



# 2024 List of Asphalt Eligible Tyres



Page 2



Page 19



Page 31



Page 42



Page 47



Page 58



Page 65



Page 73



Page 76



Page 86



Page 91



Page 94



Page 100



Page 105

# 18"-20/65-18



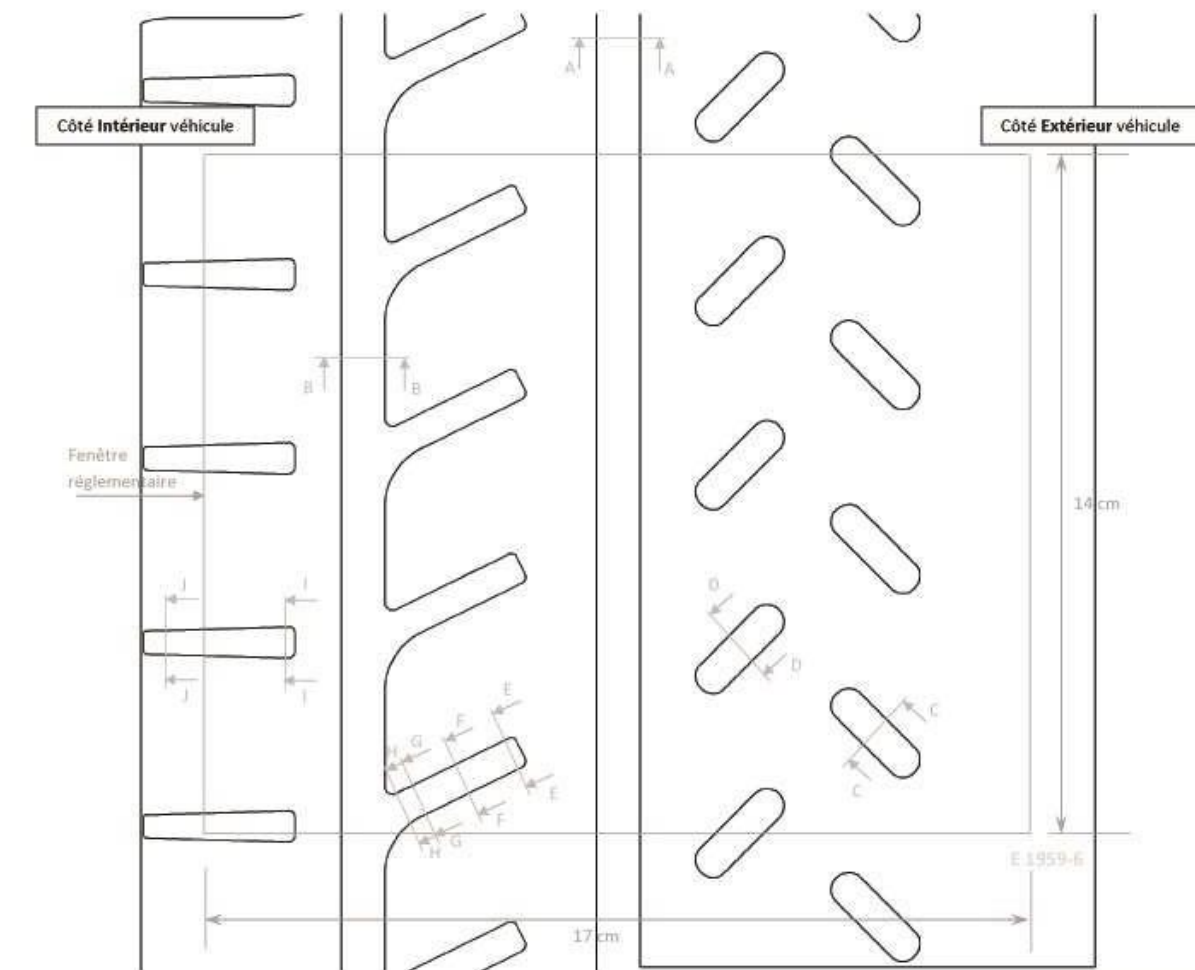
Domaine : Rallye Asphalte

Clermont-Ferrand le 05/12/2013

Dimension : 20 / 65 – 18

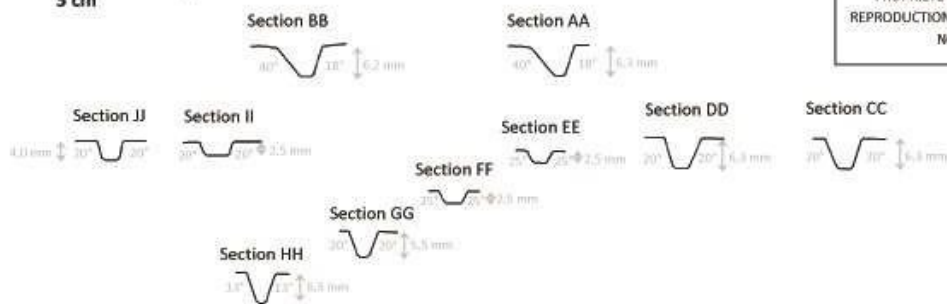
