



2019 List of Asphalt Eligible Tyres



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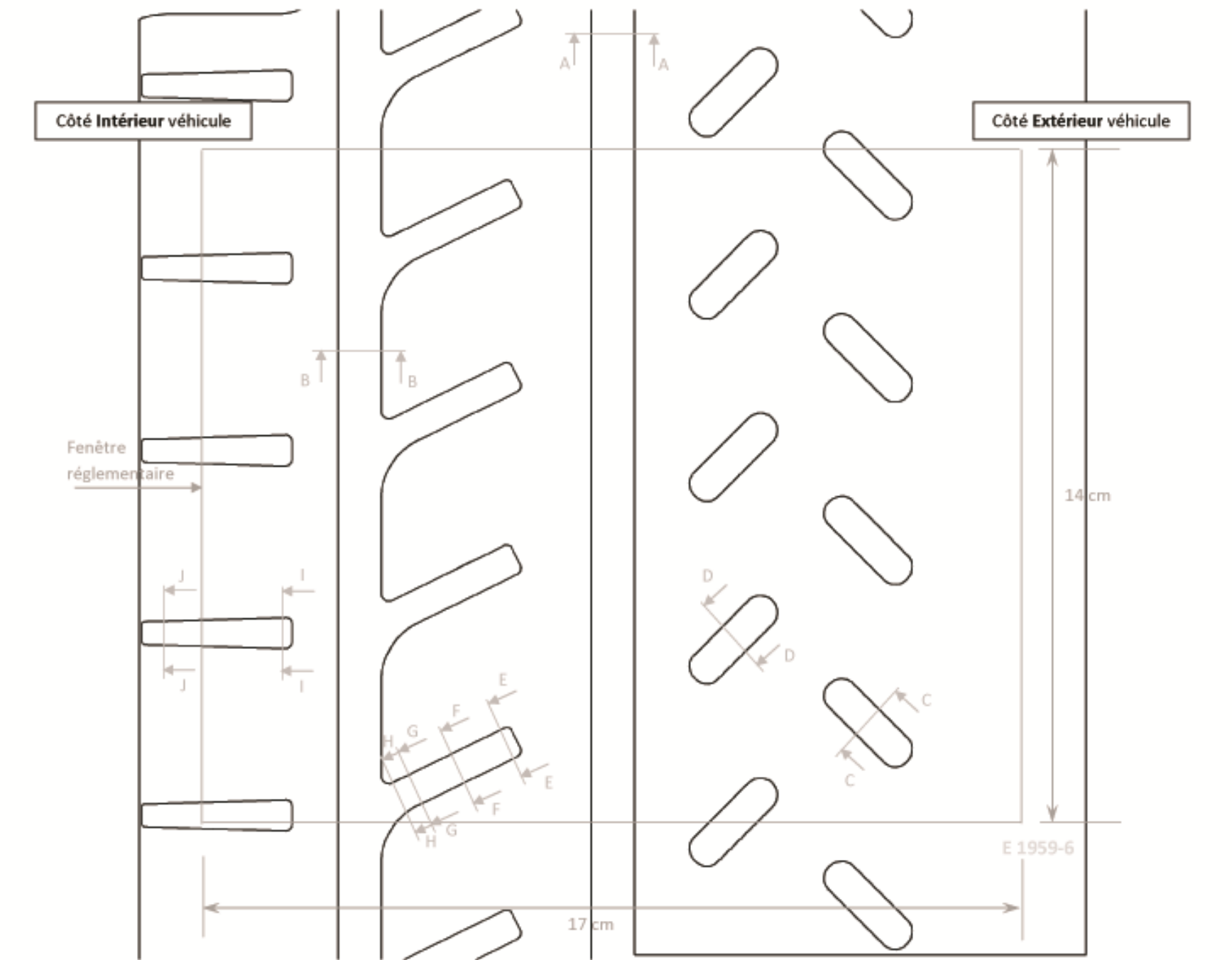


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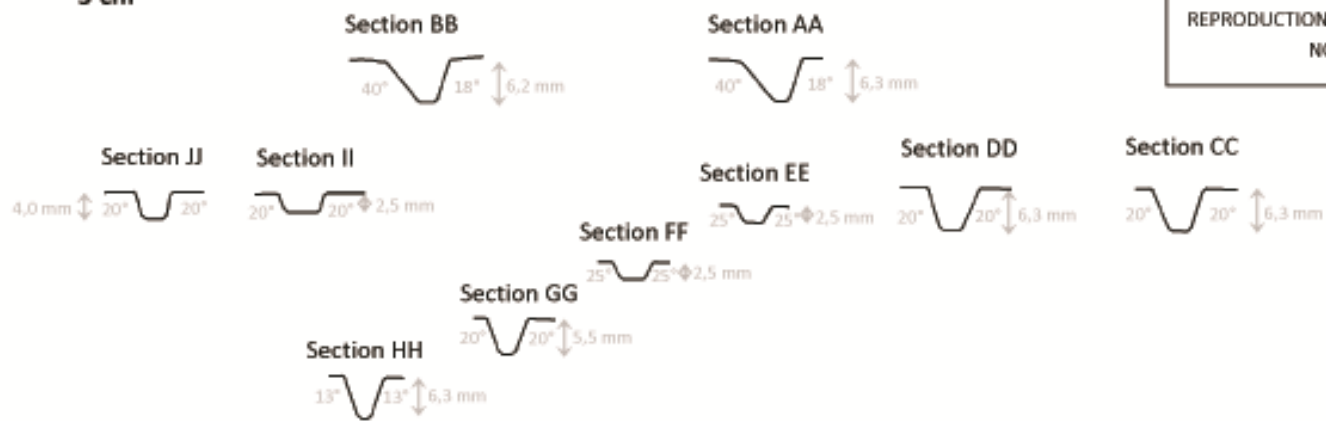
Domaine : Rallye Asphalte
Dimension : 20 / 65 – 18
Plan de la sculpture : Pilot Sport R
Entaillement Surfamique dans fenêtre réglementaire : 21,51 %

Clermont-Ferrand le 05/12/2013



Echelle 1:1
 5 cm

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



18" – 20/65-18

Domaine : Rallye Asphalte Wet

Dimension : 20 / 65 – 18

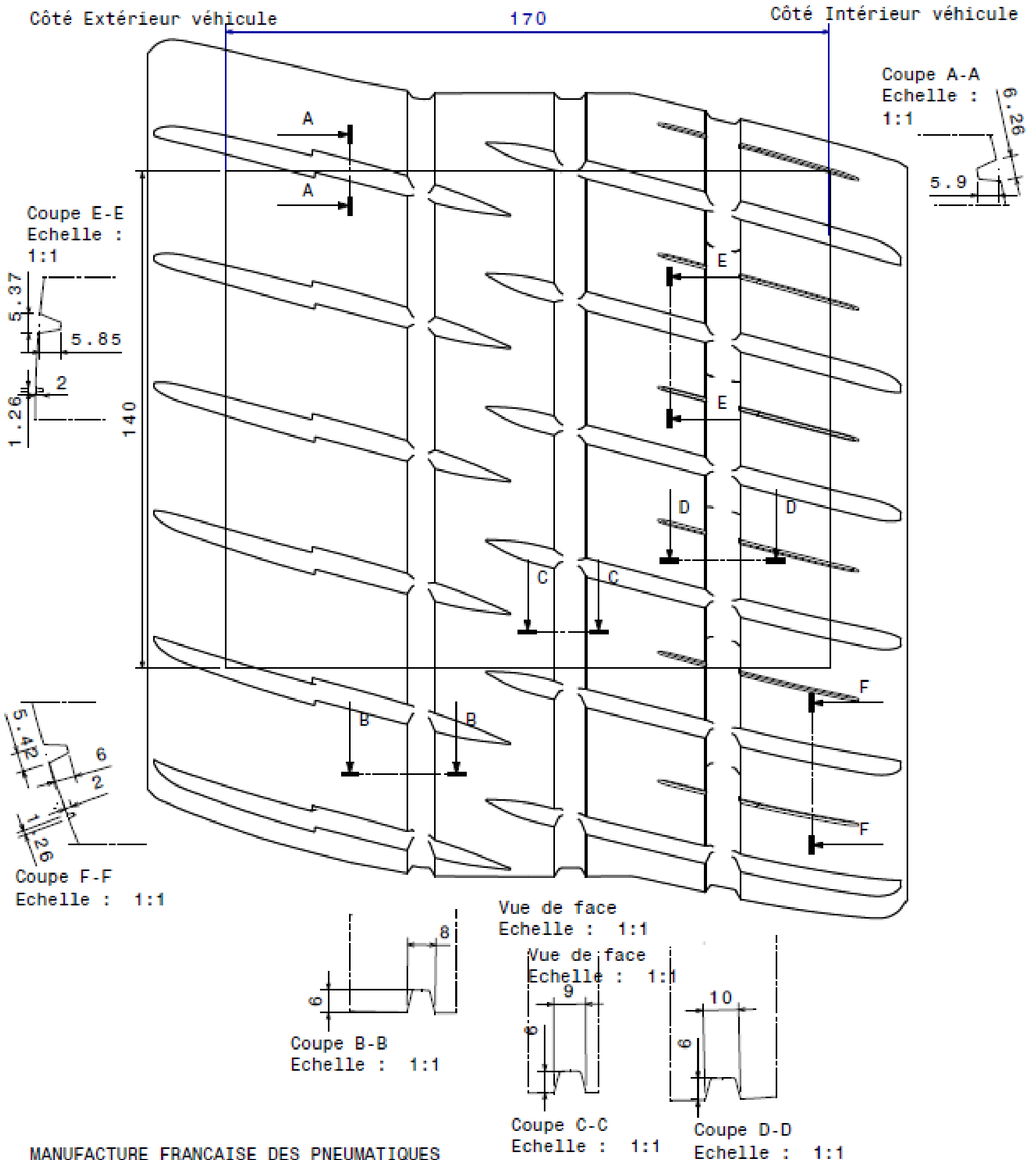
Plan de la sculpture : Pilot Sport A MW1

Entaillement Surfaceutique dans fenêtre

règlementaire > ou = 27.5 % avec les entailles > 1.8 mm de profondeur comme avec les entailles > 5.5 mm de profondeur.



Clermont-Ferrand le 03/07/2019

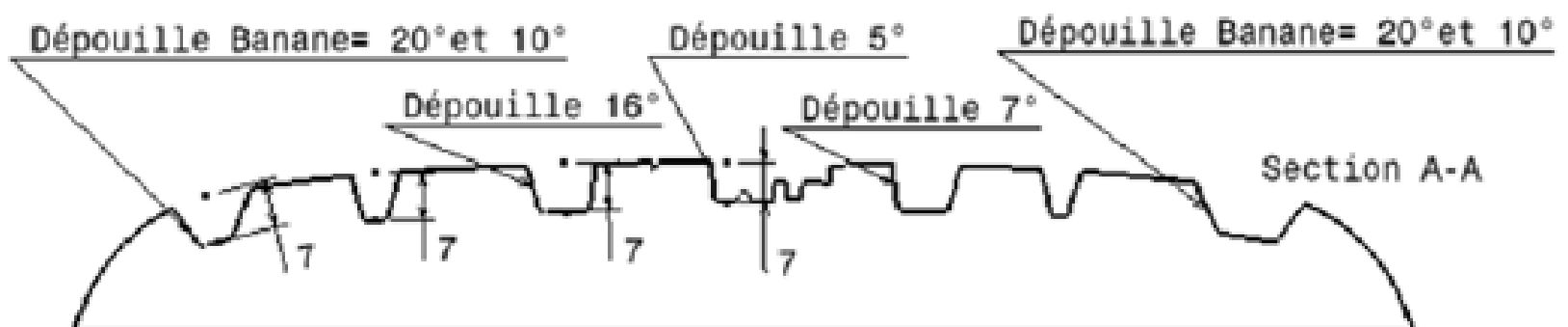
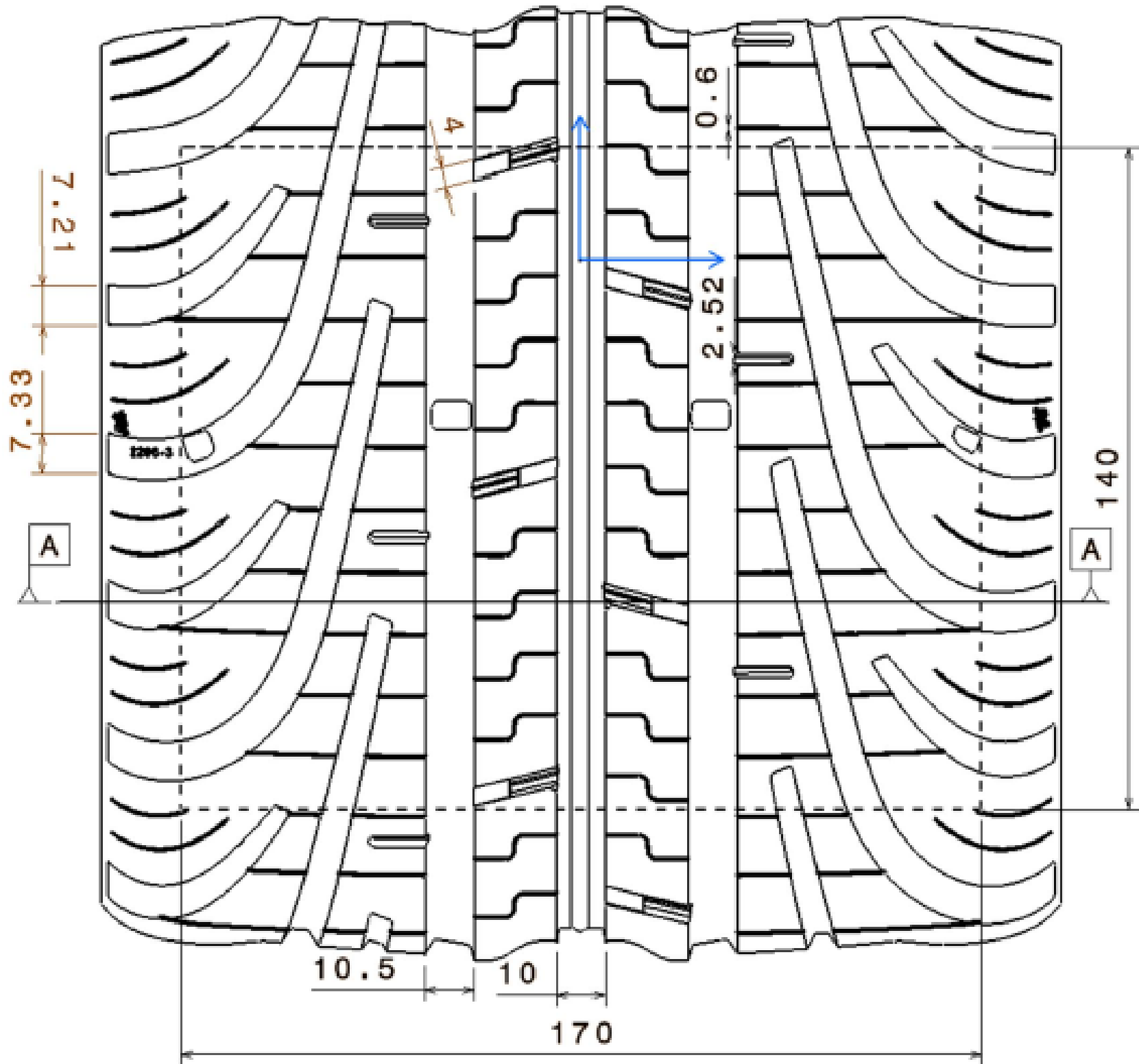


MANUFACTURE FRANCAISE DES PNEUMATIQUES
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Clermont-Ferrand le : 15/12/2016
 Domaine : Rallye Asphalte WRC Wet
 Dimension : 18 / 65 - 18
 Plan de la sculpture : Pilot Sport FW3
 Entaillement Surfacique sur entaille $\geq 5,5\text{mm}$ de profondeur : 27.5%

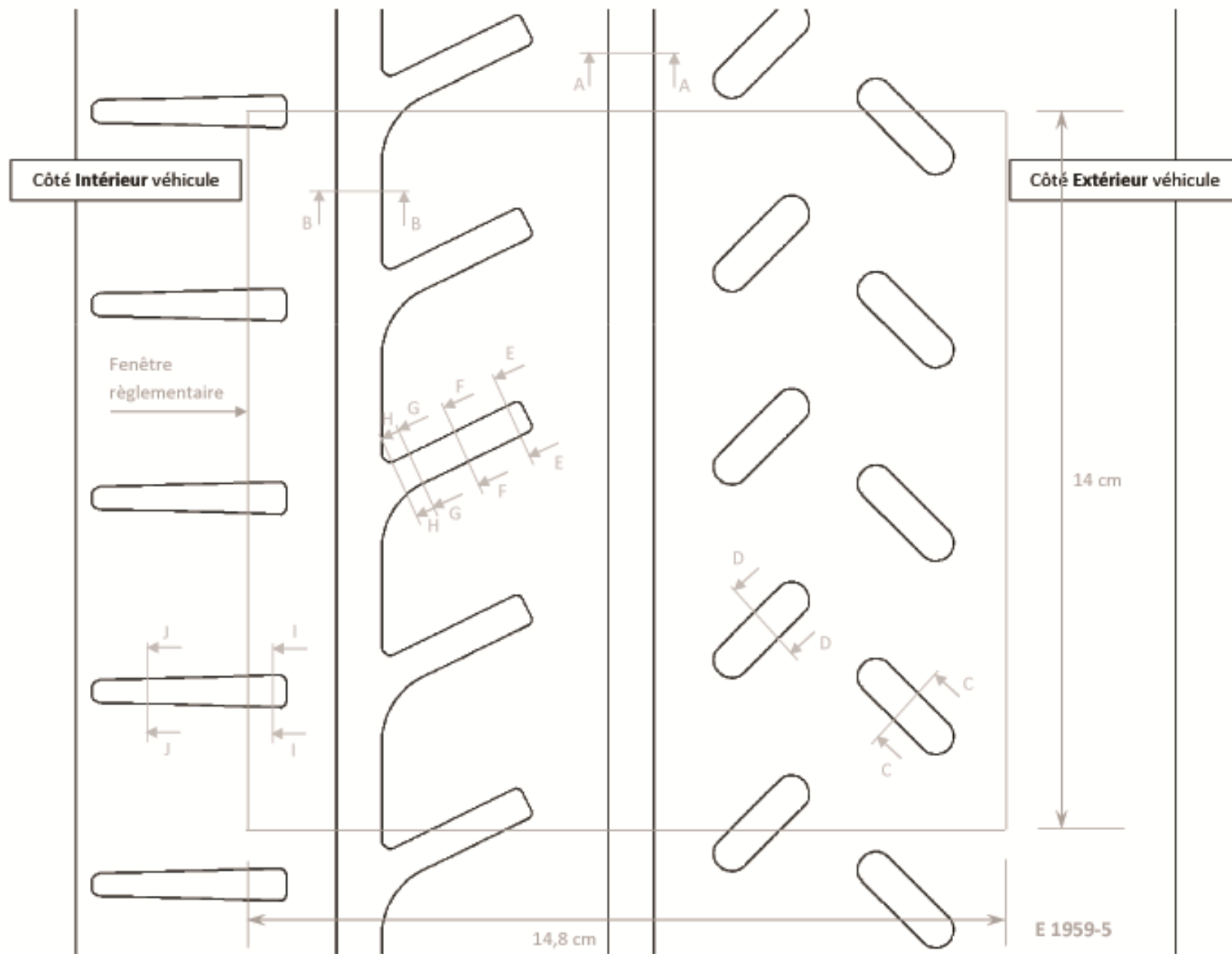
MANUFACTURE FRANCAISE DES PNEUMATIQUES
 MICHELIN CLERMONT-FERRAND
 PROPRIETE EXCLUSIVE DE NOTRE SOCIETE
 REPRODUCTION OU UTILISATION INTERDITE SANS
 NOTRE ACCORD ECRIT



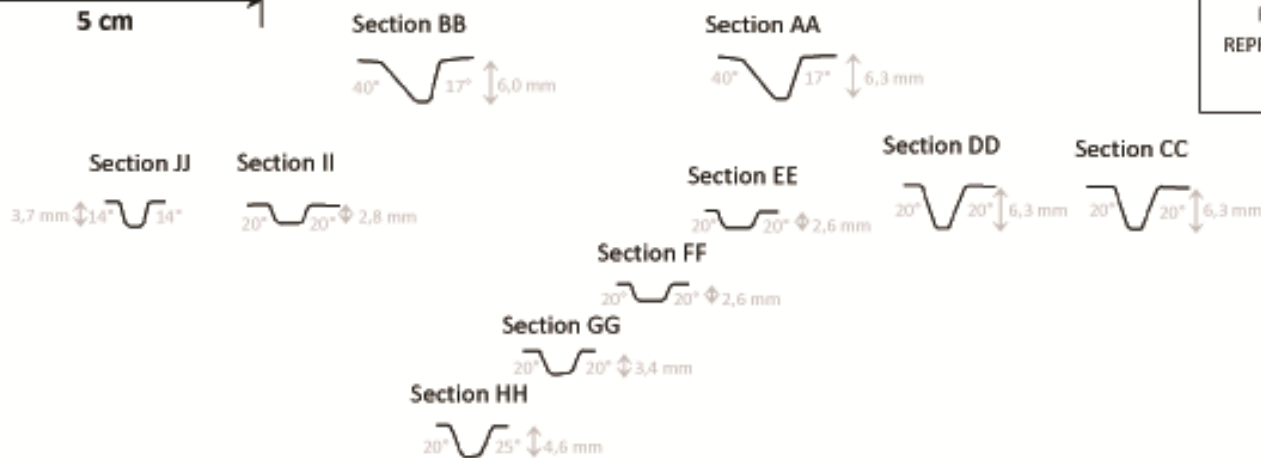


Domaine : Rallye Asphalte
 Dimension : 19 / 63 – 17
 Plan de la sculpture : Pilot Sport R
 Entaillement surfacique sur fenêtre réglementaire : 21,51 %

Clermont-Ferrand le 05/12/2013



Echelle 1:1
 5 cm

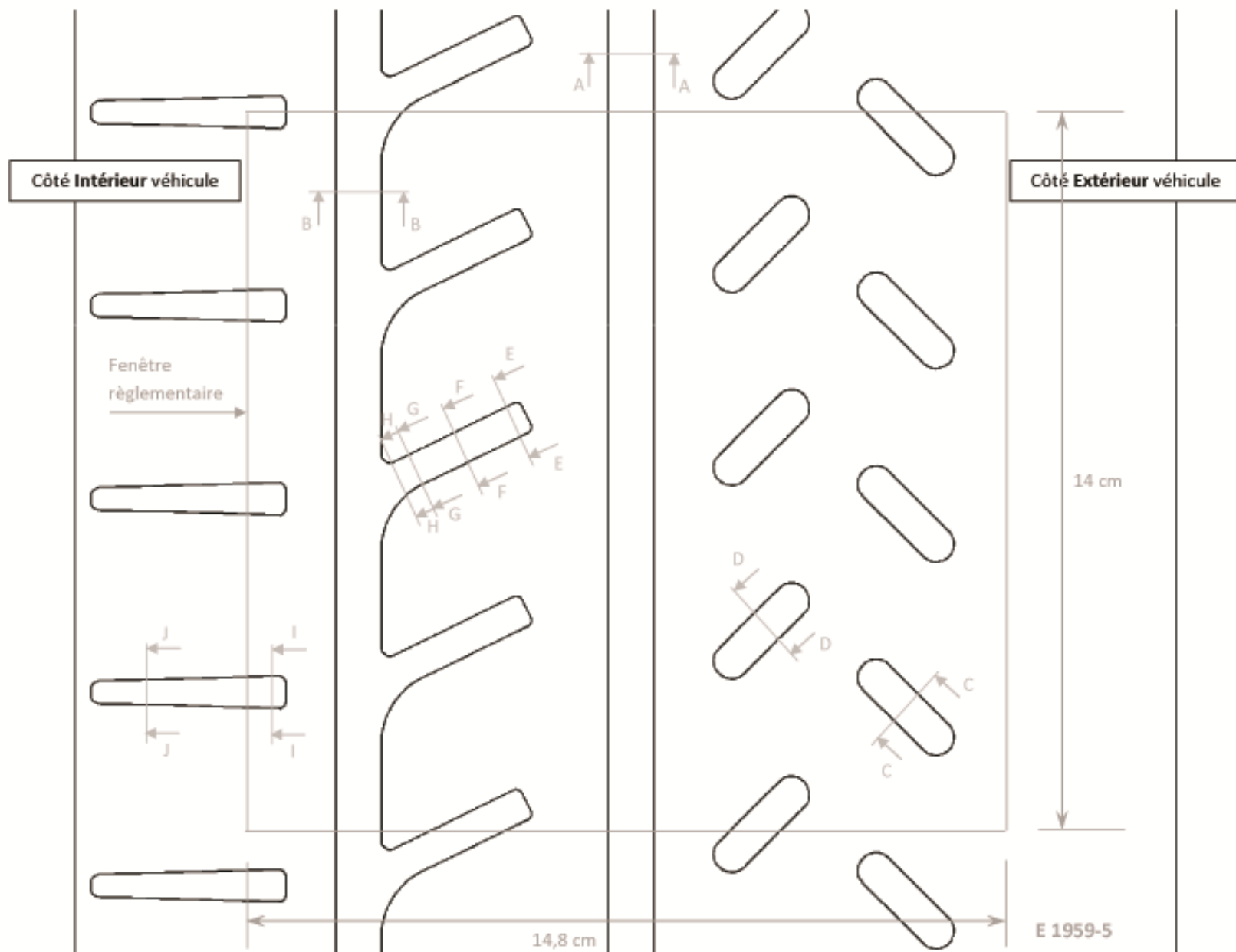


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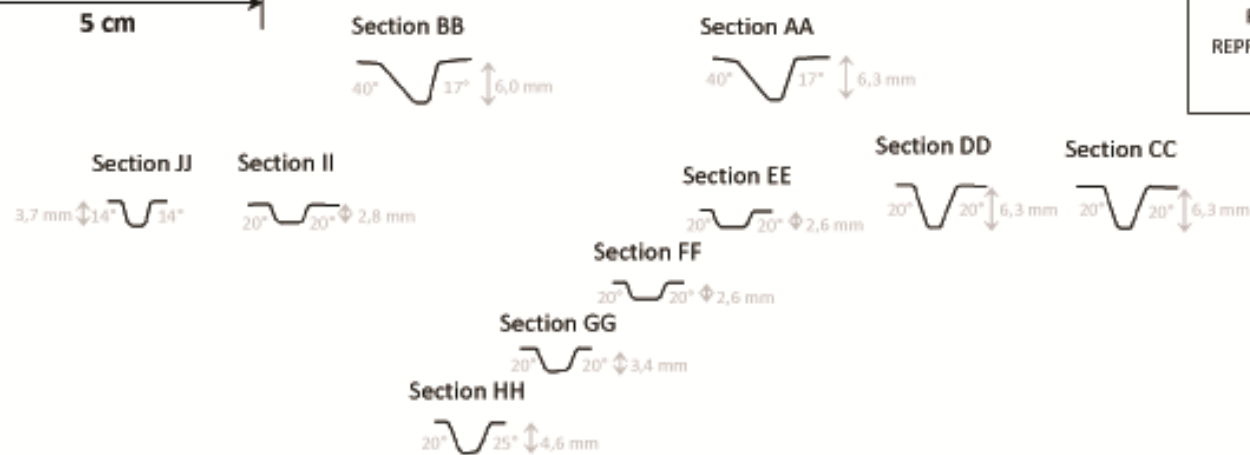


Domaine : Rallye Asphalte
 Dimension : 19 / 60 – 16
 Plan de la sculpture : **Pilot Sport R**
 Entaillement surfacique sur fenêtre réglementaire : **21,51 %**

Clermont-Ferrand le 05/12/2013



Echelle 1:1
 5 cm

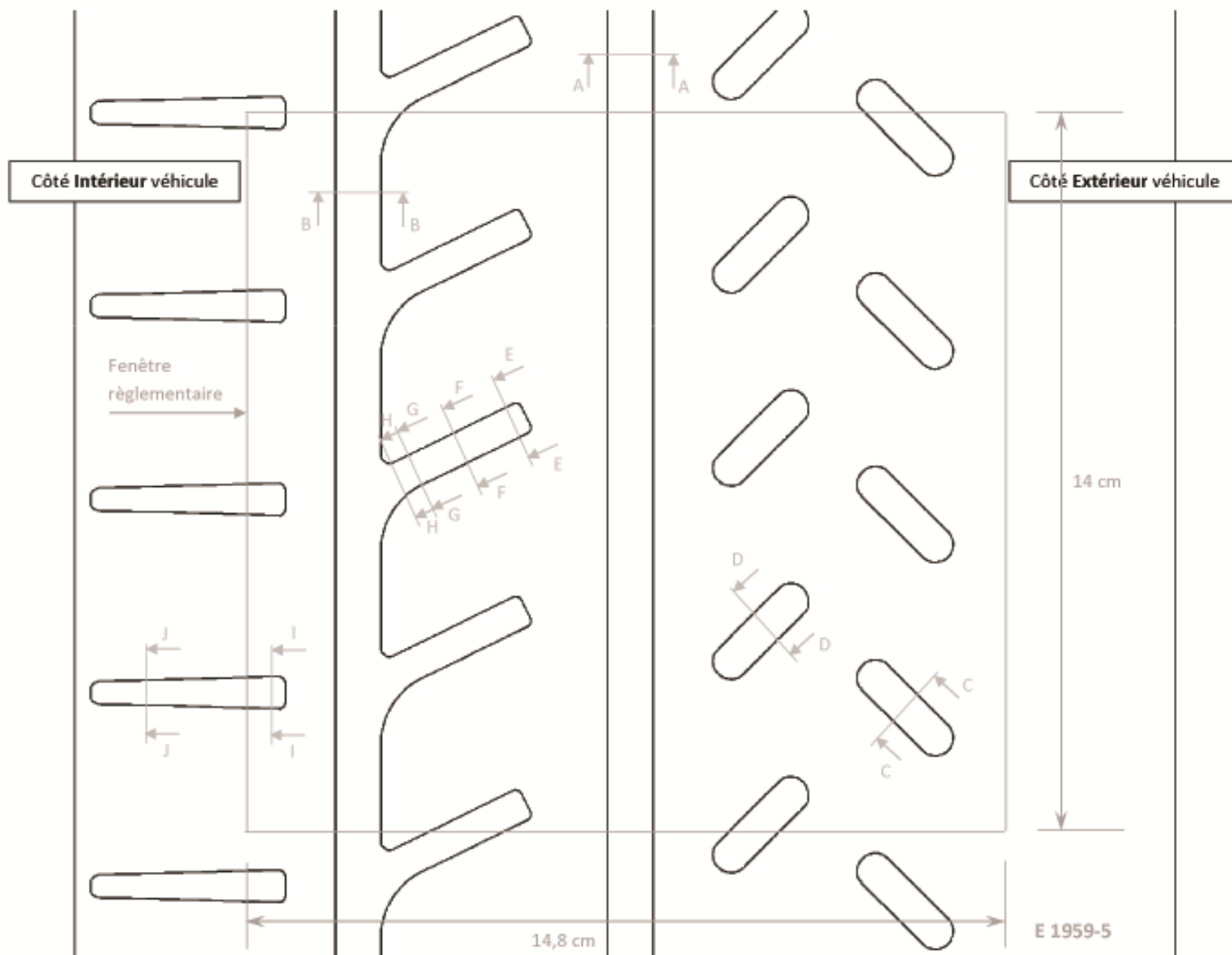


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 NOTRE ACCORD ECRIT

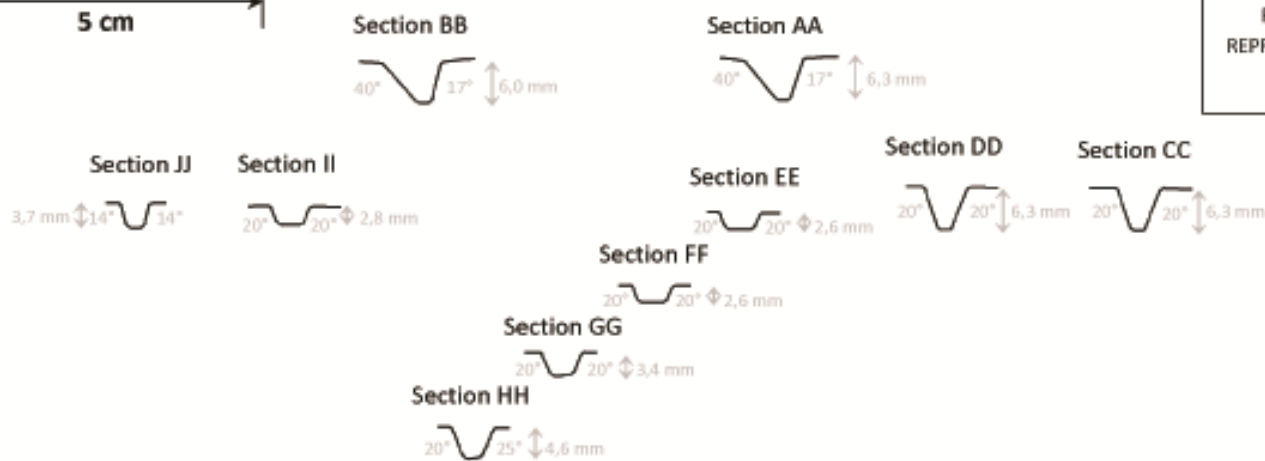


Domaine : Rallye Asphalte
 Dimension : **19 / 58 – 15**
 Plan de la sculpture : **Pilot Sport R**
 Entaillement surfacique sur fenêtre réglementaire : **21,51 %**

