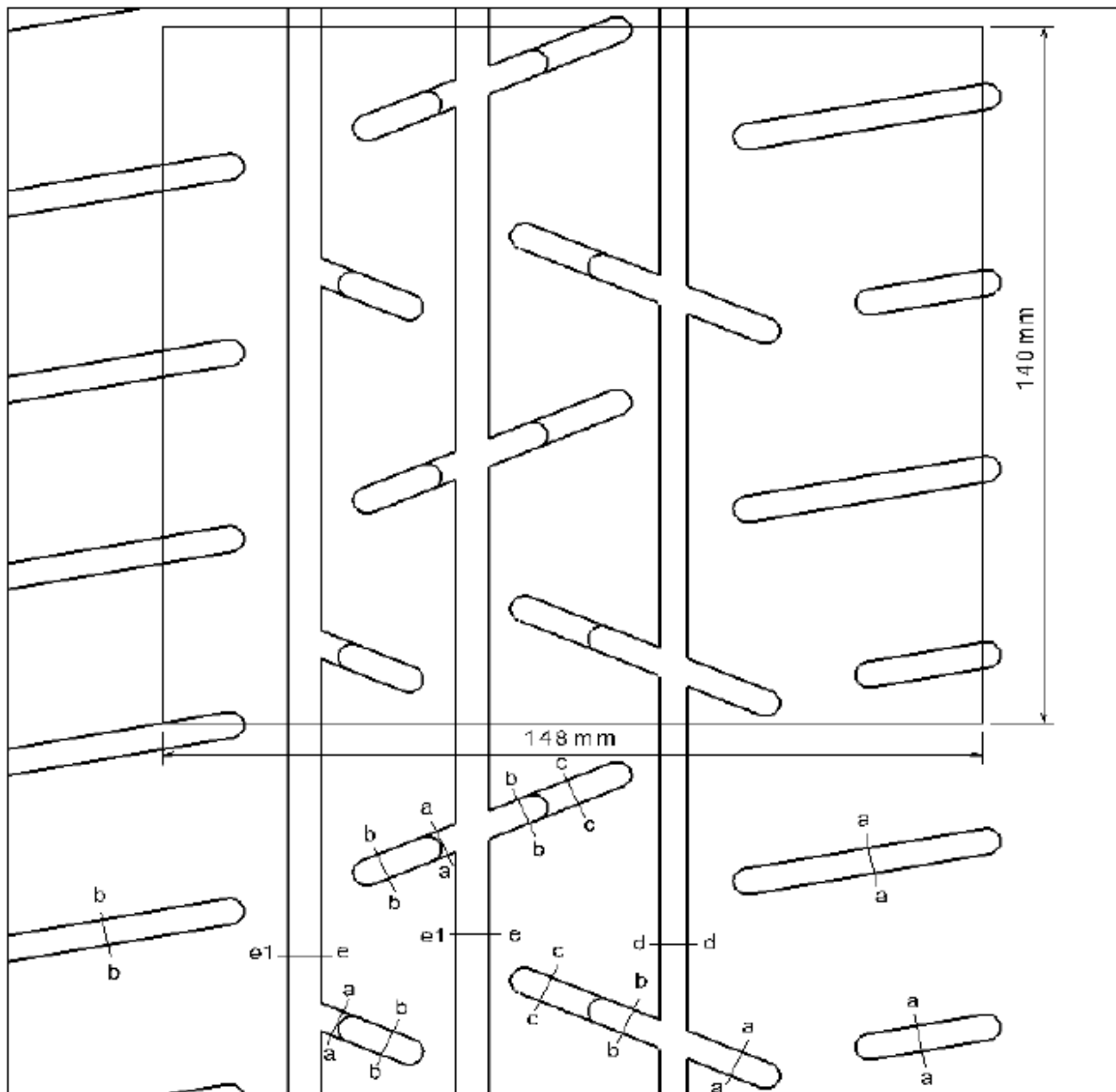
Empty Depth > 5.5mm : 17.05%

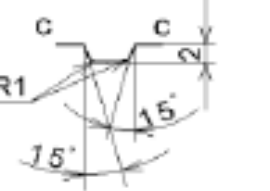
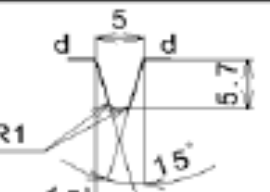
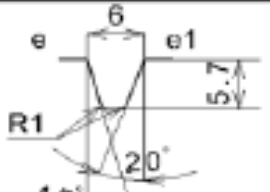
Empty Depth > 1.8mm : 25.08%

Control Surface = 23800 mm²

17" - 180/625R17

Product : Ventus Z205



Sec. a-a	Sec. b-b	Sec. c-c
		
Sec. d-d	Sec. e-e1	
		

Class 8" (Rim 7")

Empty Depth > 5.5mm : 17.06%

Empty Depth > 1.8mm : 22.48%

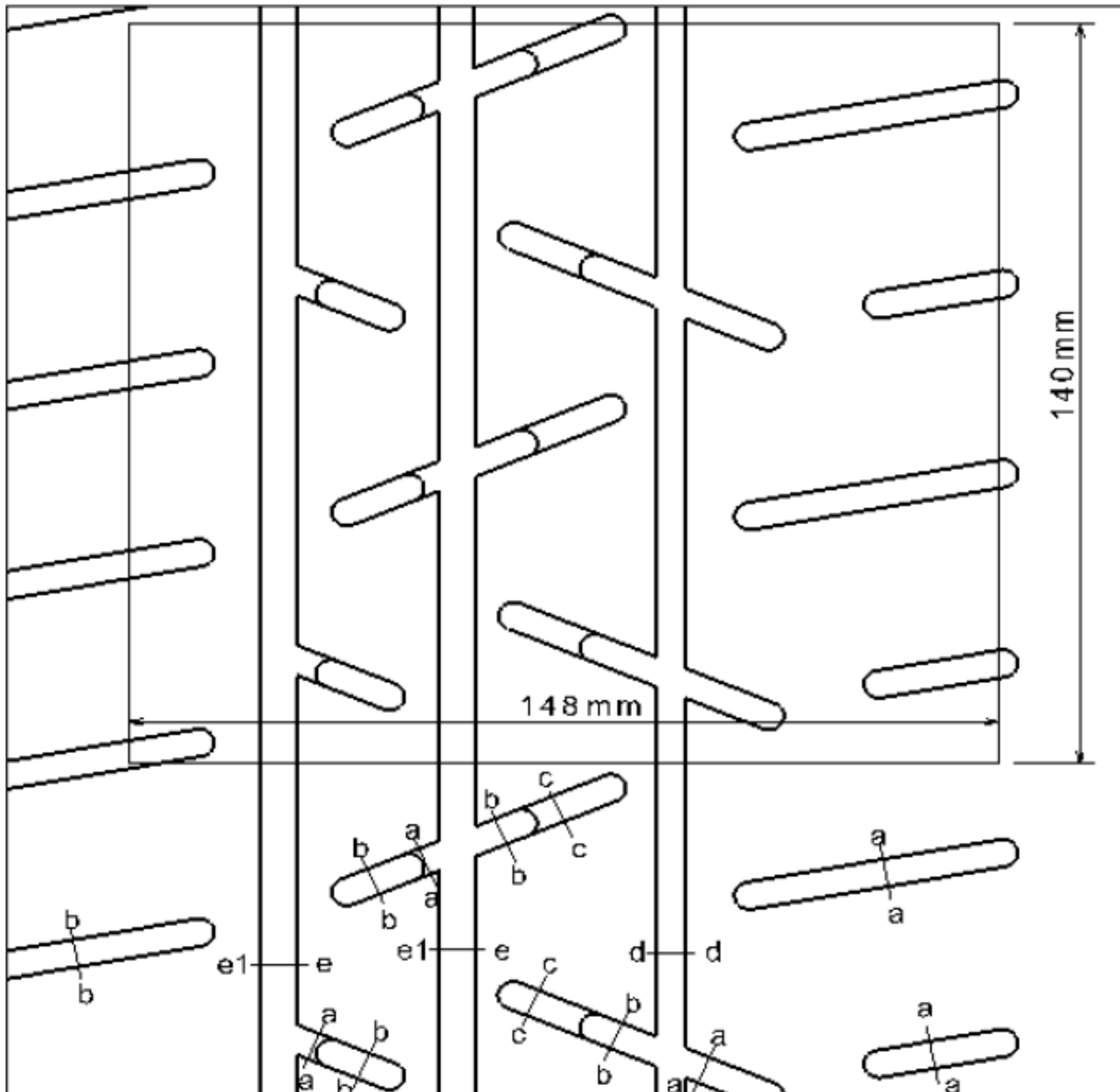
8

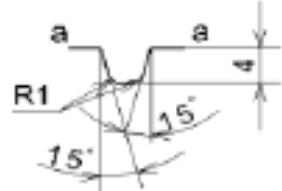
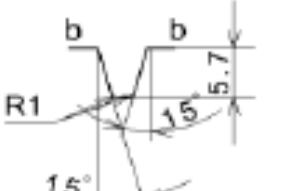
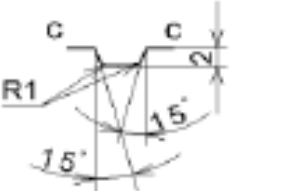
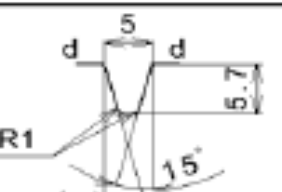
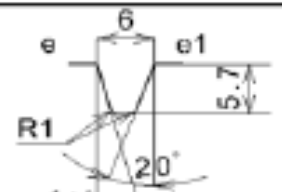
GROOVE SURFACE AREA = 353483.2 mm²

Control Surface = 20720 mm²

16" - 180/600R16

Product : Ventus Z205



Sec. a-a	Sec. b-b	Sec. c-c
		
Sec. d-d	Sec. e-e1	
		

Class 8" (Rim 6.5")

Empty Depth > 5.5mm : 17.30%

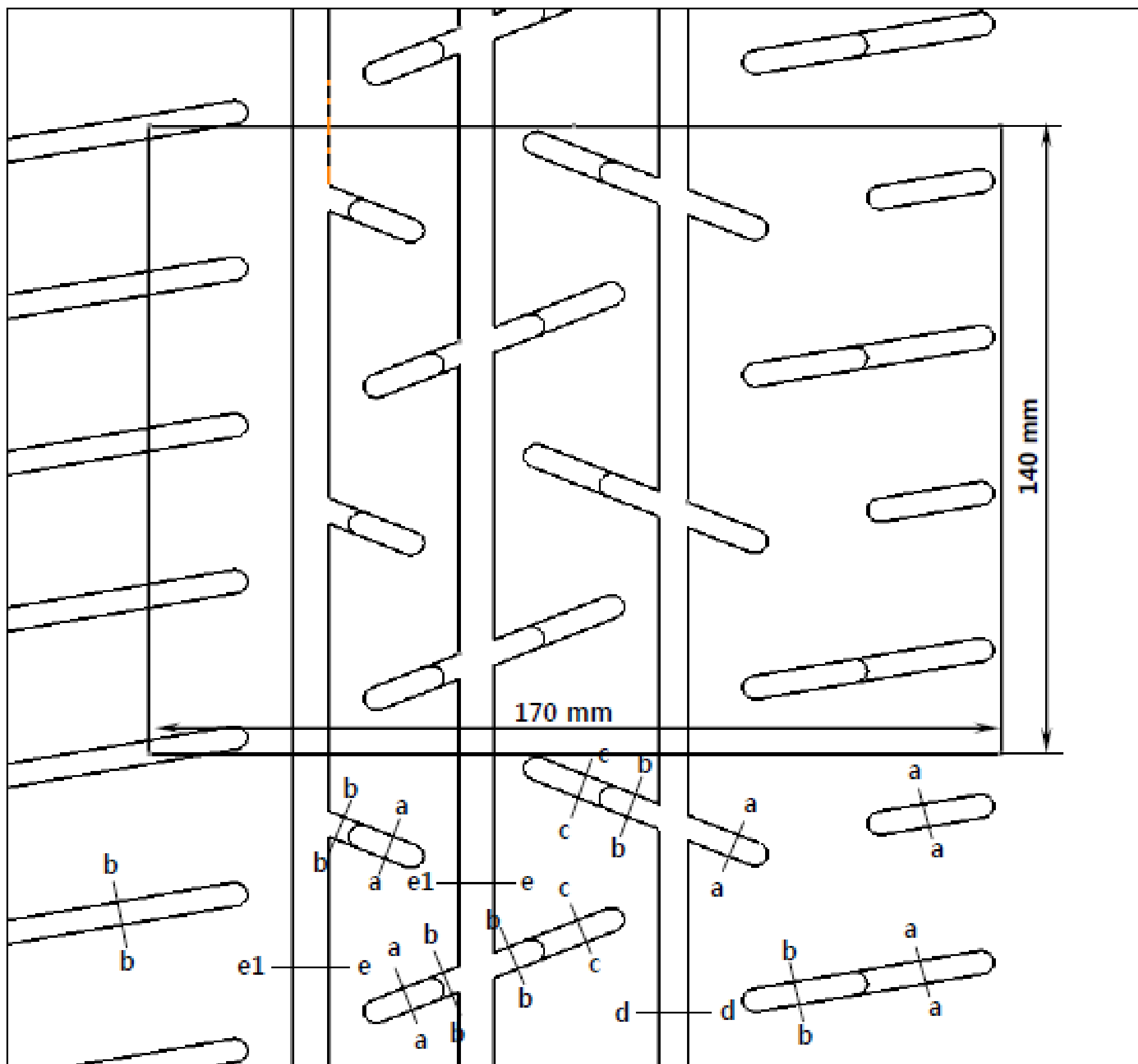
Empty Depth > 1.8mm : 22.95%

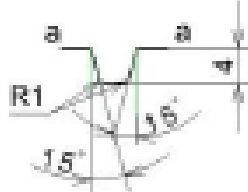
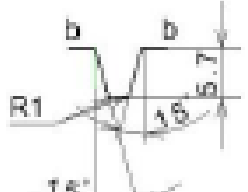
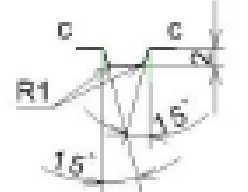
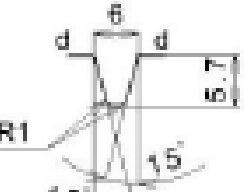
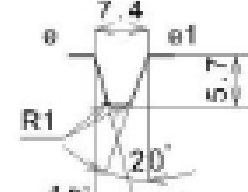
GROOVE SURFACE AREA = 358456 mm²