Plan de la sculpture : Pilot Sport R

Entaillement Surfacing dans fenêtre réglementaire : 21,51 %



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



# 17"-19/63-17



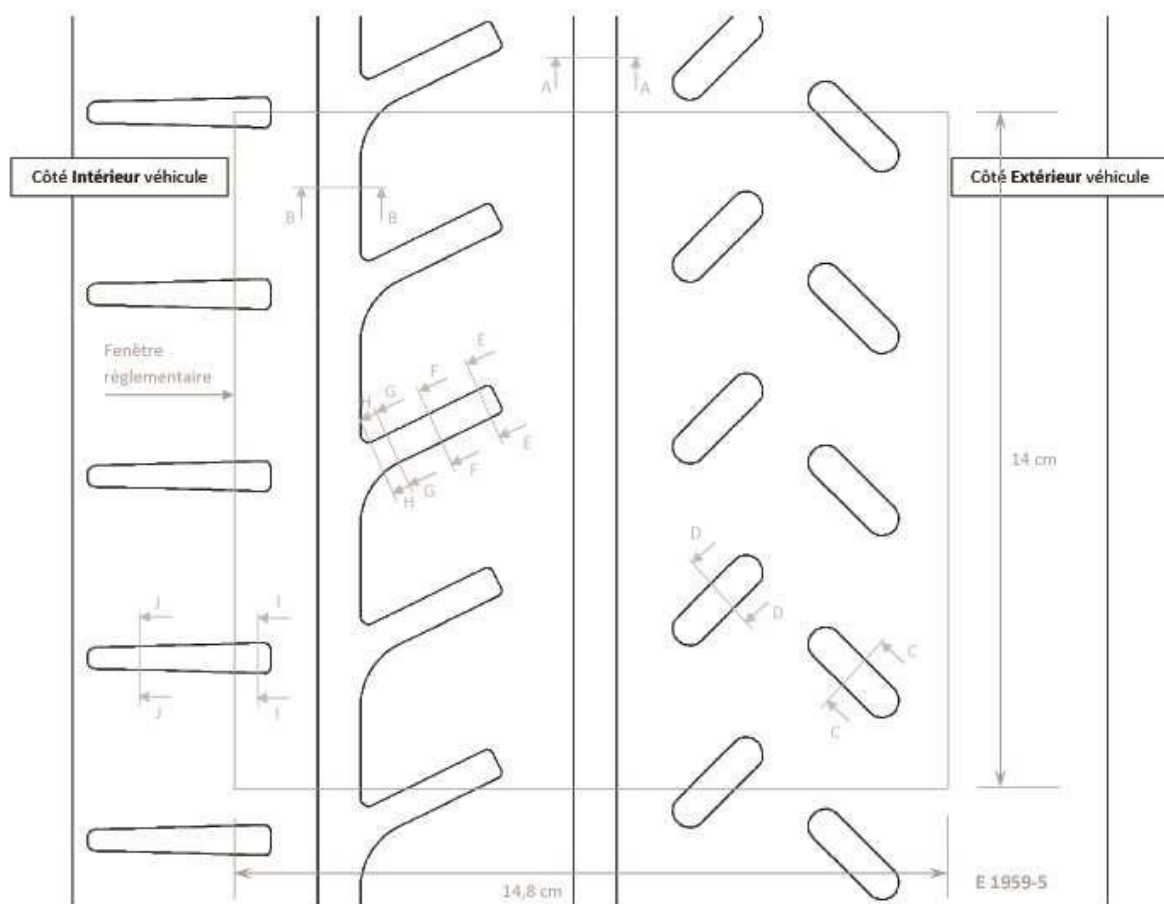
Domaine : Rallye Asphalte

Dimension : 19 / 63 – 17

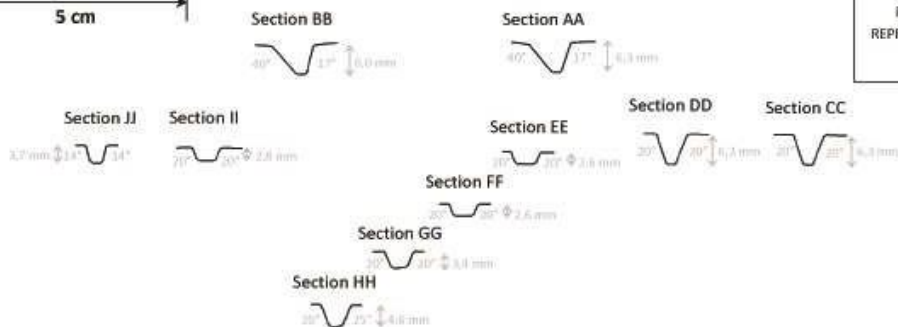
Plan de la sculpture : Pilot Sport R

Entaillement surfacique sur fenêtre réglementaire : 21,51 %