Clermont-Ferrand le 05/12/2013



Echelle 1:1
 5 cm



MANUFACTURE FRANCAISE DES PNEUMATIQUES
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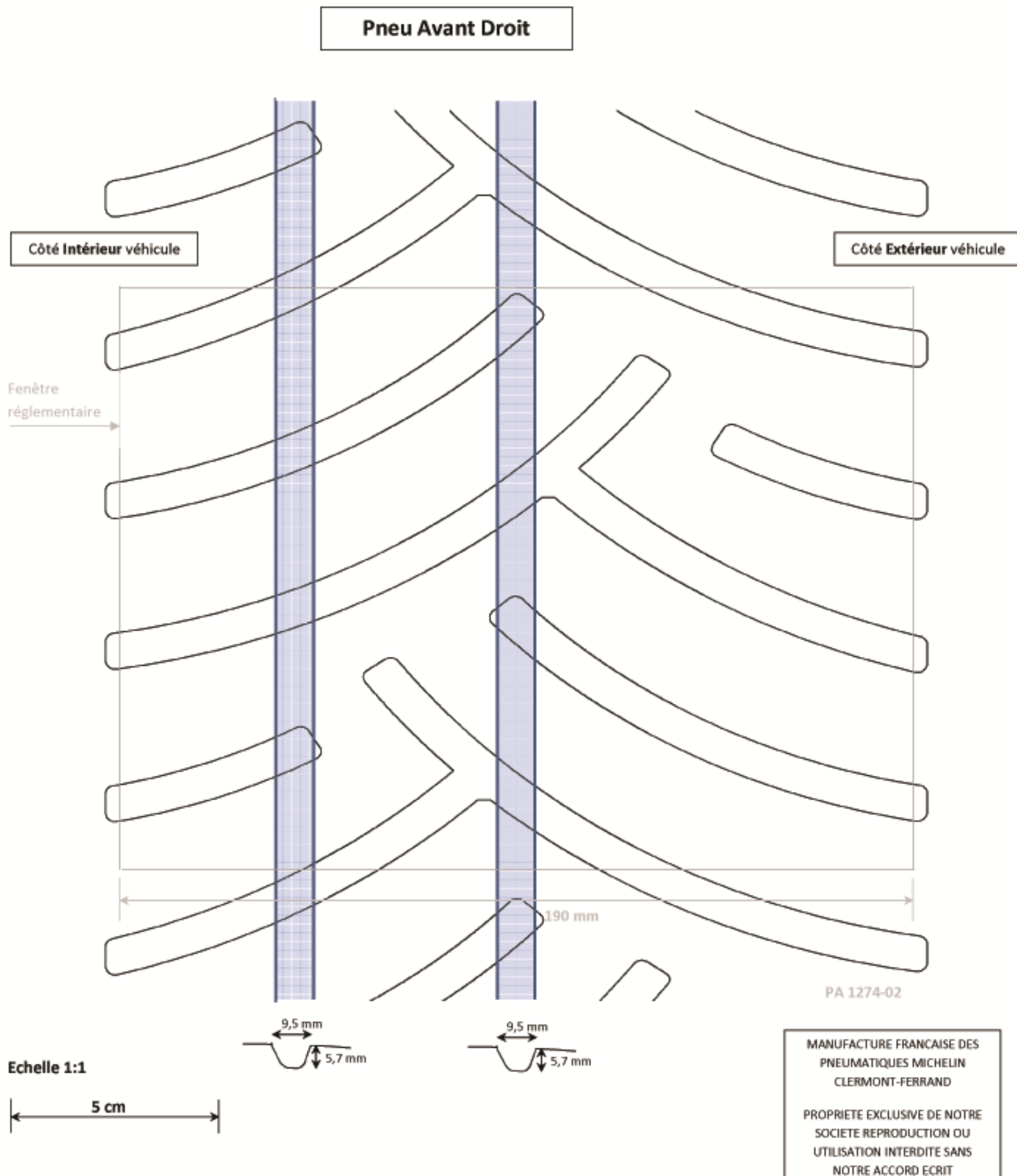


Domaine : Rallye Asphalte

Dimension : 24 / 65 - 18

Entaillement surfacique sur une fenêtre de 190 mm de large : 32,8 %

Clermont-Ferrand le 18/12/2013



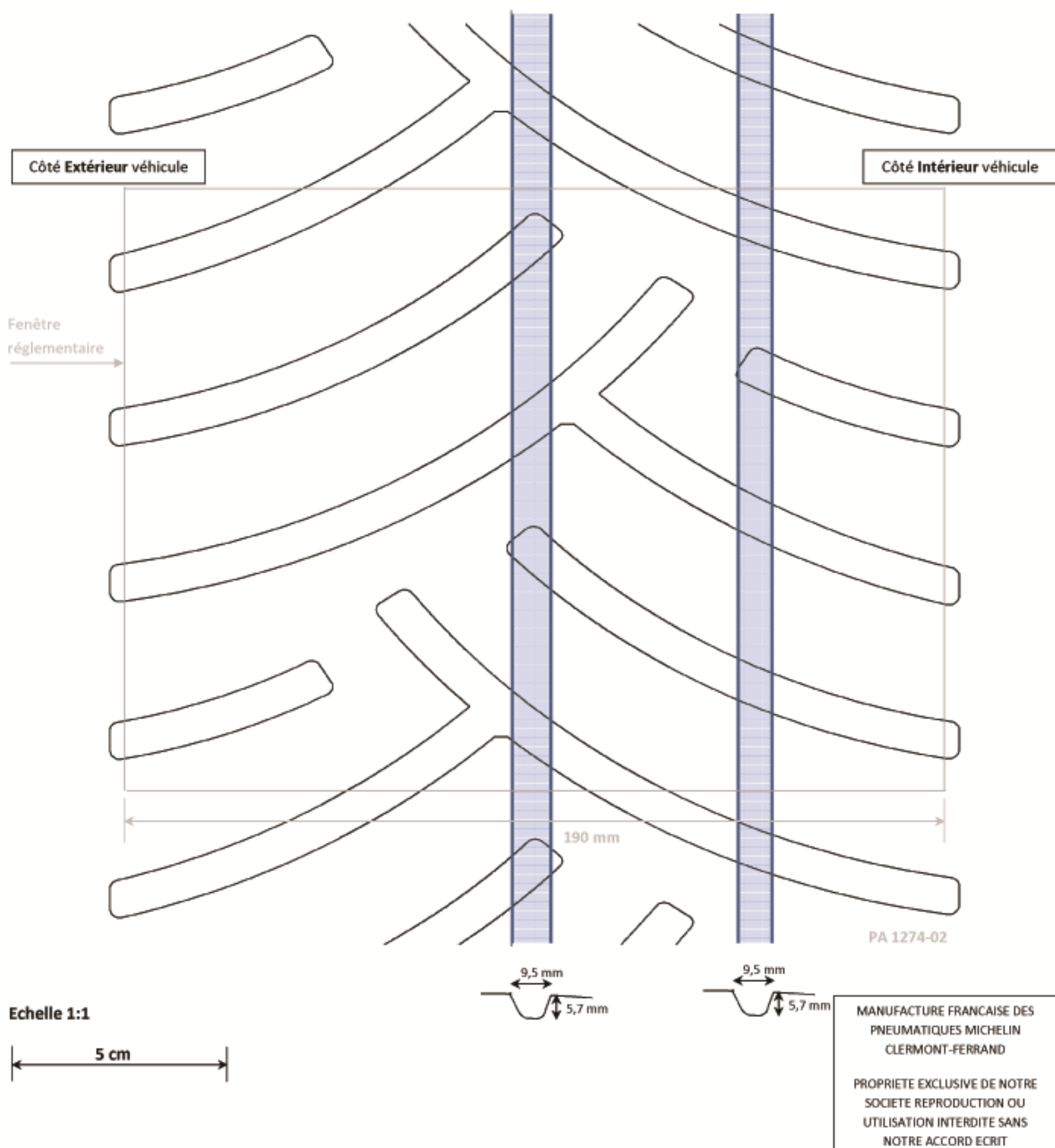
Circonférential grooves are hand-cutted.



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

Clermont-Ferrand le 18/12/2013

Pneu Avant Gauche

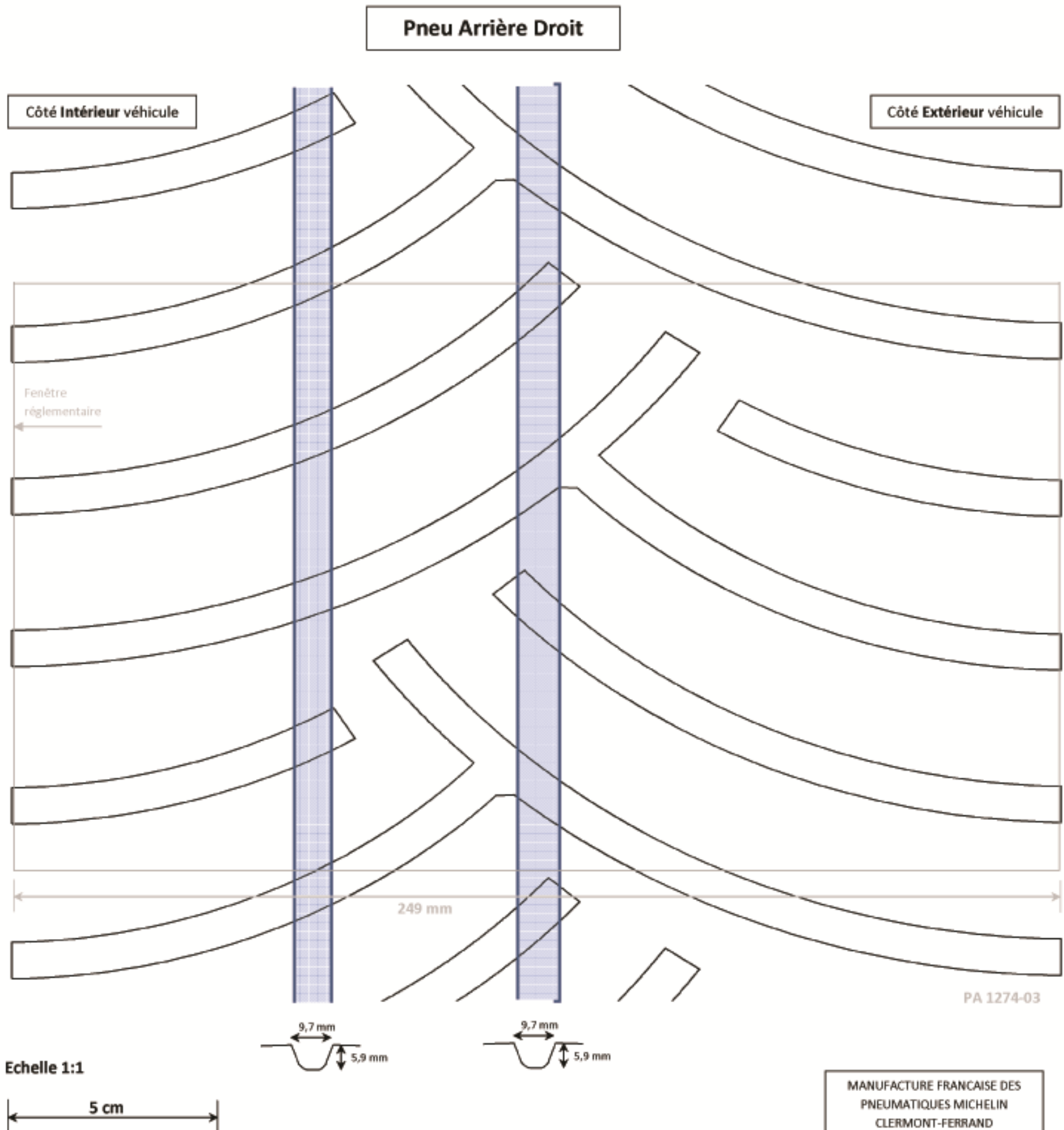


Circonférential grooves are hand-cutted.



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.

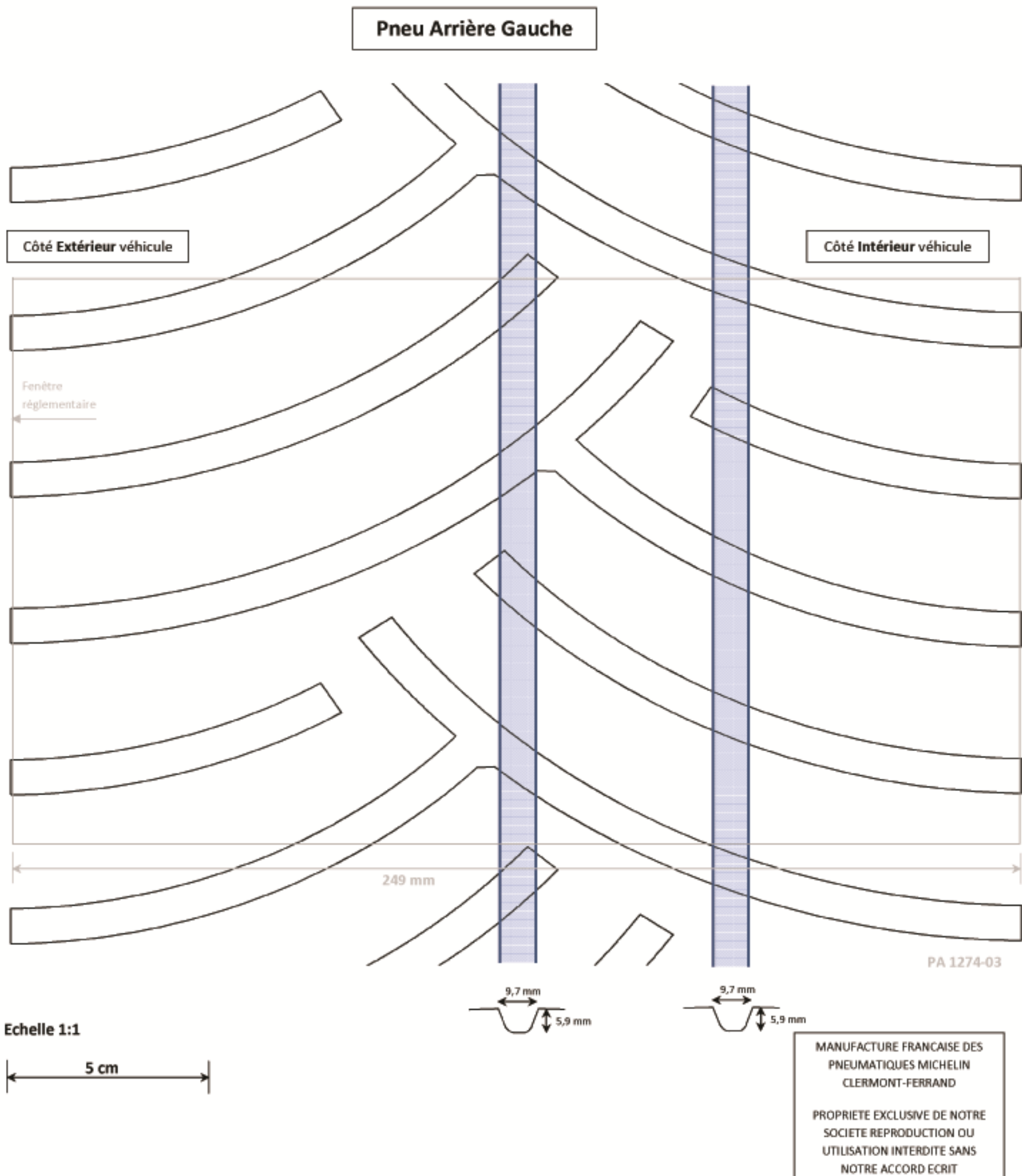


Domaine : **Rallye Asphalte**

Clermont-Ferrand le 18/12/2013

Dimension : **29 / 65 – 18**

Entaillement surfacique sur fenêtre de 249 mm de large : **31 %**



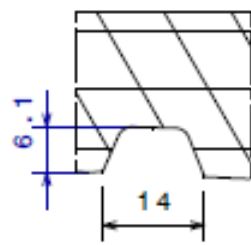
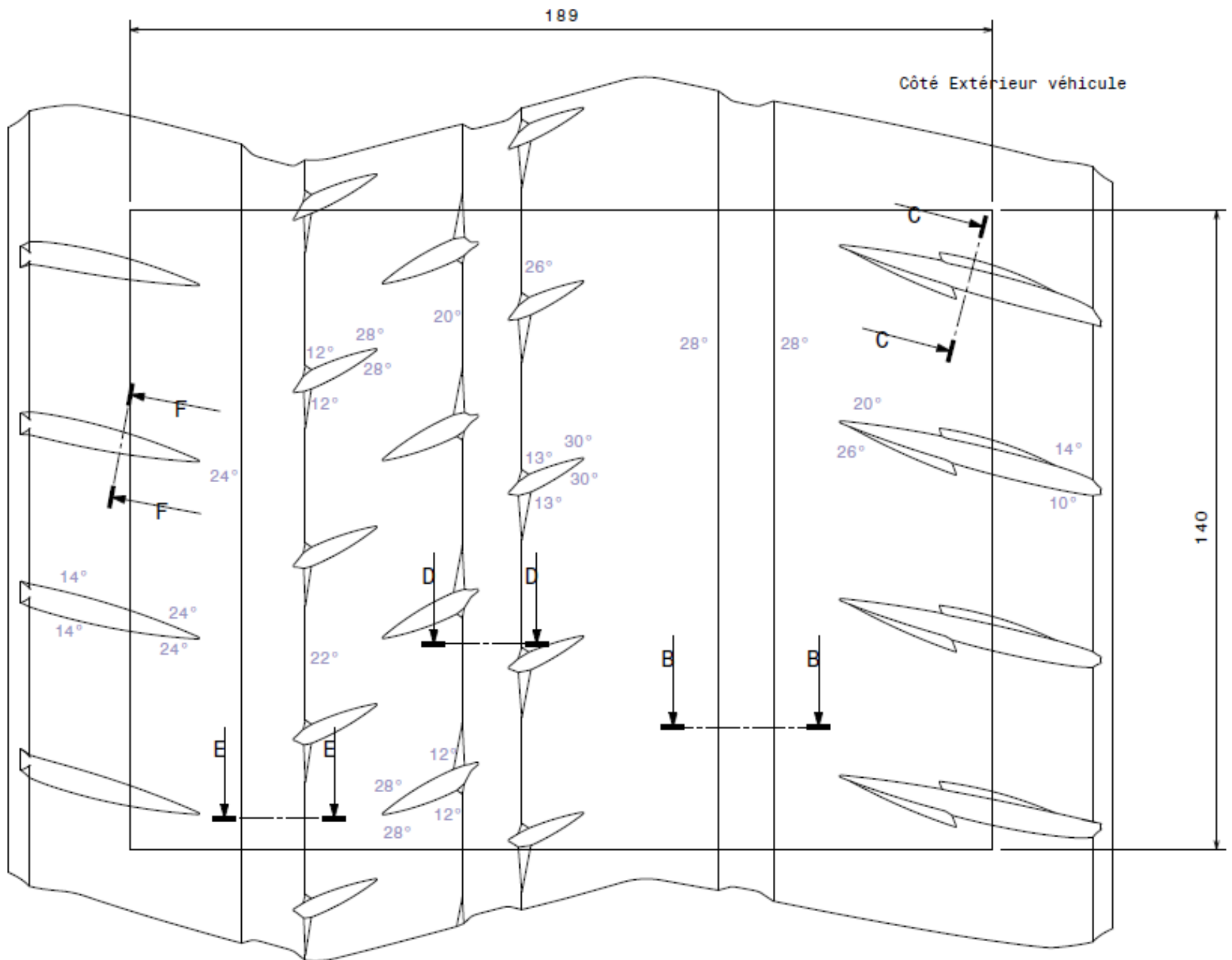
Circonfential groves are hand-cutted.

RGT only – 24/65-18

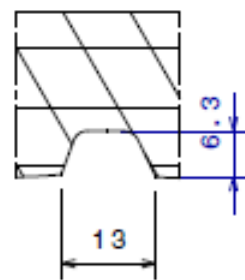


Domaine : Rallye Asphalte
 Dimension : 24/65 R18
 Plan de la sculpture : Pilot Sport R
 Entaillement Surfacing dans fenêtre réglementaire : 21.7 % à 1.8 mm d'usure
 : 17 % à 5.5 mm d'usure

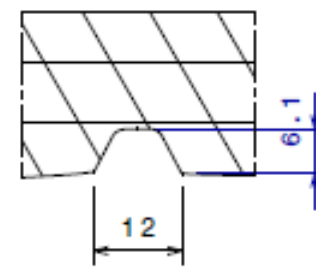
Clermont-Ferrand le 28/02/2018



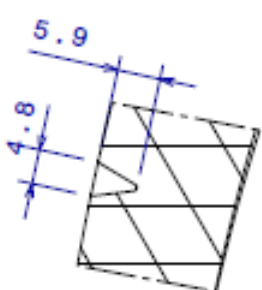
Coupe E-E



Coupe D-D

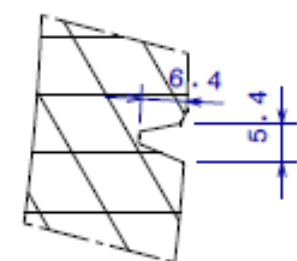


Coupe B-B



Coupe F-F

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 SANS NOTRE ACCORD ECRIT

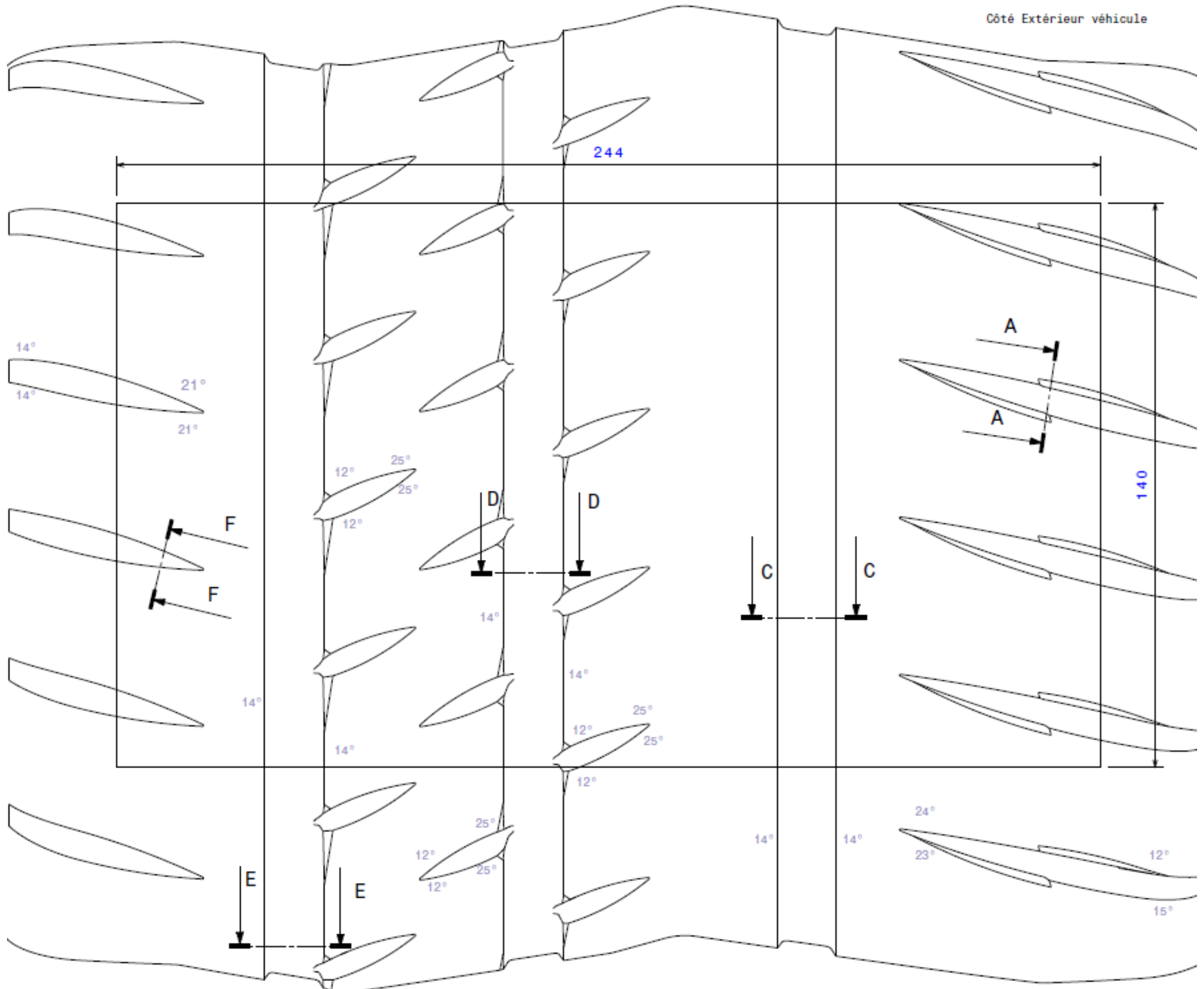


Coupe C-C

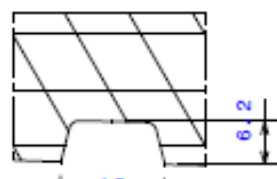


Domaine : Rallye Asphalte
 Dimension : 29/65 R18
 Plan de la sculpture : Pilot Sport R
 Entaillement Surfaccique dans fenêtre règlementaire : 22.6 % à 1.8 mm d'usure
 : 19.2 % à 5.5 mm d'usure

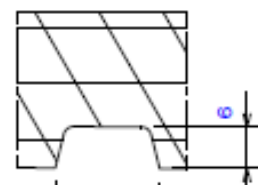
Clermont-Ferrand le 28/02/2018



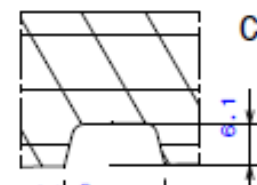
Coupe F-F



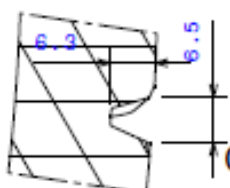
Coupe E-E



Coupe D-D



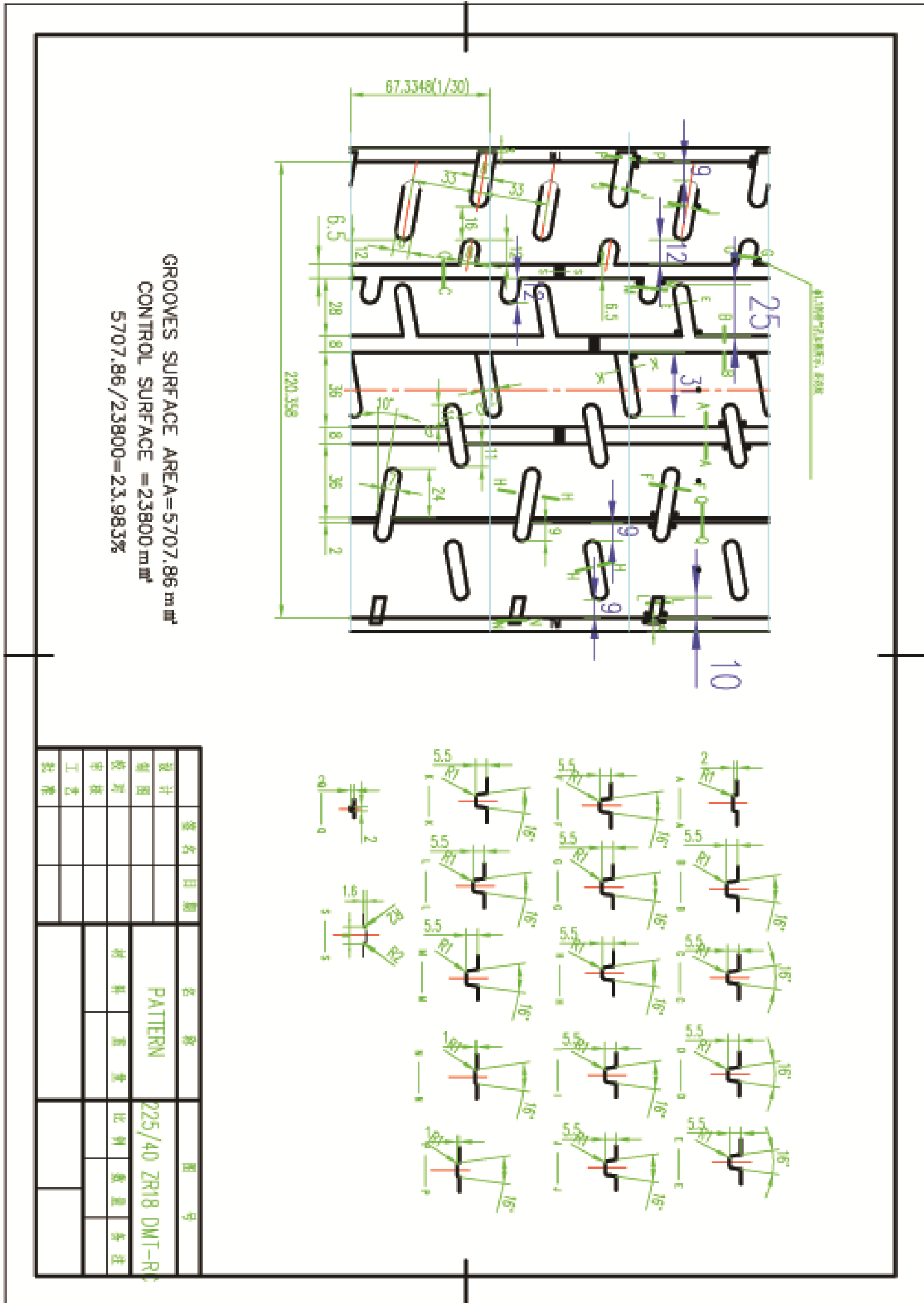
Coupe C-C



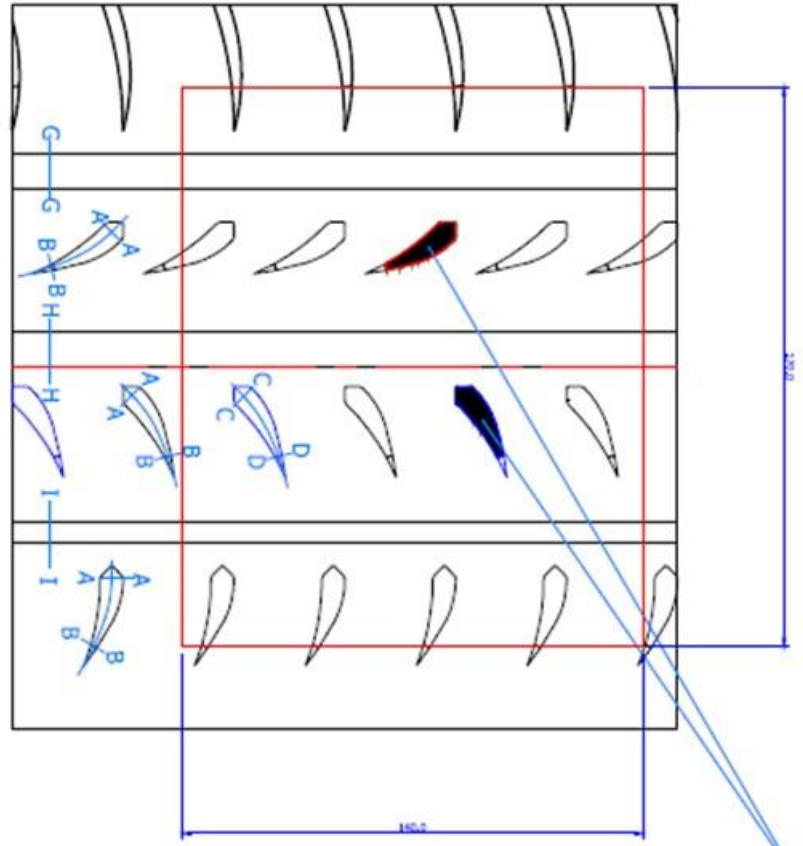
Coupe A-A

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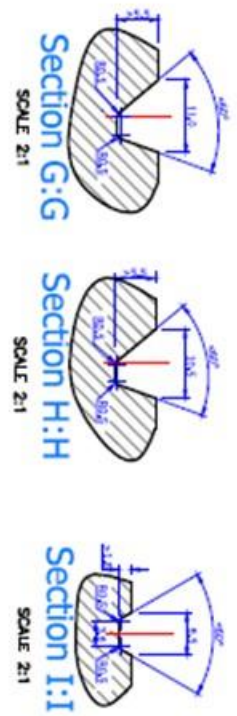
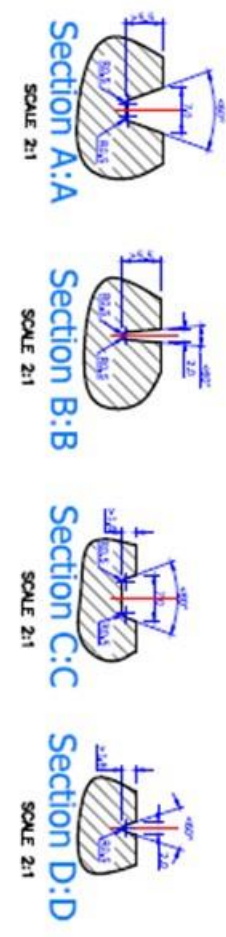
18" – 225/40-18



18" – 225/40-18



Single element
area 125.56mm²



RIM 8.0" Class 9"

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

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

DRAWING REFERENCES	APPROVAL

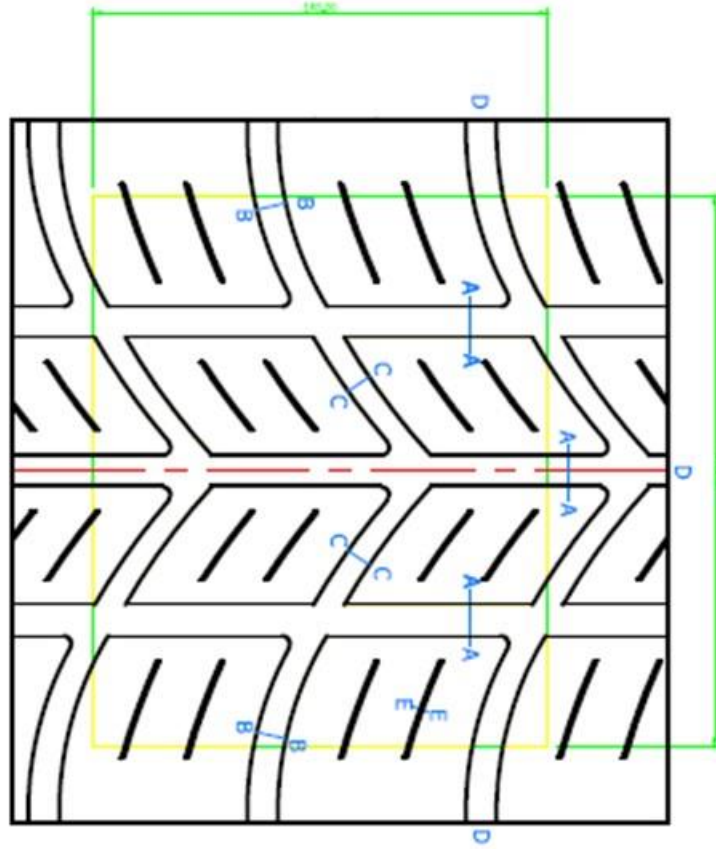
DIMENSIONS	225/40 R18 DMT RC22 - FIA Homologation table
MM	
MATERIAL	DMACK TYRES - ENGLAND,

ISSUE	MODIFICATION	DATE	SIGN
1		11.21.21	

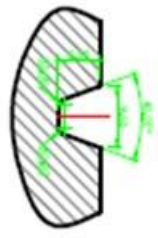


SCALE: 1:1, 2:1, 3:1
 DSNR: 02/22/2016 BY: F. S.M.A.®
 16FB037

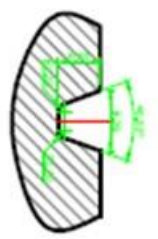
18" – 225/40-18



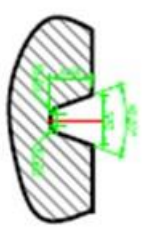
Tread Pattern Detail
SCALE 1:1



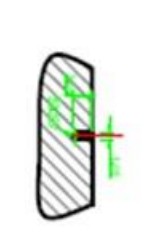
Section A:A
SCALE 2:1



Section B:B
SCALE 2:1



Section C:C
SCALE 2:1



Section E:E
SCALE 2:1

RIM 8.0" Class 9"