Control Surface = 20720 mm²

15" - 200/580R15

Product : Ventus Z205



Sec. a-a	Sec. b-b	Sec. c-c
		
Sec. d-d	Sec. e-e1	
		

Class 9" (Rim 7.0")

Empty Depth > 5.5mm : 17.06%

Empty Depth > 1.8mm : 25.07%

Control Surface = 23800 mm²

KUMHO TYRES

18" - 210/645R18

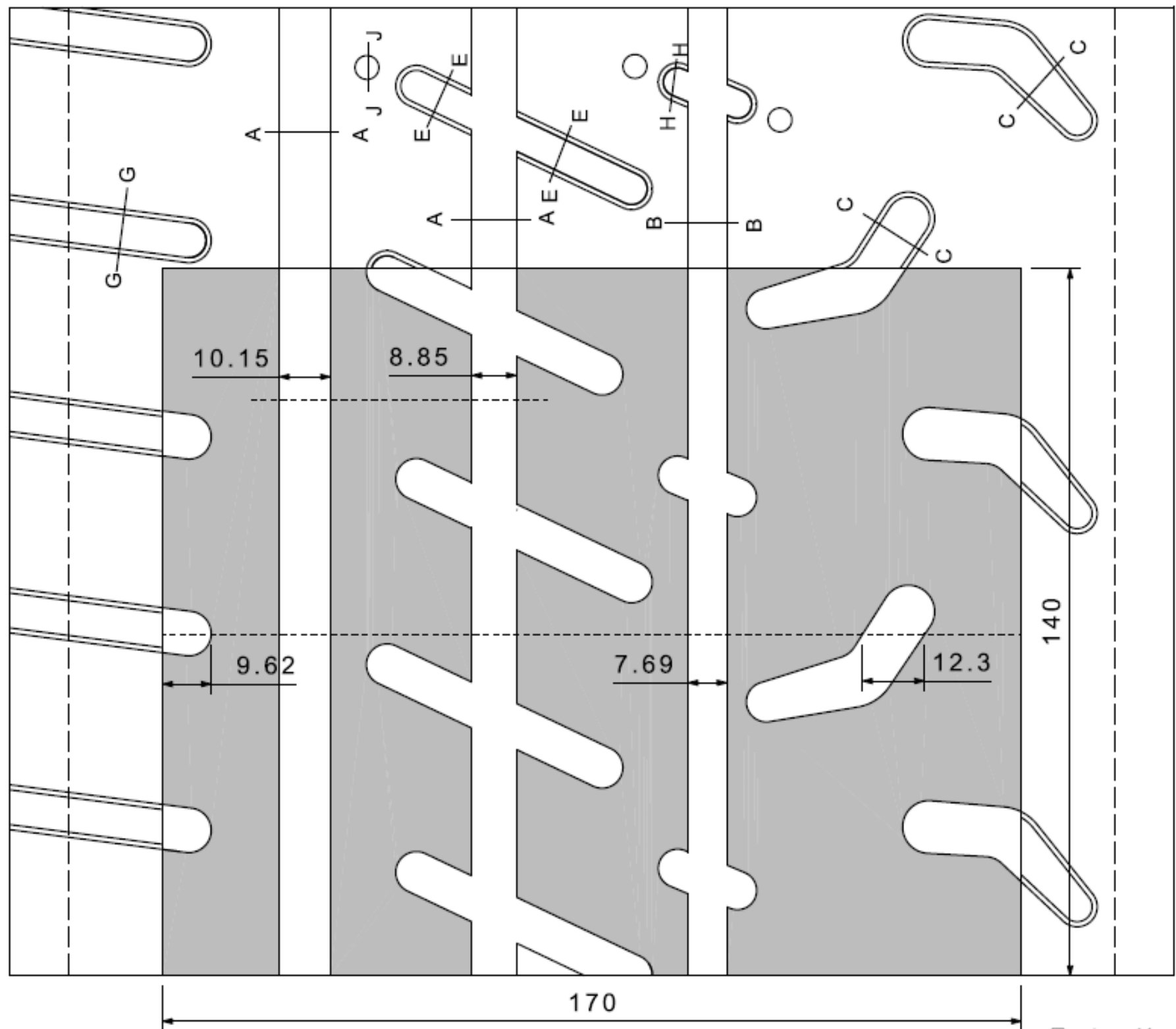
Moulded tyre for FIA homologation

Size : 210/645R18

Pattern : TM01

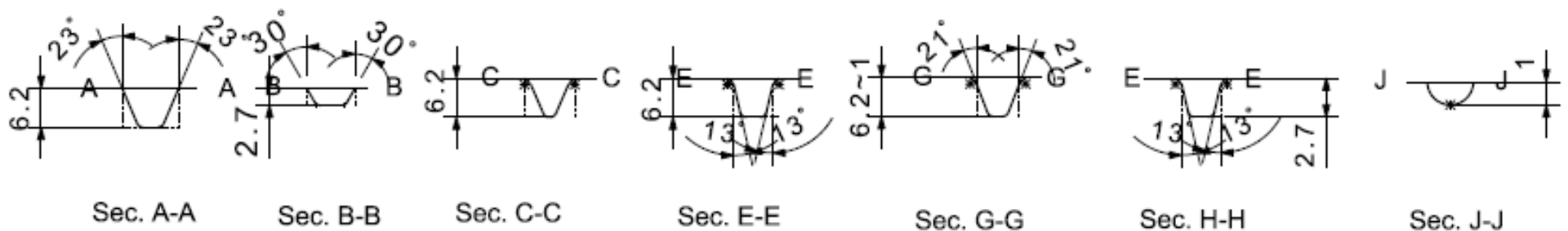
On the basis of a tread pattern width of 170mm and circumference of 140mm

- * The surface taken up by grooves at least 5.5 mm deep, with a maximum angle of 60° between the block in section and 2mm wide, must occupy at least 17% of the total surface.
- * The surface taken up by grooves at least 1.8 mm deep, with a maximum angle of 60° between the block in section and 2mm wide, must occupy at least 21.5% of the total surface.
- * The sum of the width of the grooves encountered by a radial line must be at least 16mm
- * At least 2 circumferential lines / Minimum total width of circumferential lines at least 12mm



Scale: 1:1

Groove Area by 170 x 140 at least 1.8mm deep : 5815.4mm²
 Void % : 24.4%
 Groove Area by 170 x 140 at least 5.5mm deep : 4580.7mm²
 Void % : 19.2%





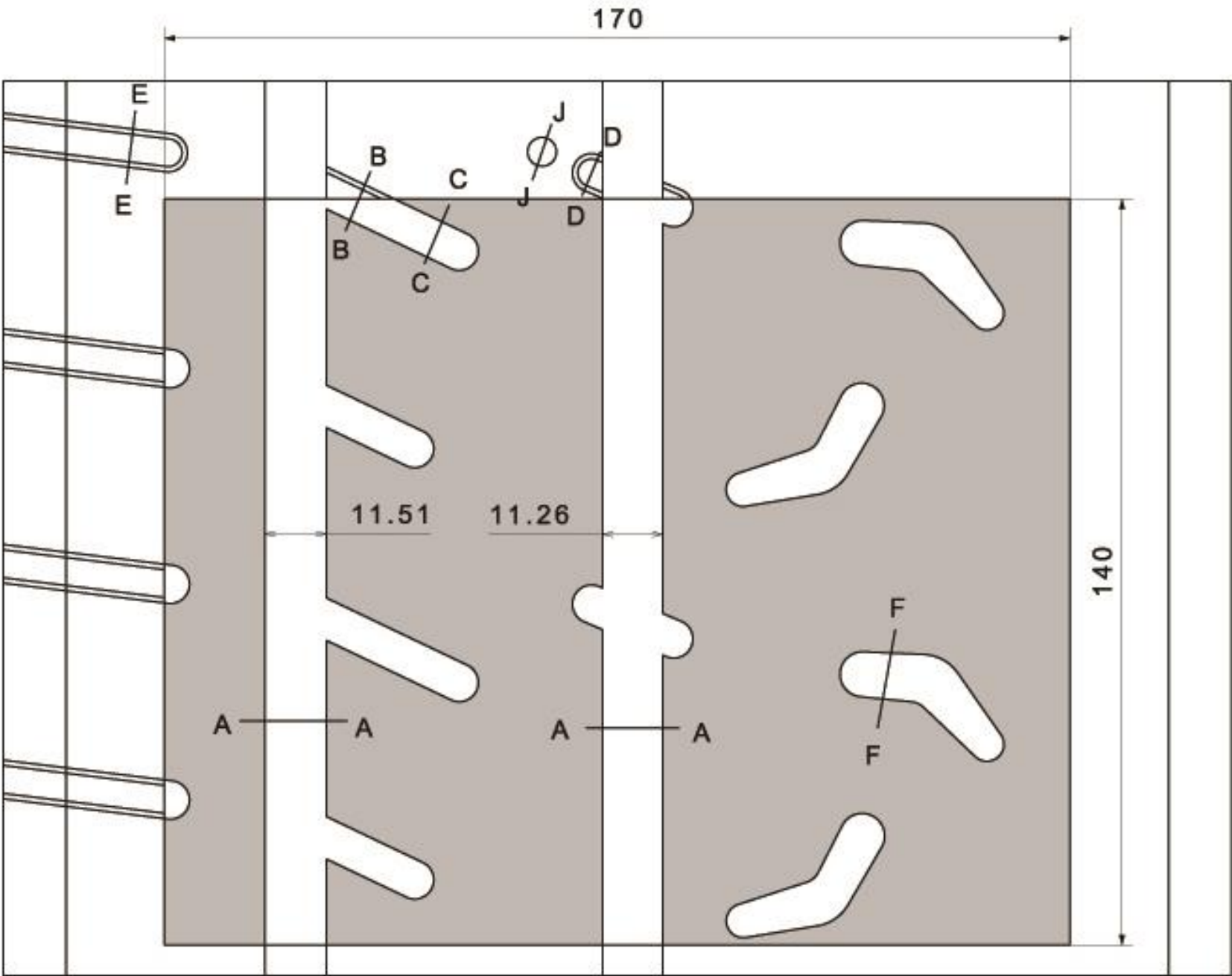
KUMHO TYRES

18" - 210/645R18

KUMHO TIRE

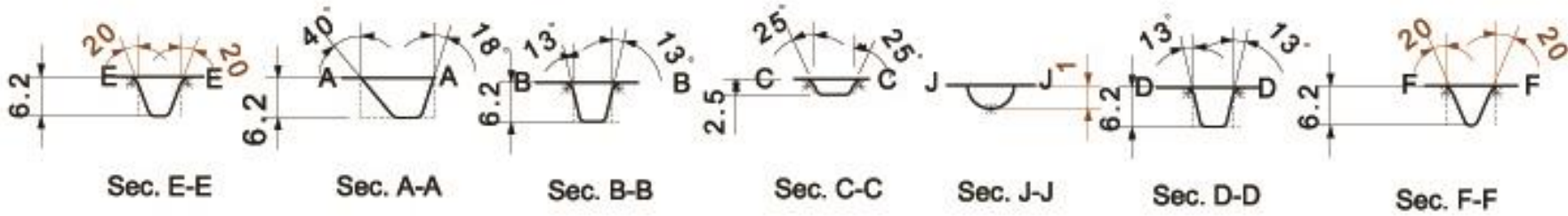
Moulded tyre for FIA homologation
Size : 210/645R18
Pattern : TM02

- On the basis of a tread pattern width of 170mm and circumference of 140mm
- The surface taken up by grooves at least 5.5 mm deep, with a maximum angle of 60° between the block in section and 2mm wide, must occupy at least 17% of the total surface.
 - The surface taken up by grooves at least 1.8 mm deep, with a maximum angle of 60° between the block in section and 2mm wide, must occupy at least 21.5% of the total surface.
 - The sum of the width of the grooves encountered by a radial line must be at least 16mm
 - At least 2 circumferential lines / Minimum total width of circumferential lines at least 12mm