Clermont-Ferrand le 05/12/2013



Echelle 1:1  
5 cm



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# 16"-19/60-16



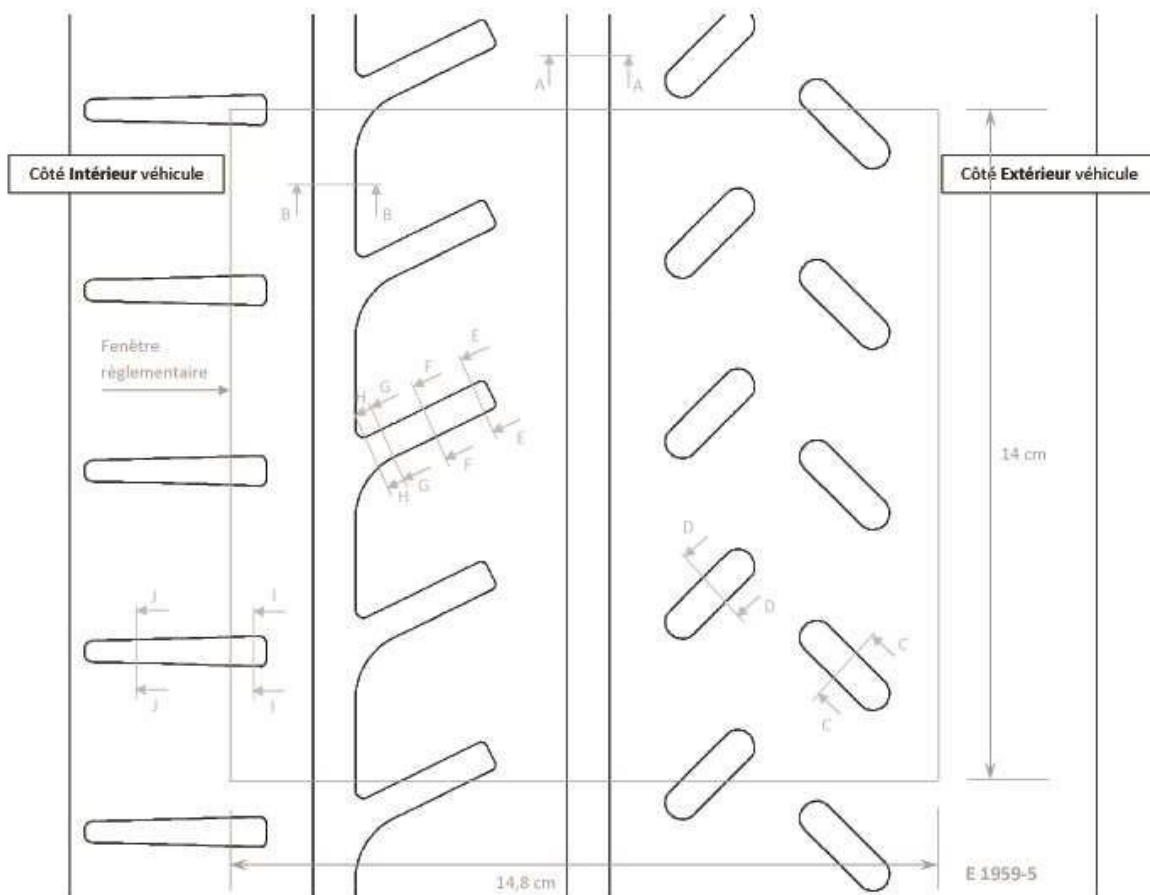
Domaine : Rallye Asphalte

Dimension : 19 / 60 – 16

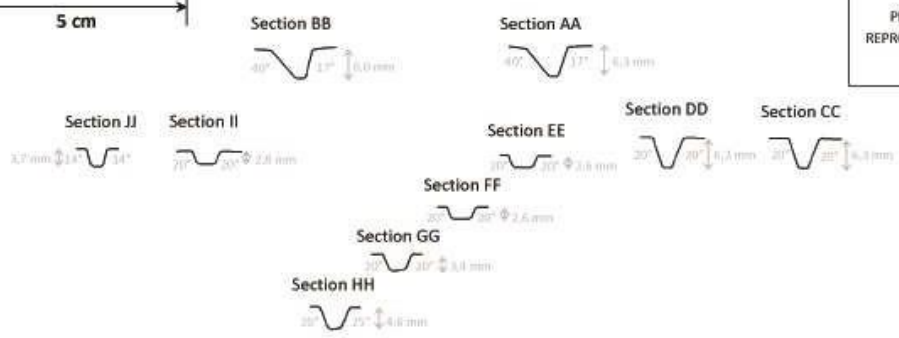
Plan de la sculpture : Pilot Sport R

Entaillement surfacique sur fenêtre réglementaire : 21,51 %

Clermont-Ferrand le 05/12/2013