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

DRAWING REFERENCES	APPROVAL

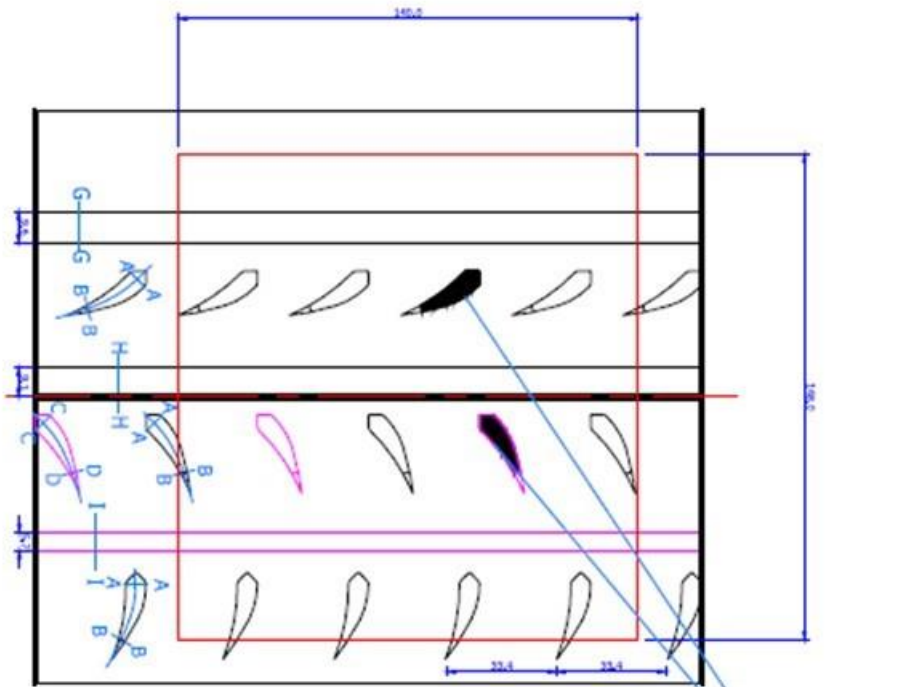
COMPONENTS	DESCRIPTION

ISSUE	MODIFICATION	DATE	SIGN
1			

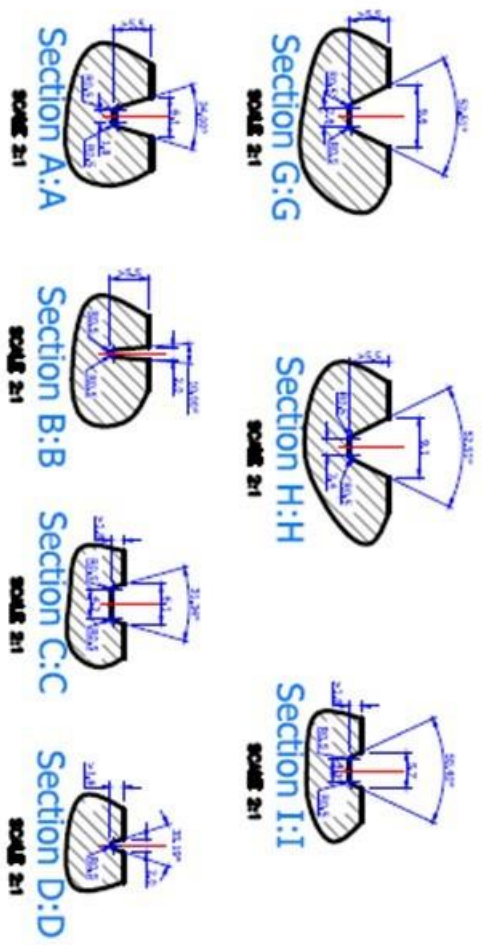


SCALE: 1:1, 2:1, 3:1
 DSN: 26/04/2018 BY: K. BWA
 16FB001

17" – 205/45-17



Single element
area 93.7mm²



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	205/45 R17 DMT RC2 - FIA Homologation details
MATERIAL	DMACK TYRES - ENGLAND,

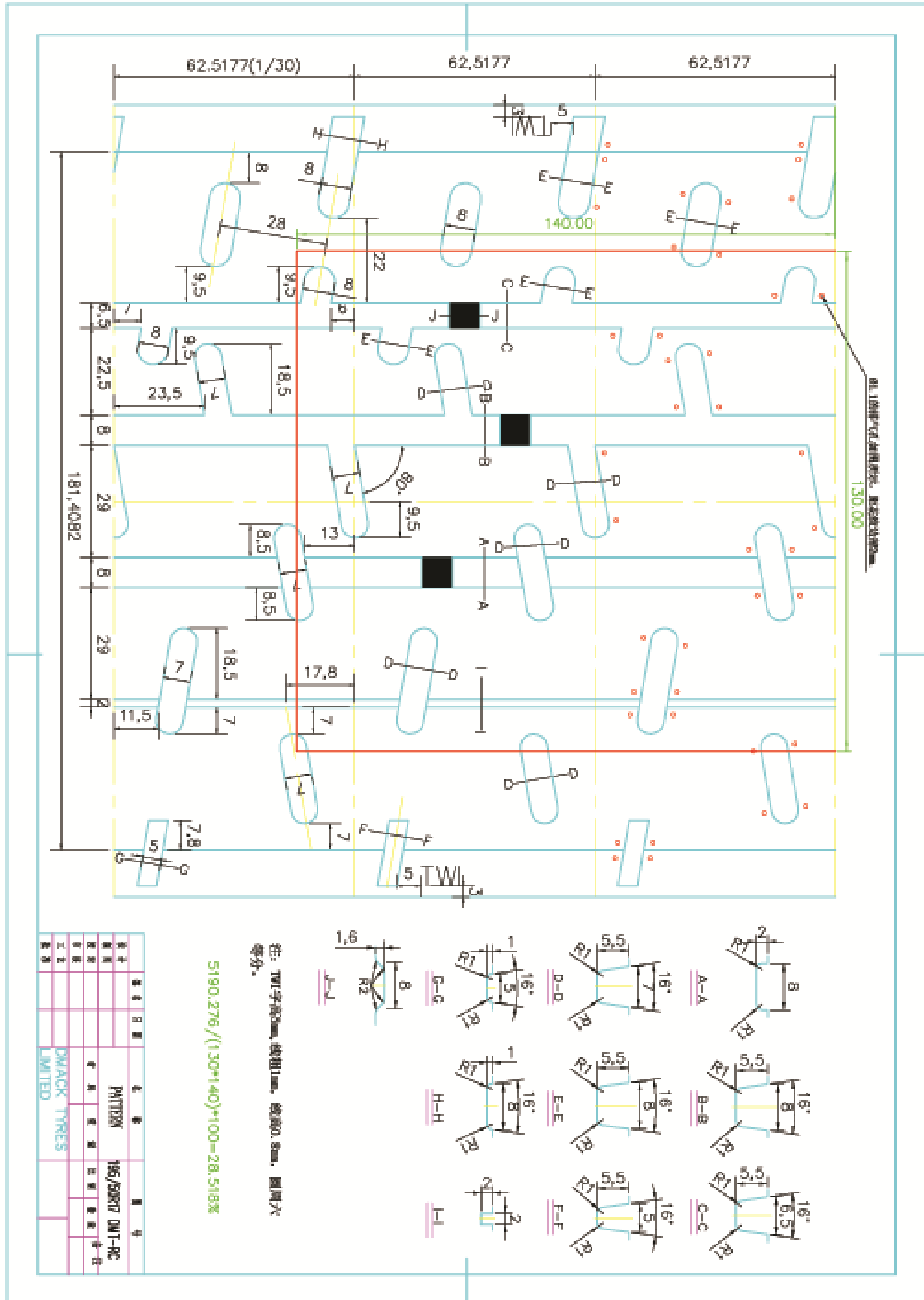
This drawing is the property of DMACK Tyres & is not to be used for any other purpose without the written consent of DMACK Tyres. The user of this drawing is advised to check the latest version of this drawing for any amendments.

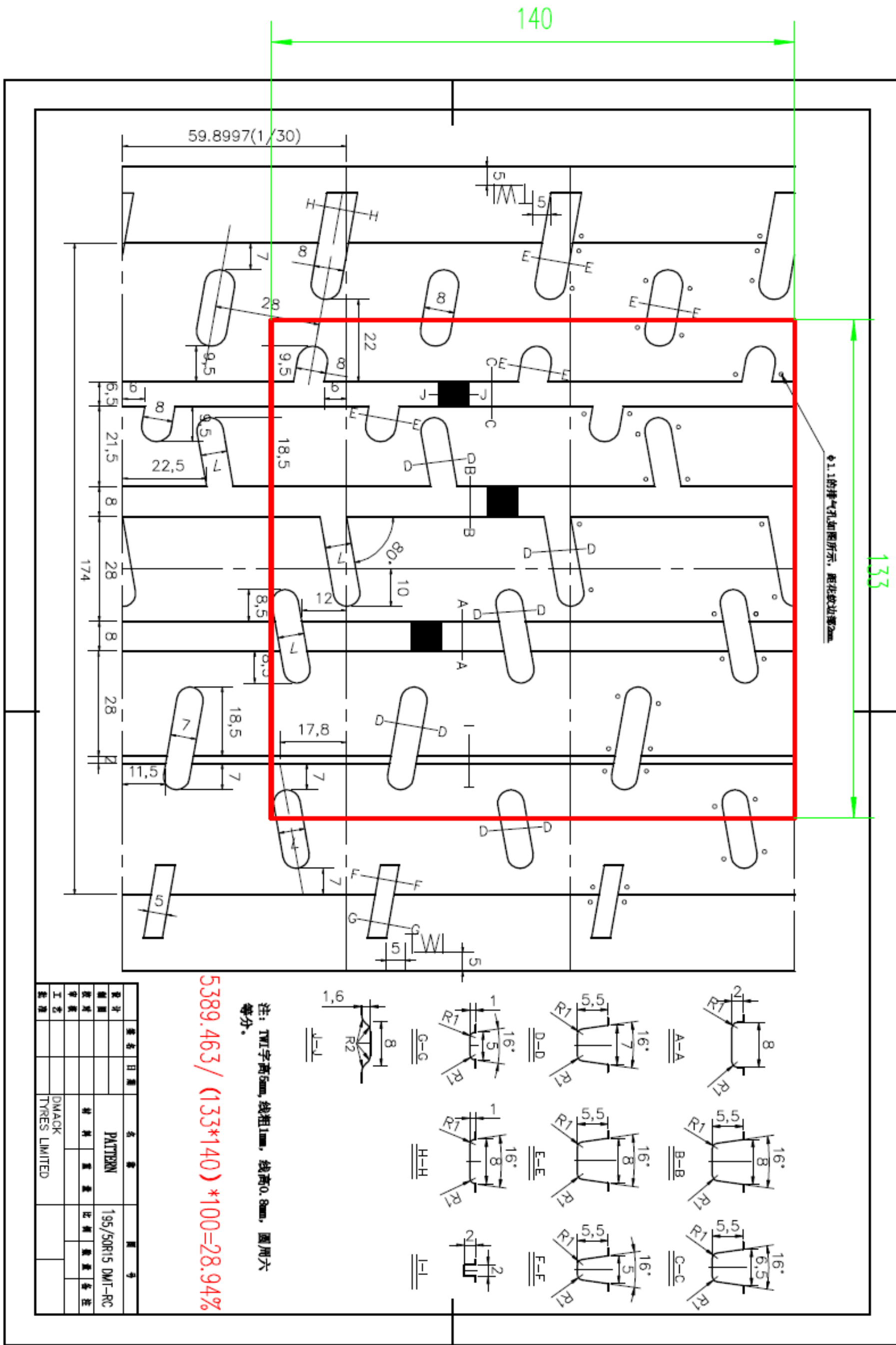
ISSUE	MODIFICATION	DATE	SIGN
1		11.21.21	

DMACK

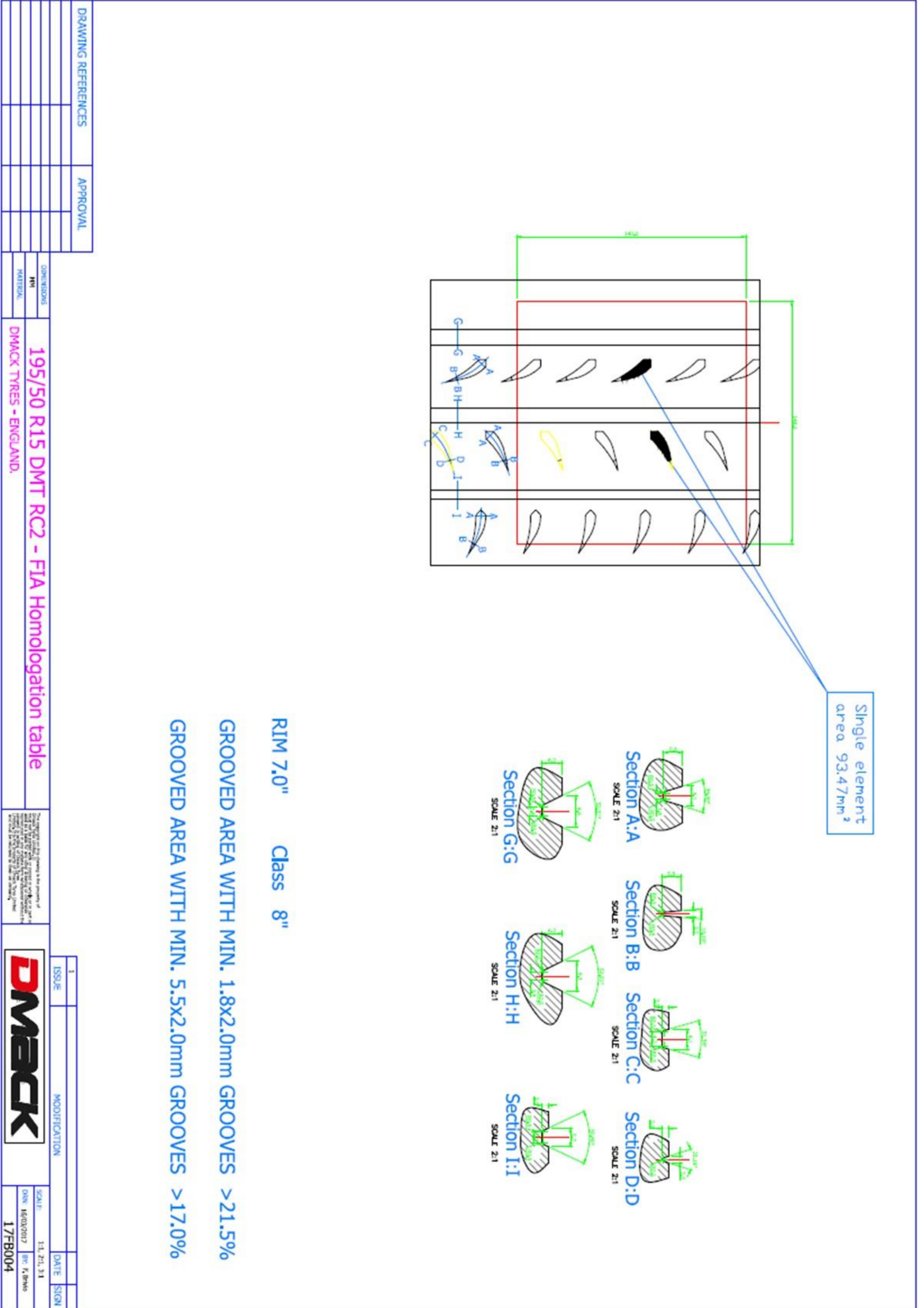
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 DSN: 19/10/2019 BY: F. BWA
 16FB031

17" – 195/50-17

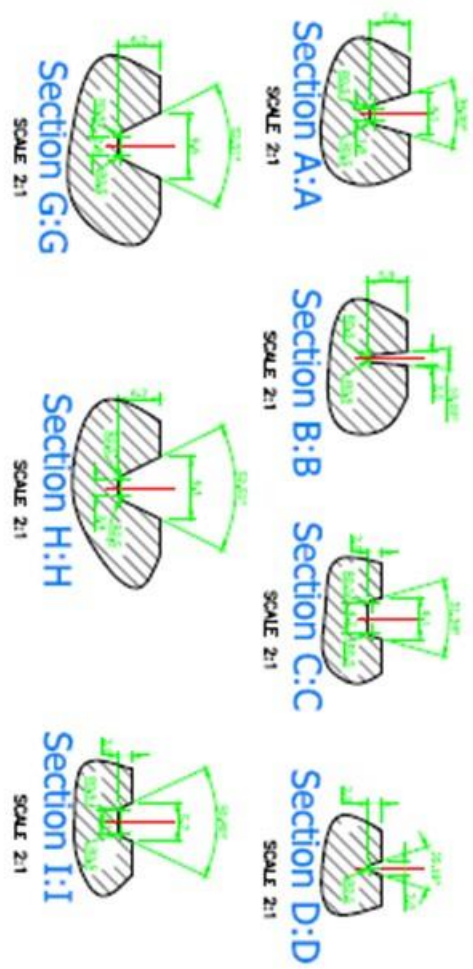




15" – 195/50-15



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%

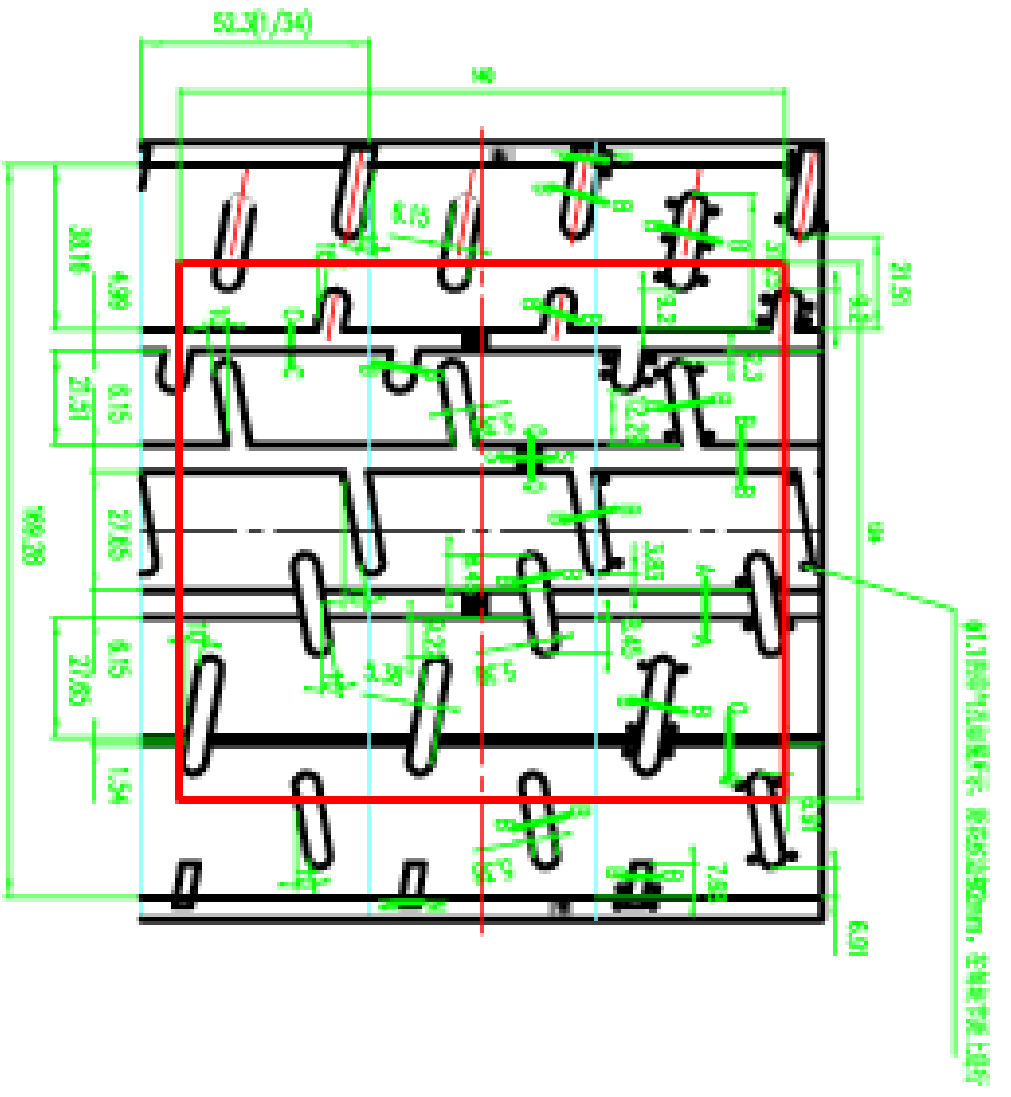
DRAWING REFERENCES	APPROVAL

DIMENSIONS	195/50 R15 DMT RC2 - FIA Homologation table
HM	
MATERIAL	DMACK TYRES - ENGLAND.

ISSUE	MODIFICATION	DATE	SIGN
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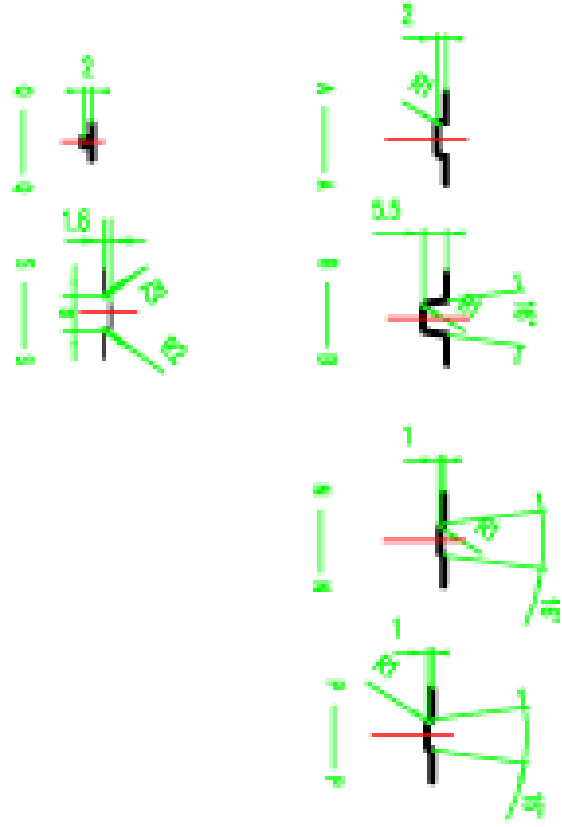
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 DWN: 16/03/2017 BY: F. BMS
 17FB004

14" – 175/60-14



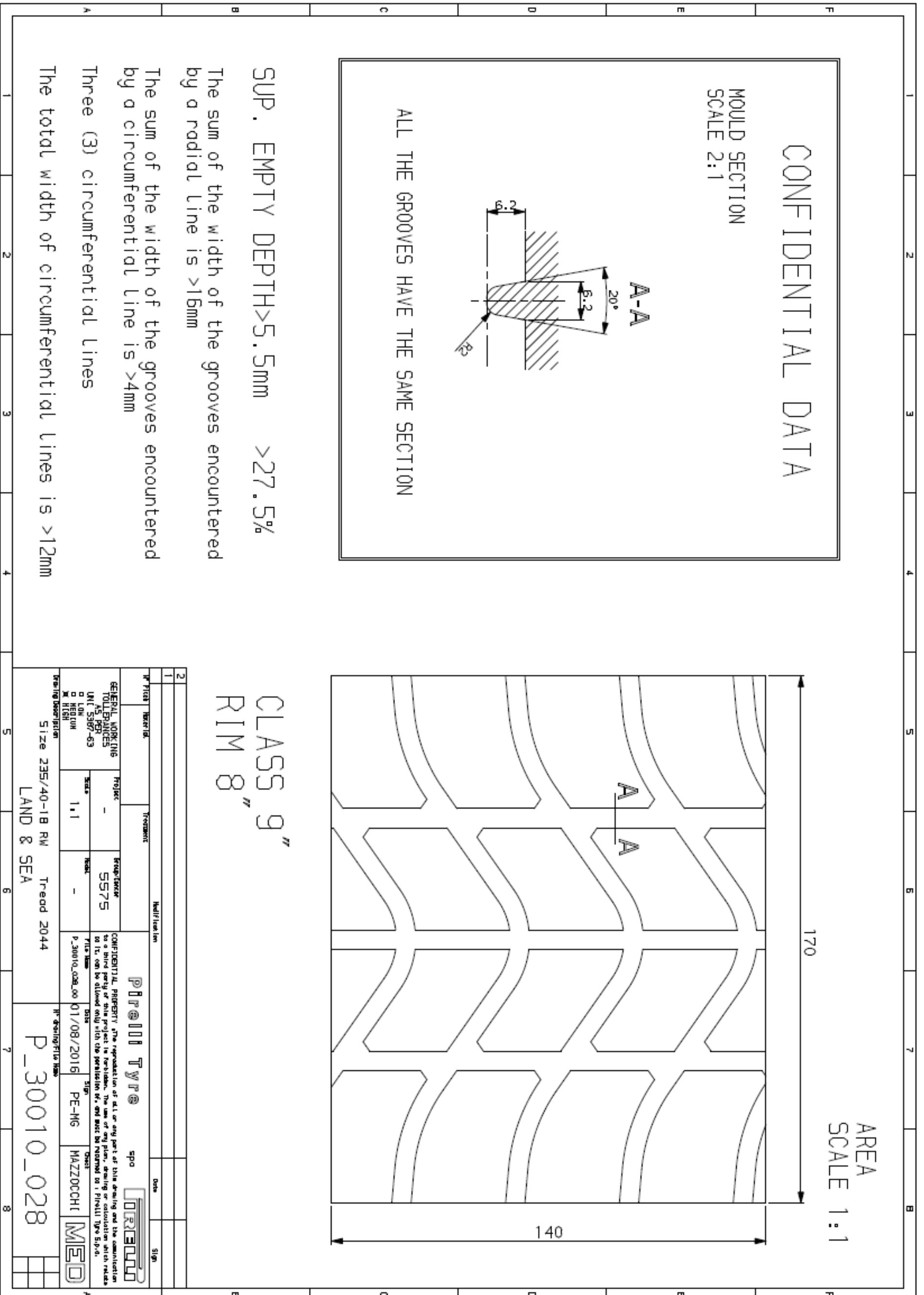
注：TWI字高3mm，线粗1mm，线高0.8mm，圆周六等分

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



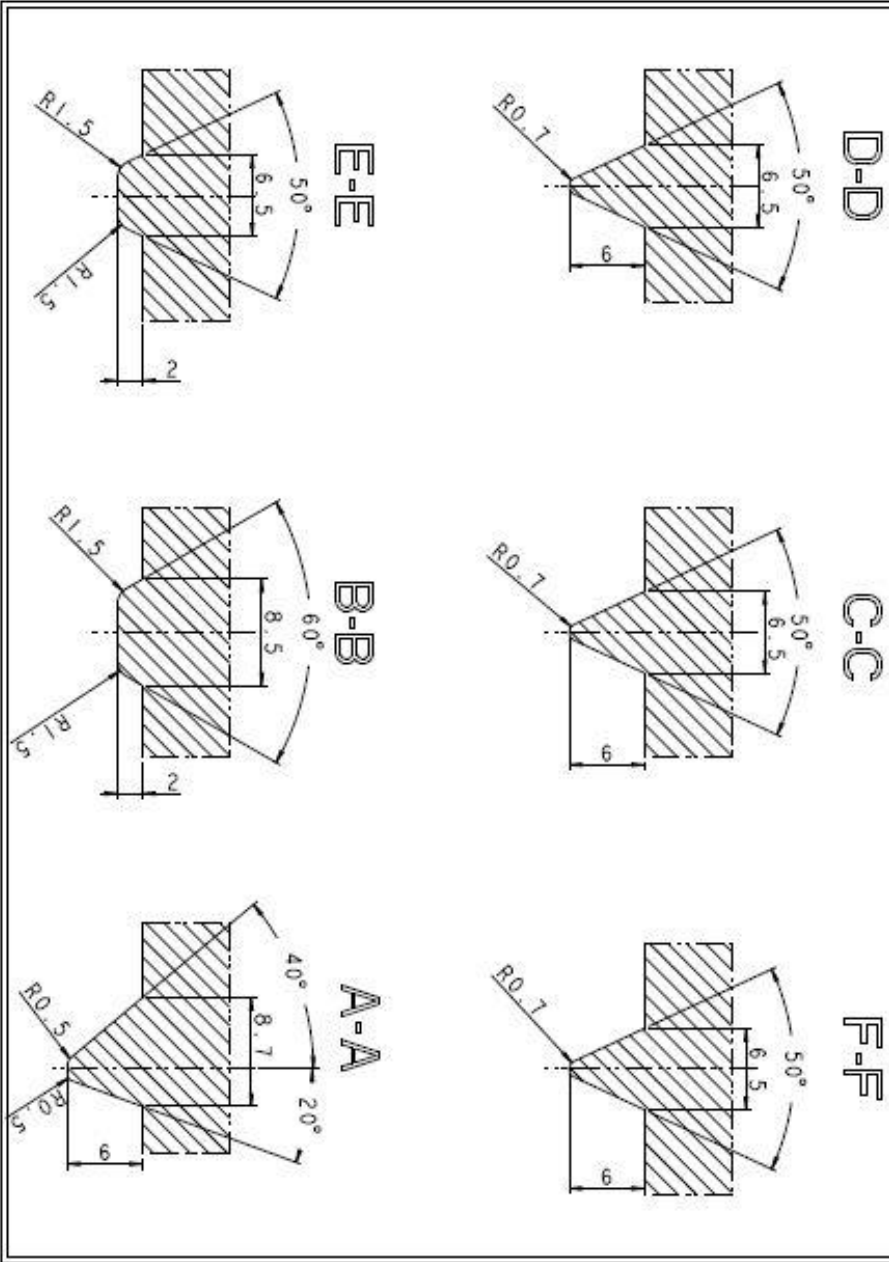
设计	姓名	日期	名称	图号
制图			TREAD	175/60R14 DMT-RC
校对			材料	重量
审核				比例
工艺				数量
标准			DMACK TYRES LTD	备注

18" – 235/40 - 18



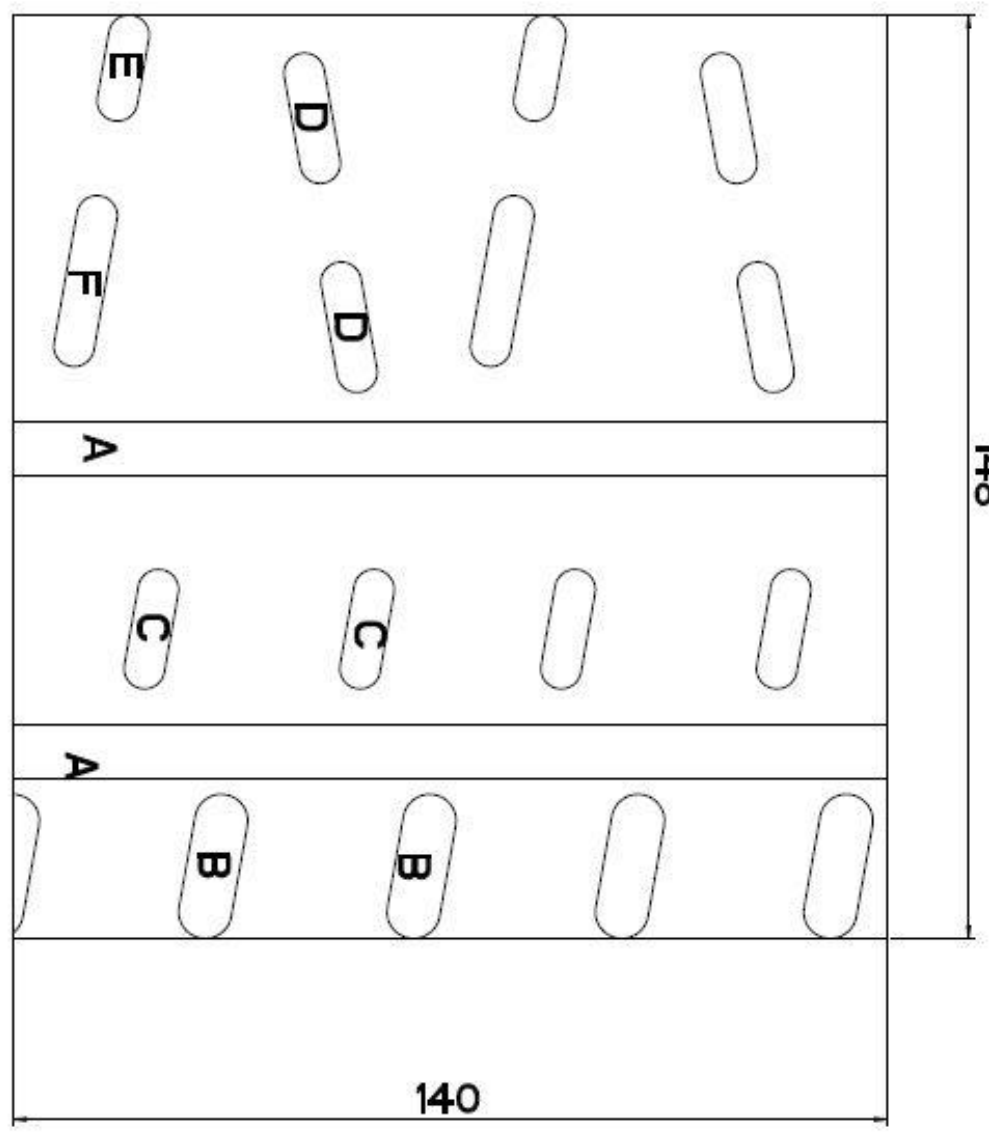
CONFIDENTIAL DATA

MOULD SECTION
SCALE 2:1



SUP. EMPTY DEPTH > 5.5 > 17%
 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 circumferential lines is > 12mm