Scale 1:1

Groove Area by 170 x 140 at least 1.8mm deep : 5159mm²
Void % : 21.7%
Groove Area by 170 x 140 at least 5.5mm deep : 4446mm²
Void % : 18.7%





KUMHO TYRES

18" - 210/645R18

KUMHO TIRE

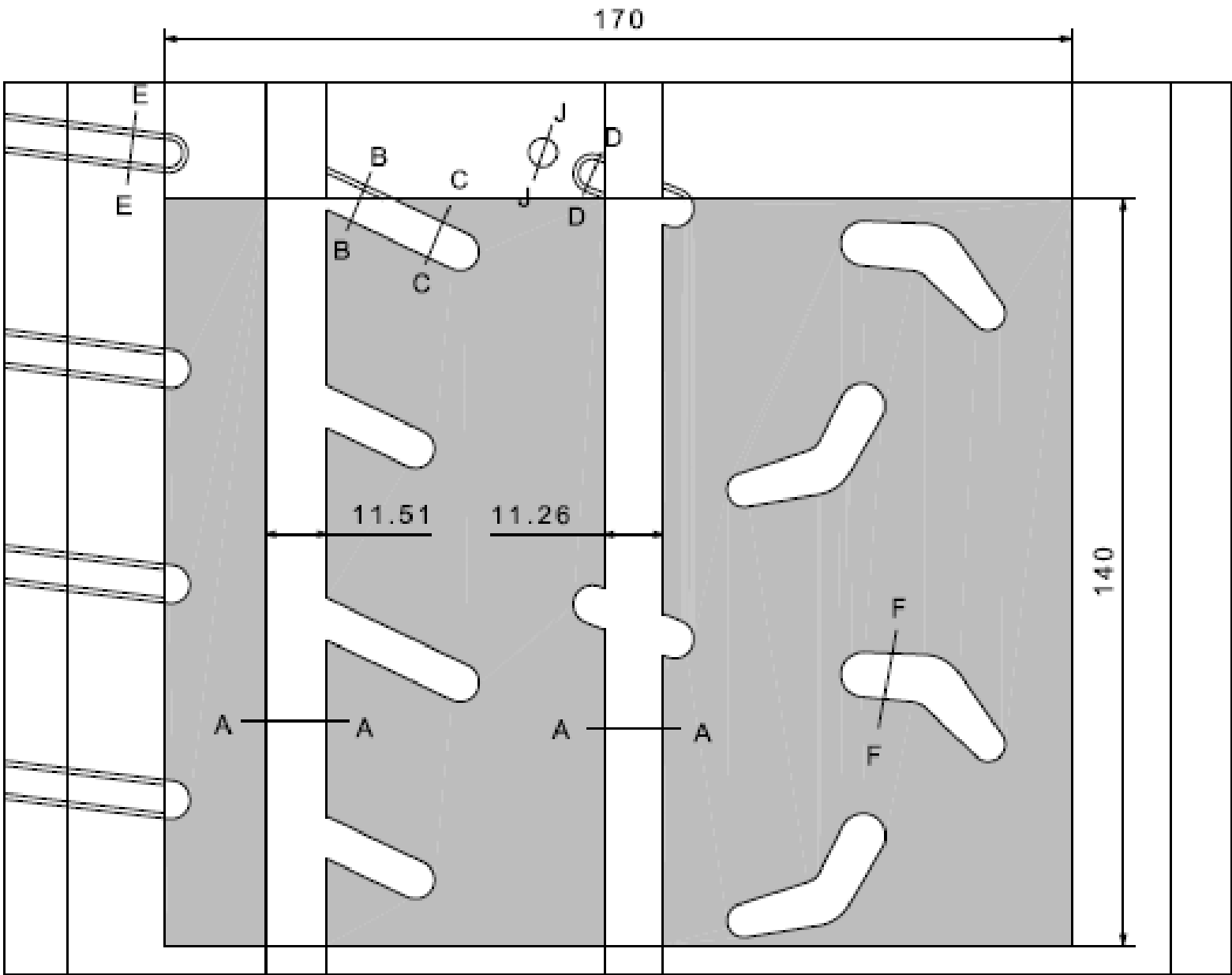
Moulded tyre for FIA homologation

Size : 210/645R18

Pattern : TM02

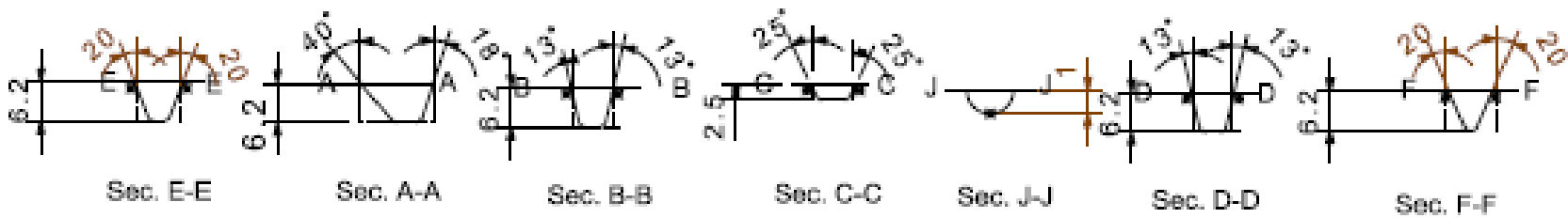
On the basis of a tread pattern width of 170mm and circumference of 140mm

- The surface taken up by grooves at least 5.5 mm deep, with a maximum angle of 60° between the block in section and 2mm wide, must occupy at least 17% of the total surface.
- The surface taken up by grooves at least 1.8 mm deep, with a maximum angle of 60° between the block in section and 2mm wide, must occupy at least 21.5% of the total surface.
- The sum of the width of the grooves encountered by a radial line must be at least 16mm
- At least 2 circumferential lines / Minimum total width of circumferential lines at least 12mm



Scale 1:1

Groove Area by 170 x 140 at least 1.8mm deep : 5159mm²
Void % : 21.7%
Groove Area by 170 x 140 at least 5.5mm deep : 4446mm²
Void % : 18.7%





KUMHO TYRES

18" - 210/645R18

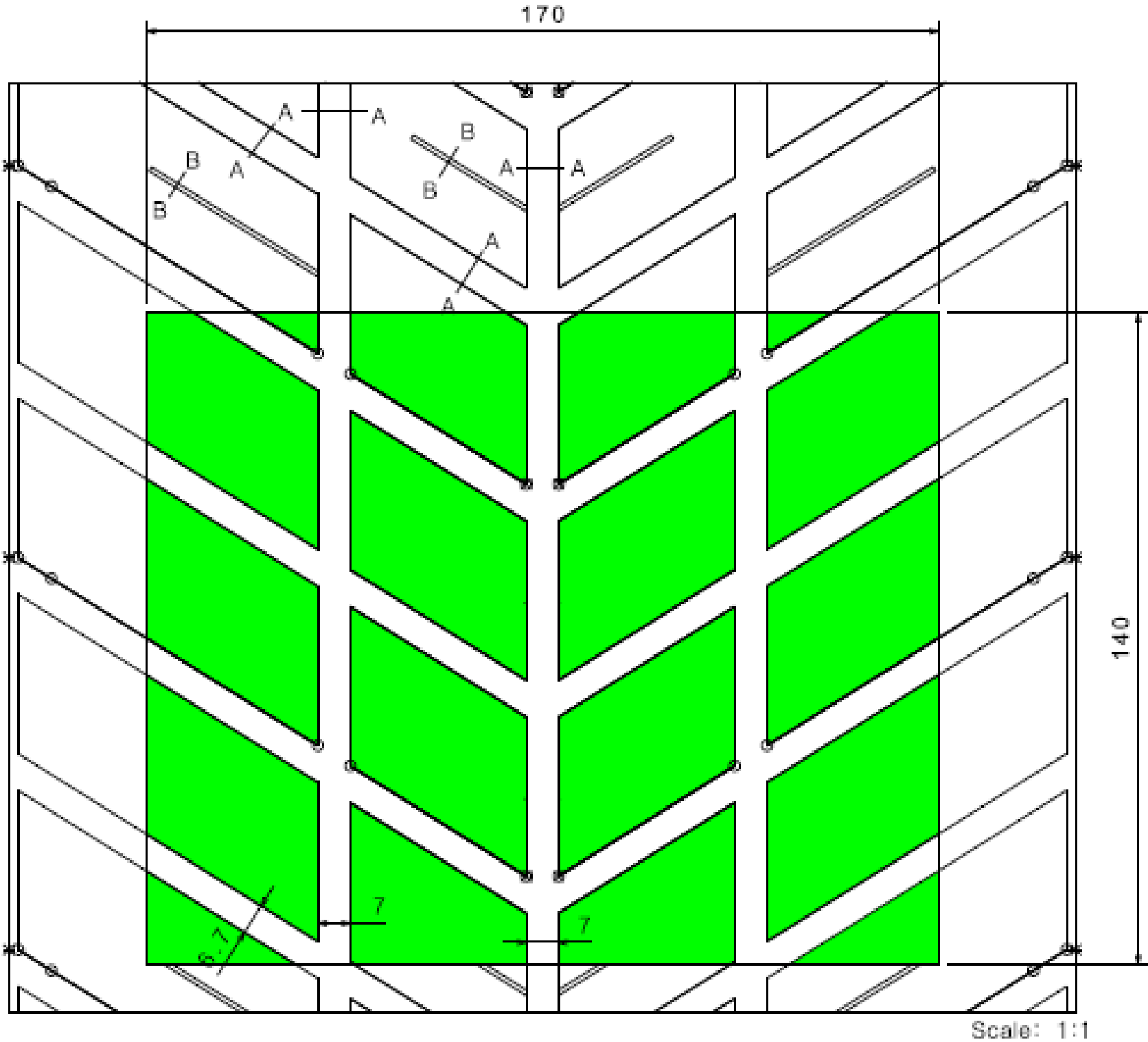
KUMHO TIRE

Moulded tyre for FIA homologation

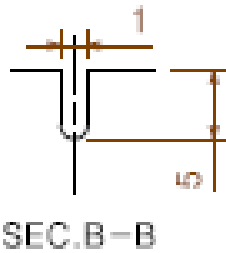
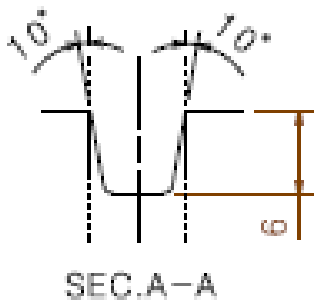
Size : 210/645R18

Pattern : TW03

- On the basis of a tread pattern width of 170mm and circumference of 140mm
- The surface taken up by grooves at least 5.5mm deep must occupy at least 27.5% of the total surface.
 - The sum of the width of the grooves encountered by a radial line must be at least 16mm
 - At least 3 circumferential lines / Minimum total width of circumferential lines at least 4mm