Echelle 1:1  
5 cm



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# 15"-19/58-15



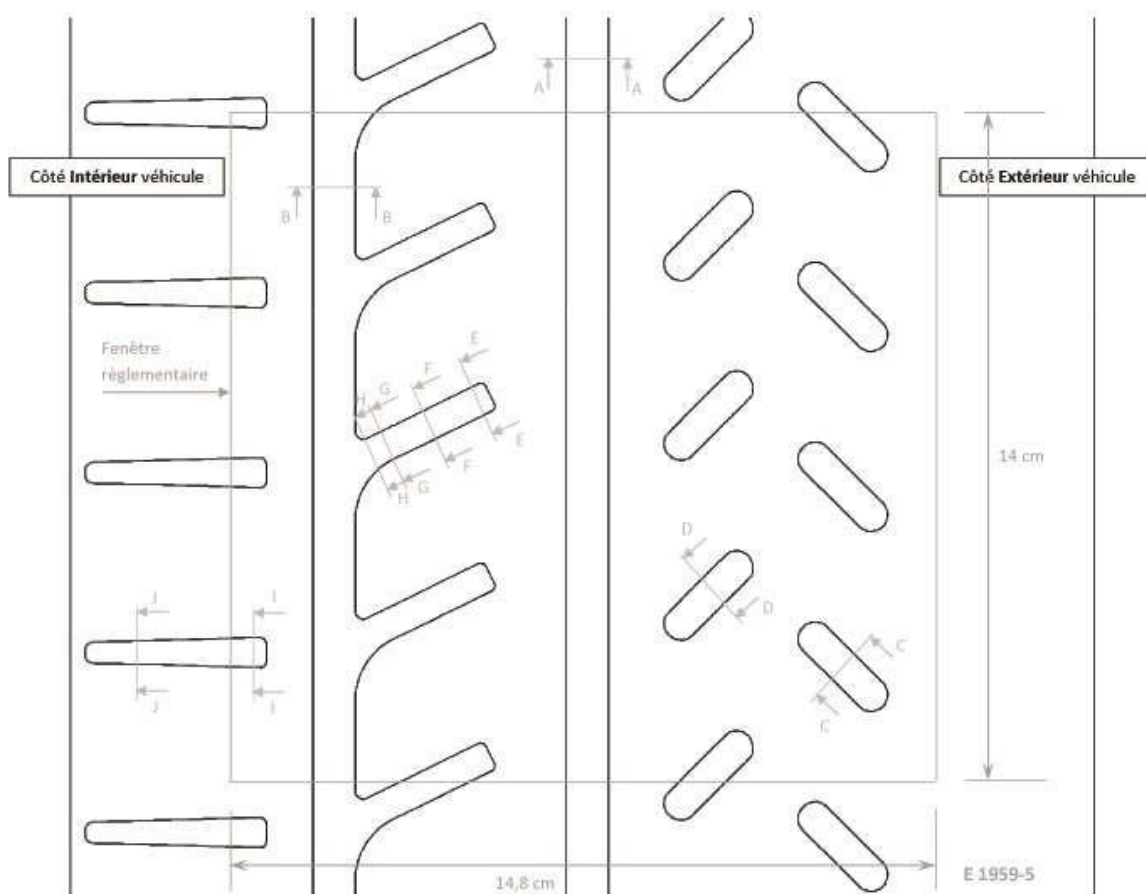
Domaine : Rallye Asphalte

Dimension : 19 / 58 – 15

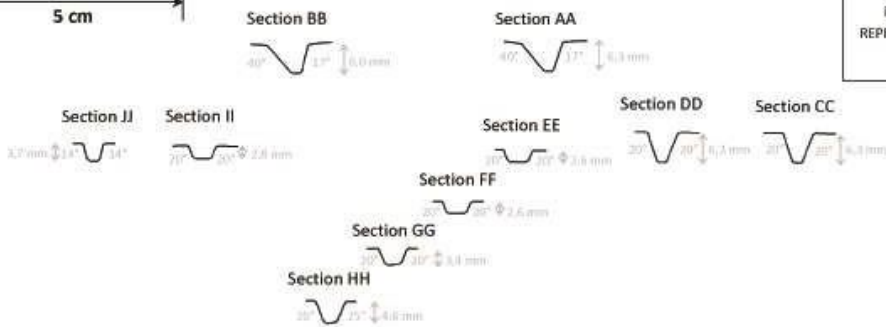
Plan de la sculpture : Pilot Sport R

Entaillement surfacique sur fenêtre réglementaire : 21,51 %

Clermont-Ferrand le 05/12/2013



Echelle 1:1  
5 cm