AREA
SCALE 1:1

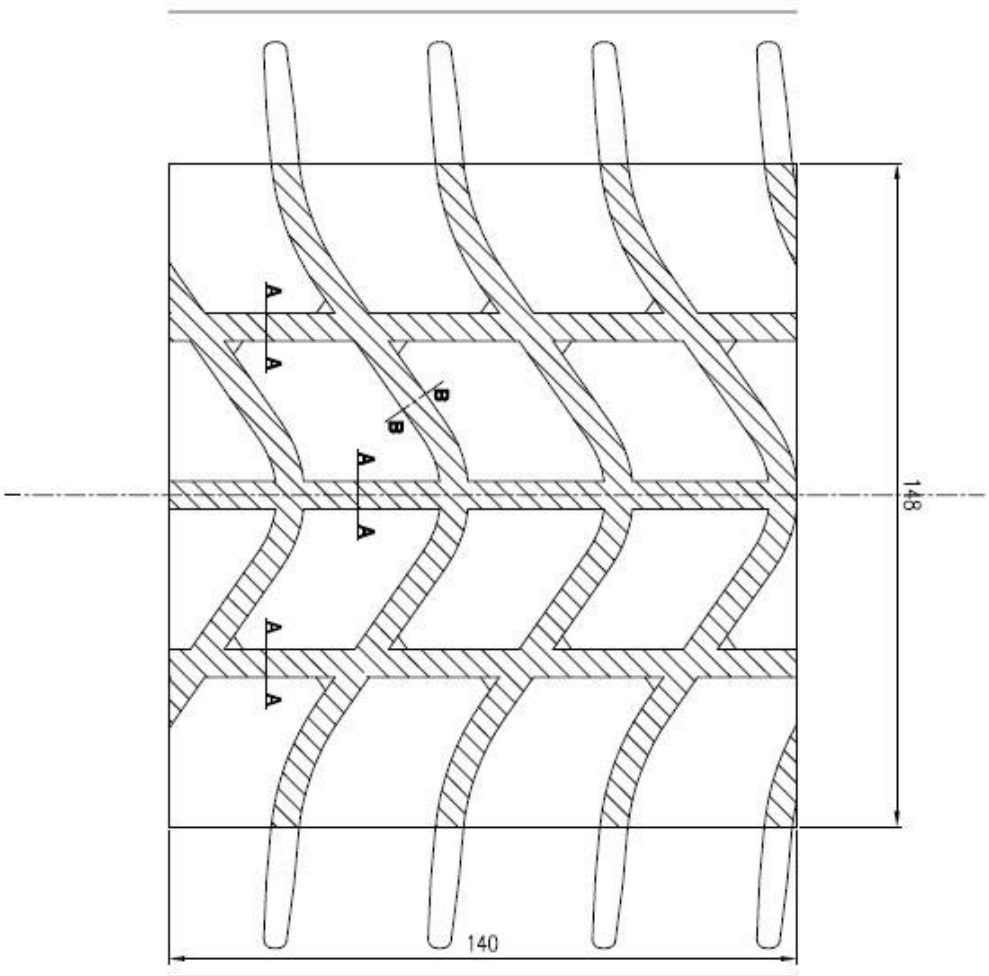
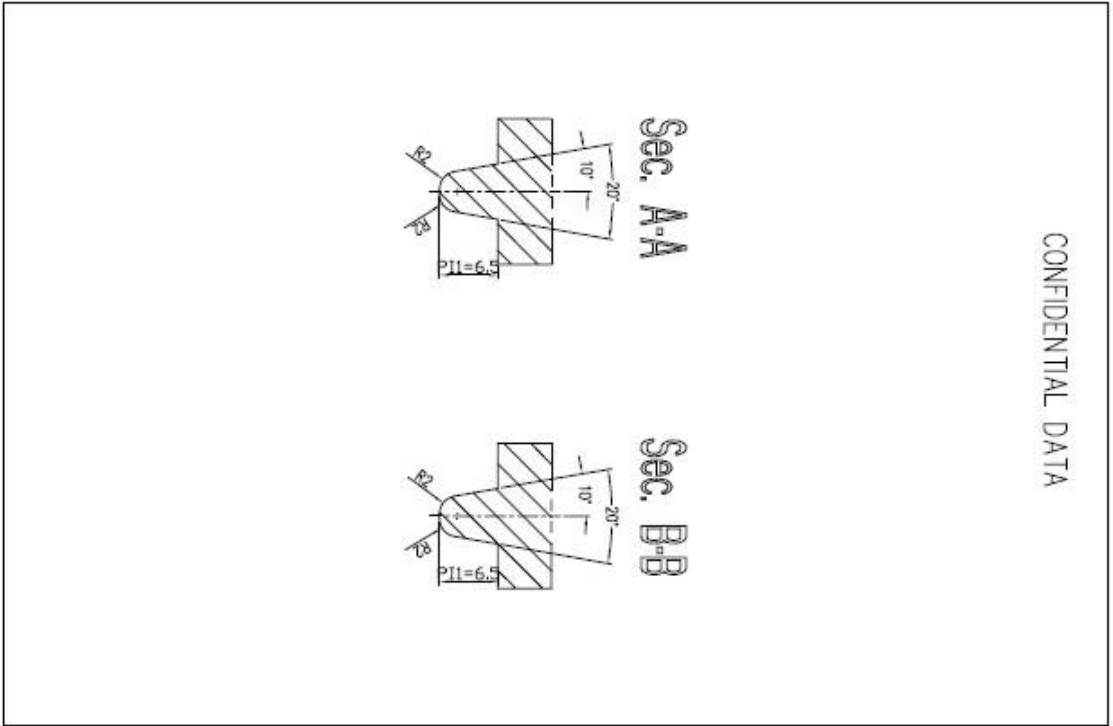


CLASS 8"
RIM 7"

4									
3									
2									
1									
N									
GENERAL WORKING TOLERANCE UNI 3881-85		Project		Treatment		Modification		Date	
<input type="checkbox"/> LOW <input type="checkbox"/> MEDIUM <input checked="" type="checkbox"/> HIGH		Scale 1:1		Model PV		CONFIDENTIAL PROPERTY: The reproduction or all or any part of this drawing and the compilation for a third party of this project is forbidden. The use of any plan, drawing or calculation which relates to it, can be allowed only with the permission of: Pirelli Tyres S.p.A.		Pirelli Tyre spa 	
Drawing Description		Size 195/50-16 RK		Tread 1838A		Date 19/03/2014		Sign	
LAWD & SEA								MAZZOCCHI	
								PRO/E	
								P_30004_291	



16" – 195/50-16

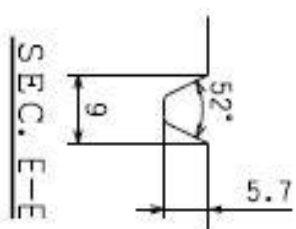
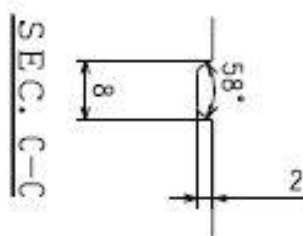
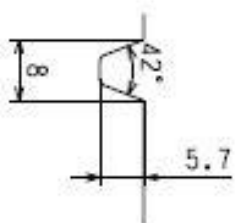
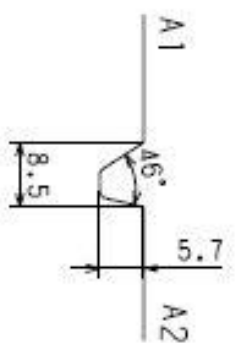
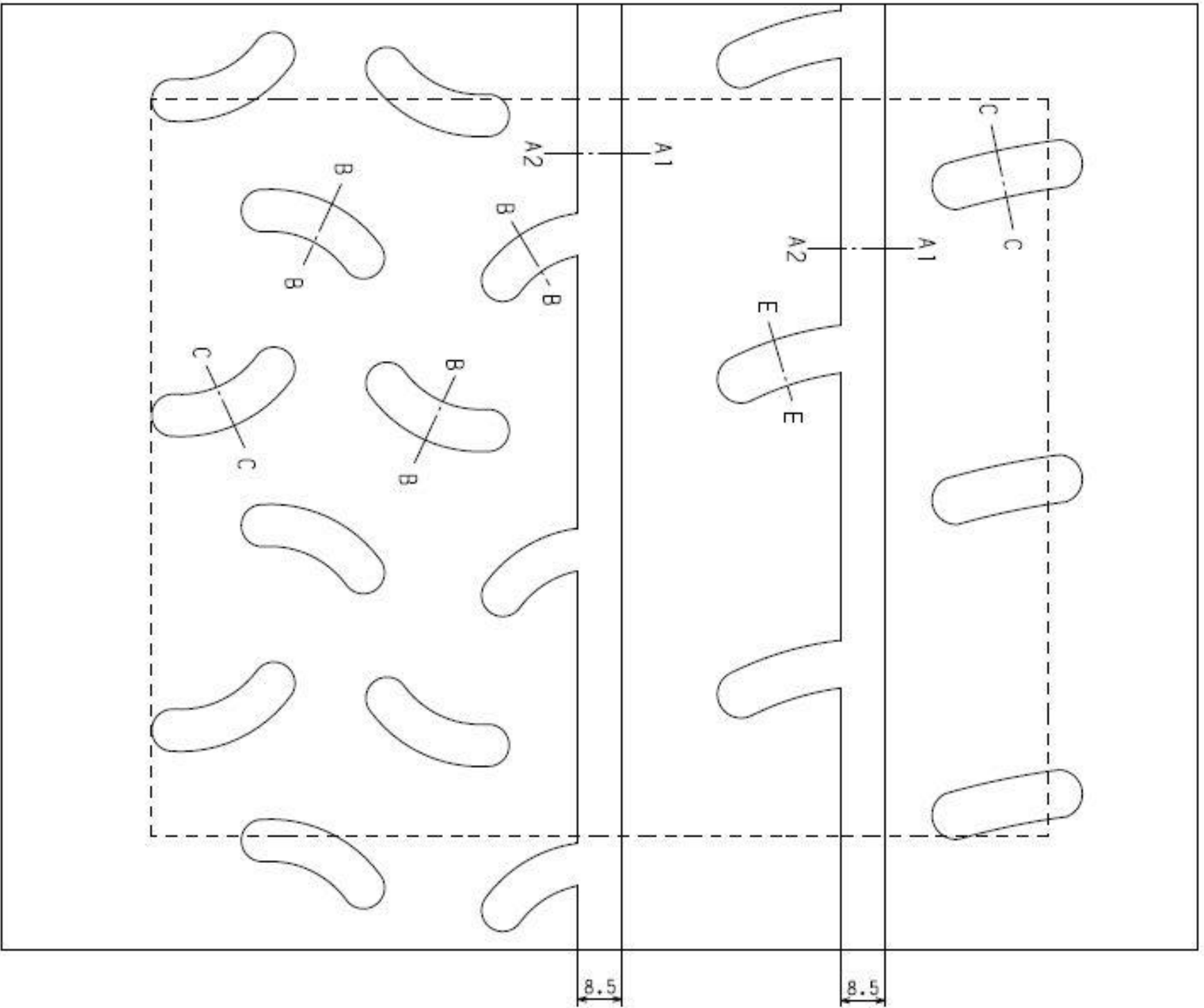


SUP. EMPTY DEPTH>5.5 > 17.0 %
 SUP. EMPTY DEPTH>1.8 > 21.5 %
 The sum of the width of the grooves encountered by a radial line is >12mm
 The total width of the circumferential lines is >16mm

Class 8"
 Rim 6.5"

GENERAL WARNING		CONFIDENTIAL PROPERTY	
TOLERANCES		IN A PART OF THE PROJECT IS INDICATED THE USE OF ANY PART, CLIPPING OR REPRODUCTION WITH THE	
LOW		BY THE USER WITHOUT THE PERMISSION OF THE PROJECT OWNER. IT IS NOT TO BE USED FOR ANY OTHER PURPOSE.	
MEDIUM		DATE: 01/05/2018	
HIGH		TYPE: EV	
Size 195/50 R16 RW		Tread 2044	
LAND AND SEA		P_30016_172	
SR		SR	
SR		SR	

18" – 235/40-18



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

----- Control area 170X140

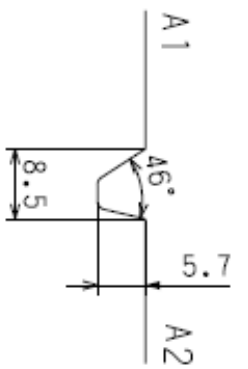
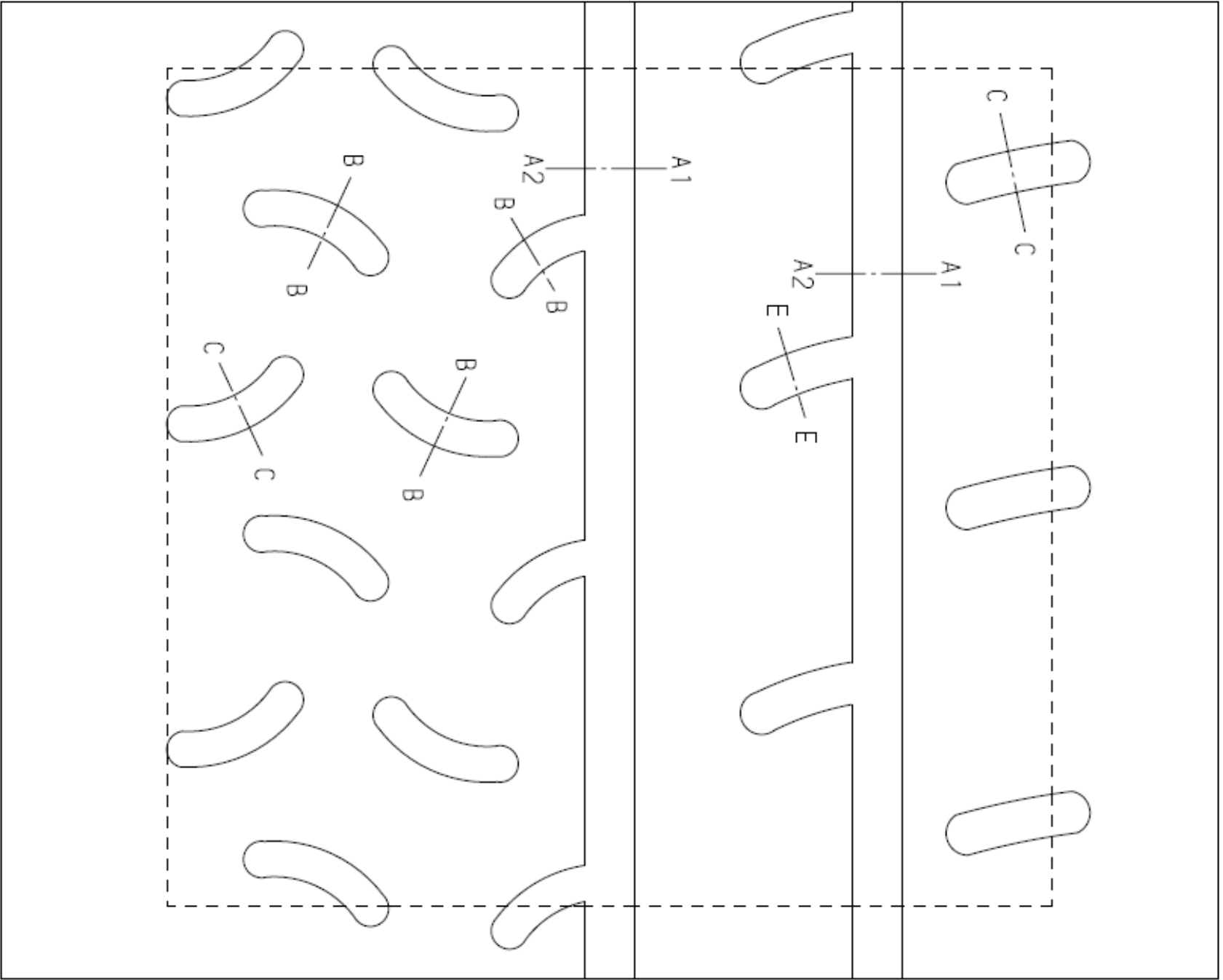
Tyre weight 9.7kg

PRODUCT NAME
YOKOHAMA ADVAN A051T

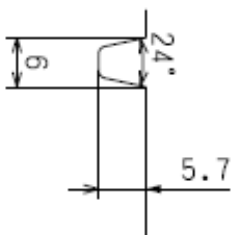
PATTERN NAME
A051A

SIZE 210/650R18

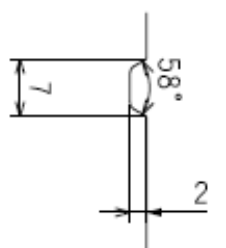
17" – 190/625-17



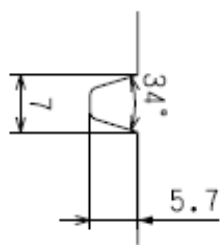
SEC. A1-A2



SEC. B-B



SEC. C-C



SEC. E-E

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

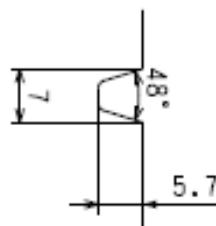
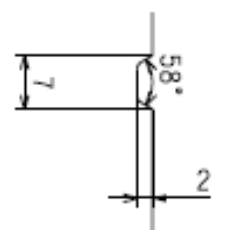
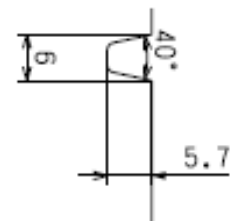
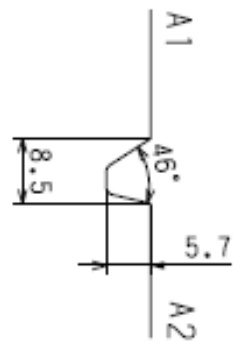
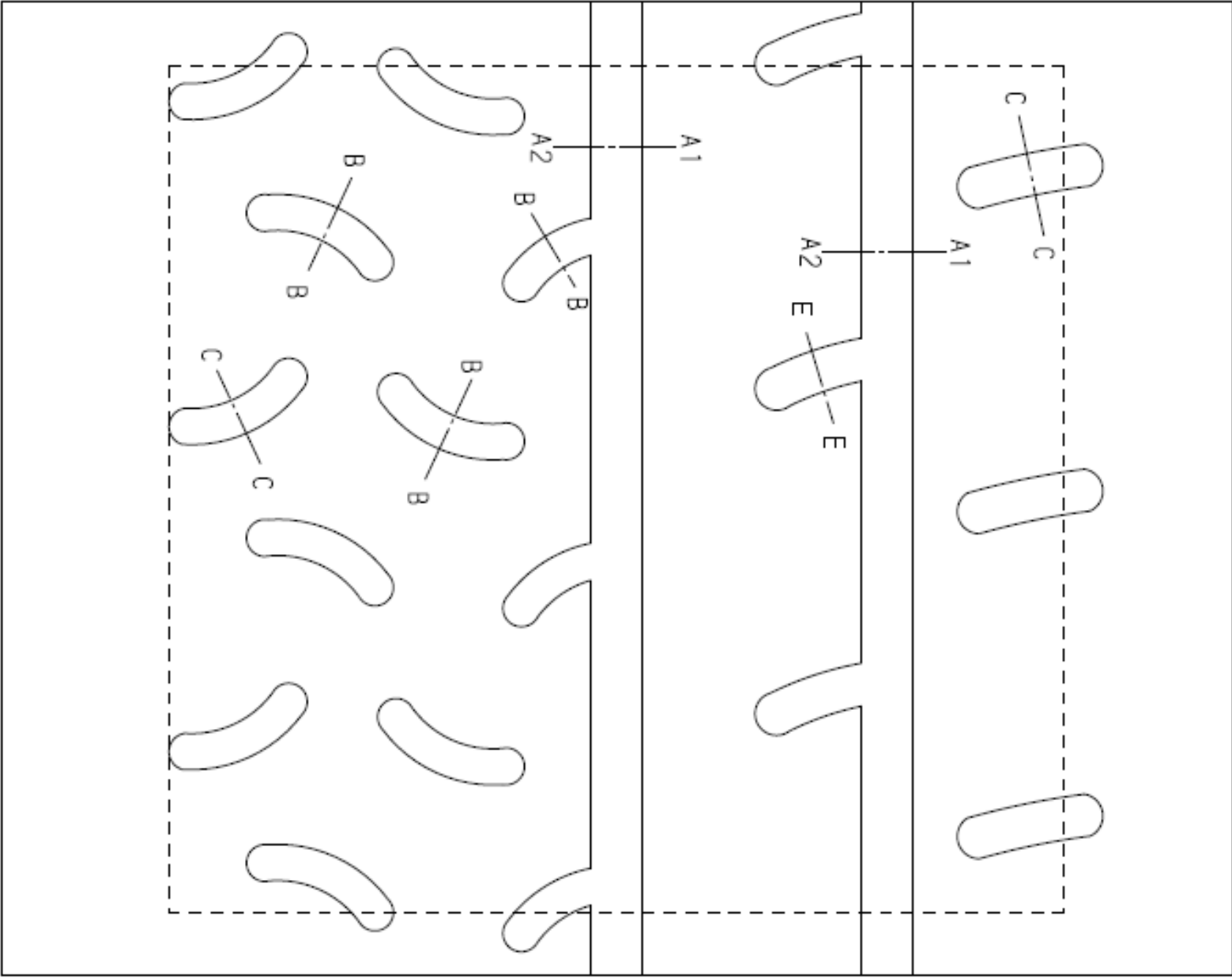
----- Control area 148X140

PRODUCT NAME
YOKOHAMA ADVAN A0517

PATTERN NAME
A051A

SIZE 190/625R17

17" – 210/625-17



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%

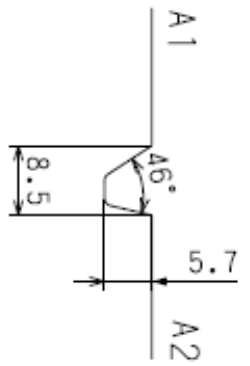
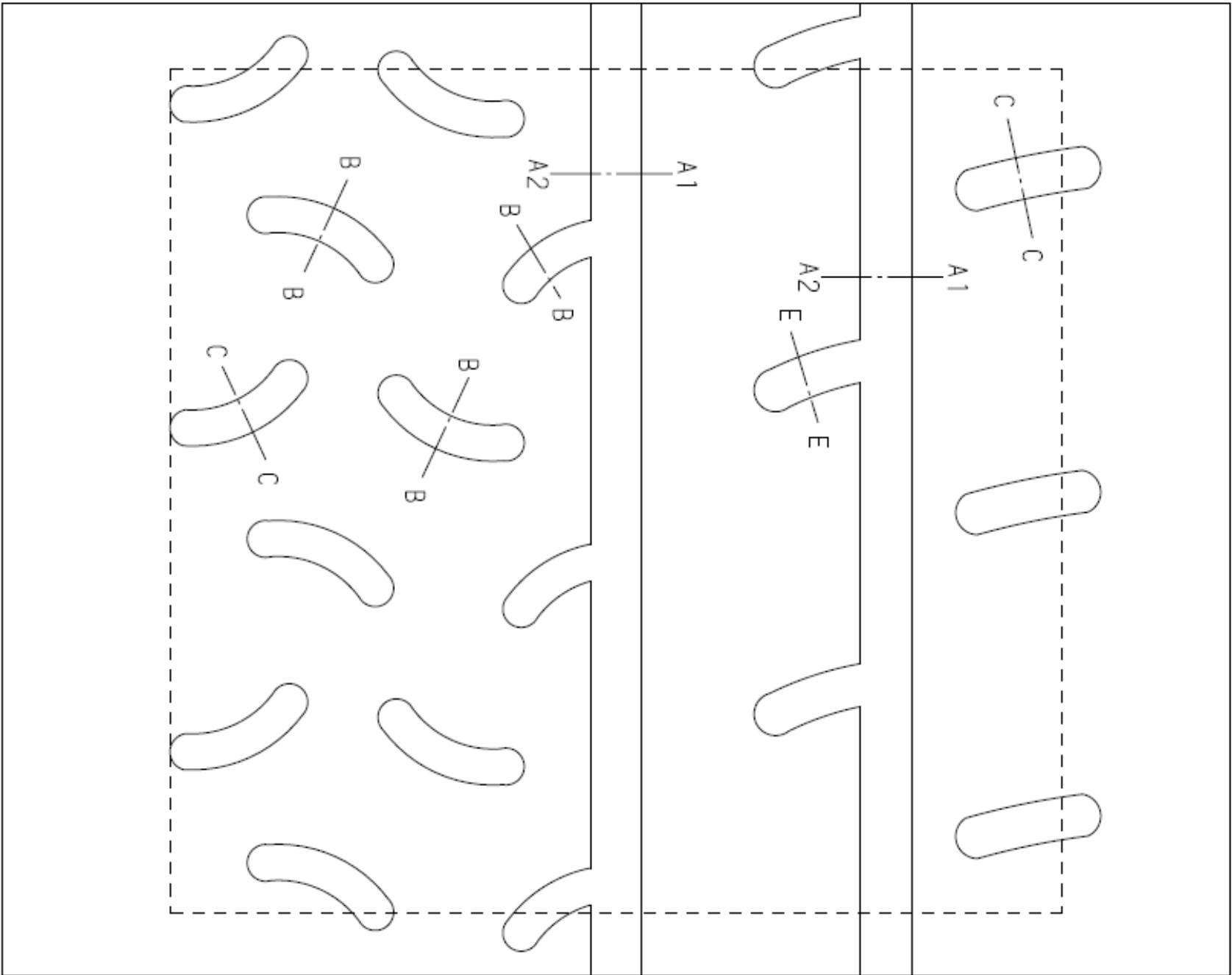
----- Control area 170X140

PRODUCT NAME
YOKOHAMA ADVAN A051T

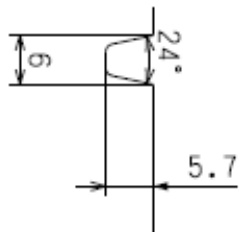
PATTERN NAME
A051A

SIZE 210/625R17

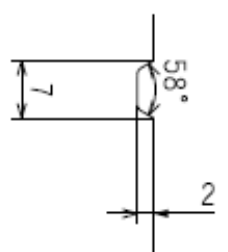
16" – 190/600-16



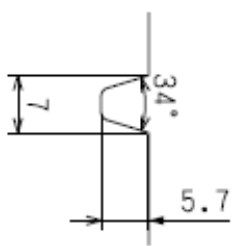
SEC. A1-A2



SEC. B-B



SEC. C-C



SEC. E-E

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

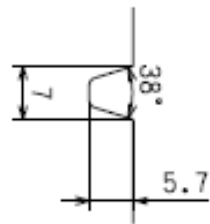
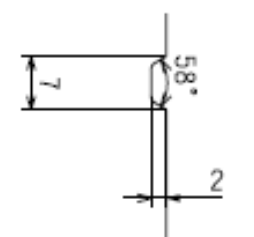
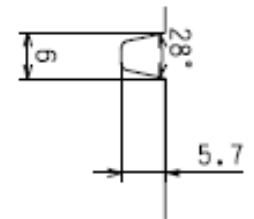
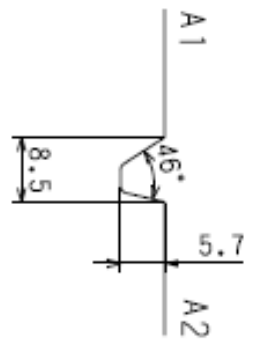
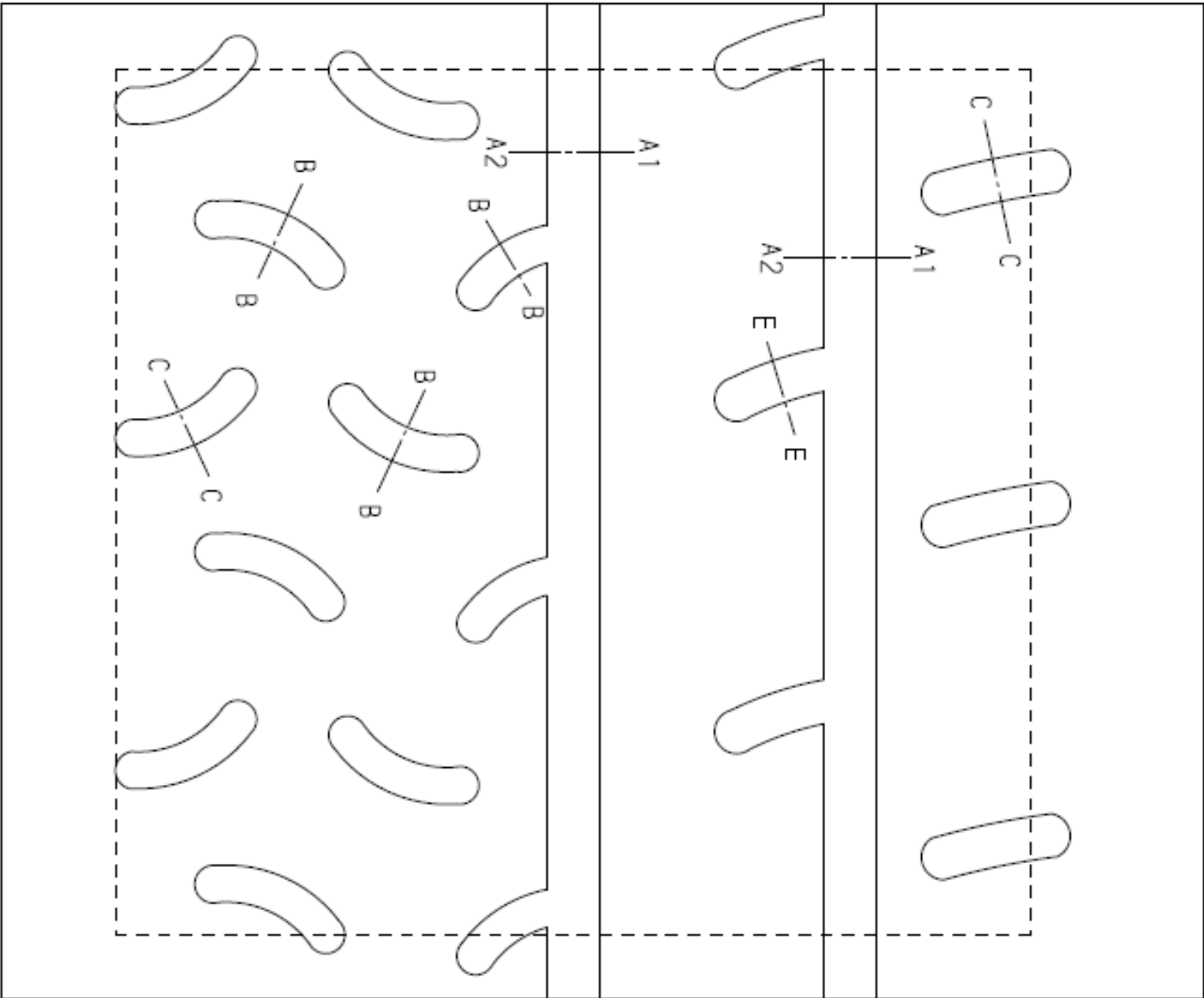
----- Control area 148X140

PRODUCT NAME
YOKOHAMA ADVAN A051T

PATTERN NAME
A051A

SIZE 190/600R16

15" – 190/580-15



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

----- Control area 148X140

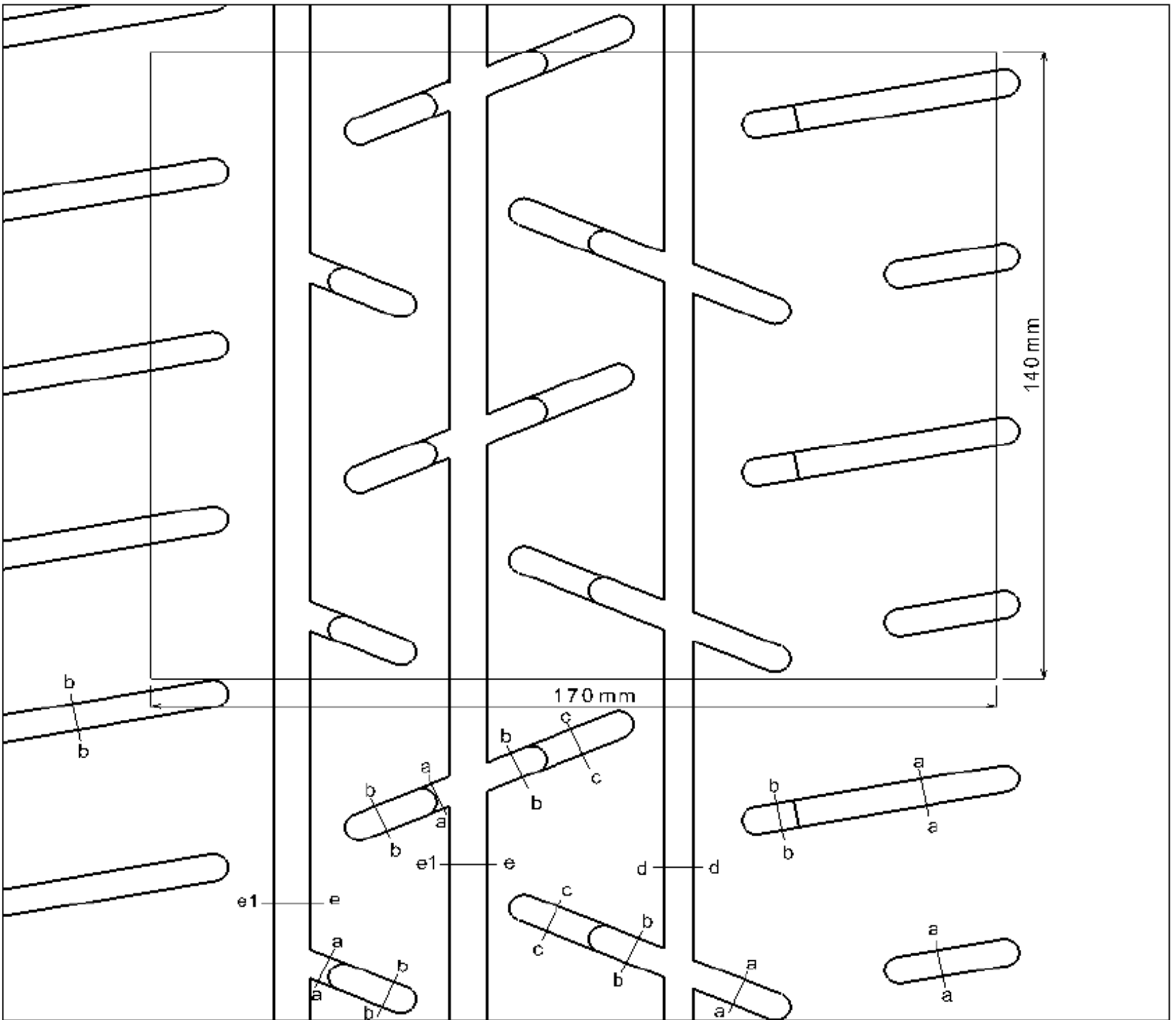
PRODUCT NAME
YOKOHAMA ADVAN A051T

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	

Class 9" (Rim 8")