Groove Area by 170 x 140 at least 5.5mm deep : 6789.4mm²
Void % : 28.5%





KUMHO TYRES

17" - 190/630R17

KUMHO TIRE

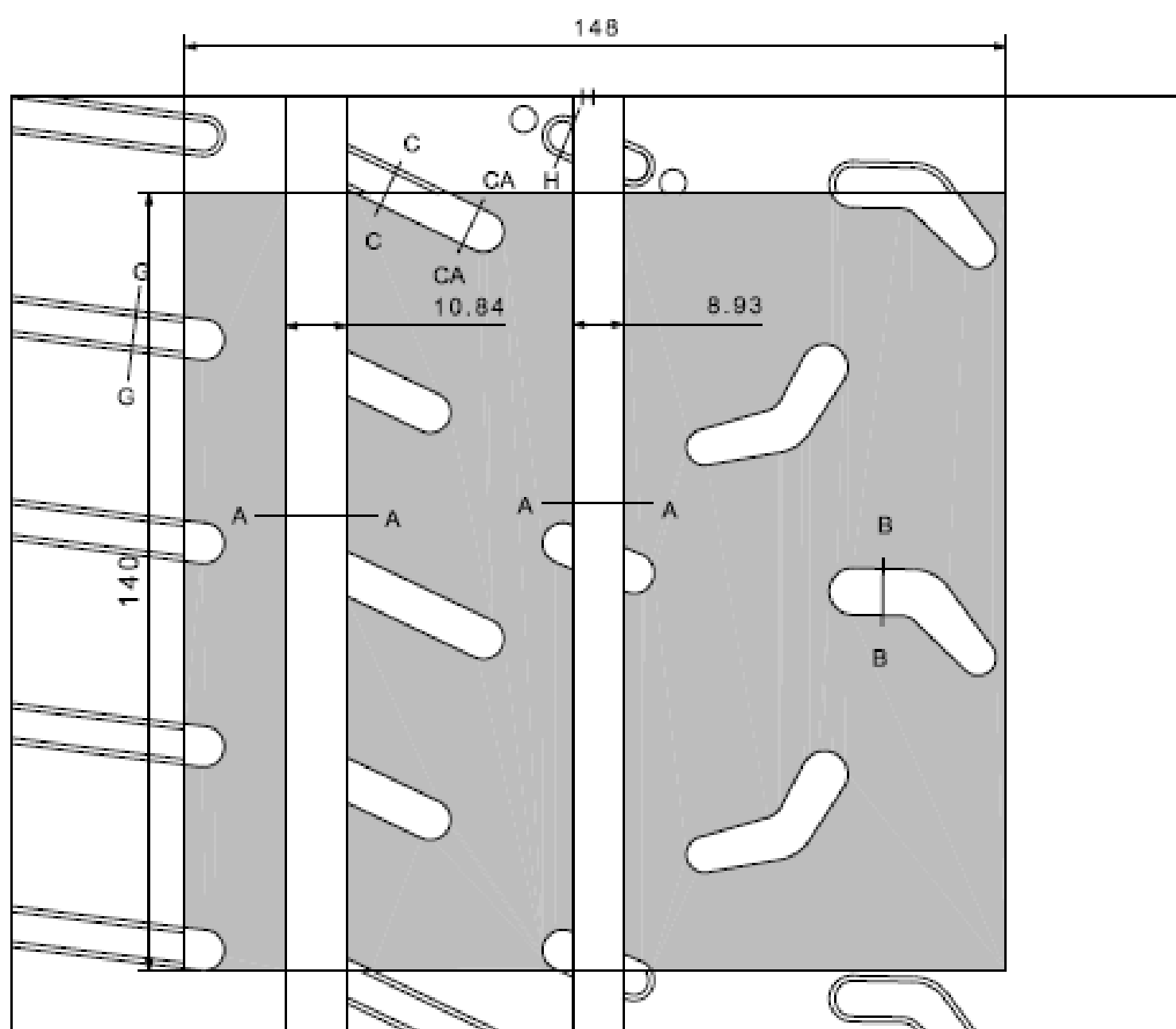
Moulded tyre for FIA homologation

Size : 190/630 R17

Pattern : TM02

On the basis of a tread pattern width of 148mm and circumference of 140mm

- The surface taken up by grooves at least 5.5 mm deep, with a maximum angle of 60° between the block in section and 2mm wide, must occupy at least 17% of the total surface.
- The surface taken up by grooves at least 1.8 mm deep, with a maximum angle of 60° between the block in section and 2mm wide, must occupy at least 21.5% of the total surface.
- The sum of the width of the grooves encountered by a radial line must be at least 16mm
- At least 2 circumferential lines / Minimum total width of circumferential lines at least 12mm

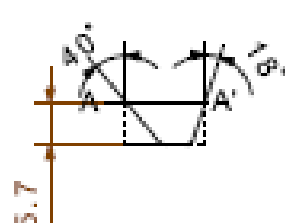


Groove Area by 148 x 140 at least 1.8mm deep : 4579.1mm²

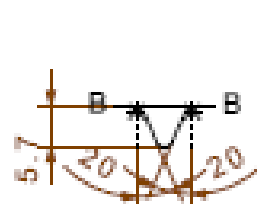
Void % : 22.1%

Groove Area by 148 x 140 at least 5.5mm deep : 3688.1mm²

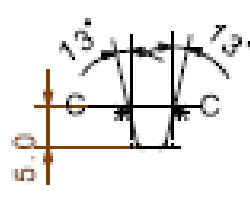
Void % : 17.8%



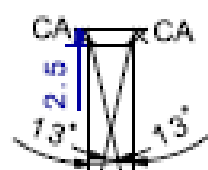
Sec. A-A'



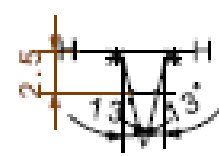
Sec. B-B



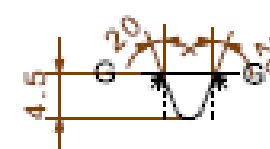
Sec. C-C



Sec. CA-CA



Sec. H-H



Sec. G-G



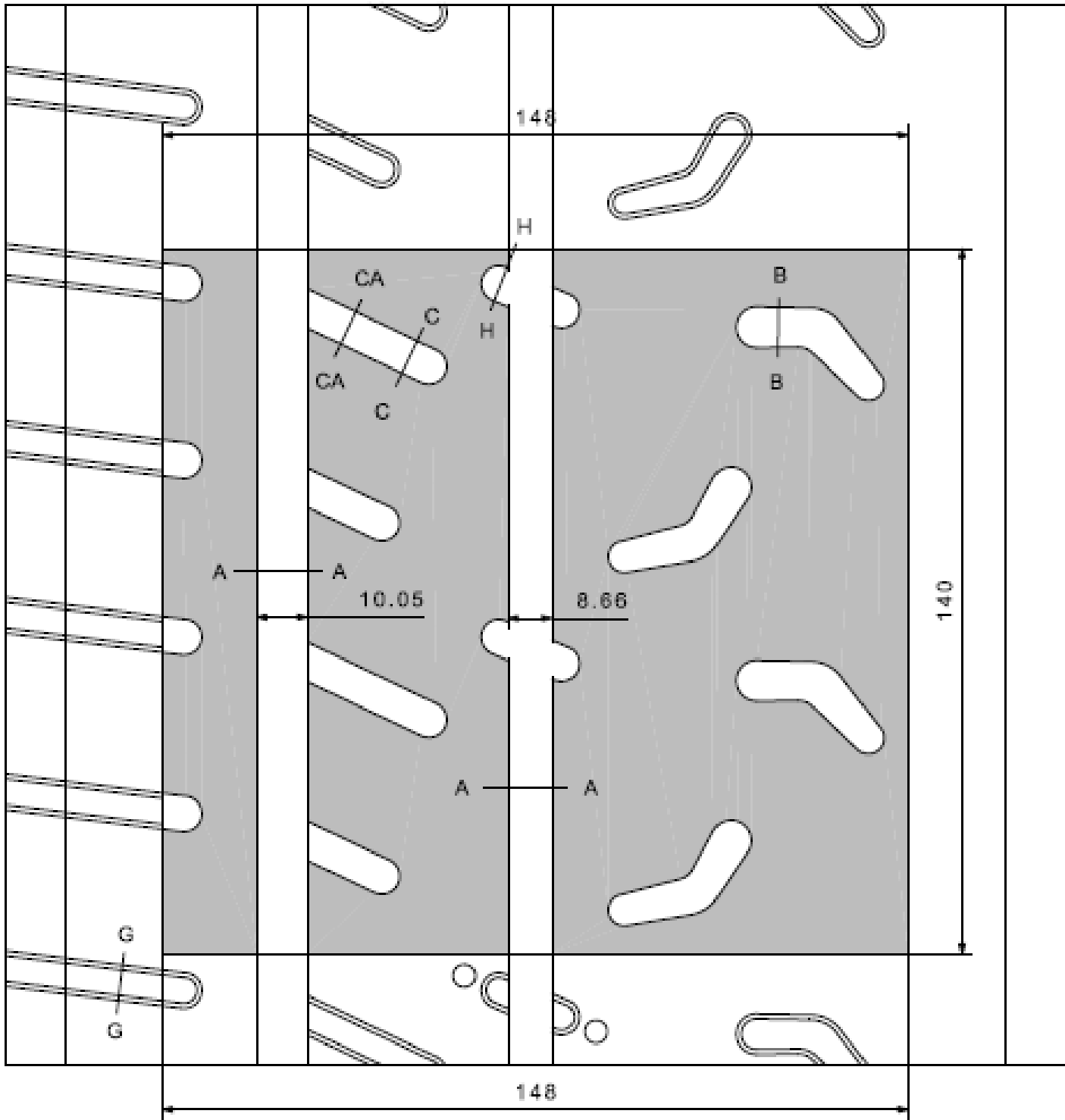
KUMHO TYRES

16" - 190/600R16

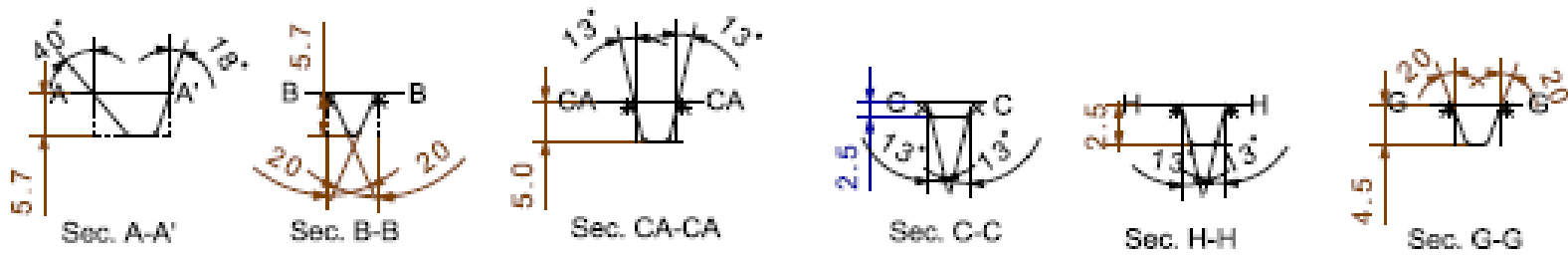
KUMHO TIRE

Moulded tyre for FIA homologation
Size : 190/600 R16
Pattern : TM02

- On the basis of a tread pattern width of 148mm and circumference of 140mm
- The surface taken up by grooves at least 5.5 mm deep, with a maximum angle of 60° between the block in section and 2mm wide, must occupy at least 17% of the total surface.
 - The surface taken up by grooves at least 1.8 mm deep, with a maximum angle of 60° between the block in section and 2mm wide, must occupy at least 21.5% of the total surface.
 - The sum of the width of the grooves encountered by a radial line must be at least 16mm
 - At least 2 circumferential lines / Minimum total width of circumferential lines at least 12mm



Groove Area by 148 x 140 at least 1.8mm deep : 4579.1mm²
Void % : 22.1%
Groove Area by 148 x 140 at least 5.5mm deep : 3584.5mm²
Void % : 17.3%





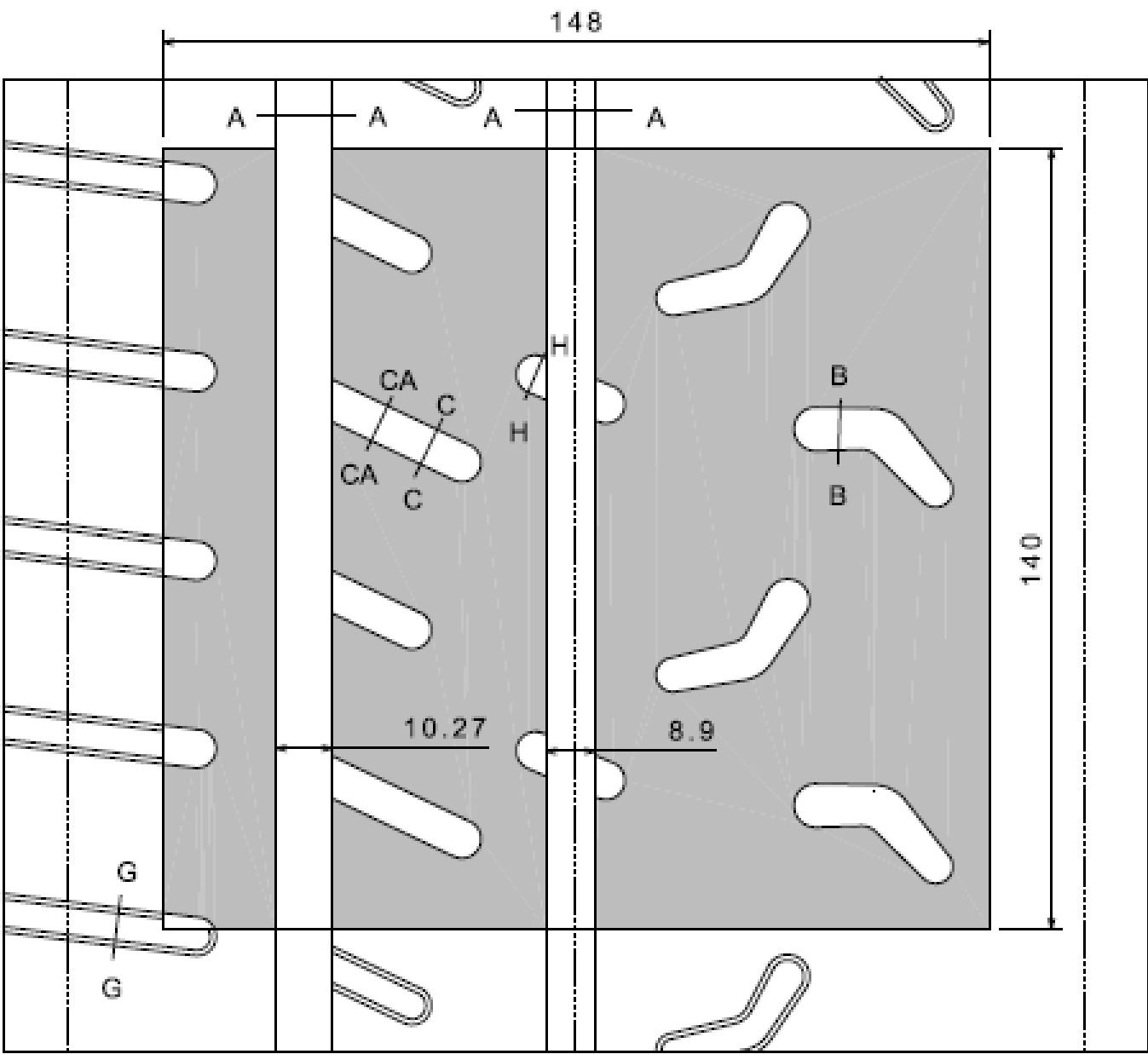
KUMHO TYRES

15" - 180/580R15

KUMHO TIRE

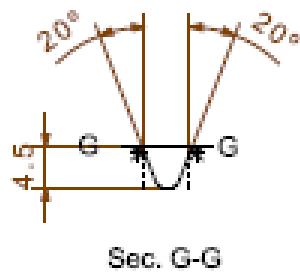
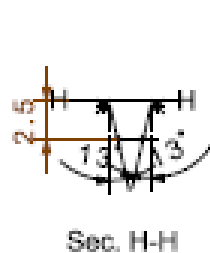
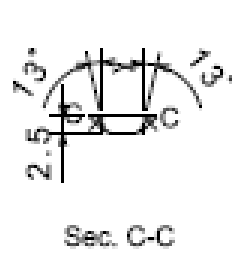
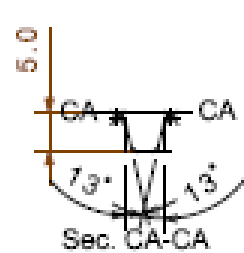
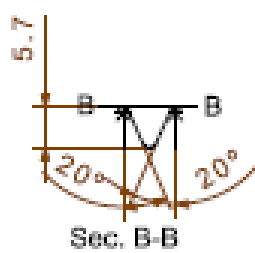
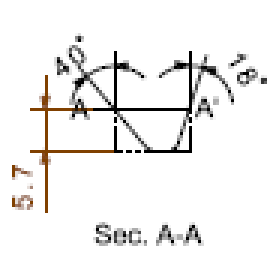
Moulded tyre for FIA homologation
Size : 180/580 R15
Pattern : TM02