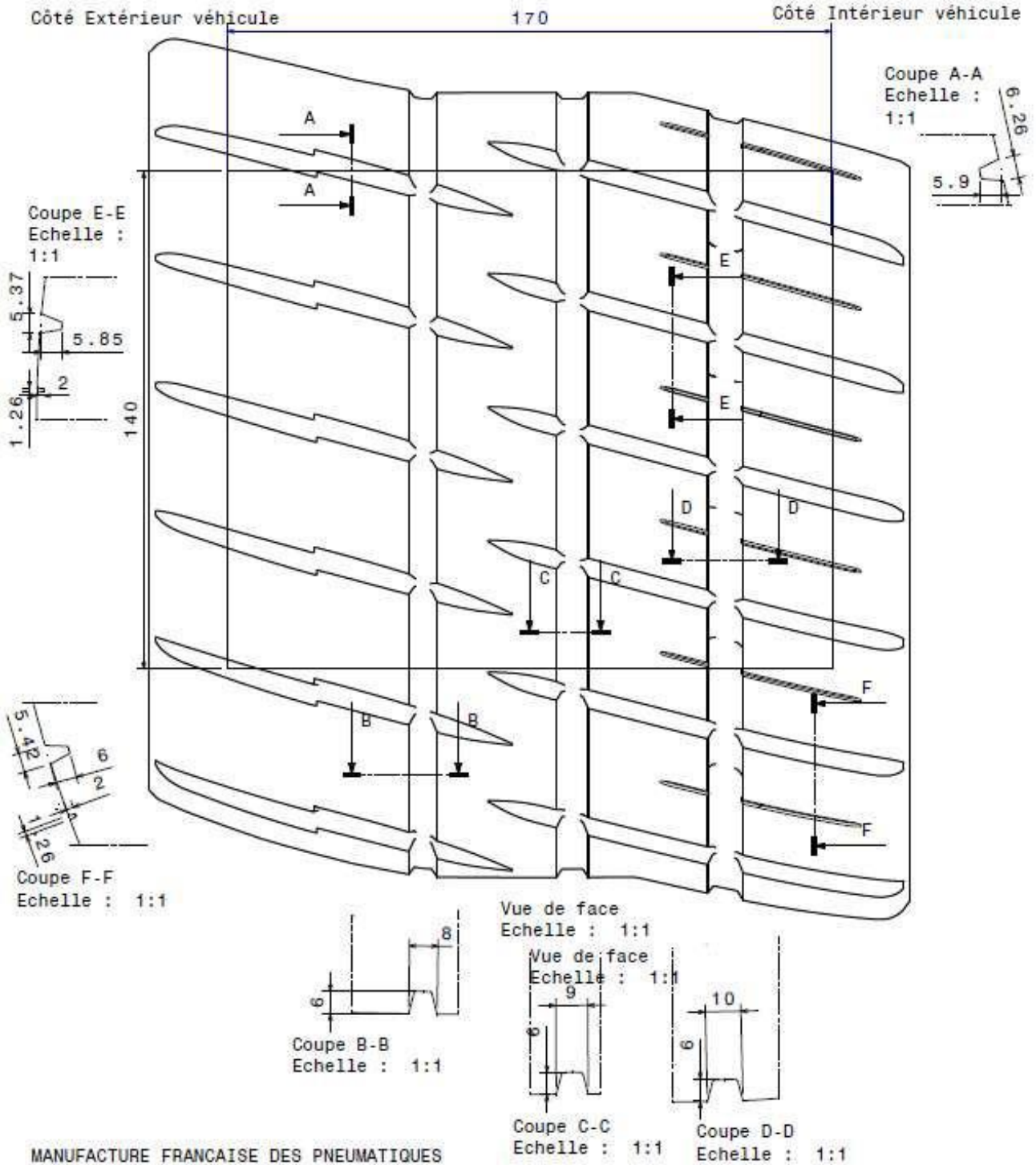
MANUFACTURE FRANCAISE DES PNEUMATIQUES  
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NOTRE ACCORD ECRIT

# 18"-20/65-18

Domaine : Rallye Asphalte Wet  
 Dimension : 20 / 65 - 18  
 Plan de la sculpture : Pilot Sport A MW1  
 Entaillement Surfacique dans fenetre  
 réglementaire > 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