Empty Depth > 5.5mm : 17.07%

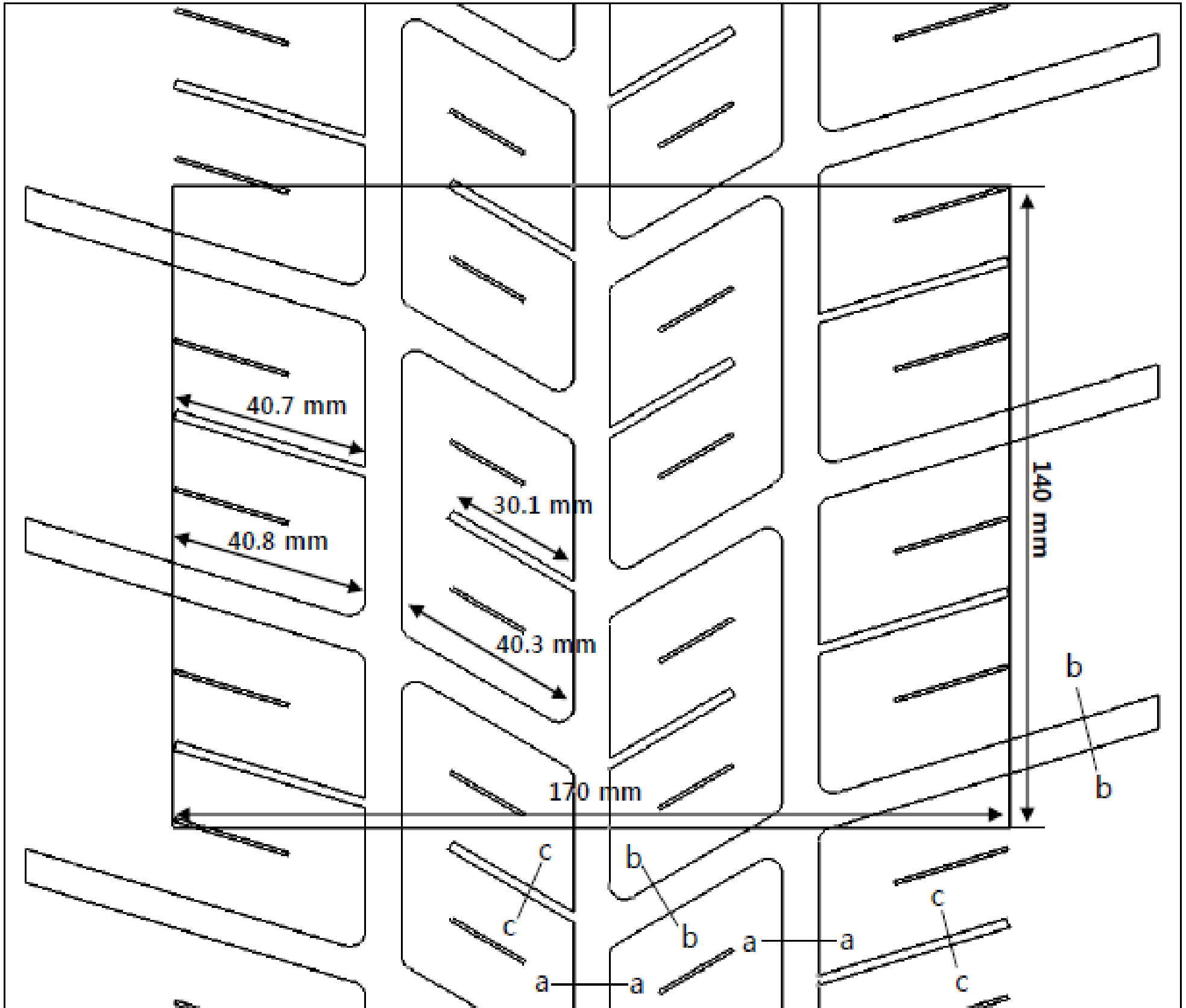
Empty Depth > 1.8mm : 23.30%

GROOVE SURFACE AREA = 554540 mm²

Control Surface = 23800 mm²

18" - 210/650R18

Product : Ventus Z210



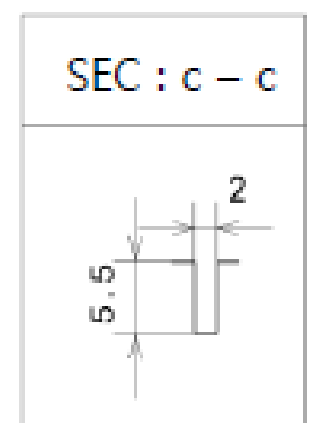
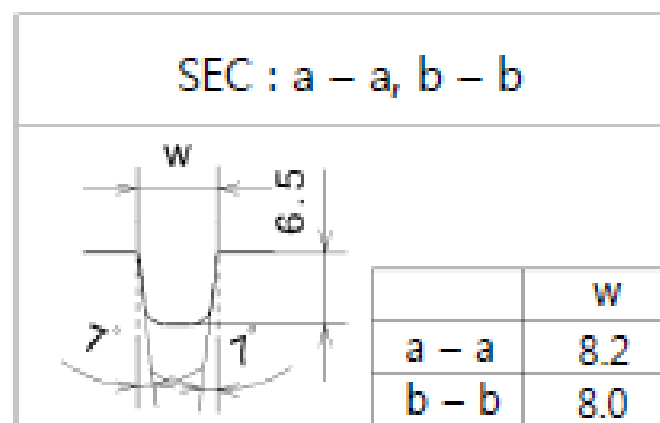
Class 9" (Rim 8")

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

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

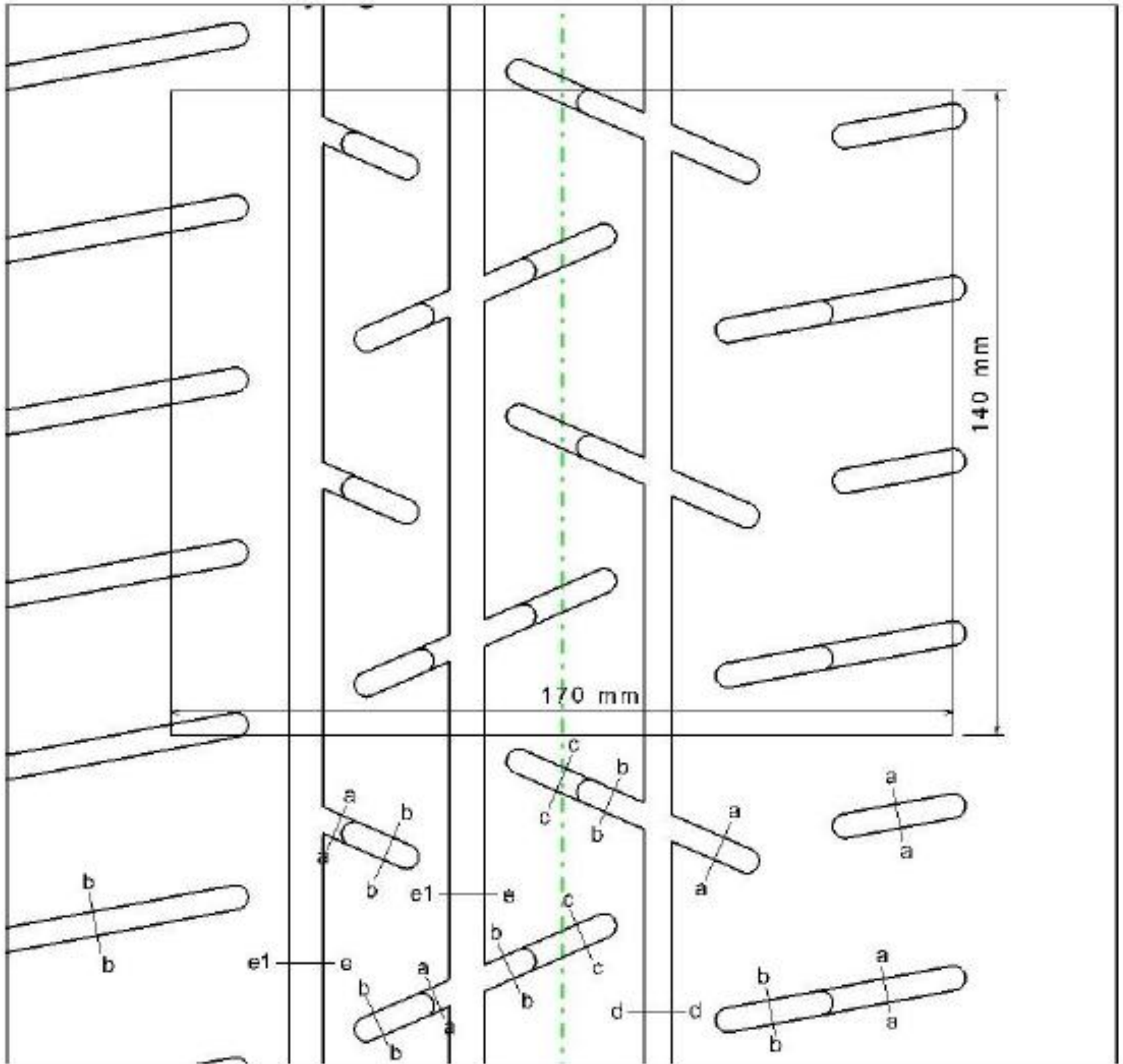
Empty Depth > 5.5mm : 27.5%

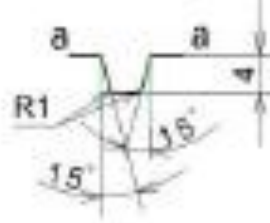
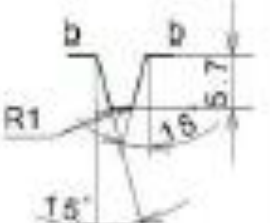
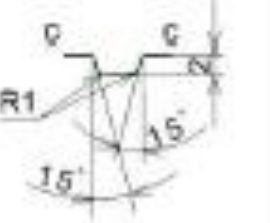
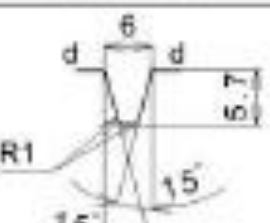
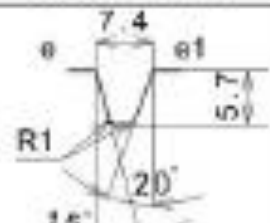
Control Surface = 23800 mm²



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")

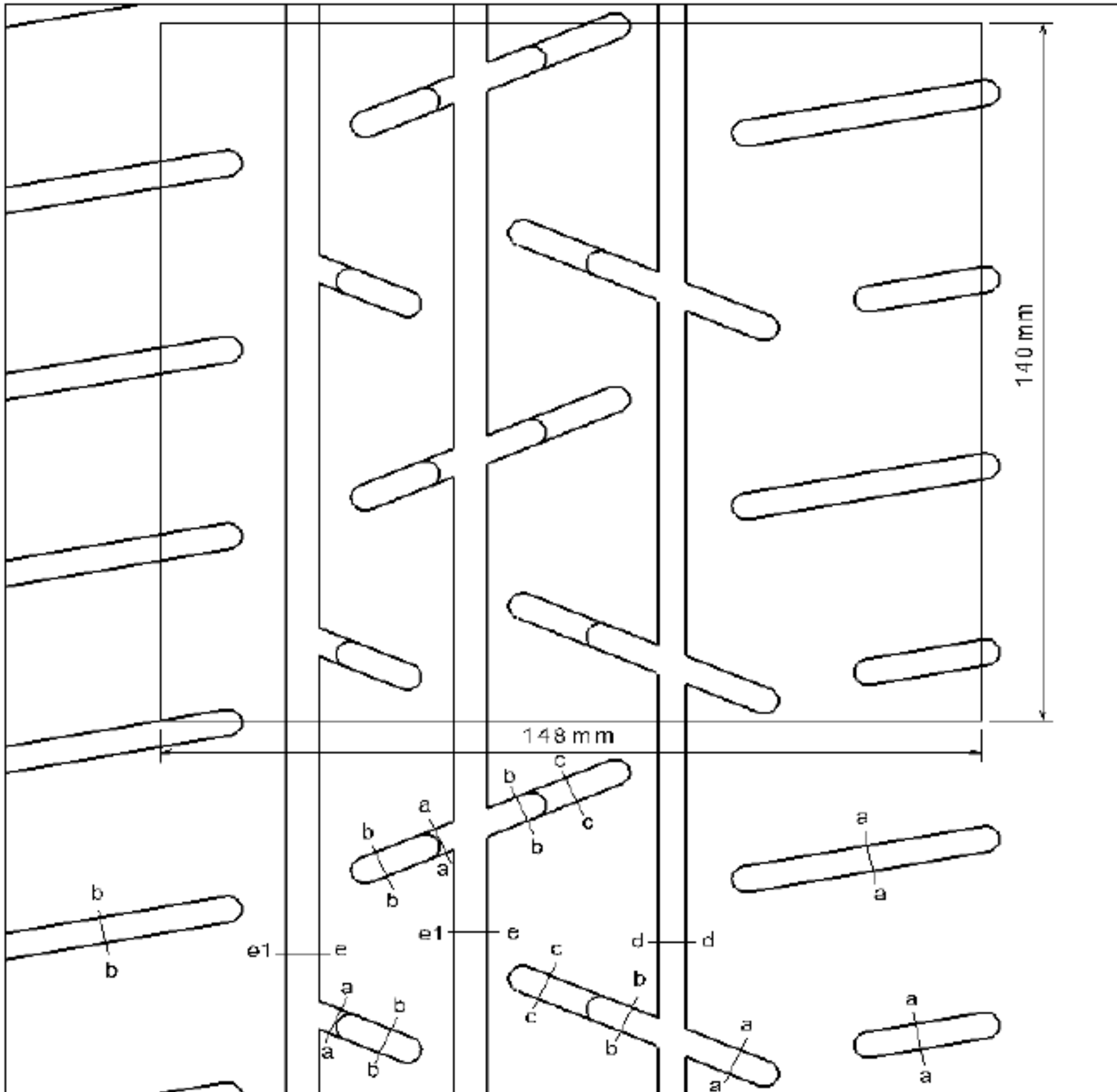
Empty Depth > 5.5mm : 17.05%



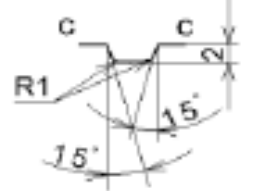
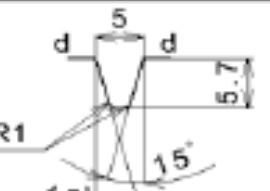
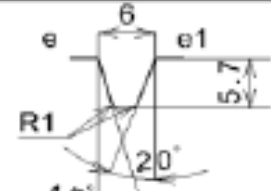
Empty Depth > 1.8mm : 25.08%

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%

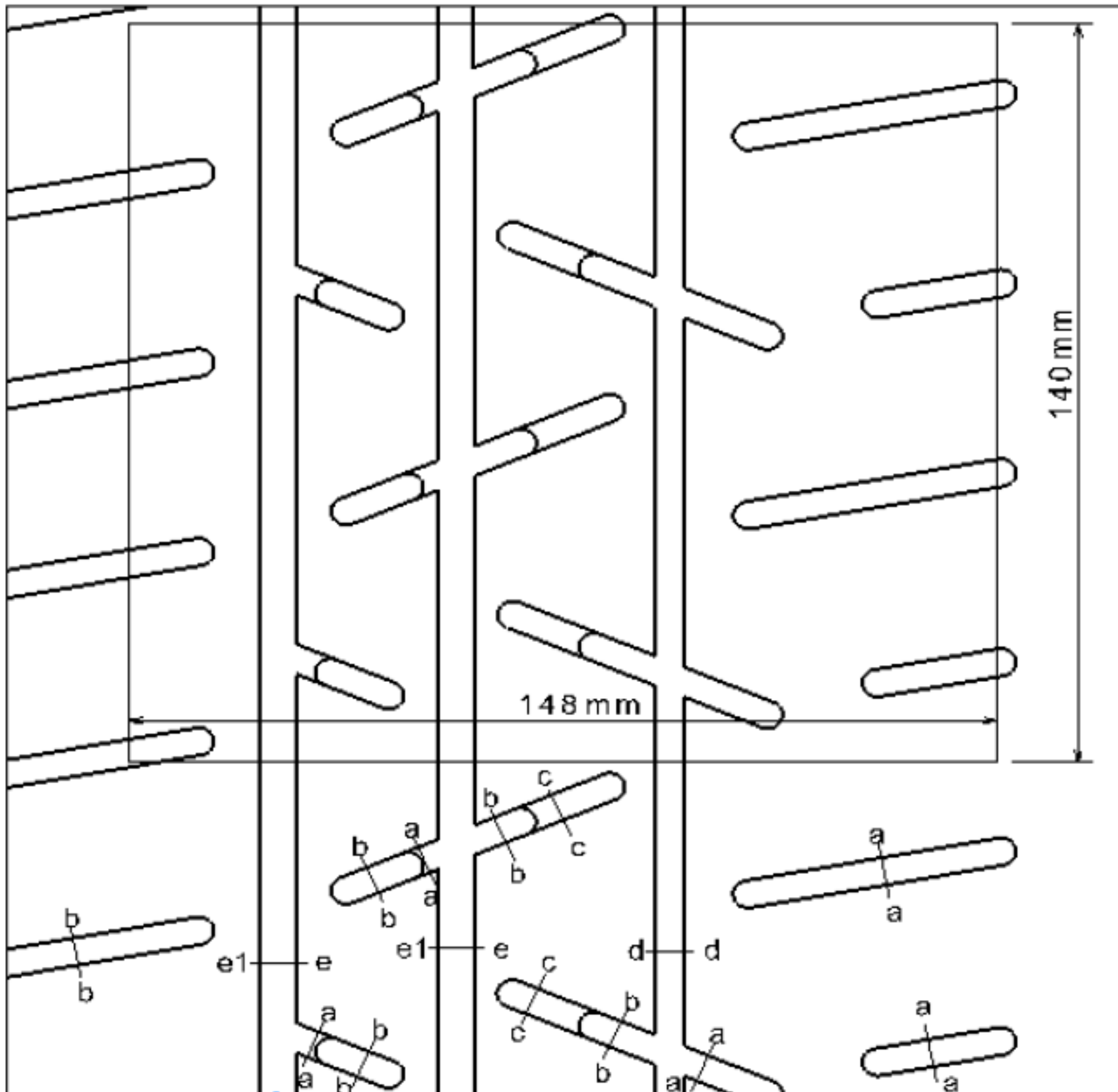
8

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%

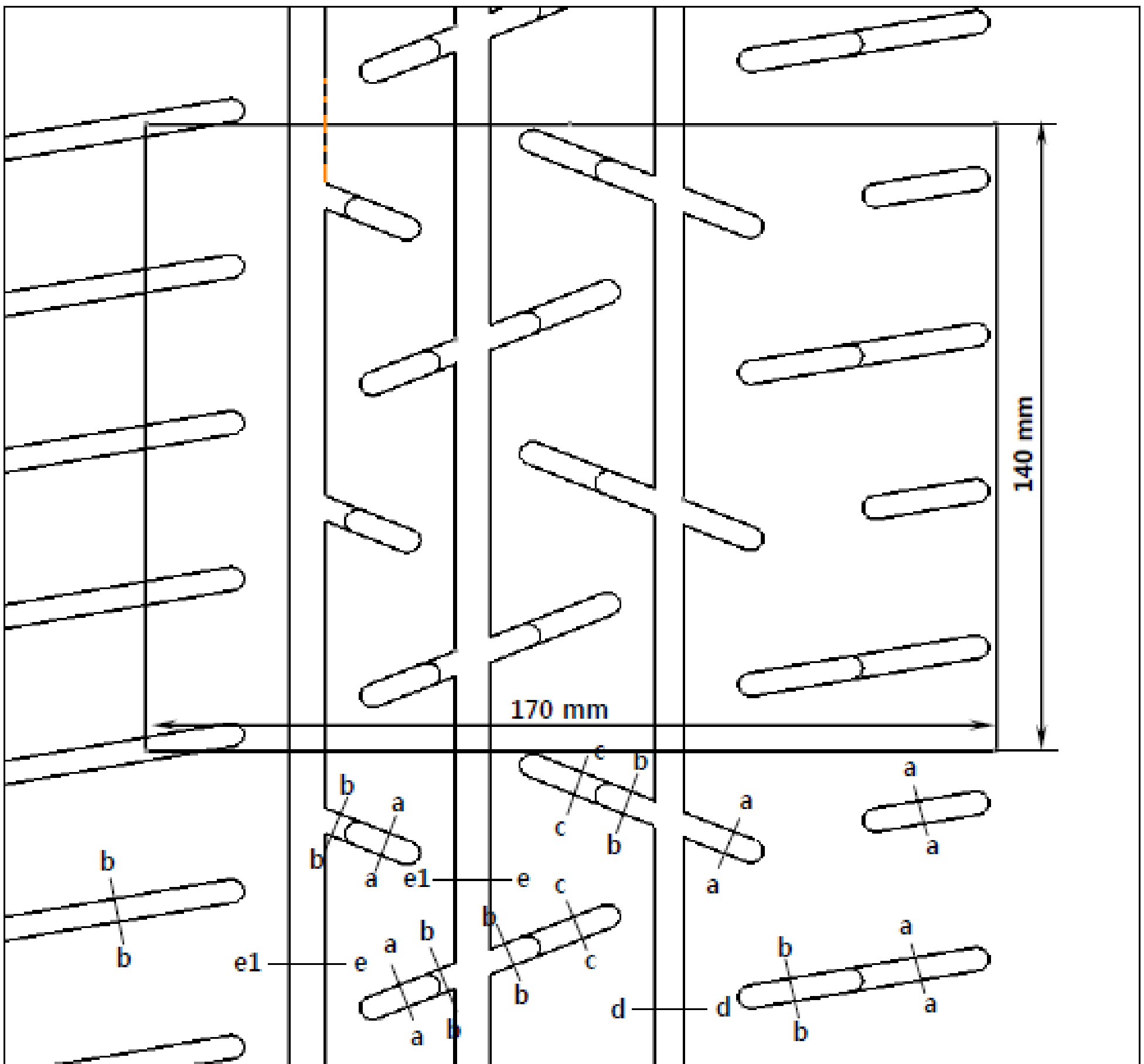
Empty Depth > 1.8mm : 22.95%

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

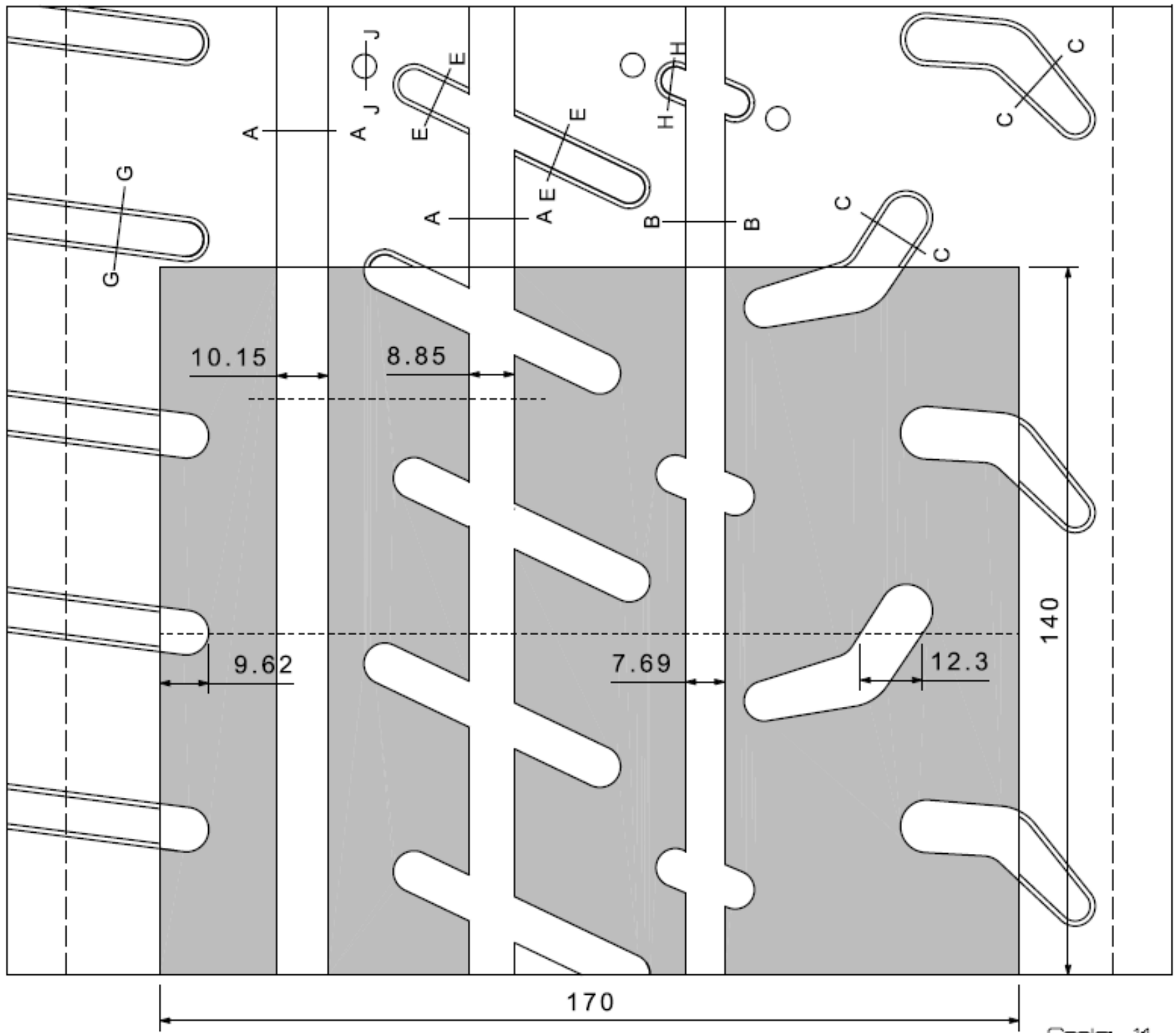
Moulded tyre for FIA homologation

Size : 210/645R18

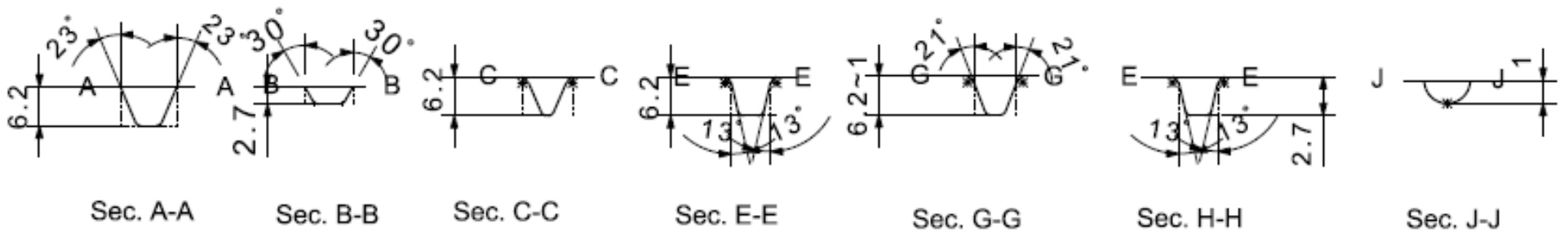
Pattern : TM01

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



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%

Date of publication: 17/12/2019

45/66

2019 List of Asphalt eligible tyres



KUMHO TYRES

18" - 210/645R18

KUMHO TIRE

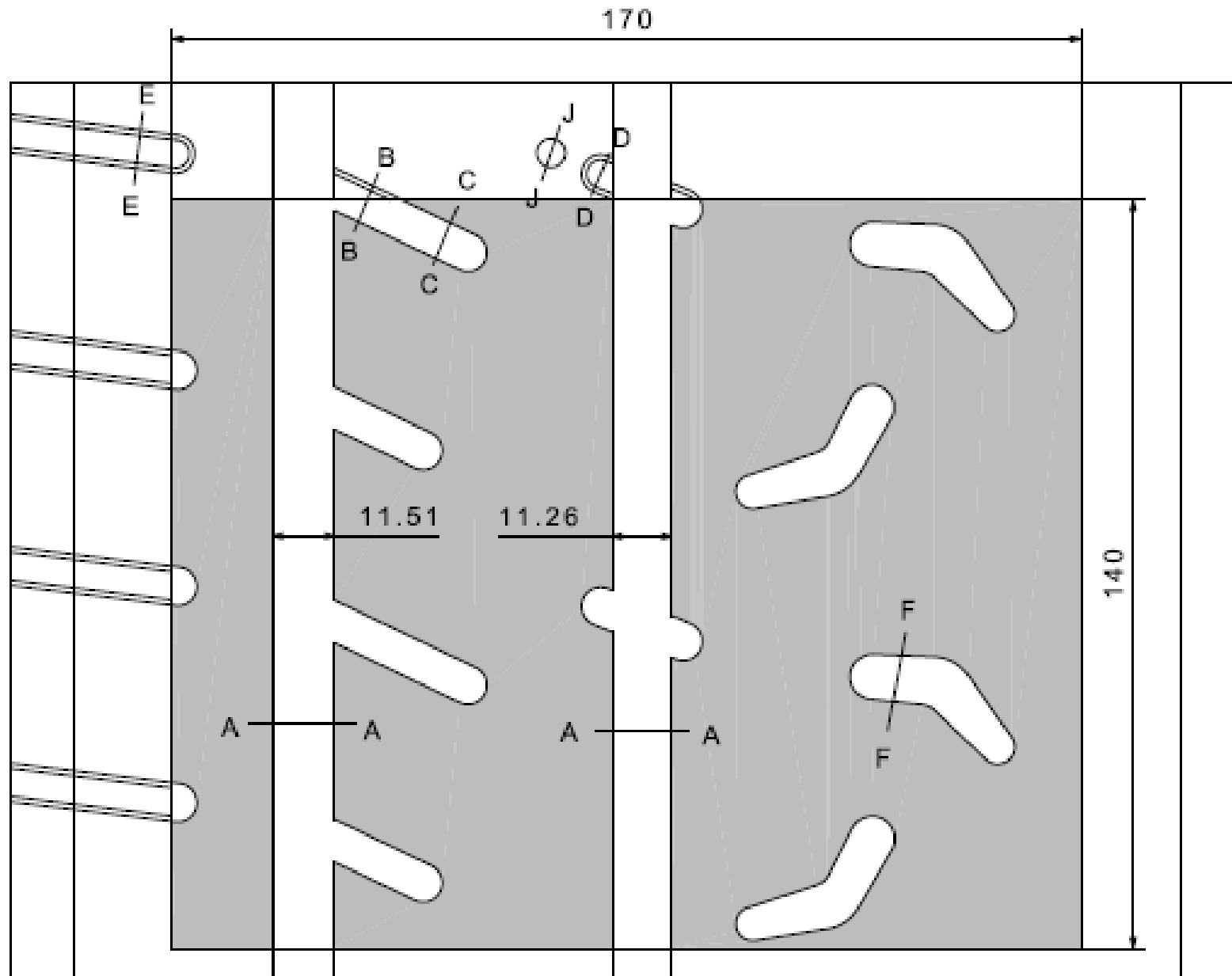
Moulded tyre for FIA homologation

Size : 210/645R18

Pattern : TM02

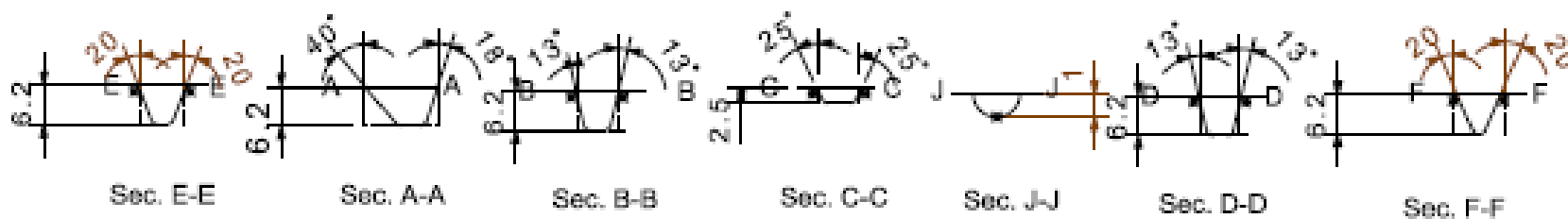
On the basis of a tread pattern width of 170mm and circumference of 140mm