- On the basis of a tread pattern width of 148mm and circumference of 140mm
- The surface taken up by grooves at least 5.5 mm deep, with a maximum angle of 60° between the block in section and 2mm wide, must occupy at least 17% of the total surface.
 - The surface taken up by grooves at least 1.8 mm deep, with a maximum angle of 60° between the block in section and 2mm wide, must occupy at least 21.5% of the total surface.
 - The sum of the width of the grooves encountered by a radial line must be at least 16mm
 - At least 2 circumferential lines / Minimum total width of circumferential lines at least 12mm

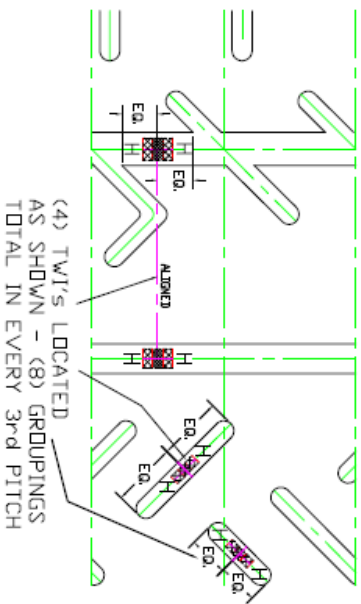
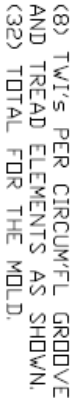
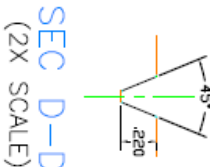
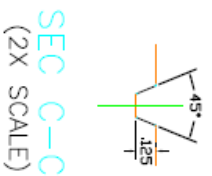
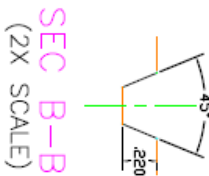
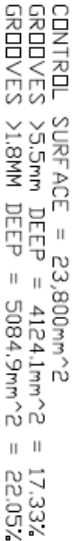


Scale 1:1

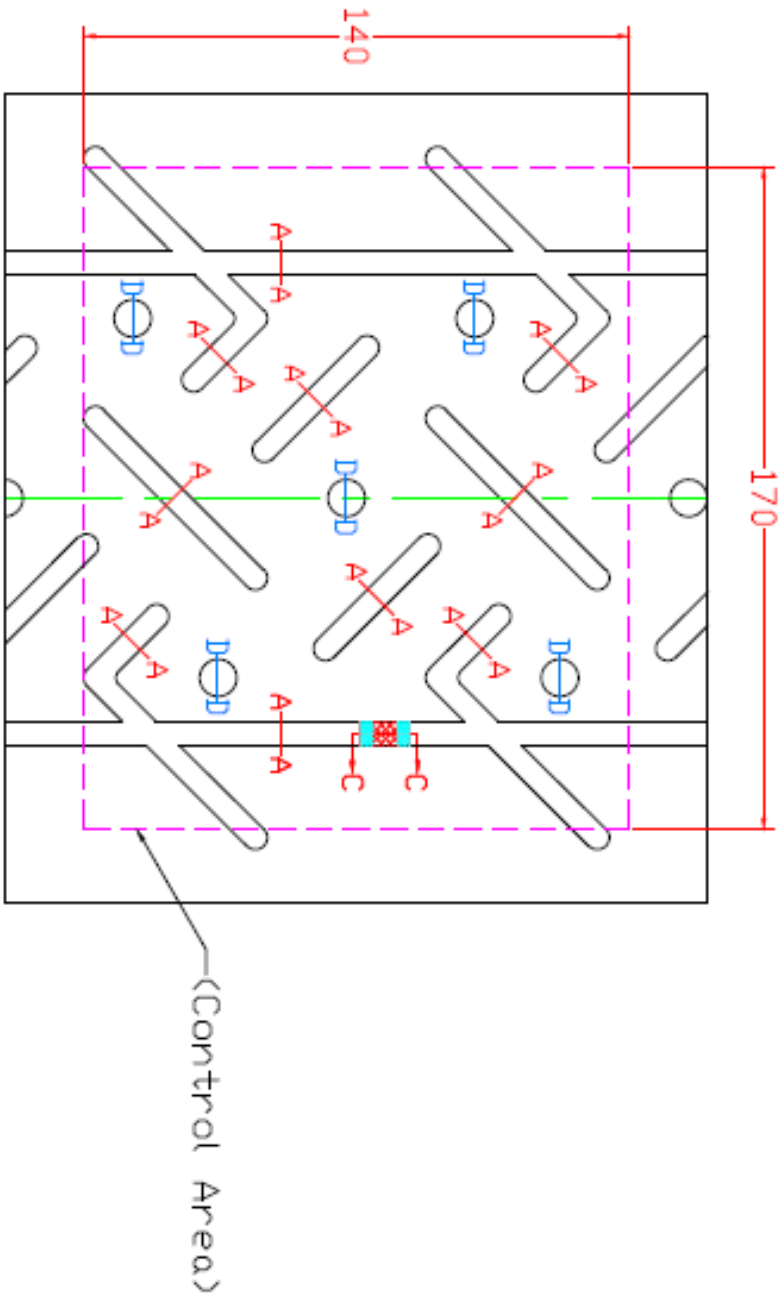
Groove Area by 148 x 140 at least 1.8mm deep : 4599.8mm²
Void % : 22.2%
Groove Area by 148 x 140 at least 5.5mm deep : 3563.8mm²
Void % : 17.2%



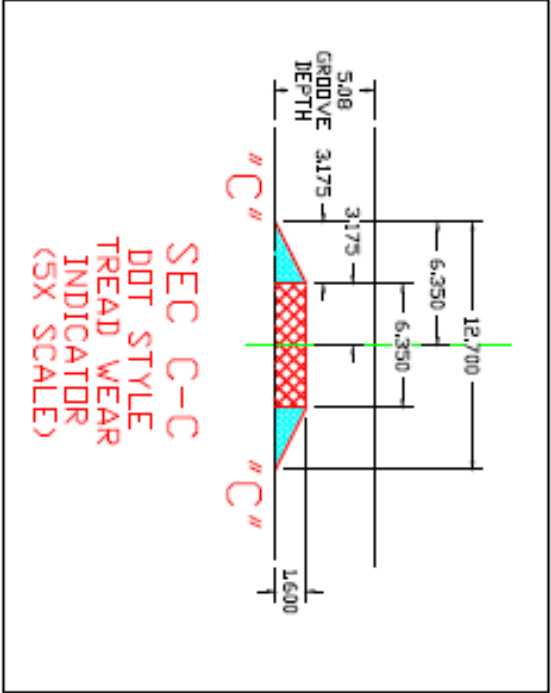
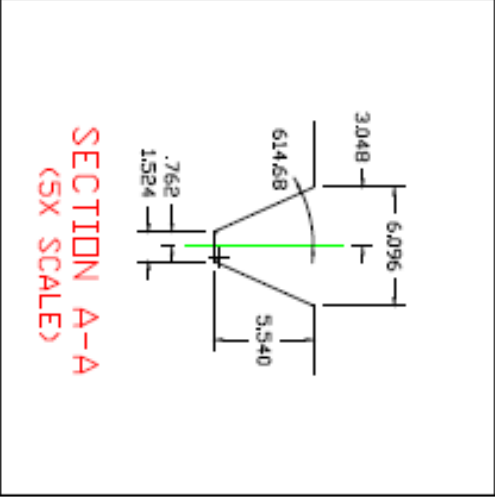
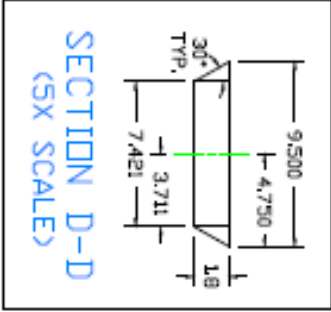
Date of publication: 19/03/2019

[illegible]

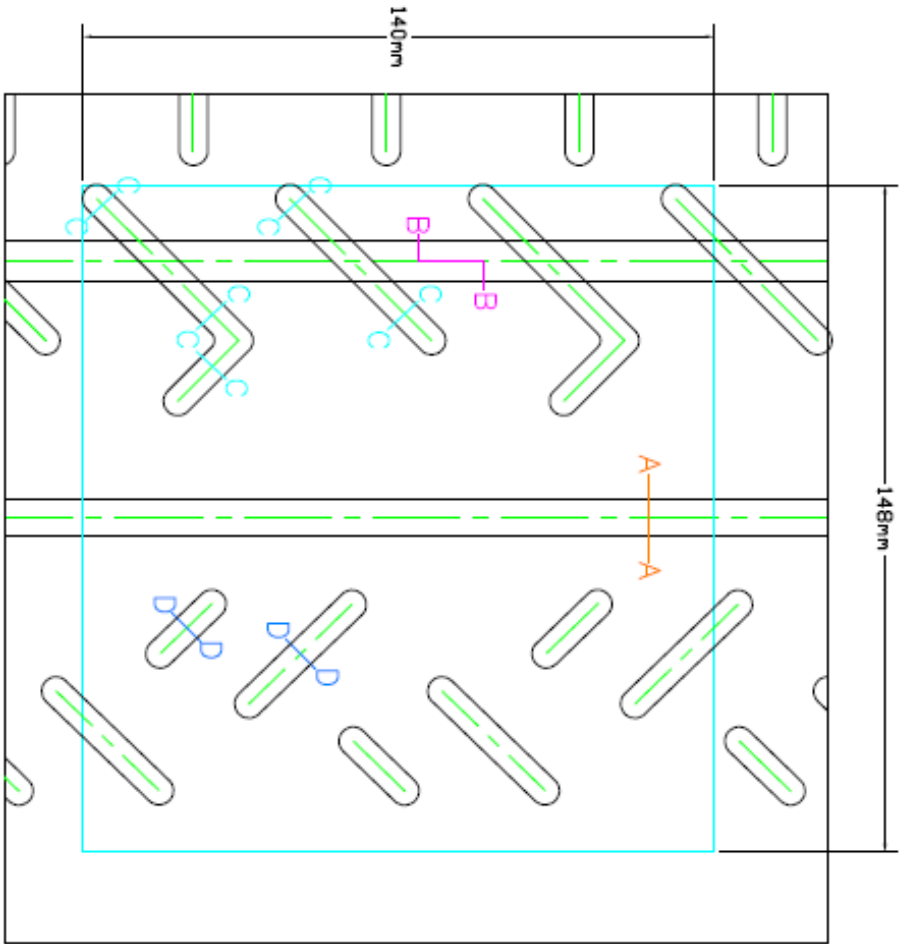
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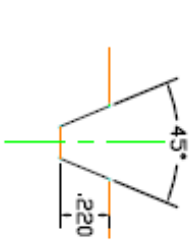
CONTROL SURFACE = 23,800mm²
GROOVES > 5.5mm = 4,797.71mm² = 20.16%
GROOVES > 1.8mm = 5,152.09mm² = 21.65%



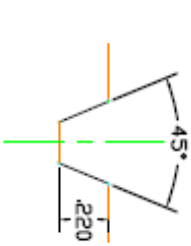
THIS IS A CAD DRAWING. MANUAL CHANGES ARE NOT PERMITTED.			
Hoosier RACING TIRE CORP. LAKEVILLE, INDIANA			
F.I.A. COMPLIANCE FOR "200/650R18"			
ROAD RALLY			
S/N 4770			
DRAWN BY TJC APPROVED BY XXX CHECKED BY XXX			
DATE 03/06/2015 DATE XX/XX/XXXX DATE XX/XX/XXXX			
SCALE 1:1 (SEE NOTE 1) SHEET 2 OF 2			
REV 1 -			



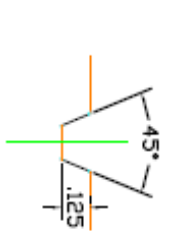
CONTROL SURFACE = 20,720mm²
GROOVES >5.5mm DEEP = 3617.7mm² = 17.46%
GROOVES >1.8MM DEEP = 4638.2mm² = 22.39%



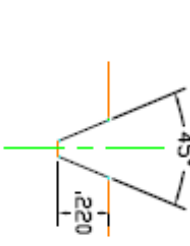
SEC A-A
(2X SCALE)



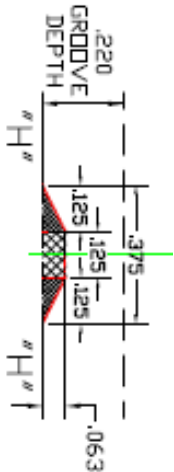
SEC B-B
(2X SCALE)



SEC C-C
(2X SCALE)



SEC D-D
(2X SCALE)



(8) TWI'S PER CIRCUMFL GROOVE
AND TREAD ELEMENTS AS SHOWN.
(24) TOTAL FOR THE MOLD.