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 NOTRE ACCORD ECRIT

# 17"-19/63-17

Domaine : Rallye Asphalte Wet

Dimension : 19 / 63 - 17

Plan de la sculpture : Pilot Sport A MWI

Entaillement surfacique dans fenêtre

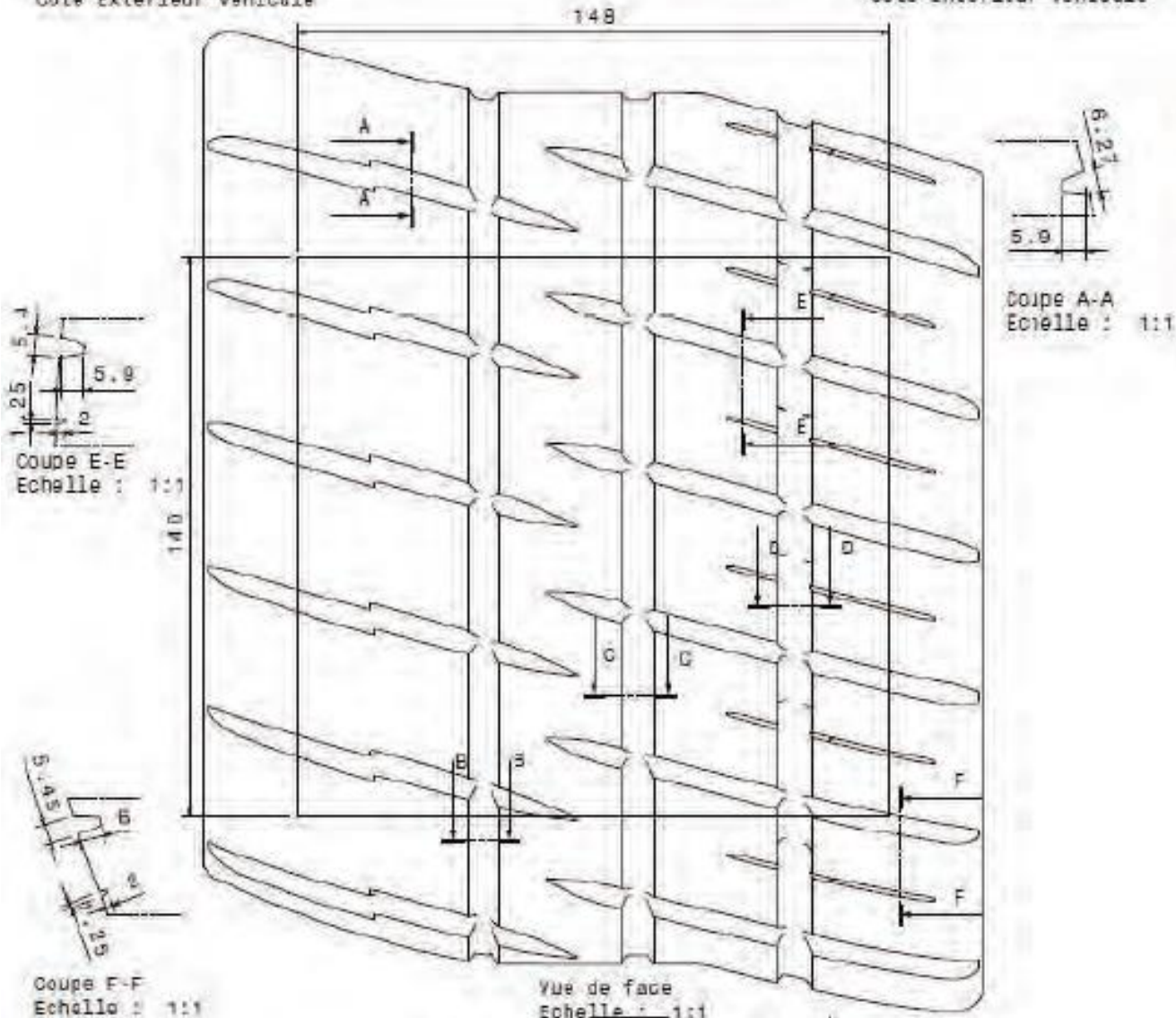
règlementaire > ou = 27.5 % avec les entailles > 1.8 mm de profondeur comme avec les entailles > 5.5 mm de profondeur.