- 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

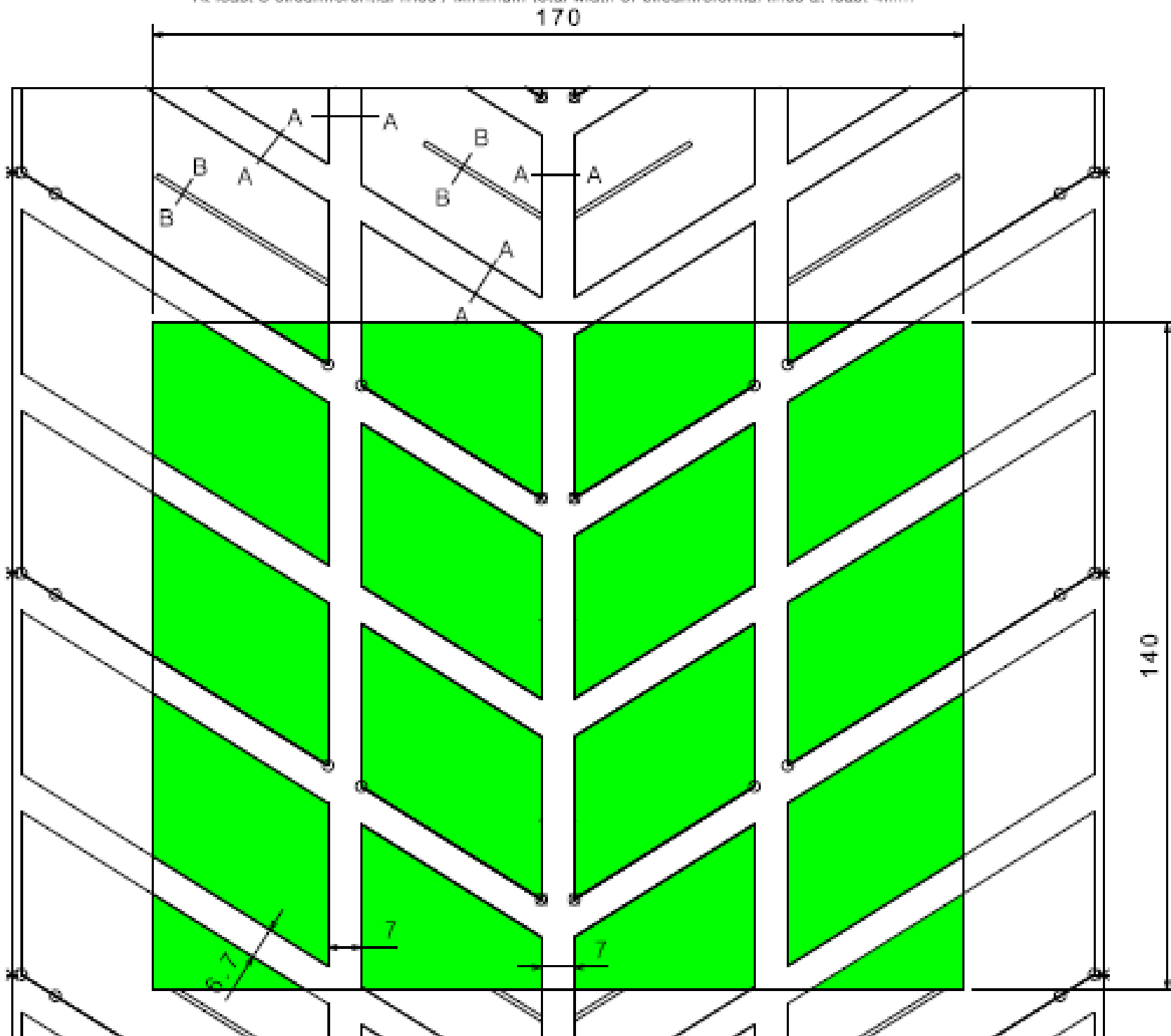
KUMHO TIRE

Moulded tyre for FIA homologation

Size : 210/645R18

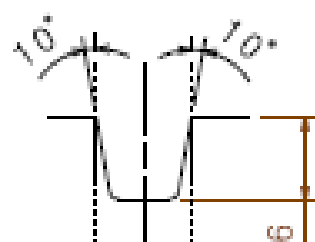
Pattern : TW03

- 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

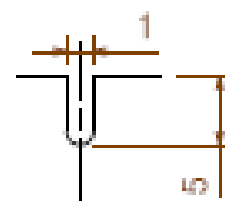


Scale: 1:1

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



SEC.A-A



SEC.B-B



KUMHO TYRES

17" - 190/630R17

KUMHO TIRE

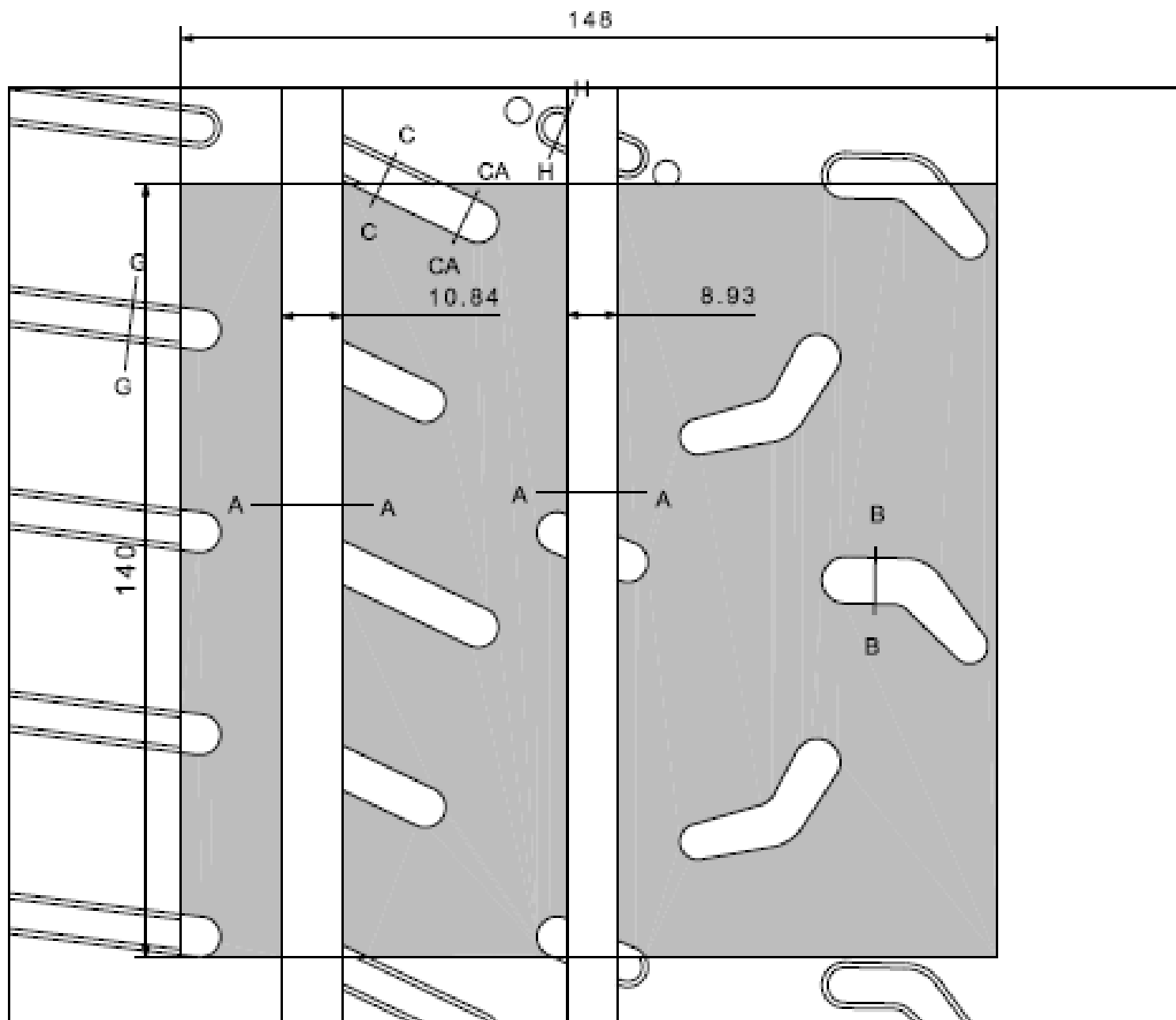
Moulded tyre for FIA homologation

Size : 190/630 R17

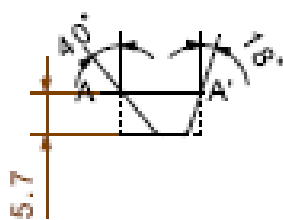
Pattern : TM02

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

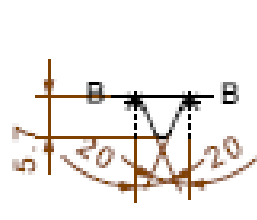
- The surface taken up by grooves at least 5.5 mm deep, with a maximum angle of 60° between the block in section and 2mm wide, must occupy at least 17% of the total surface.
- The surface taken up by grooves at least 1.8 mm deep, with a maximum angle of 60° between the block in section and 2mm wide, 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



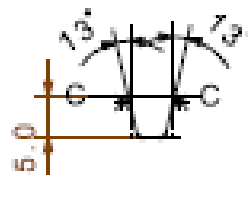
Groove Area by 148 x 140 at least 1.8mm deep : 4579.1mm²
 Void % : 22.1%
 Groove Area by 148 x 140 at least 5.5mm deep : 3688.1mm²
 Void % : 17.8%



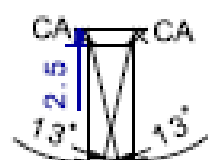
Sec. A-A'



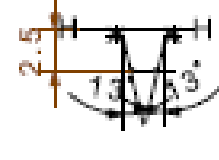
Sec. B-B



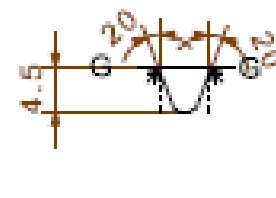
Sec. C-C



Sec. CA-CA



Sec. H-H



Sec. G-G



KUMHO TYRES

16" - 190/600R16

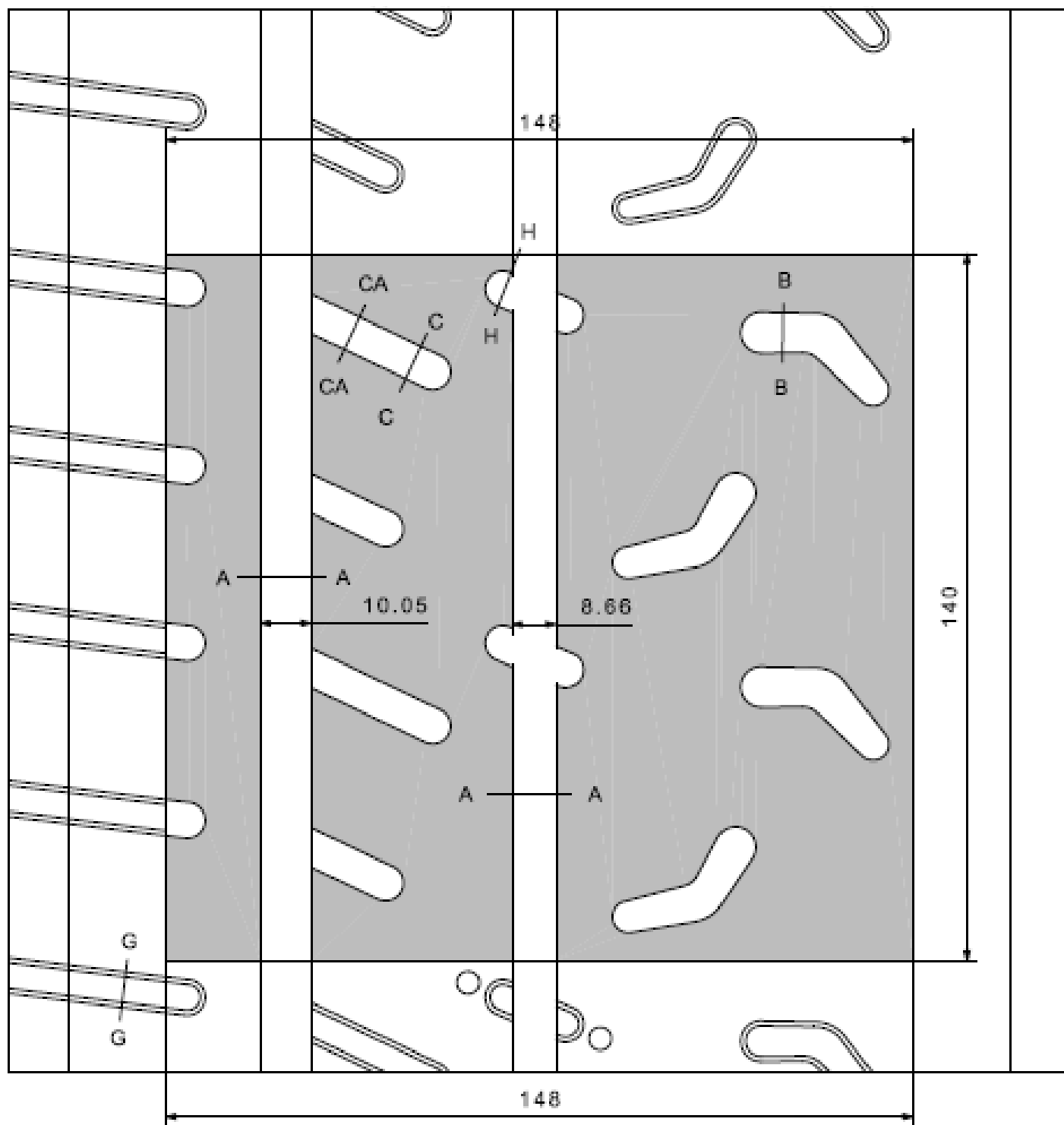
KUMHO TIRE

Moulded tyre for FIA homologation

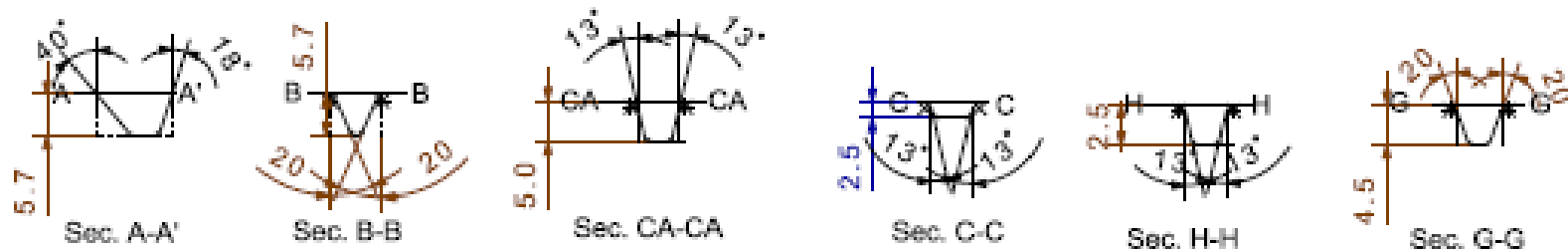
Size : 190/600 R16

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

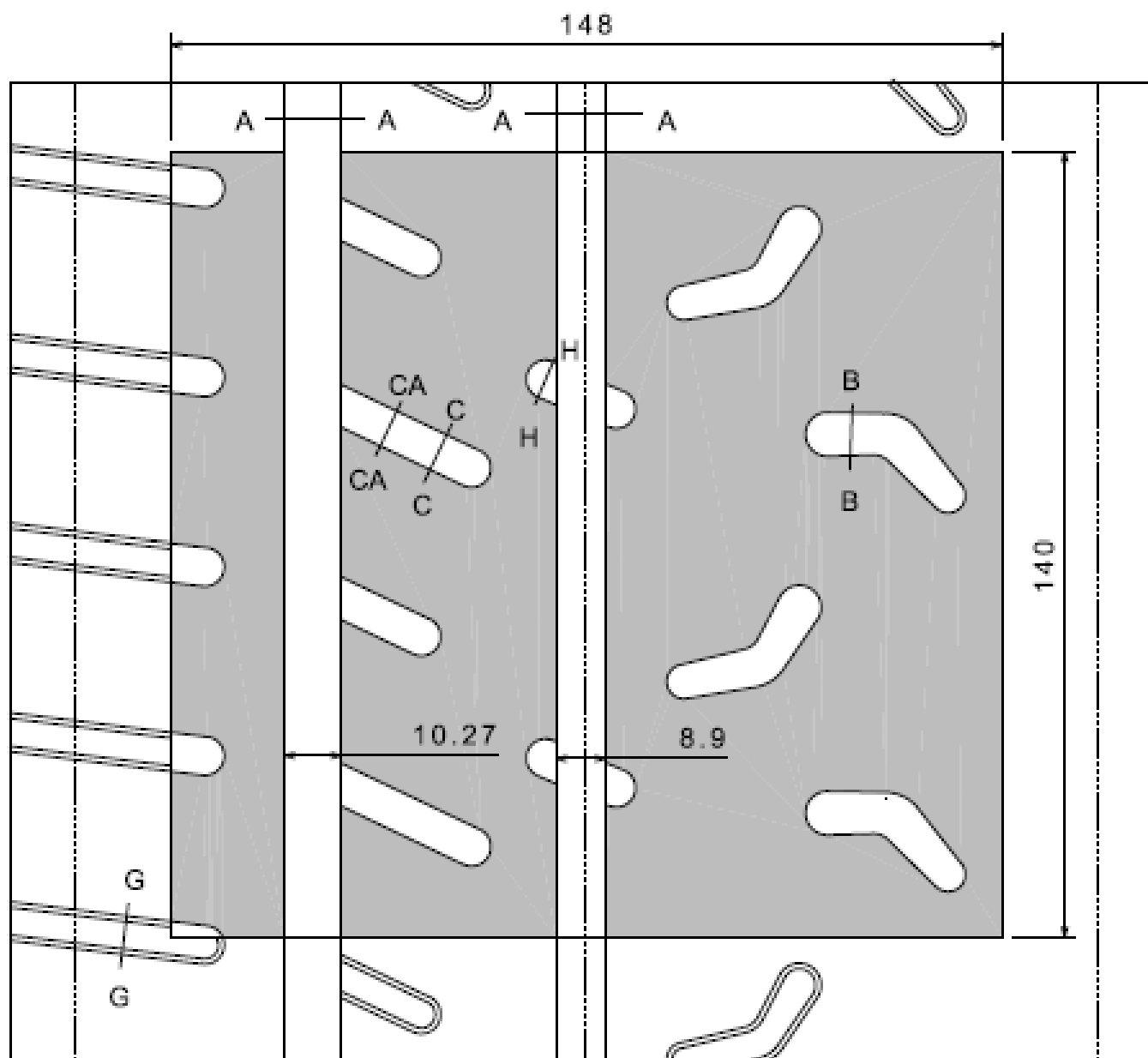
KUMHO TIRE

Moulded tyre for FIA homologation

Size : 180/580 R15

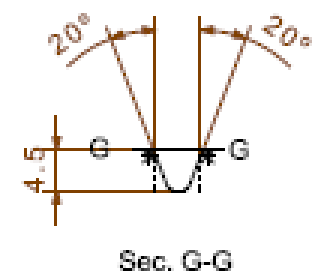
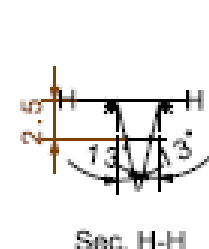
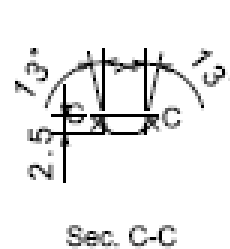
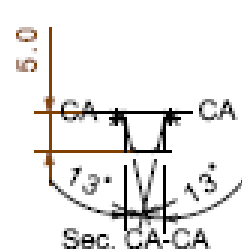
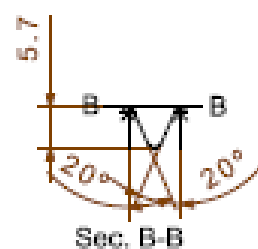
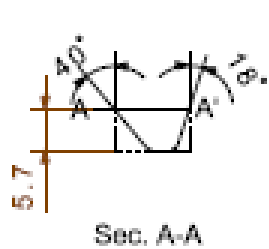
Pattern : TM02

- 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

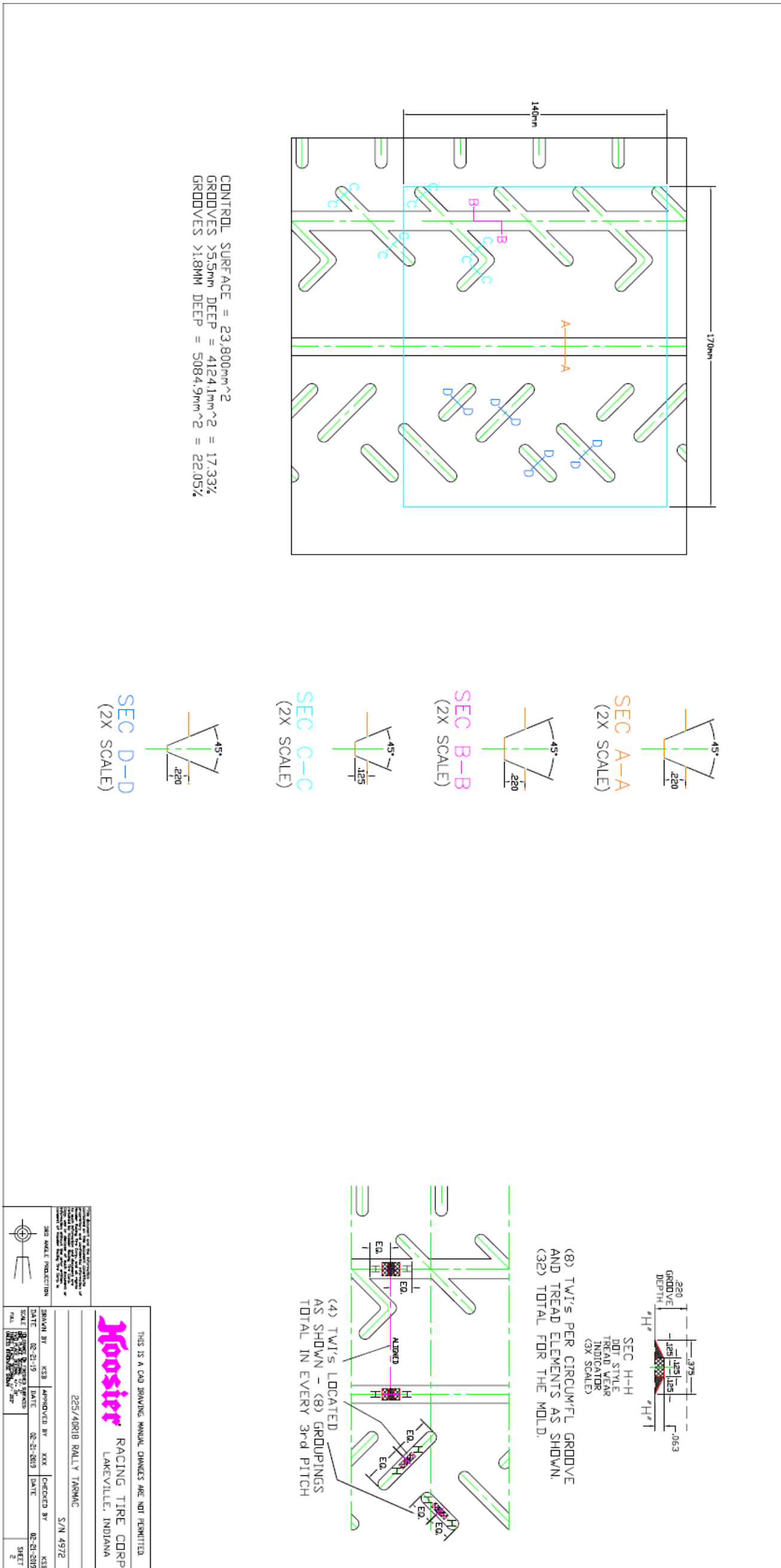


Scale 1:1

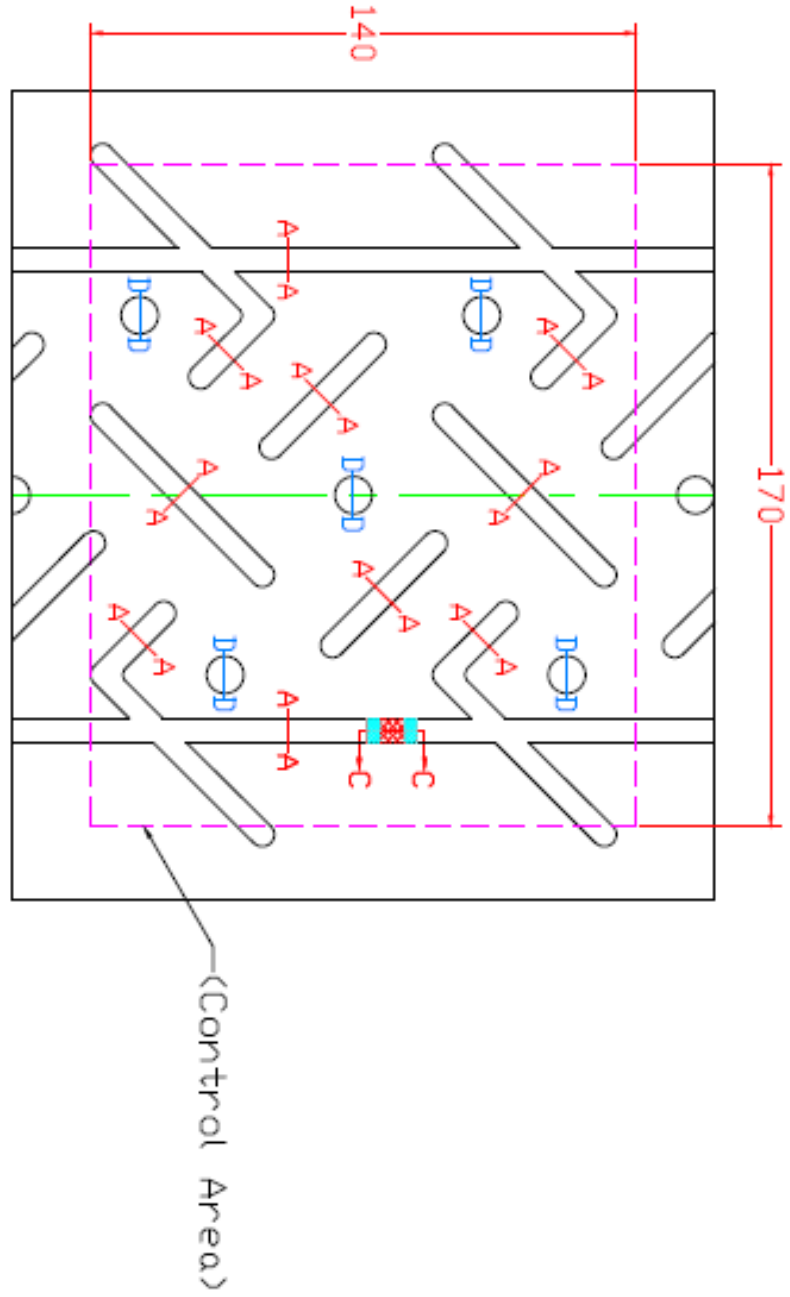
Groove Area by 148 x 140 at least 1.8mm deep : 4599.8mm²
 Void % : 22.2%
 Groove Area by 148 x 140 at least 5.5mm deep : 3563.8mm²
 Void % : 17.2%



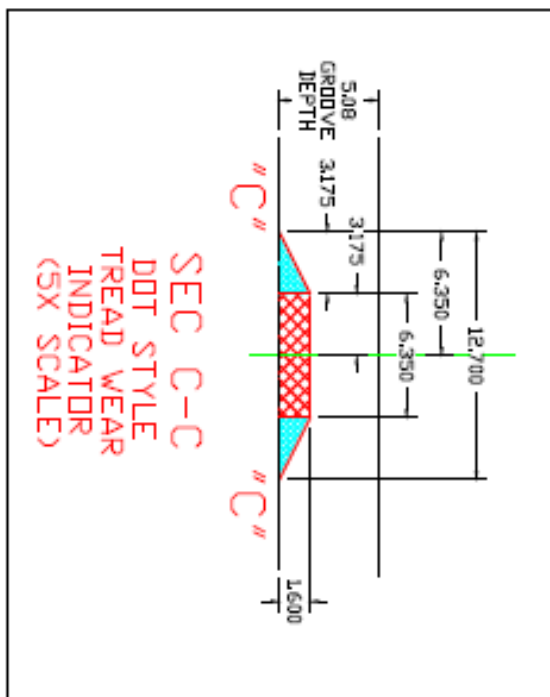
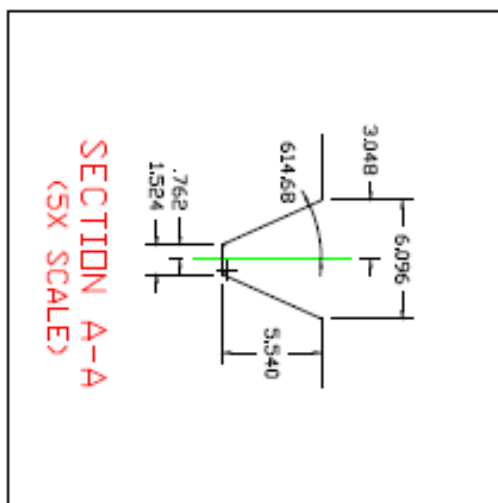
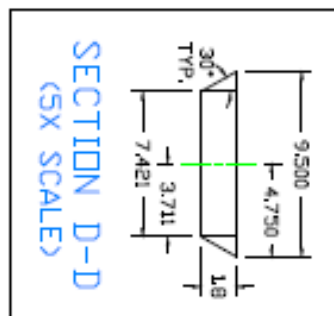
18" - 225/40R18



<UNITS = METRIC>



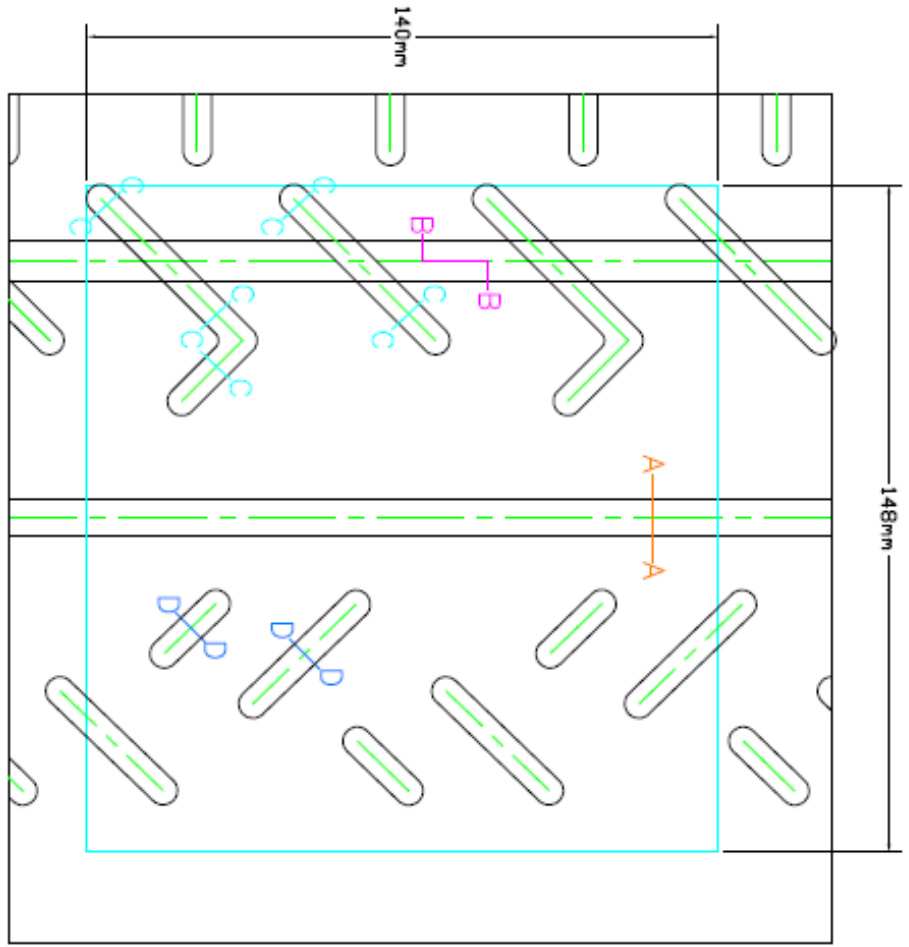
CONTROL SURFACE = $23,800\text{mm}^2$
 GROOVES $\leq 5.5\text{mm} = 4,797.71\text{mm}^2 = 20.16\%$
 GROOVES $\geq 1.8\text{mm} = 5,152.09\text{mm}^2 = 21.65\%$



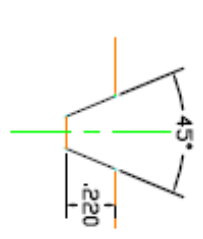
REV 1 -

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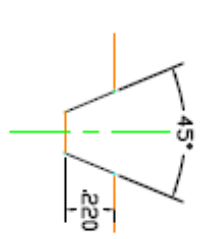
THIS IS A CAD DRAWING. MANUAL CHANGES ARE NOT PERMITTED.			
Hoosier RACING TIRE CORP. LAKEVILLE, INDIANA			
F.I.A. COMPLIANCE FOR '200/650R18'			
ROAD RALLY			
S/N 4770			
DRAWN BY	TDC	APPROVED BY	XXX
DATE	03/06/2015	DATE	XX/XX/XXXX
SCALE	1:1	CHECKED BY	XX/XX/XXXX
FULL	18" X 6.5" X 1.75"		
SHEET	2	OF	2



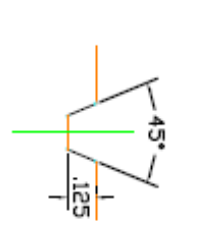
CONTROL SURFACE = $20,720\text{mm}^2$
 GROOVES $>5.5\text{mm}$ DEEP = 3617.7mm^2 = 17.46%
 GROOVES $>1.8\text{mm}$ DEEP = 4638.2mm^2 = 22.39%



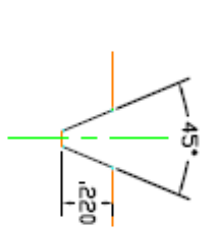
SEC A-A
(2X SCALE)



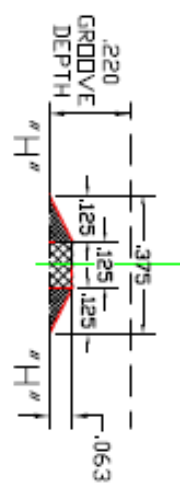
SEC B-B
(2X SCALE)



SEC C-C
(2X SCALE)

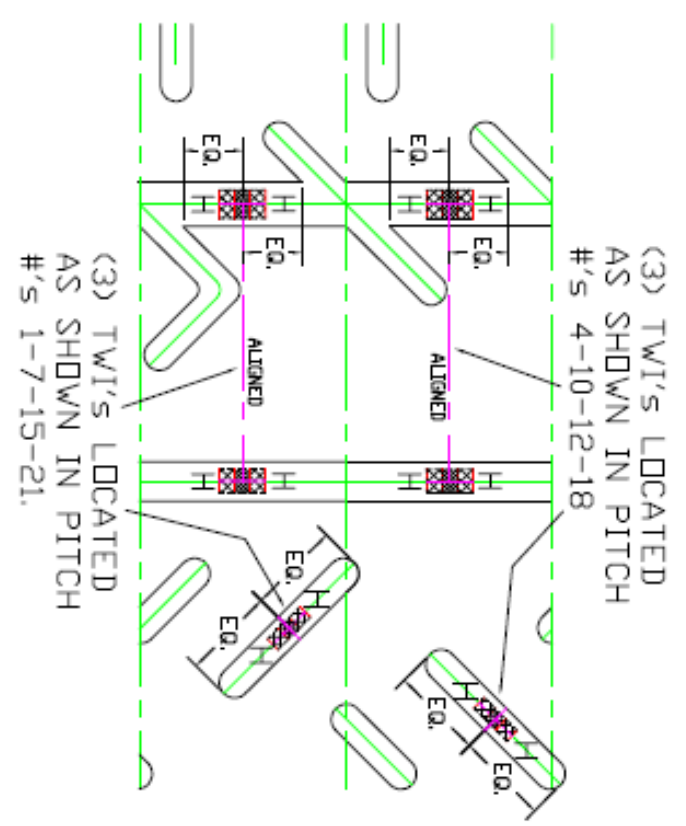


SEC D-D
(2X SCALE)



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.

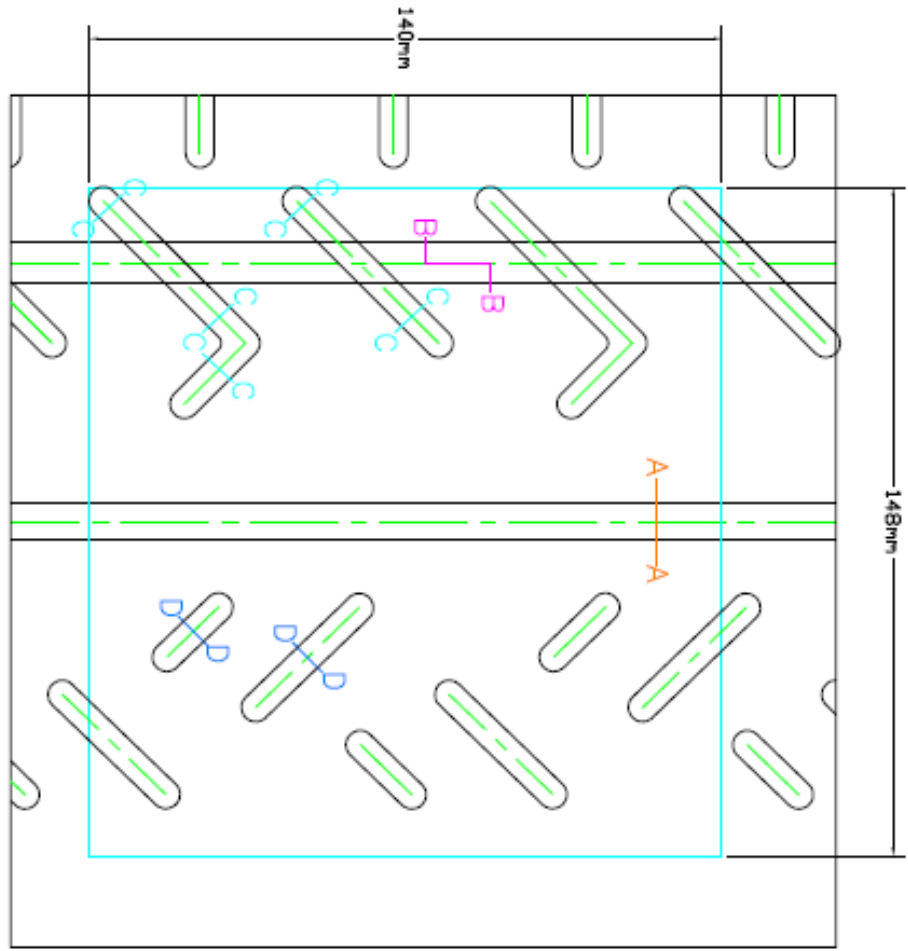
THIS IS A CAD DRAWING. MANUAL CHANGES ARE NOT PERMITTED.