(3) TWI'S LOCATED
AS SHOWN IN PITCH
#S 4-10-12-18

(3) TWI'S LOCATED
AS SHOWN IN PITCH
#S 1-7-15-21.

THIS IS A CAD DRAWING. MANUAL CHANGES ARE NOT PERMITTED.

Hoosier RACING TIRE CORP.
LAKEVILLE, INDIANA

195/50R17 TARMAC RALLY

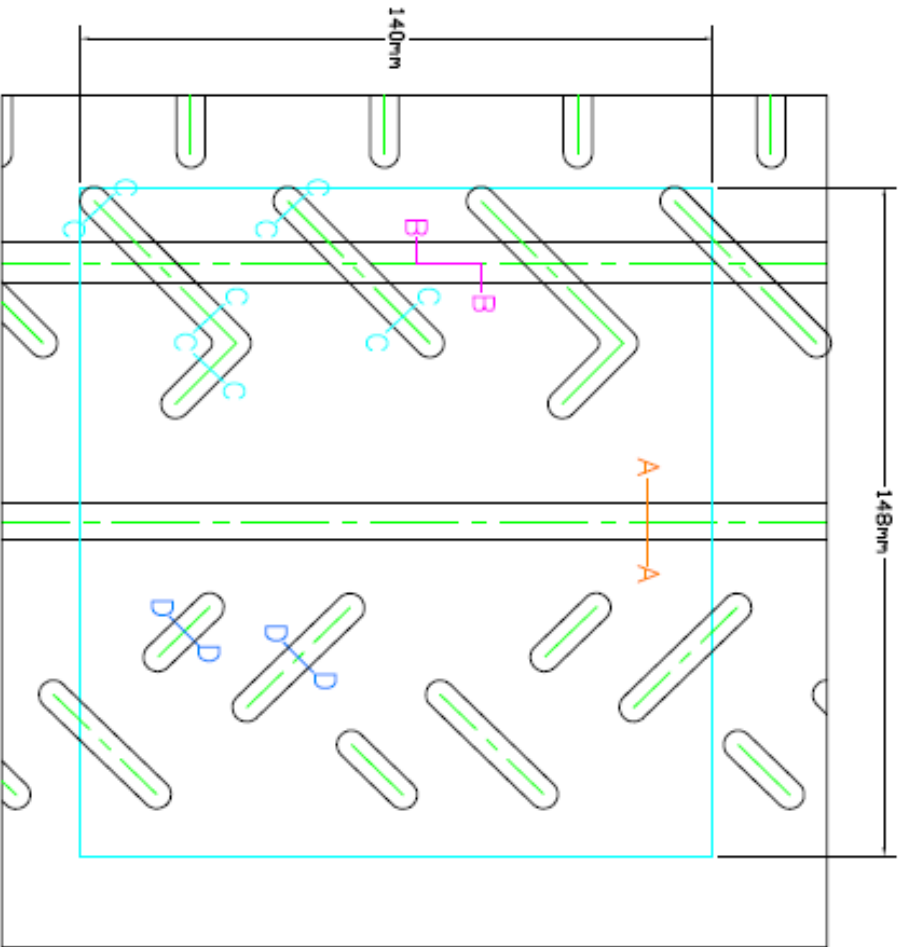
S/N 4927

DRAWN BY KSB APPROVED BY XXX CHECKED BY KSB

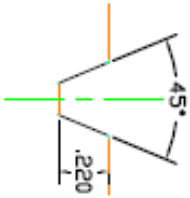
DATE 04-09-2018 DATE XX-XX-XXXX DATE 04-09-2018

SCALE 1:1 (SEE DIMENSIONAL DRAWING) SHEET 1

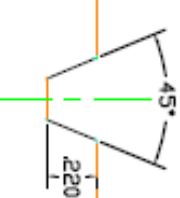
3RD ANGLE PROJECTION



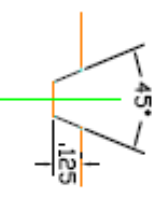
CONTROL SURFACE = 20,720mm²
GROOVES >5.5mm DEEP = 3617.7mm² = 17.46%
GROOVES >1.8MM DEEP = 4638.2mm² = 22.39%



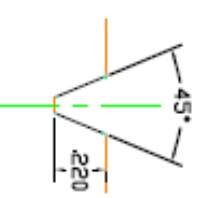
SEC A-A
(2X SCALE)



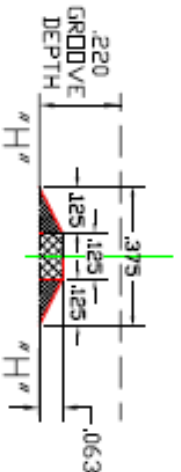
SEC B-B
(2X SCALE)



SEC C-C
(2X SCALE)



SEC D-D
(2X SCALE)

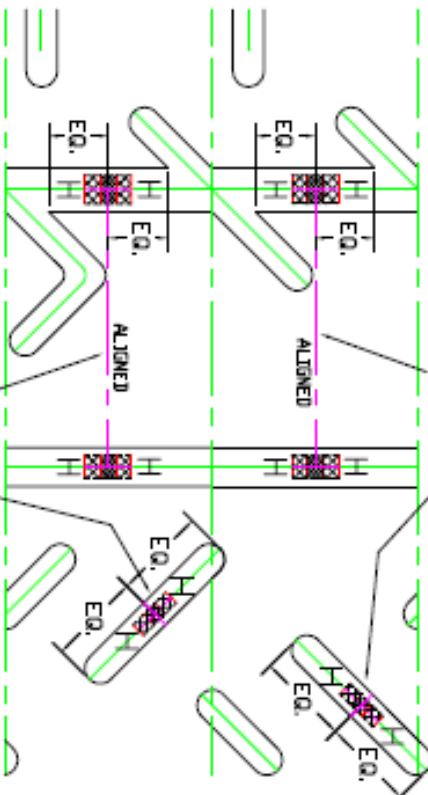


SEC H-H
DOT STYLE
TREAD WEAR
INDICATOR
(3X SCALE)

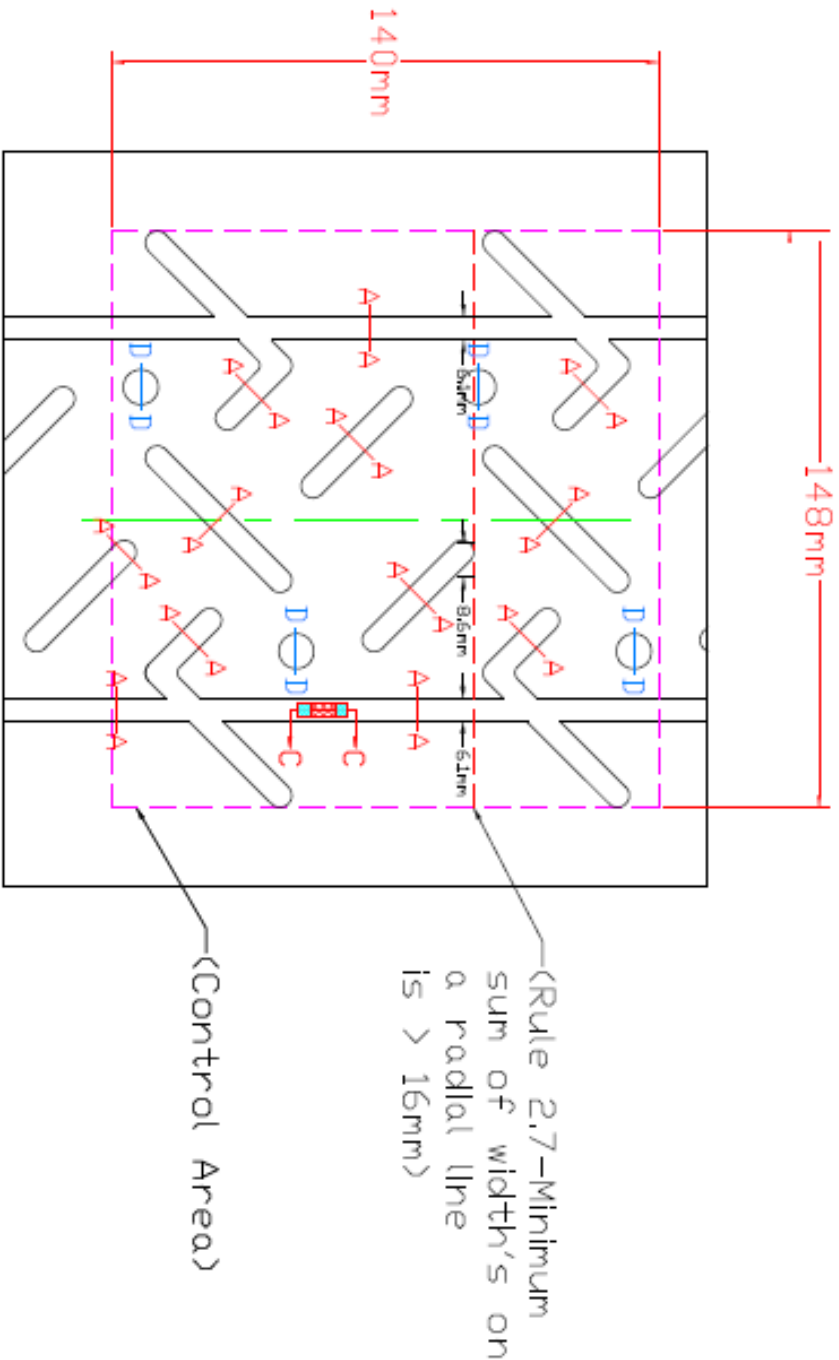
(8) TWI'S PER CIRCUMFL GROOVE
AND TREAD ELEMENTS AS SHOWN.
(24) TOTAL FOR THE MOLD.

(3) TWI'S LOCATED
AS SHOWN IN PITCH
#S 4-10-12-18

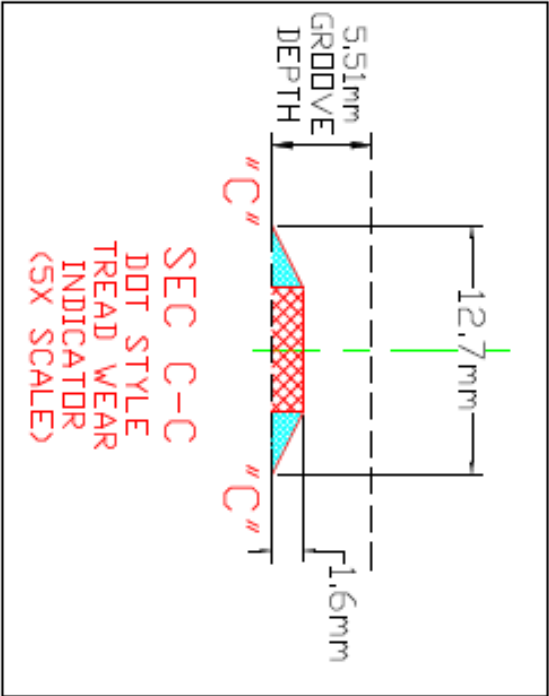
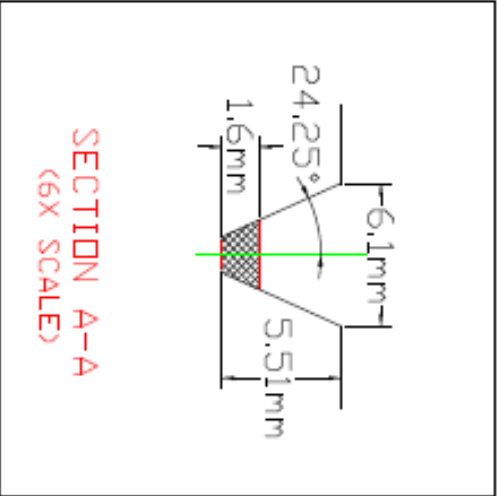
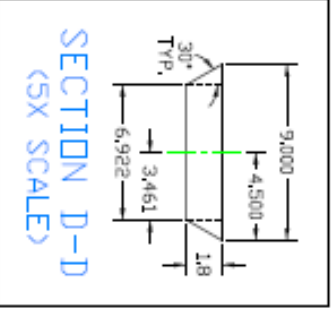
(3) TWI'S LOCATED
AS SHOWN IN PITCH
#S 1-7-15-21.