Clermont-Ferrand le 18/09/2019

Côté Extérieur véhicule

Côté Intérieur véhicule



Coupe E-E  
Echelle : 1:1

Coupe A-A  
Echelle : 1:1

Coupe F-F  
Echelle : 1:1

Vue de face  
Echelle : 1:1

Coupe B-B  
Echelle : 1:1

Coupe C-C  
Echelle : 1:1

Coupe D-D  
Echelle : 1:1

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# 16"-19/60-16

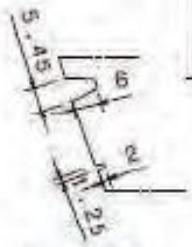
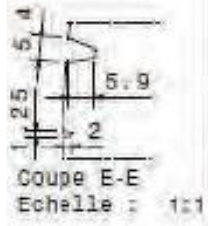
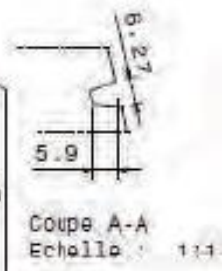
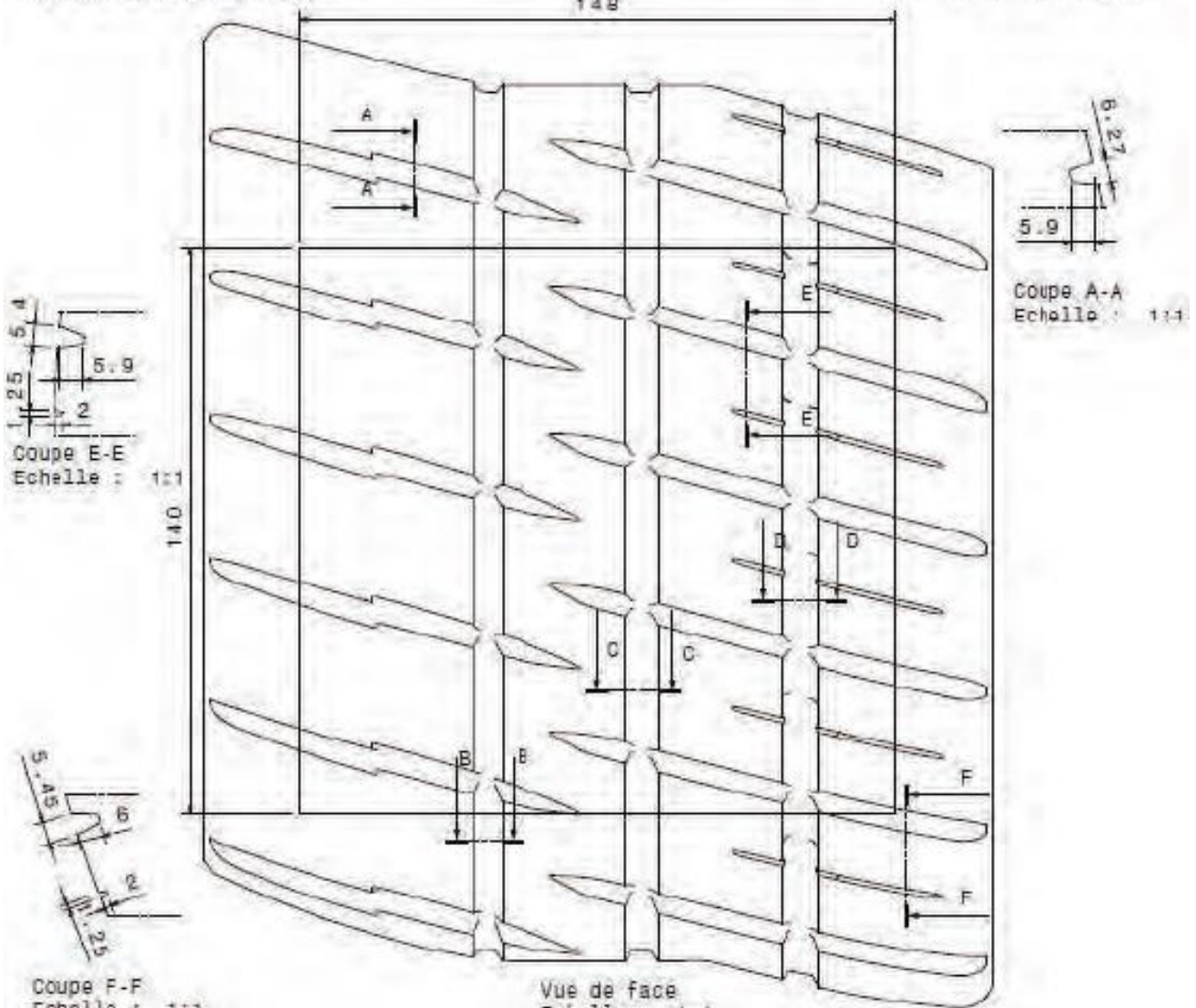
Domaine : Rallye Asphalte Wet  
 Dimension : 19 / 60 - 16  
 Plan de la sculpture : Pilot Sport A MW1  
 Entaillement surfacique dans fenetre  
 réglementaire > ou = 27.5 % avec les entailles > 1.8 mm de  
 profondeur comme avec les entailles > 5.5 mm de profondeur.