Hoosier RACING TIRE CORP.
LAKEVILLE, INDIANA

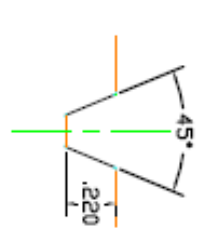
195/50R17 TARMAC RALLY S/N 4927

DRAWN BY	KSB	APPROVED BY	XXX	CHECKED BY	KSB
DATE	04-09-2018	DATE	XX-XX-XXXX	DATE	04-09-2018
SCALE	1:1	SCALE	1:1	SCALE	1:1
FULL	INCH	FULL	MILL	FULL	MILL

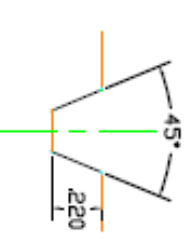
1 SHEET



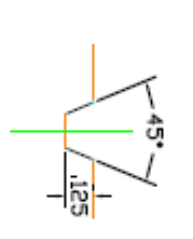
CONTROL SURFACE = 20,720mm²
 GROOVES >5.5mm DEEP = 3617.7mm² = 17.46%
 GROOVES >1.8MM DEEP = 4638.2mm² = 22.39%



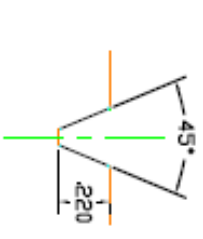
SEC A-A
(2X SCALE)



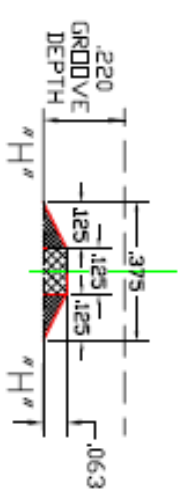
SEC B-B
(2X SCALE)



SEC C-C
(2X SCALE)



SEC D-D
(2X SCALE)

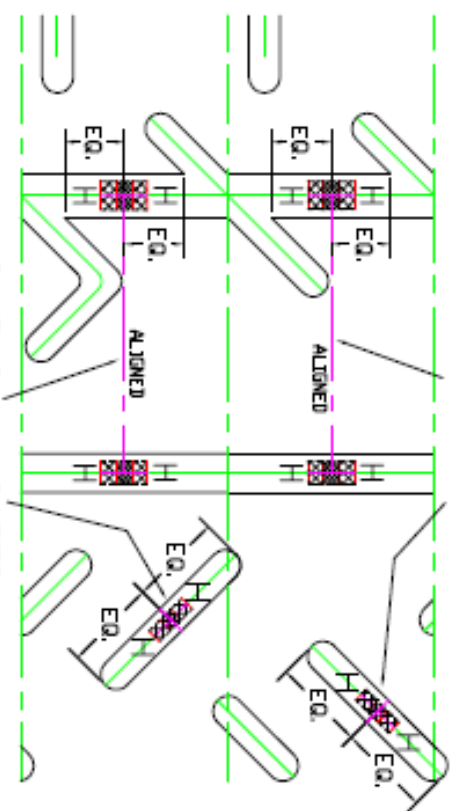


SEC H-H
DOT STYLE
TREAD WEAR
INDICATOR
(3X SCALE)

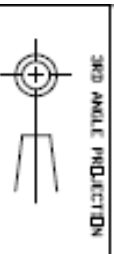
(8) TWI'S PER CIRCUMFL GROOVE
AND TREAD ELEMENTS AS SHOWN.
(24) TOTAL FOR THE MOLD.

(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.



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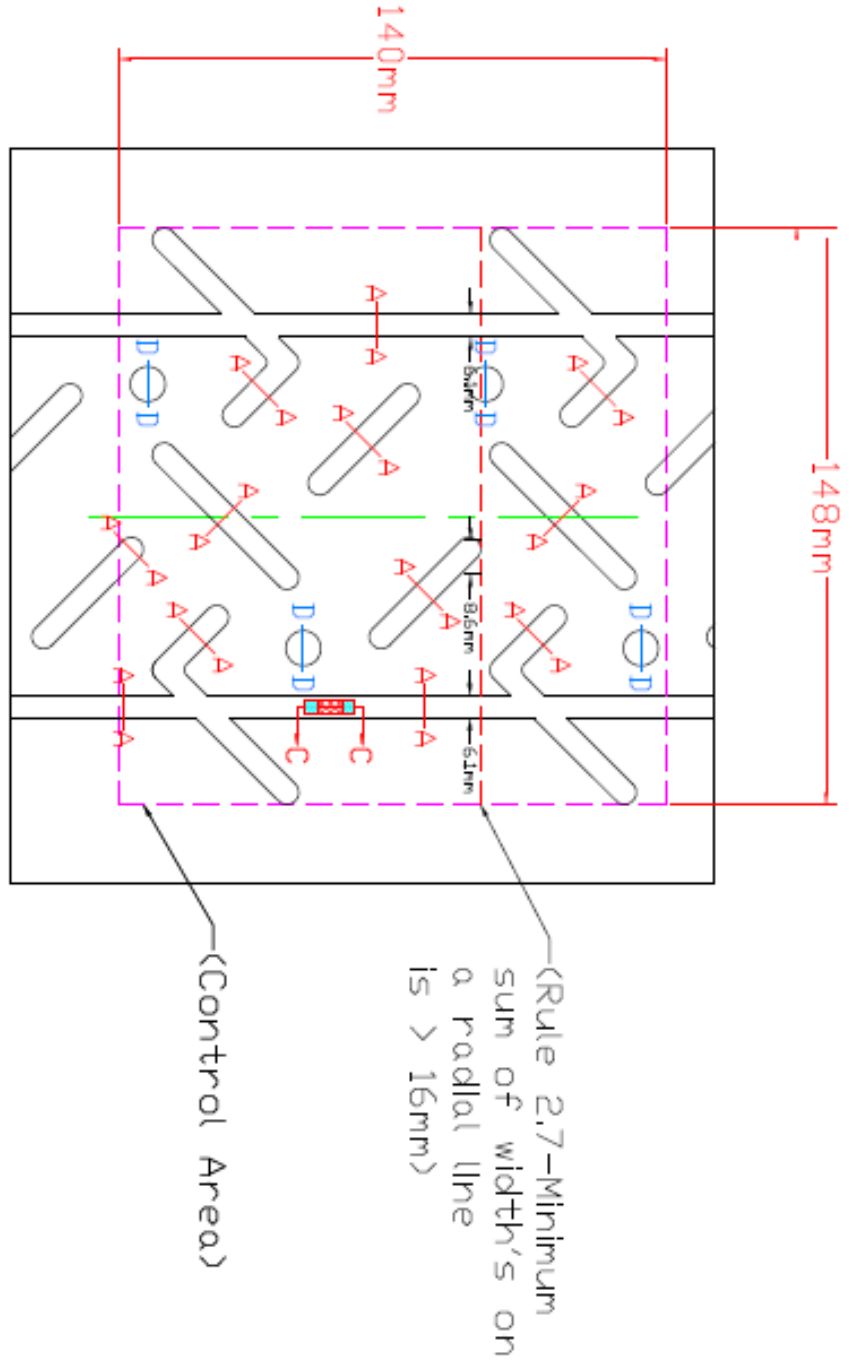
THIS IS A CAD DRAWING. MANUAL CHANGES ARE NOT PERMITTED.

Hoosier RACING TIRE CORP.
LAKEVILLE, INDIANA

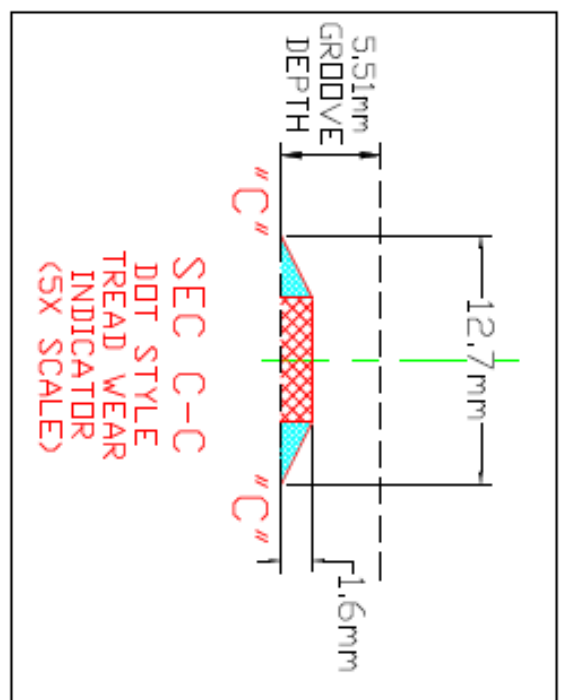
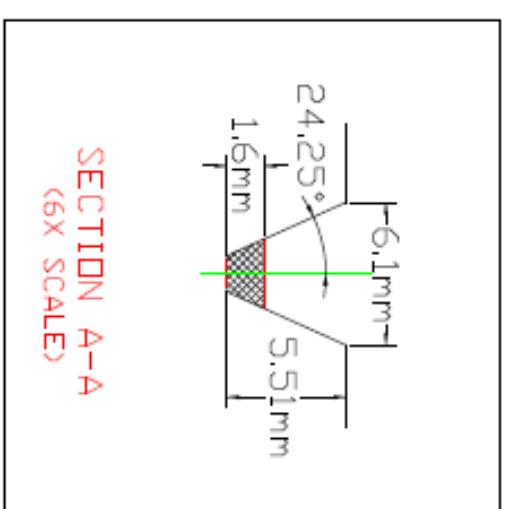
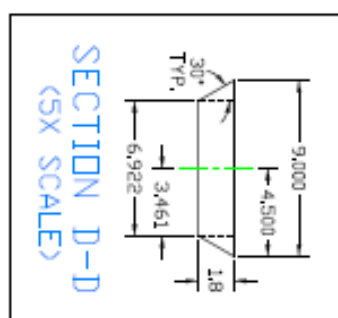
195/50R16 TARMAC RALLY

S/N 4926

DRAWN BY	KSB	APPROVED BY	XXX	CHECKED BY	KSB
DATE	04-09-2018	DATE	XX-XX-XXXX	DATE	04-09-2018
SCALE	1:1	SHEET	1		



CONTROL SURFACE = $20,720\text{mm}^2$
 GROOVES $> 5.5\text{mm}^2 = 4,277.4\text{mm}^2 = 20.64\%$
 GROOVES $\geq 1.8\text{mm}^2 = 4,531.9\text{mm}^2 = 21.87\%$



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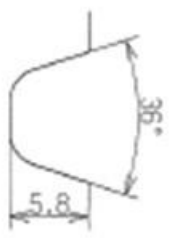
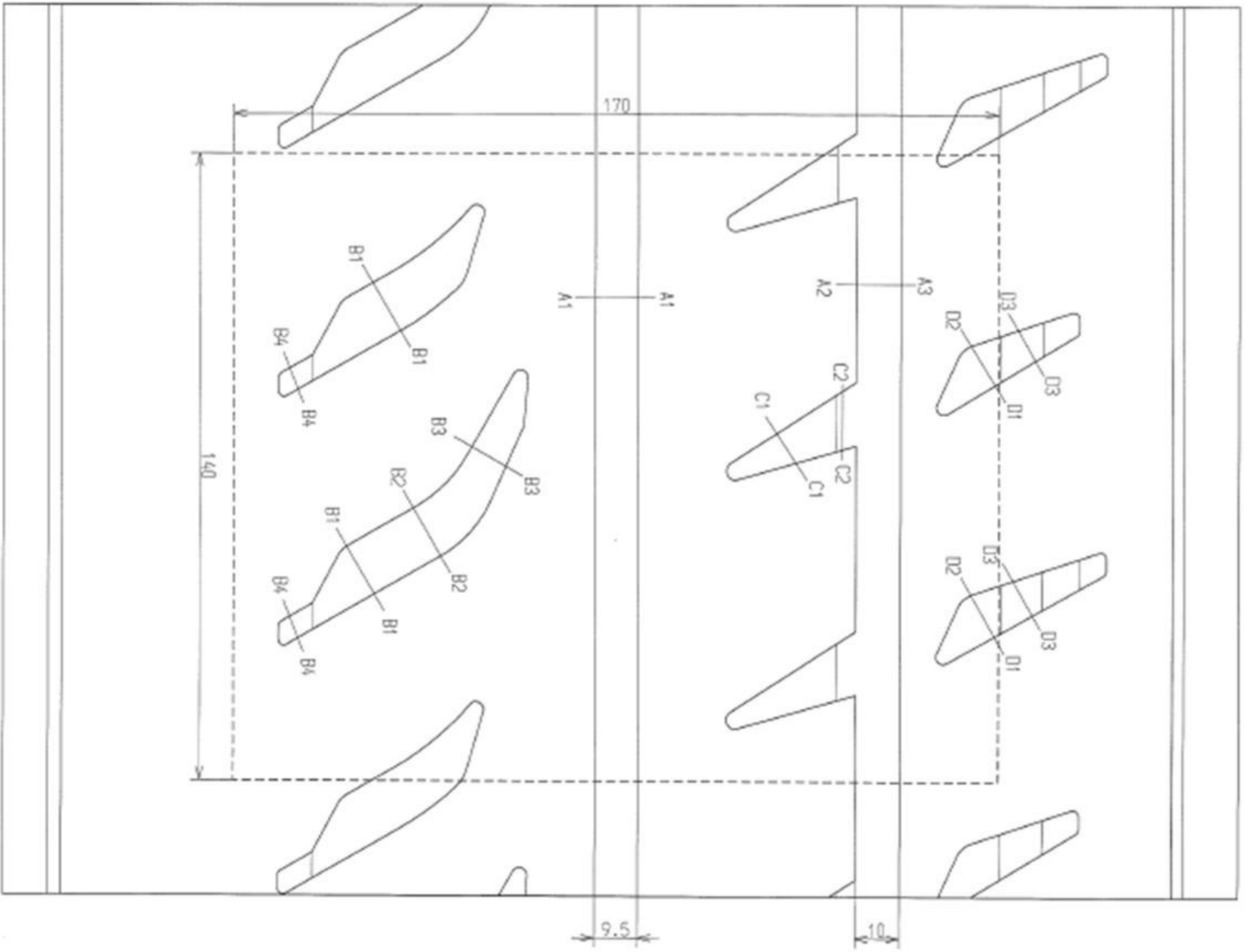
THIS IS A CAD DRAWING. MANUAL CHANGES ARE NOT PERMITTED.

Hoosier RACING TIRE CORP.
 LAKEVILLE, INDIANA

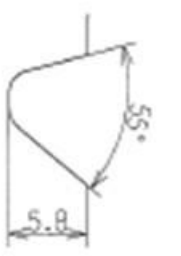
F.I.A. COMPLIANCE FOR "185/580R15"
 ROAD RALLY

DRAWN BY:	TBC	APPROVED BY:	XXX	CHECKED BY:	TBC
DATE:	11/12/2015	DATE:	XX/XX/XXXX	DATE:	11/12/2015
SCALE:	AS SHOWN	SCALE:	AS SHOWN	SCALE:	AS SHOWN
SHEET:	1	SHEET:	1	SHEET:	1

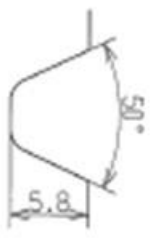
18" - 205/640R18



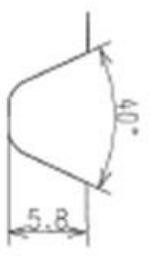
SEC.A1-A1



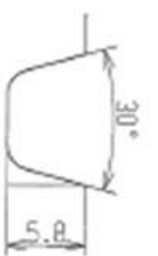
SEC.A2-A3



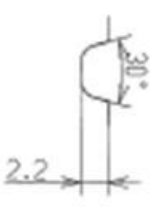
SEC.B1-B1



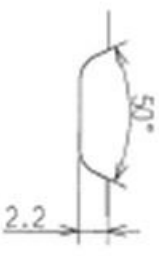
SEC.B2-B2



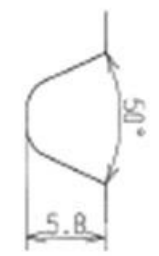
SEC.B3-B3



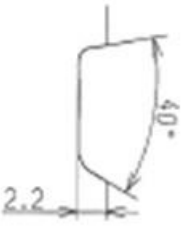
SEC.B4-B4



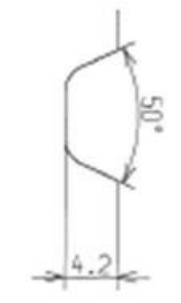
SEC.C1-C1



SEC.C2-C2



SEC.D1-D2



SEC.D3-D3

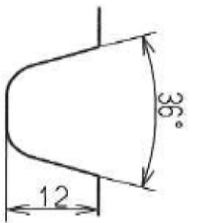
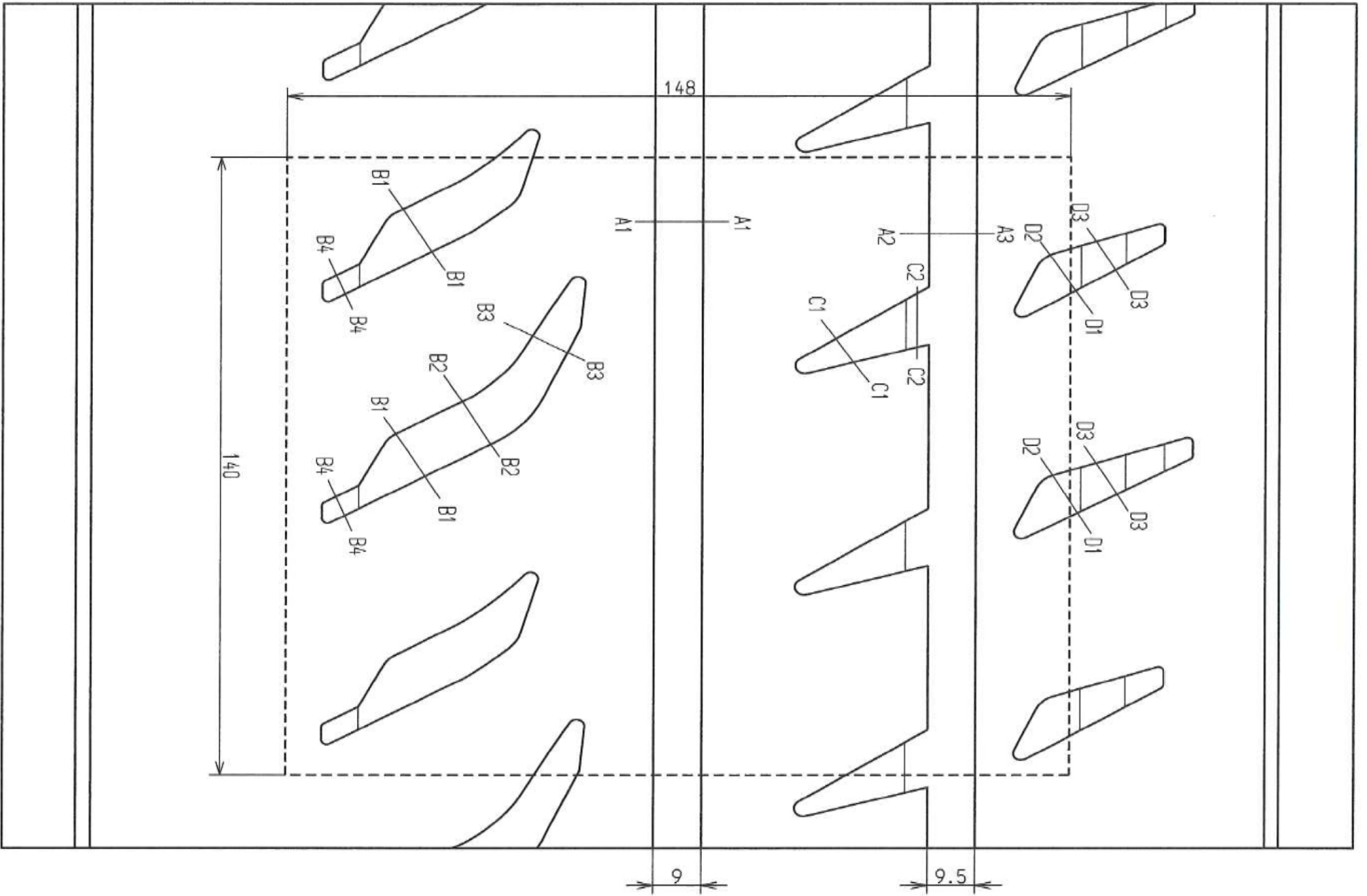
In the control area
5.5mm grooves-18.2%
Total grooves 22.3%

-----Control area(170x140)

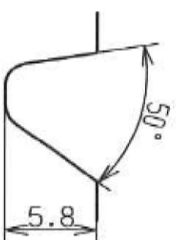
PRODUCT NAME
TOYO PROXES 888RT

SIZE 205/640R18

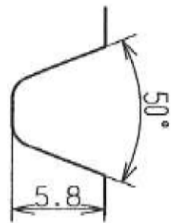
16" - 185/600R16



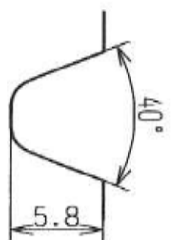
SEC.A1-A1



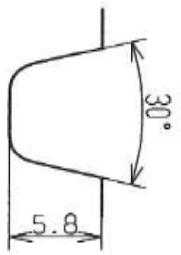
SEC.A2-A3



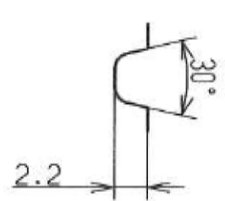
SEC.B1-B1



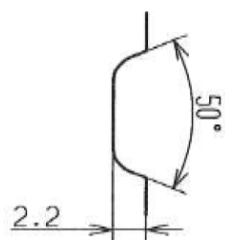
SEC.B2-B2



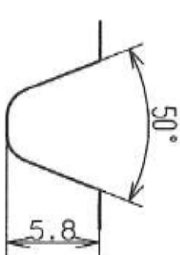
SEC.B3-B3



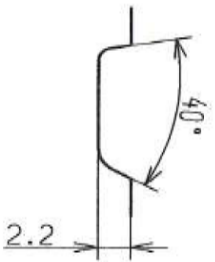
SEC.B4-B4



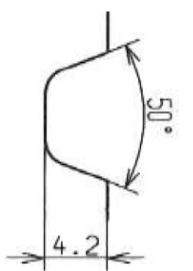
SEC.C1-C1



SEC.C2-C2



SEC.D1-D2



SEC.D3-D3

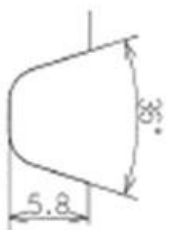
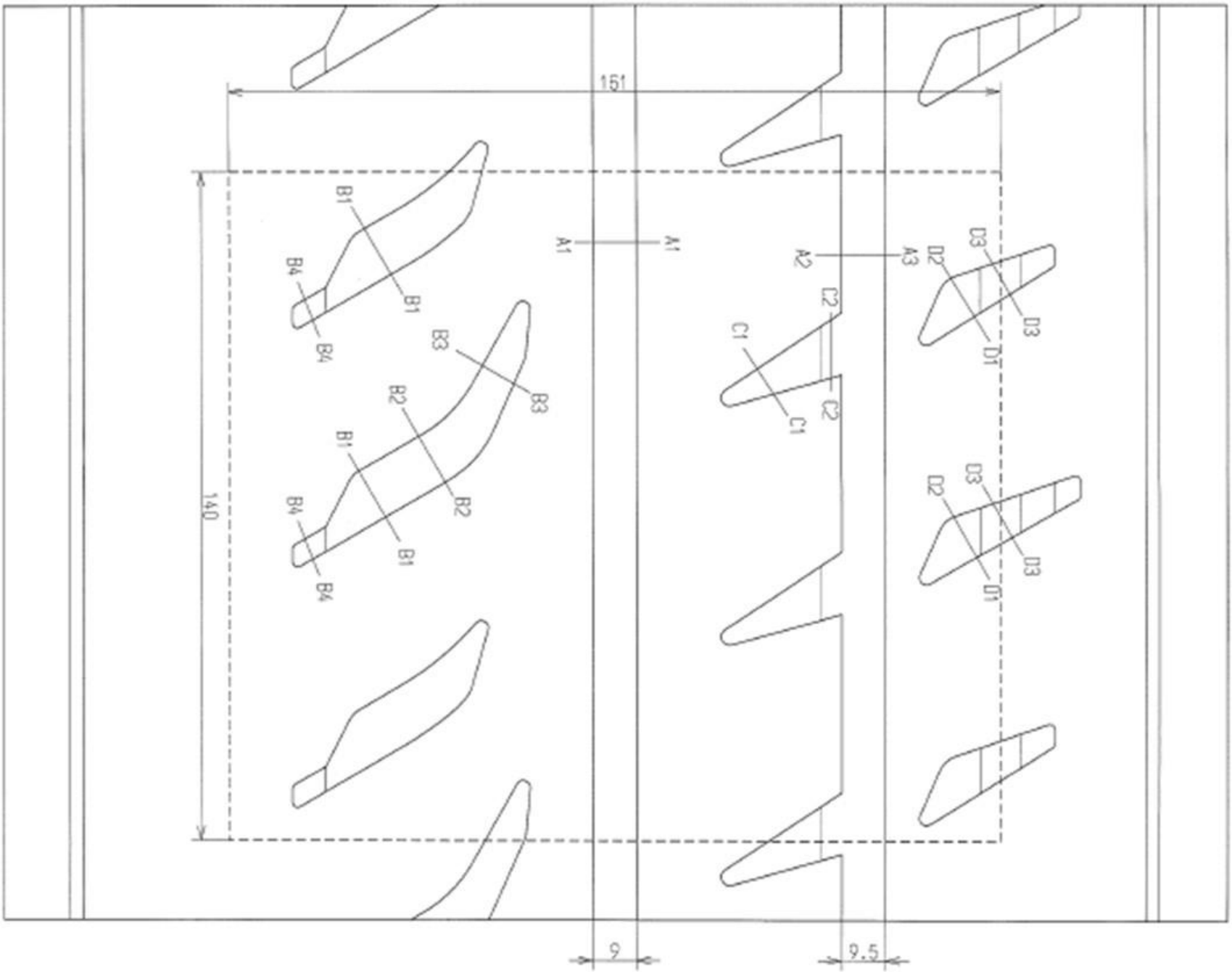
In the control area
5.5mm grooves-19.2%
Total grooves 23.1%

-----Control area(148x140)

PRODUCT NAME
TOYO PROXES 888RT

SIZE 185/600R16

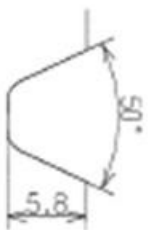
15" - 185/580R15



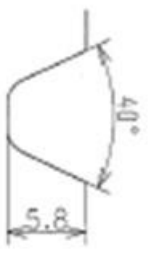
SEC.A1-A1



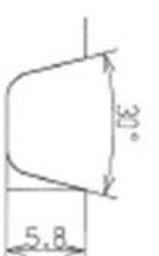
SEC.A2-A3



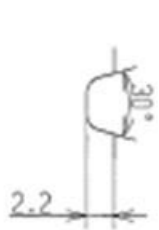
SEC.B1-B1



SEC.B2-B2



SEC.B3-B3



SEC.B4-B4



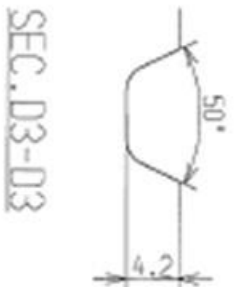
SEC.C1-C1



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

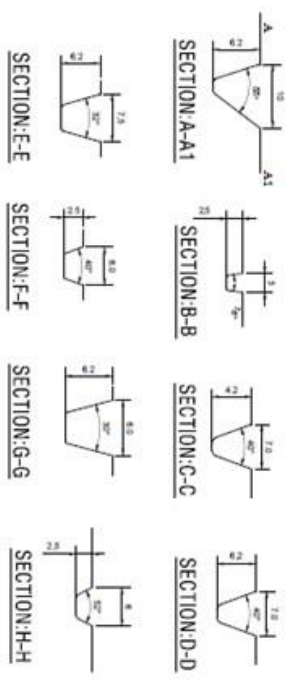
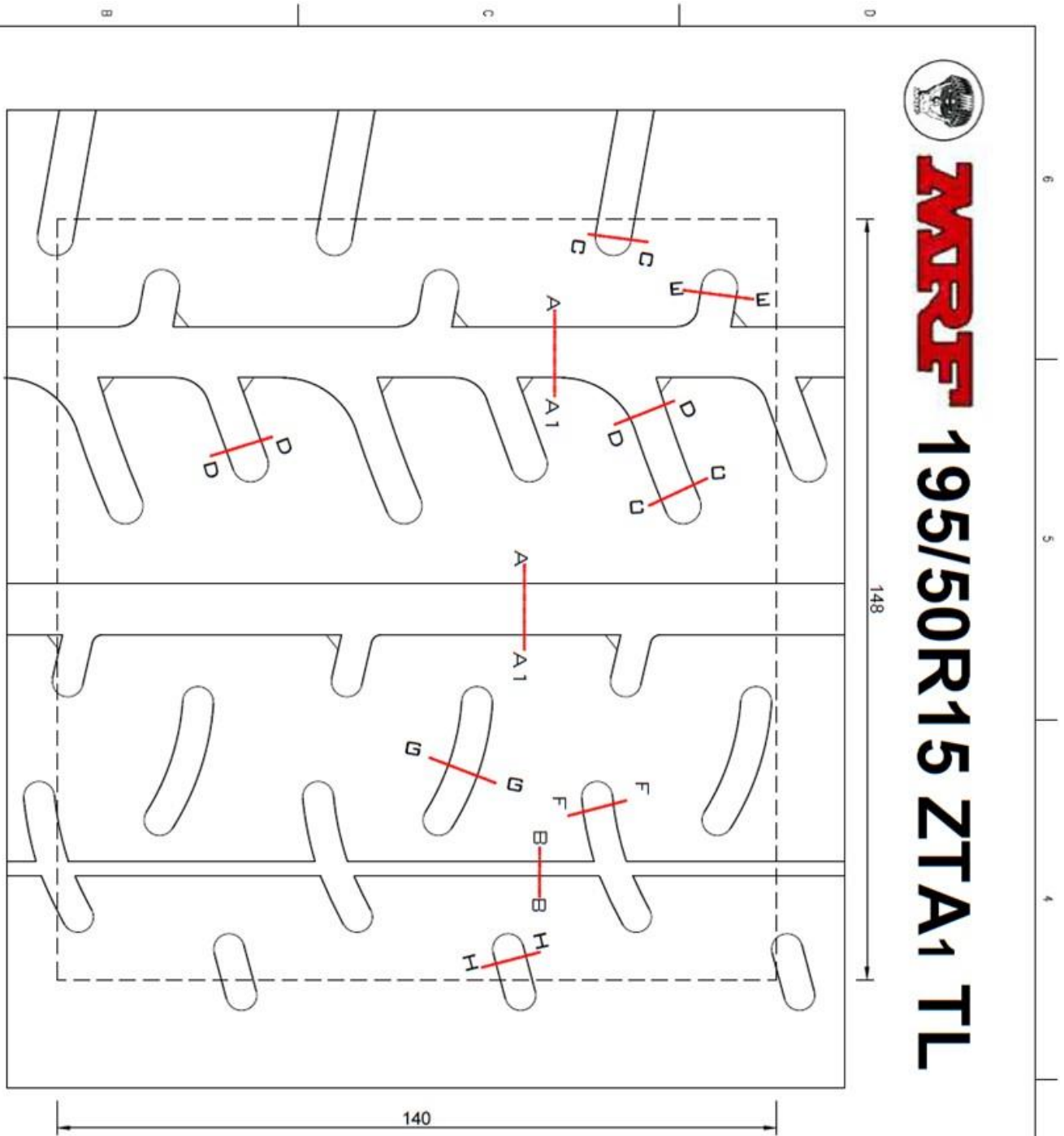
SIZE 185/580R15



15" - 195/50R15



MRF 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"**

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

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S.No.	DATE	DESCRIPTIONS	DRAWN	EVPRD / PDM