THIS IS A CAD DRAWING. MANUAL CHANGES ARE NOT PERMITTED.			
Hoosier RACING TIRE CORP. LAKEVILLE, INDIANA			
195/50R16 TARMAC RALLY			
S/N 4926			
DRAWN BY KSB		APPROVED BY XXX	
DATE 04-09-2018		DATE XX-XX-XXXX	
SCALE 1:1		CHECKED BY KSB	
FULL		SHEET 1	

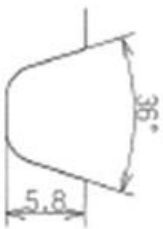
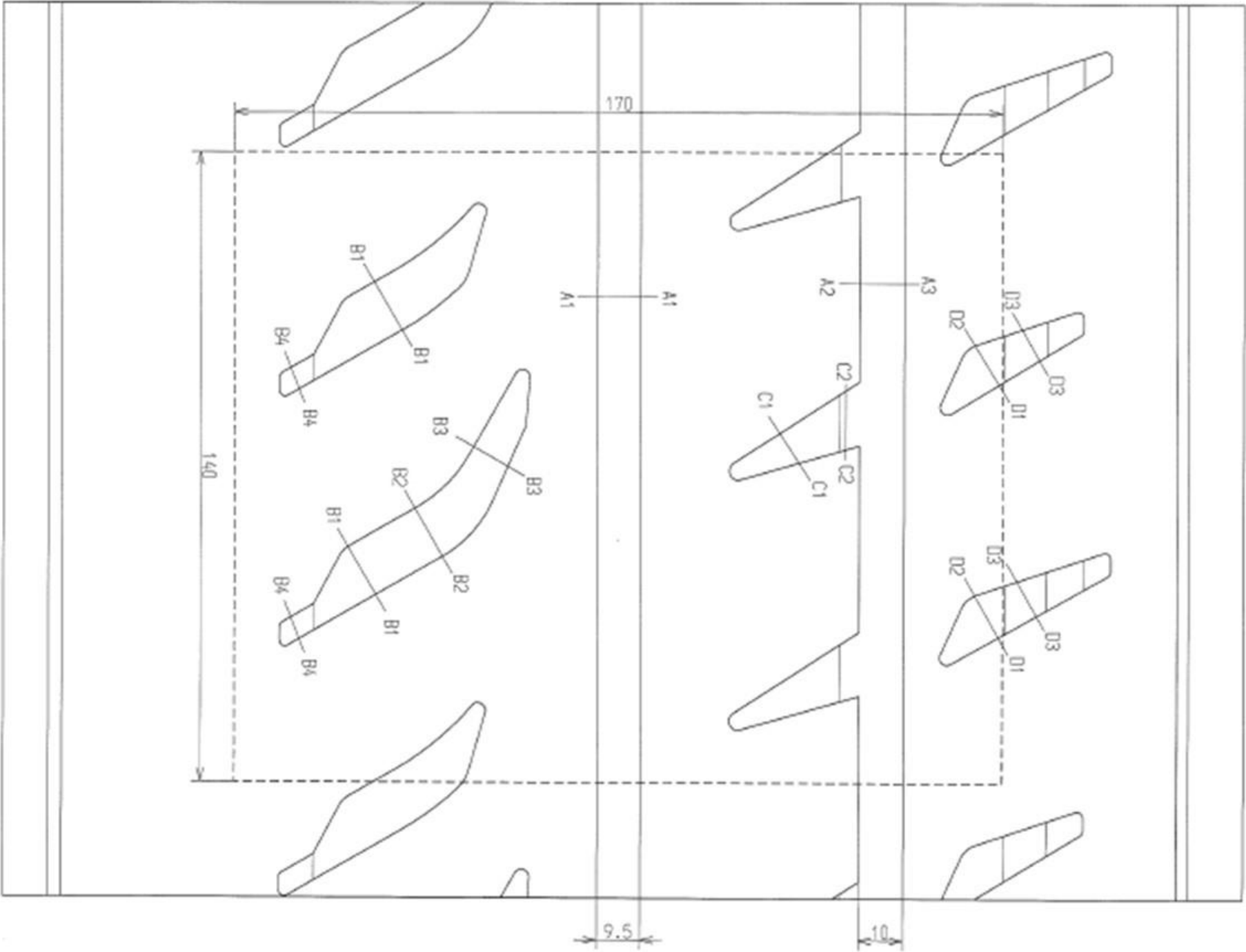


CONTROL SURFACE = 20,720mm²
GROOVES > 5.5mm² = 4,277.4mm² = 20.64%
GROOVES ≥ 1.8mm² = 4,531.9mm² = 21.87%

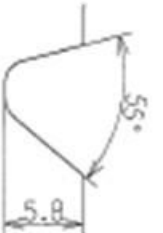


THIS IS A CAD DRAWING. MANUAL CHANGES ARE NOT PERMITTED.			
Hoosier RACING TIRE CORP. LAKEVILLE, INDIANA			
F.I.A. COMPLIANCE FOR "185/580R15"			
ROAD RALLY			
S/N 4854			
DRAWN BY:	TBC	APPROVED BY:	XXX
DATE:	11/12/2015	DATE:	11/12/2015
SCALE:	1:1	CHECKED BY:	TBC
FULL	185/580R15		
SHEET			1

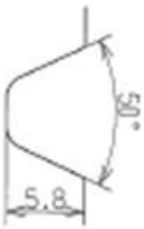
18" - 205/640R18



SEC.A1-A1



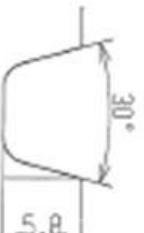
SEC.A2-A3



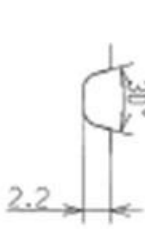
SEC.B1-B1



SEC.B2-B2



SEC.B3-B3



SEC.B4-B4



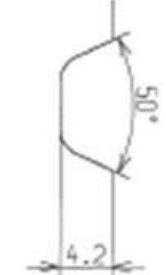
SEC.C1-C1



SEC.C2-C2



SEC.D1-D2



SEC.D3-D3

In the control area
5.5mm grooves-18.2%
Total grooves 22.3%

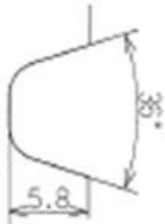
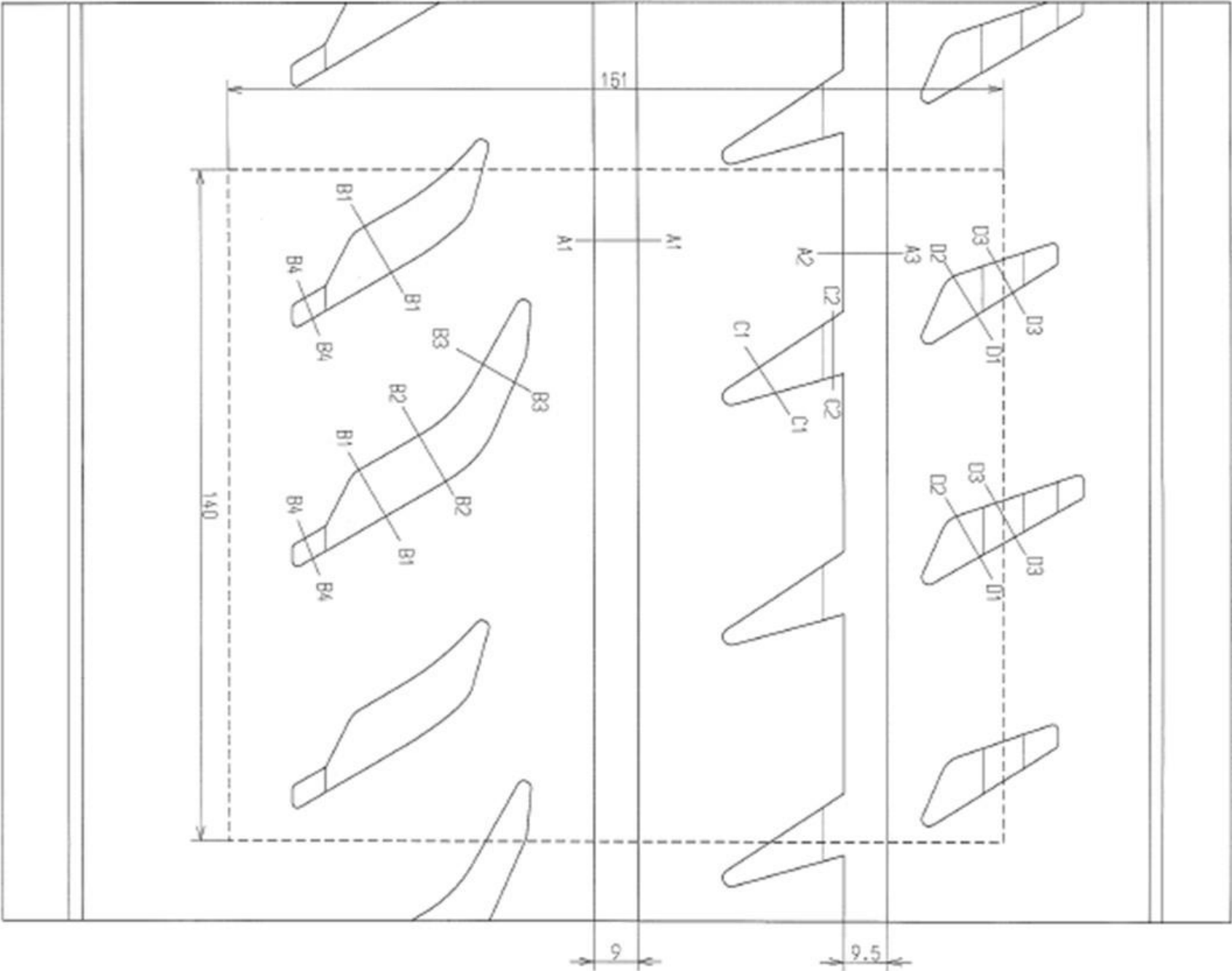
-----Control area(170x140)

PRODUCT NAME

TOYO PROXES 888RT

SIZE 205/640R18

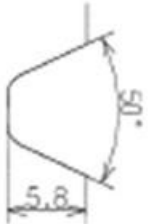
15" - 185/580R15



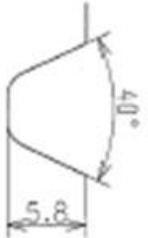
SEC. A1-A1



SEC. A2-A3



SEC. B1-B1



SEC. B2-B2



SEC. B3-B3



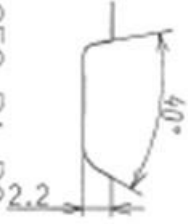
SEC. B4-B4



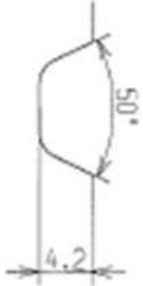
SEC. C1-C1



SEC. C2-C2



SEC. D1-D2



SEC. D3-D3

In the control area
5.5mm grooves-18.2%
Total grooves 22.3%

-----Control area(161x140)

PRODUCT NAME
TOYO PROXES 888RT

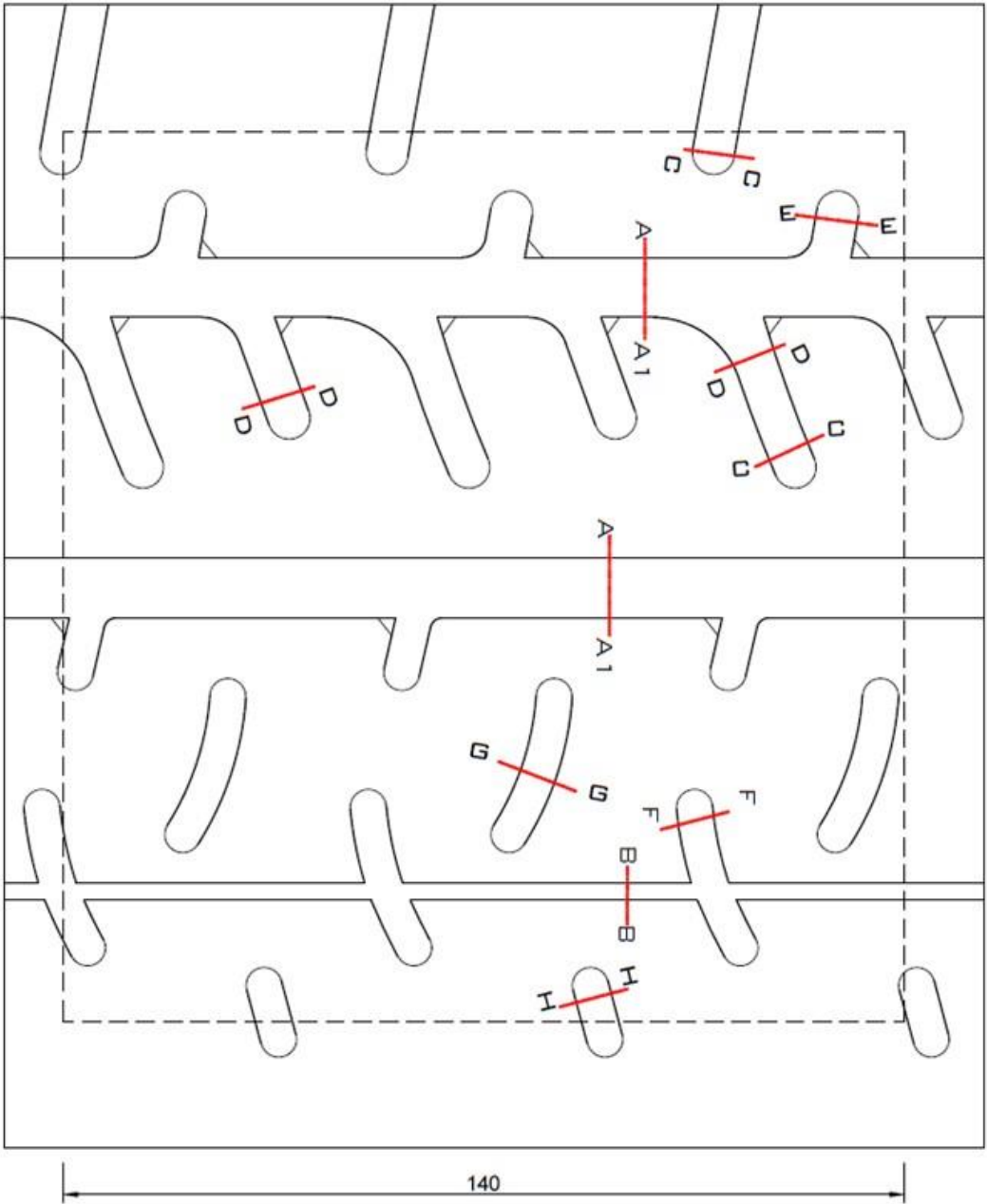
SIZE 185/580R15



15" - 195/50R15



195/50R15 ZTA1 TL



In the control area 148x140 mm (Indicated in the dotted line)