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

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

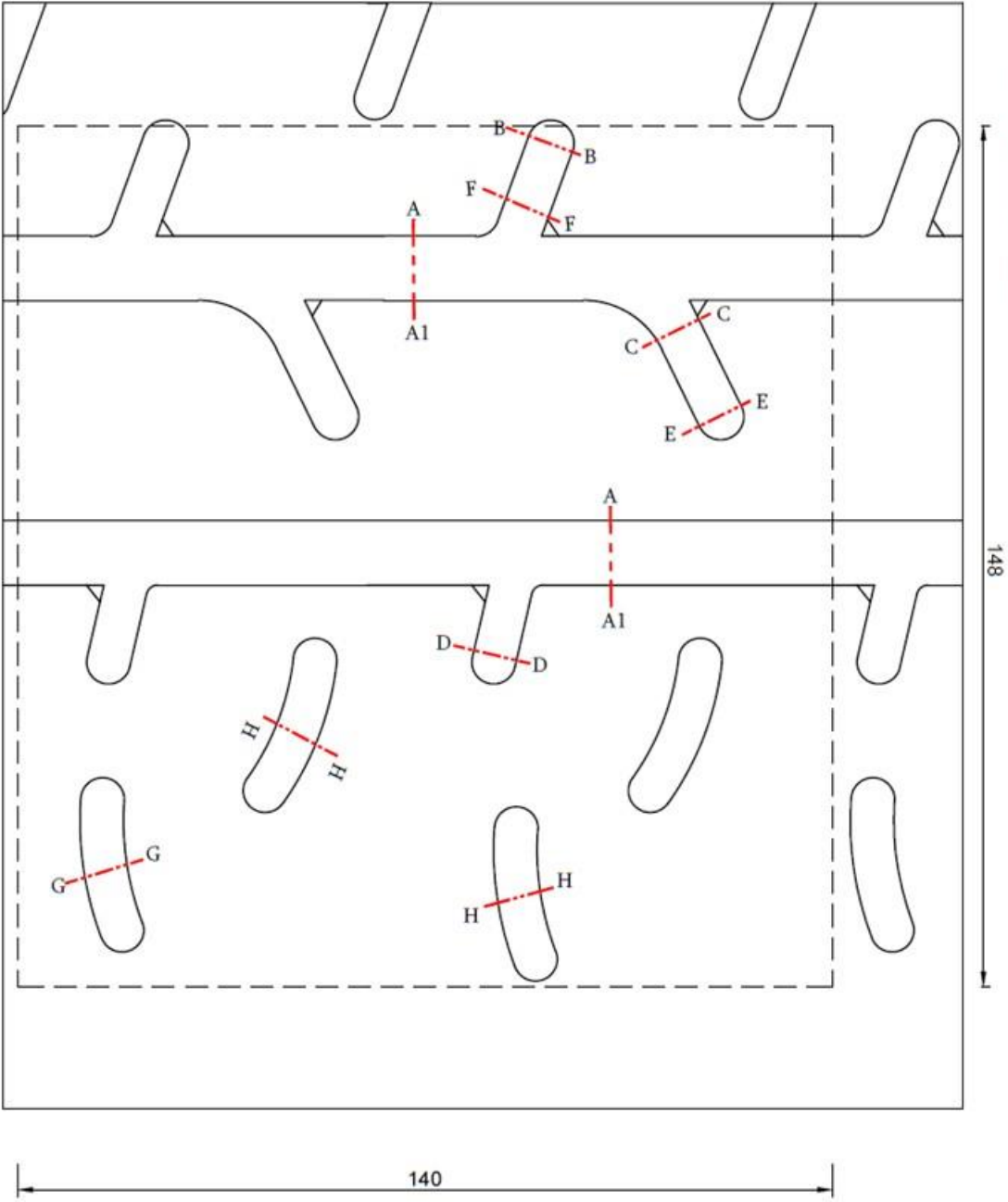
CORPORATE TECHNICAL MOULD DESIGN	DRG No.	RR-195/50R15_0518	REVISION No.	00
SAP DOCUMENT TYPE:	SAP DOCUMENT No.		VER	



16" - 195/50R16



MRF 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
REVISIONS				

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

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

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

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

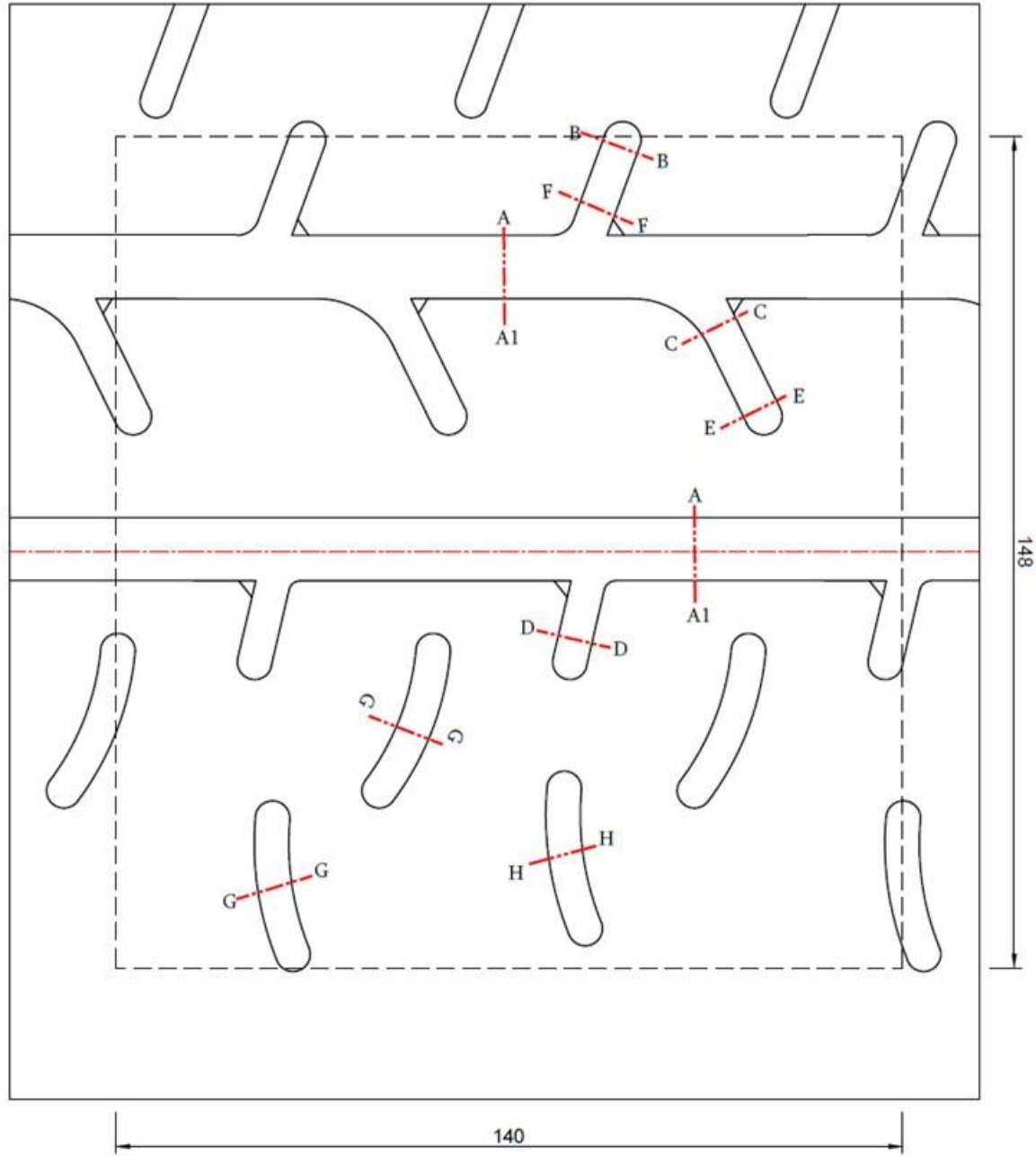
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17" - 205/45R17



MRF 205/45R17 ZTA1 TL



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

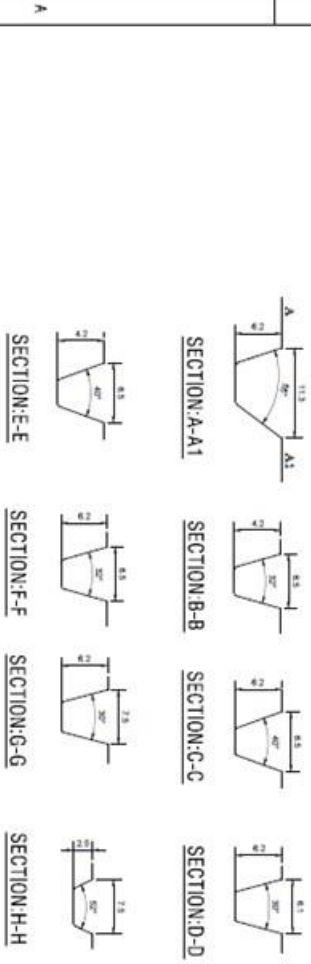
Grooved area within Min. 1.8 deep grooves > 21.5%

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"**



All dimensions are in mm, unless otherwise specified

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IF IN DOUBT ASK...
NOT TO SCALE

S.No.	DATE	DESCRIPTIONS	DRAWN	EVPRD / PDM

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

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

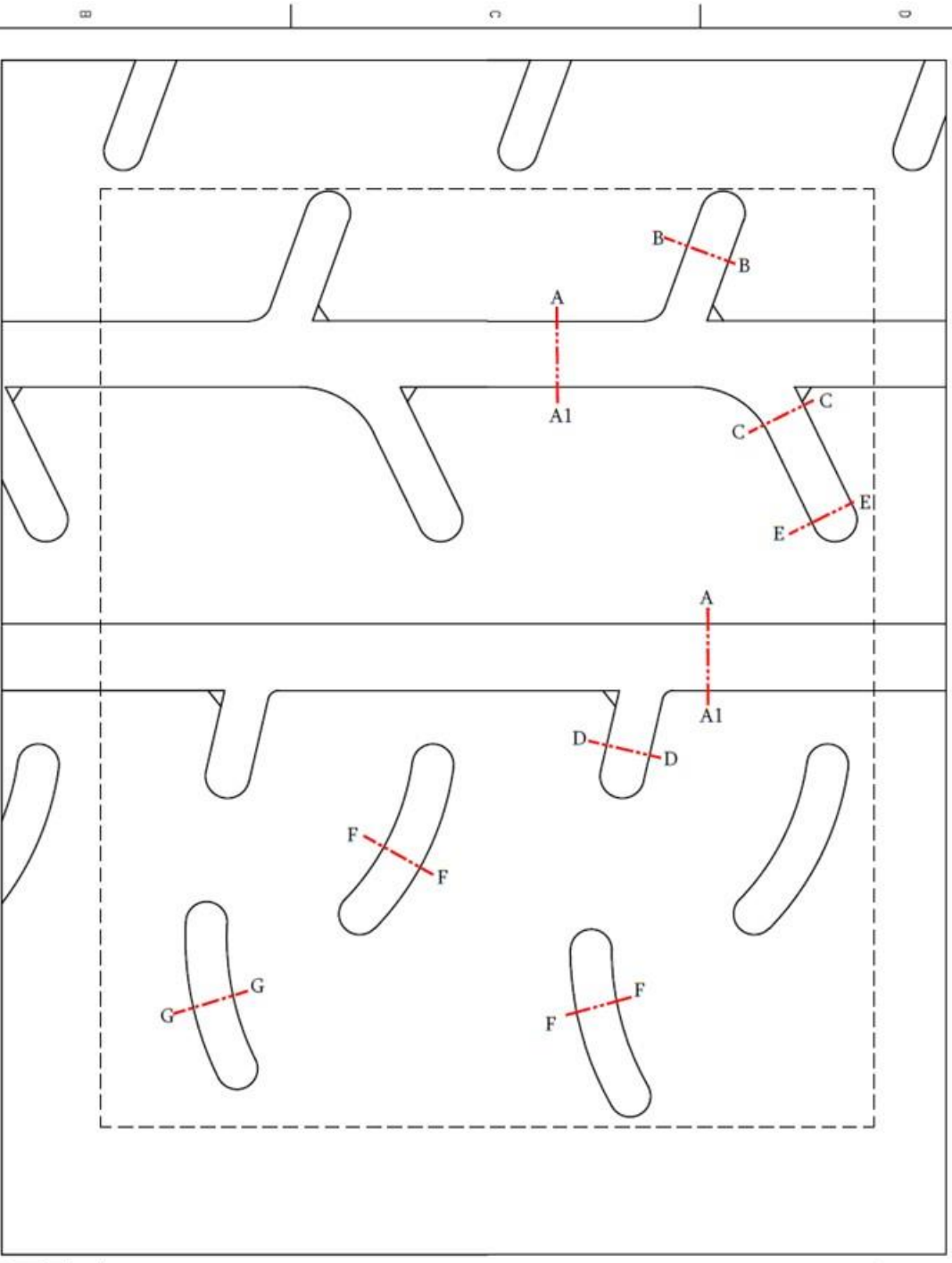
CORPORATE TECHNICAL MOULD DESIGN	DRG No.	RR-205/45R17_0518	REVISION No.	00
SAP DOCUMENT TYPE:	SAP DOCUMENT No.	VER		



18" - 235/40R18



MRF 235/40R18 ZTA1 TL



170

140

In the control area 170x140 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

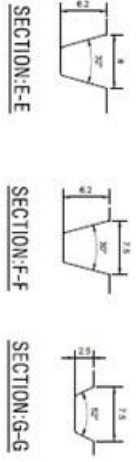
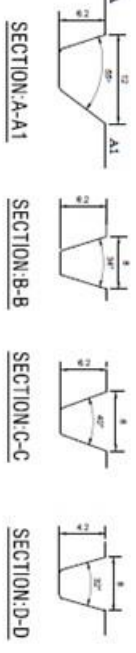
**CLASS 9"
RIM 8.0"**

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All dimensions are in mm, Unless otherwise specified

IF IN DOUBT ASK...

NOT TO SCALE

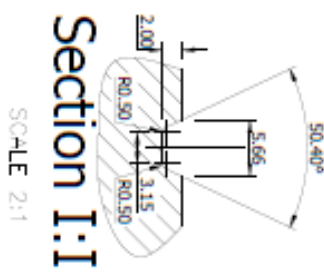
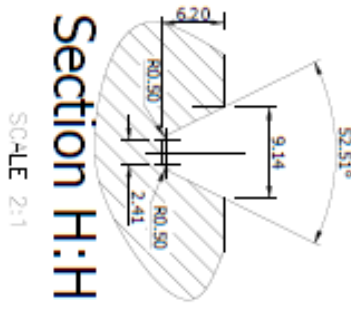
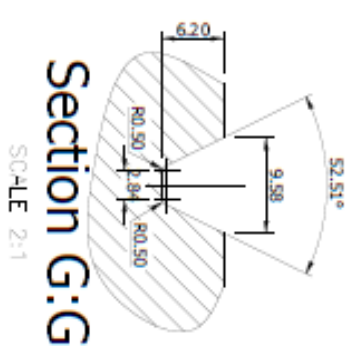
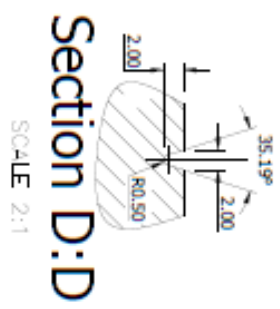
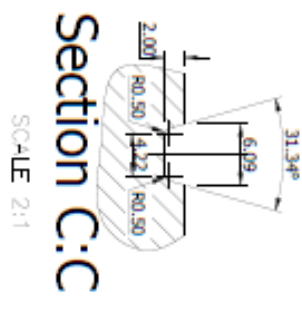
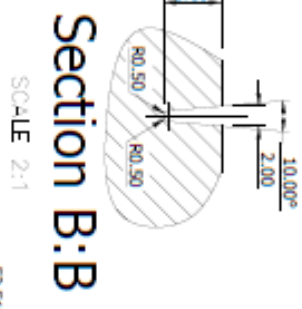
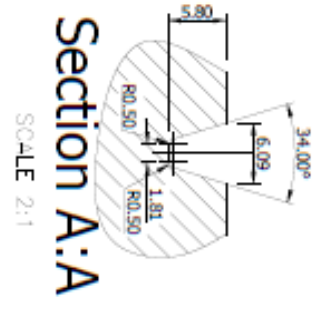
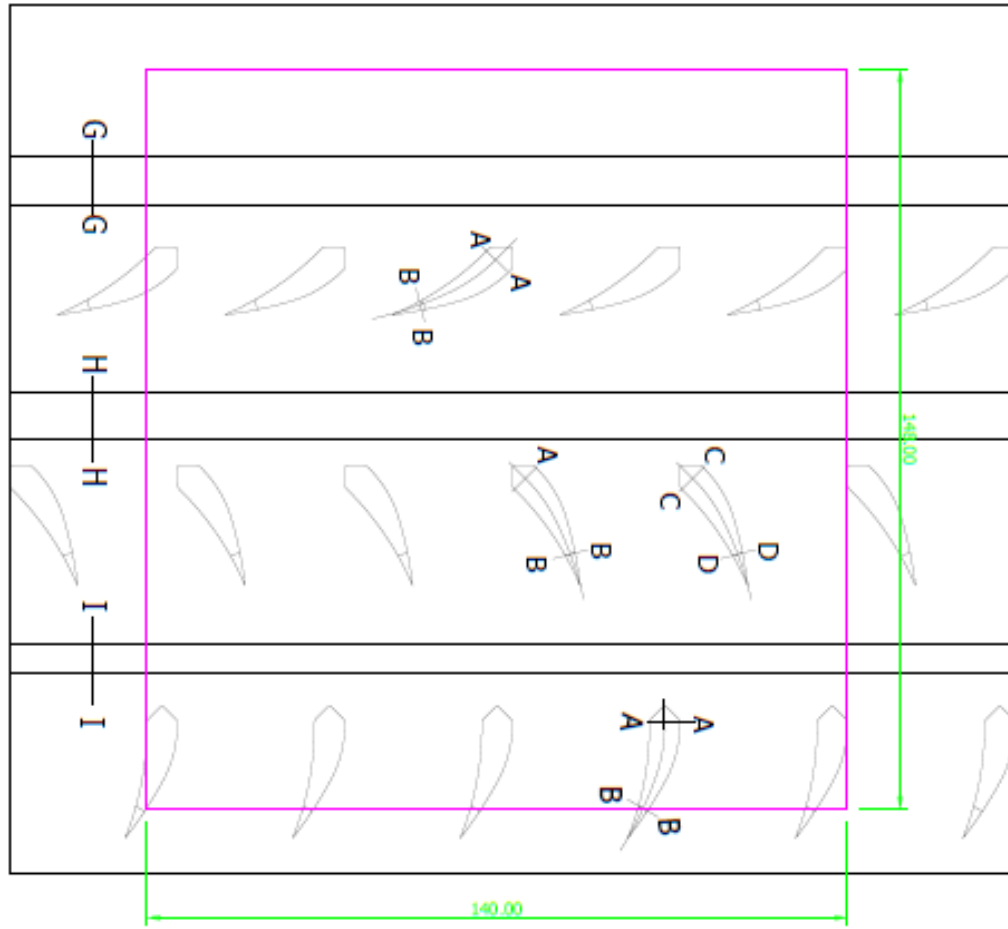


S.No.	DATE	DESCRIPTIONS	DRAWN	EVPRD / PDM

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

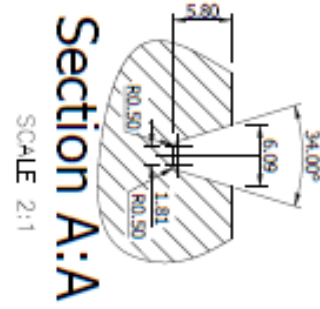
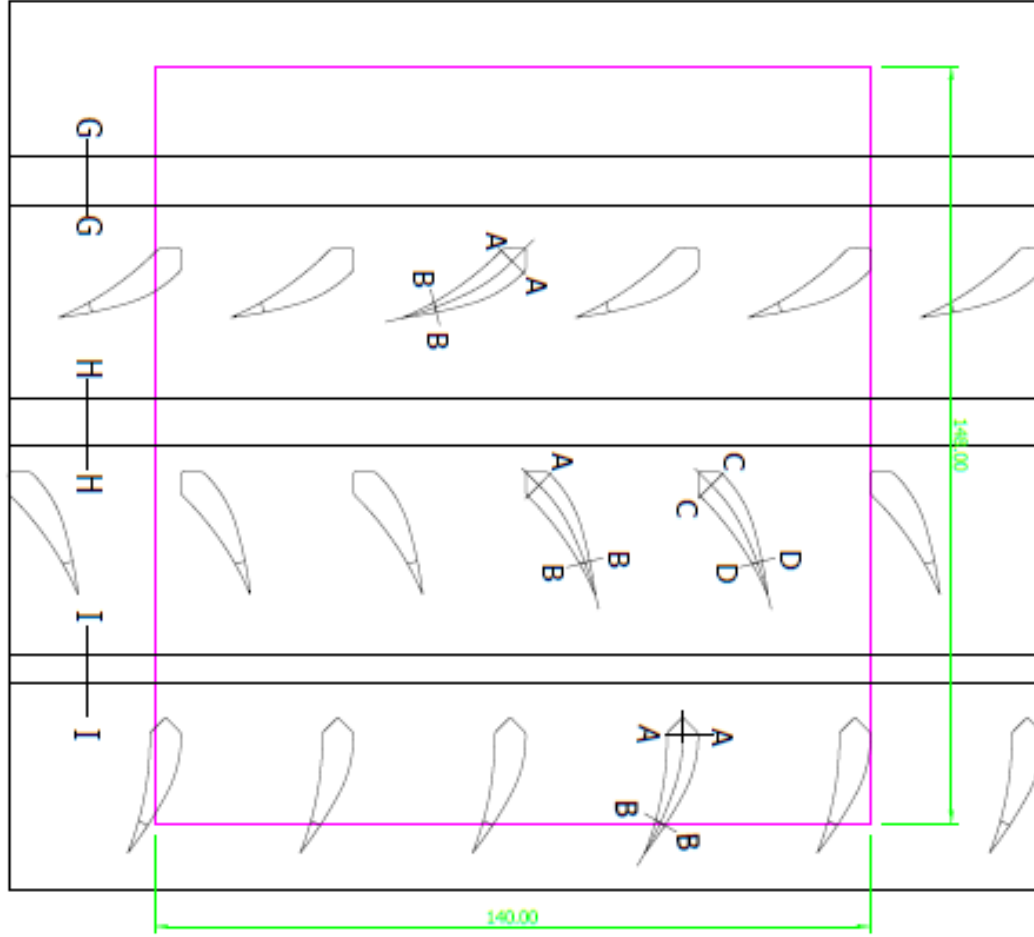
F.I.A COMPLIANCE FOR 235/40R18 ZTA1 TL

CORPORATE TECHNICAL MOULD DESIGN	DRG No.	RR-235/40R18_0518	REVISION No.	00
SAP DOCUMENT TYPE:	SAP DOCUMENT No.	VER		

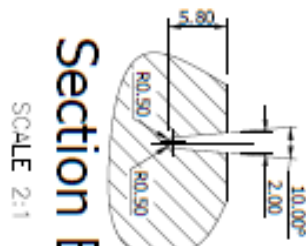


5.5m Groove - 17.74%
Total Grooves - 22.46%

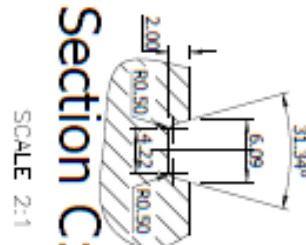
Rim - 7.0"
Class - 8.0"



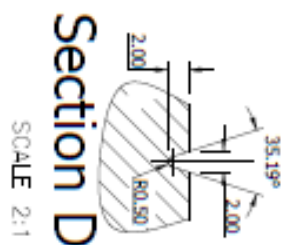
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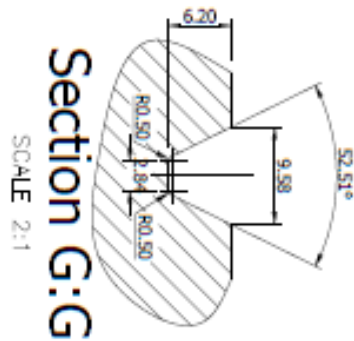
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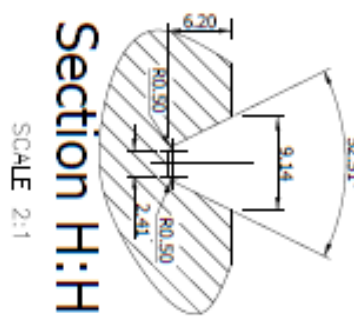
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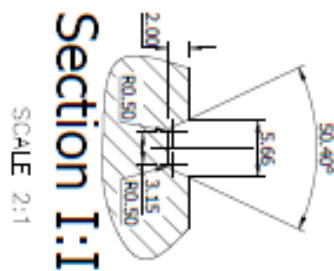
Section D:D
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Section G:G
SCALE 2:1



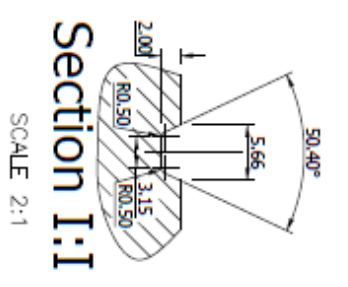
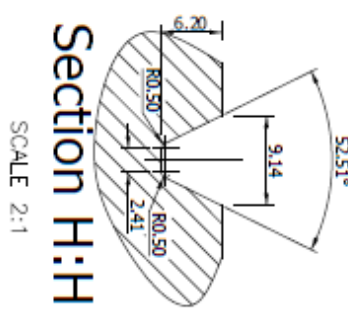
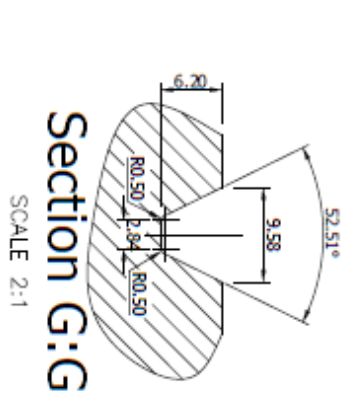
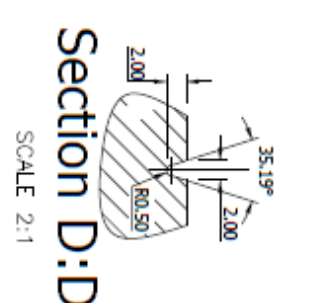
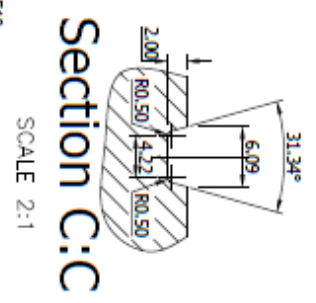
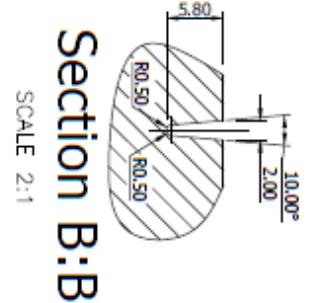
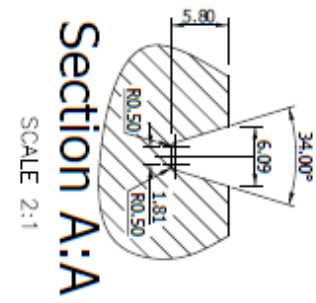
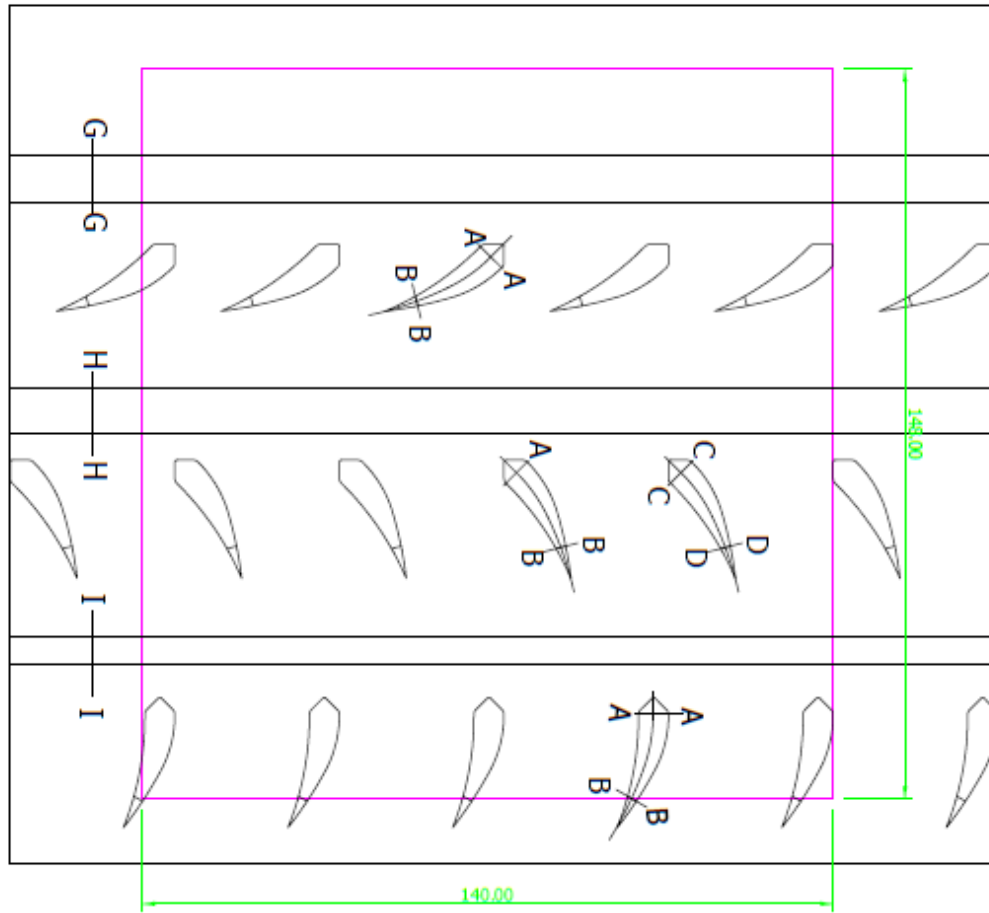
Section H:H
SCALE 2:1



Section I:I
SCALE 2:1

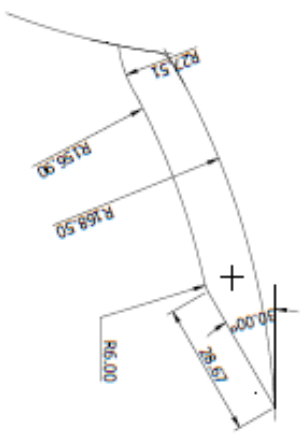
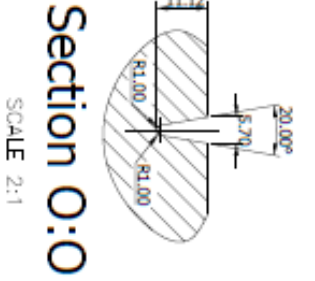
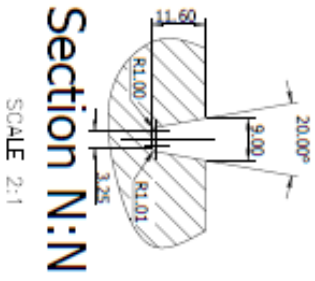
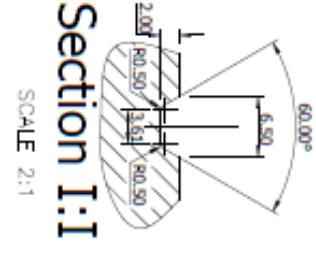
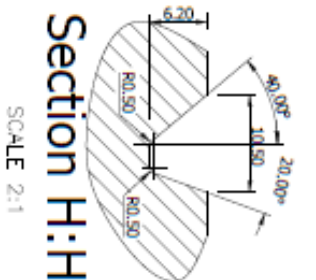
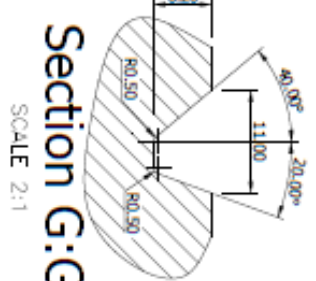
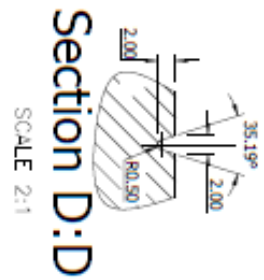
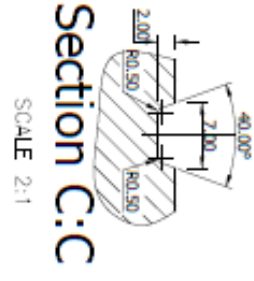
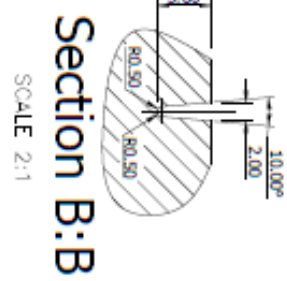
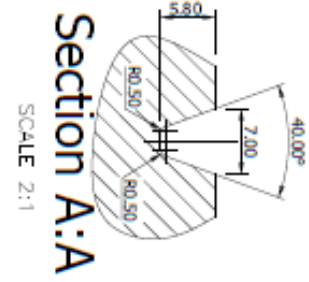
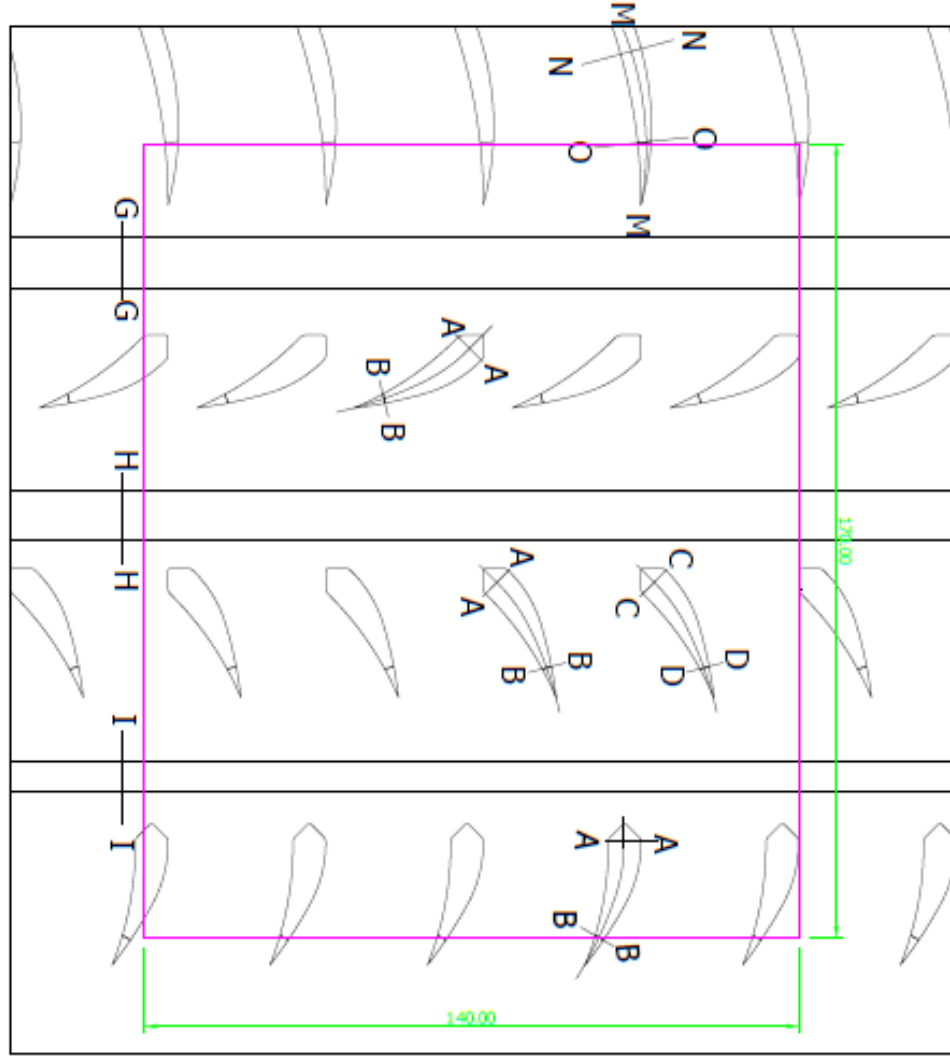
5.5m Groove - 17.62%
Total Grooves - 22.35%

Rim - 7.0"
Class - 8.0"



5.5m Groove - 17.78%
Total Grooves - 22.50%

Rim - 7.0"
Class - 8.0"



5.5m Groove - 18.35%
Total Grooves - 23.23%