Grooved area within Min. 1.8 deep grooves > 21.5%

Grooved area within Min. 5.5 deep grooves > 17.0%

The total width of the circumferential line is >12 mm

The sum of the width of the grooves encountered by a radial line is >16 mm

CLASS 8"
RIM 6.5"

S.No.	DATE	DESCRIPTIONS	DRAWN	EVPRD / PDM

REVISIONS

CHENNAI		INDIA	
DRAWN		APPROVED	
SIGNATURE		T N Sundar	
DATE		EVPRD / PDM	
25.01.18		29.01.18	
G Kirubhakar		NTS	
DE			

F.I.A COMPLIANCE FOR 195/50R15 ZTA1 TL

CORPORATE TECHNICAL MOULD DESIGN		DRG No.		RR-195/50R15_0518		REVISION No.	
SAP DOCUMENT TYPE:		SAP DOCUMENT No.		VER		00	
3		2		1			

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All dimensions are in mm, unless otherwise specified

IF IN DOUBT ASK...

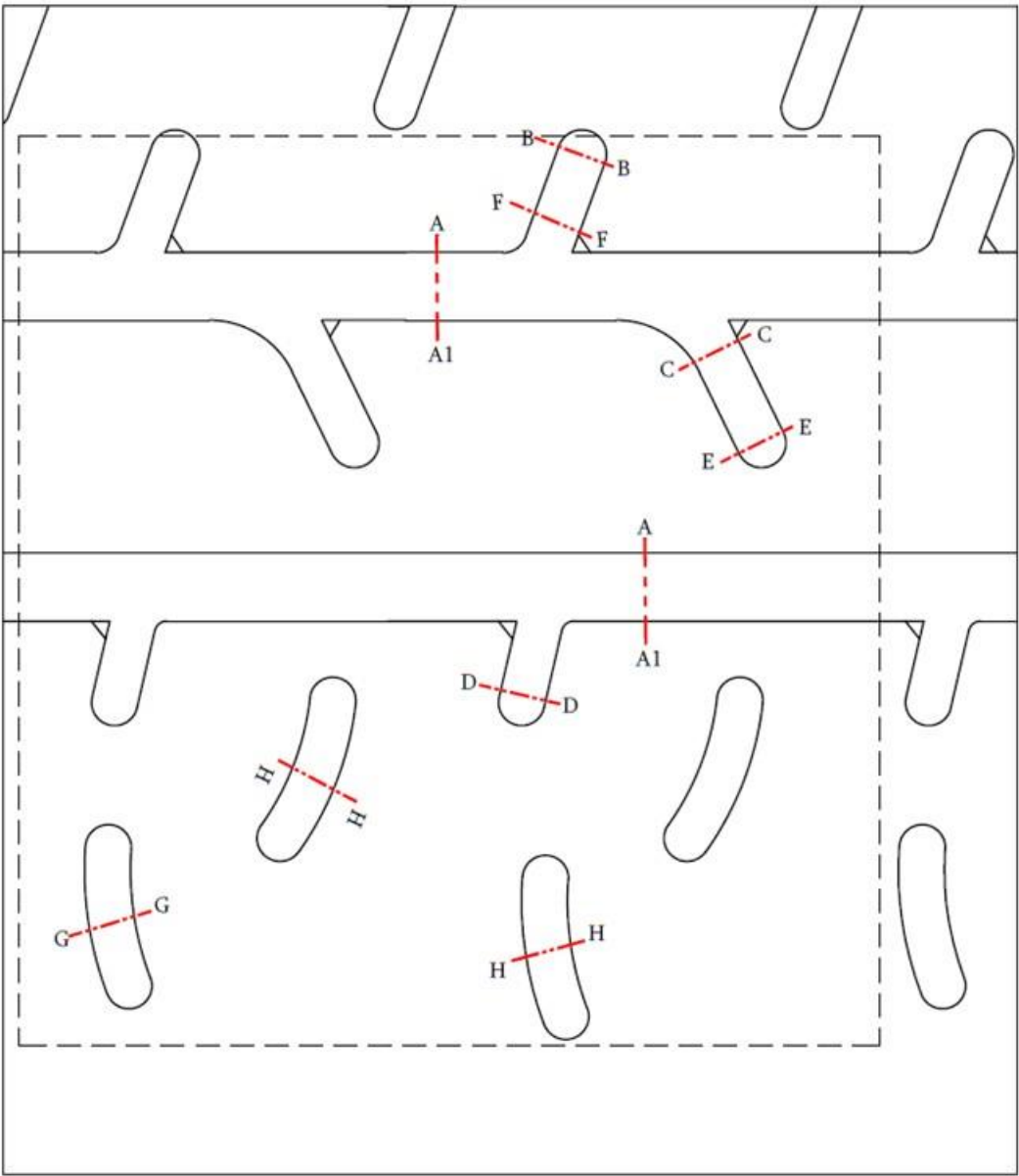
NOT TO SCALE



16" - 195/50R16



195/50R16 ZTA₁ TL



In the control area 148x140 mm (indicated in the dotted line)

Grooved area within Min. 1.8 deep grooves > 21.5%

Grooved area within Min. 5.5 deep grooves > 17.0%

The total width of the circumferential line is > 12 mm

The sum of the width of the grooves encountered by a radial line is > 16 mm

CLASS 8"
RIM 6.5"

S.No.	DATE	DESCRIPTIONS	DRAWN	EVPRD / PDM

CHENNAI		INDIA	
DRAWN		APPROVED	
SIGNATURE		T N Sundar	
DATE		EVPRD / PDM	
25.01.18		29.01.18	
G Kirubhakar		NTS	
DE			

F.I.A COMPLIANCE FOR 195/50R16 ZTA₁ TL

CORPORATE TECHNICAL MOULD DESIGN		DRG No.		RR-195/50R16_0518		REVISION No.	
SAP DOCUMENT TYPE:		SAP DOCUMENT No.		VER		00	

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All dimensions are in mm, unless otherwise specified

NOT TO SCALE



17" - 205/45R17



205/45R17 ZTA¹ TL

In the control area 148x140 mm (Indicated in the dotted line)

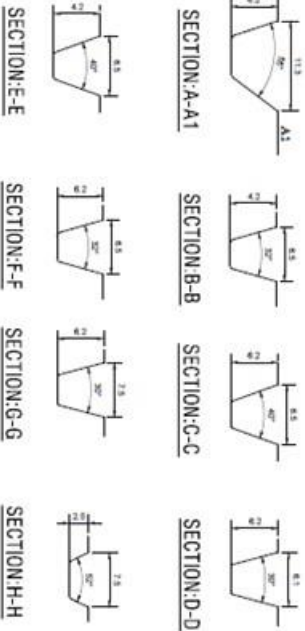
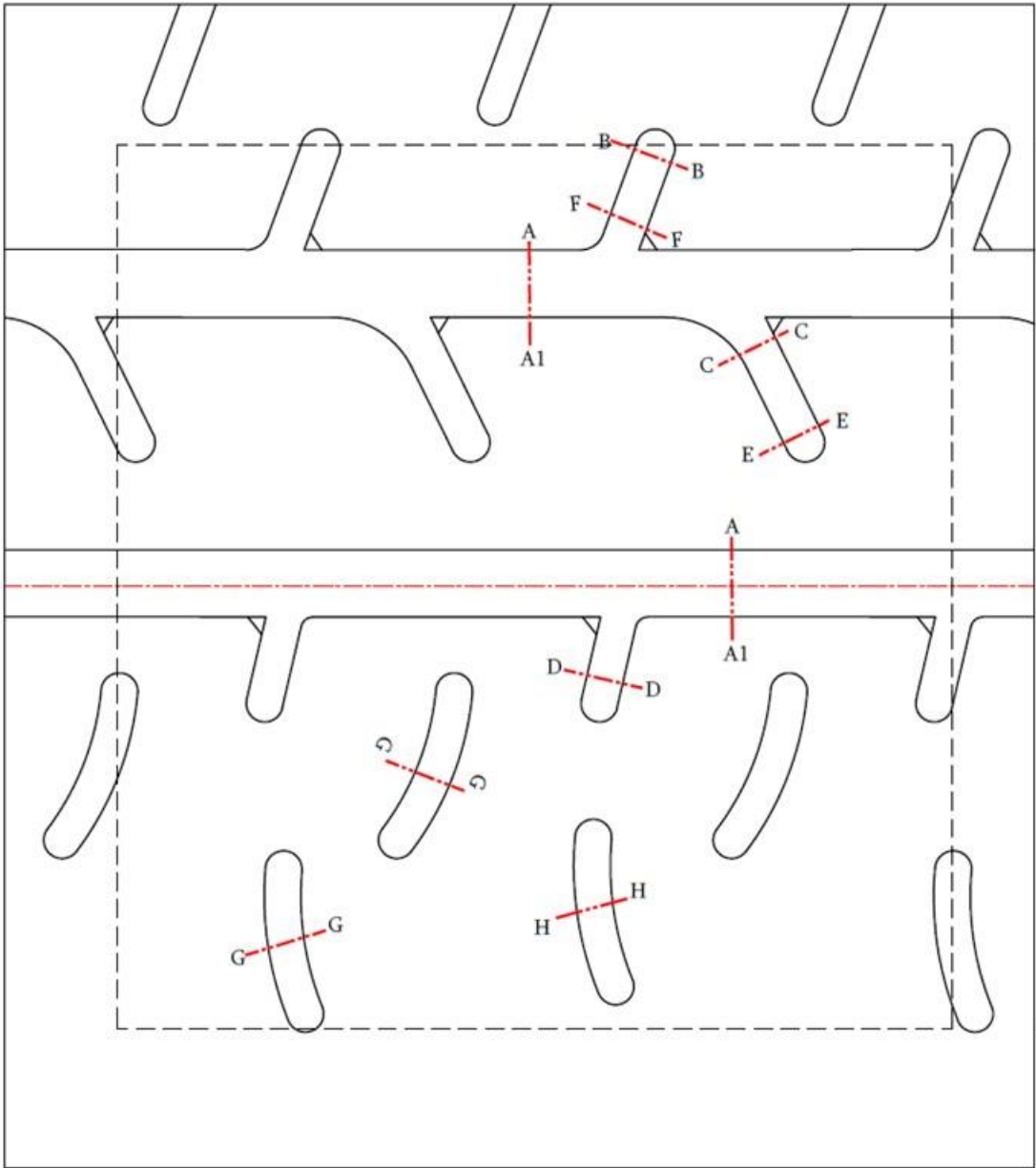
Grooved area within Min. 1.8 deep grooves > 21.5%

Grooved area within Min. 5.5 deep grooves > 17.0%

The total width of the circumferential line is >12 mm

The sum of the width of the grooves encountered by a radial line is >16 mm

CLASS 8"
RIM 7.0"



IF IN DOUBT ASK...
All dimensions are in mm, unless otherwise specified

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NOT TO SCALE

S.No.	DATE	DESCRIPTIONS	DRAWN	EVPRD / PDM
REVISIONS				
CHENNAI INDIA				
DRAWN		APPROVED		SCALE
G Kirubhakkar		T N Sundar		NTS
DATE		EVPRD / PDM		
25.01.18		29.01.18		

F.I.A COMPLIANCE FOR 205/45R17 ZTA¹ TL

CORPORATE TECHNICAL MOULD DESIGN	DRG No.	RR-205/45R17_0518	REVISION No.
SAP DOCUMENT TYPE:	SAP DOCUMENT No.	VER	



18" - 235/40R18