Clermont-Ferrand le 23/09/2019

Côté Extérieur véhicule

Côté Intérieur véhicule



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 NOTRE ACCORD ECRIT

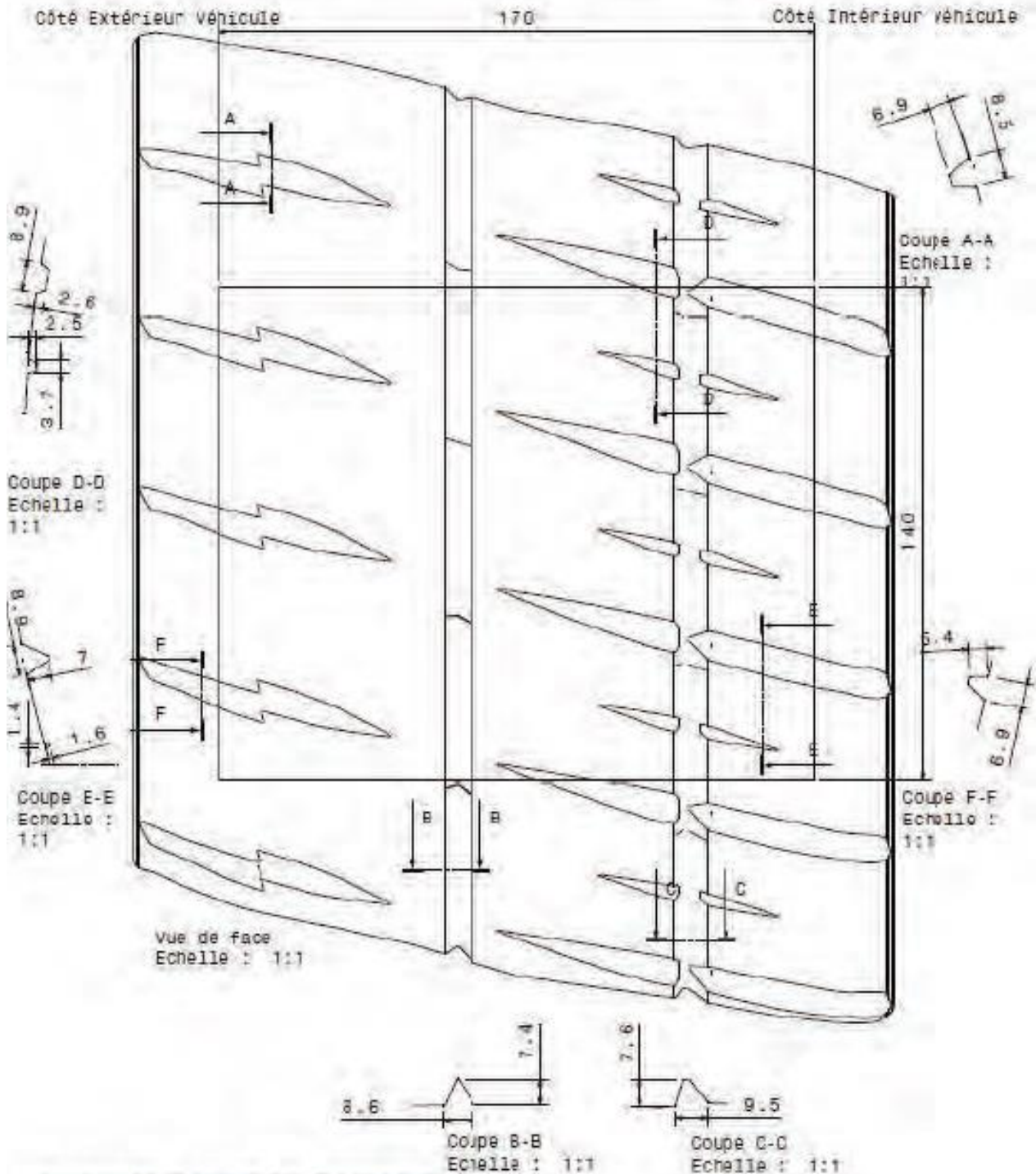


# 18" – 20/65-18

Domaine : Rallye Asphalte  
 Dimension : 20 / 65 - 18  
 Plan de la sculpture : Pilot Sport A  
 Entaillement Surfaccique dans fenetre  
 réglementaire : 21.74 %



Clermont-Ferrand le 05/08/2020



MANUFACTURE FRANCAISE DES PNEUMATIQUES  
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# 18"-18/65-18



Clermont-Ferrand le : 15/12/2016

Domaine : Rallye Asphalte WRC Wet

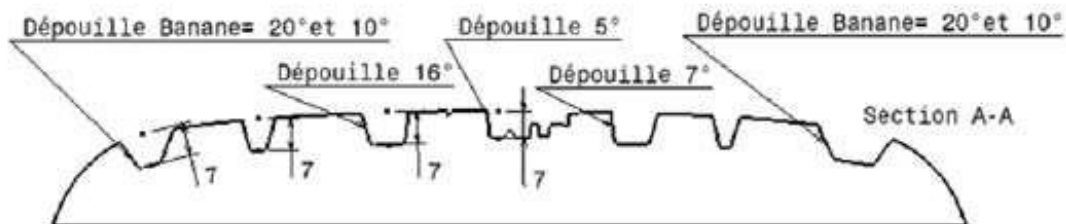
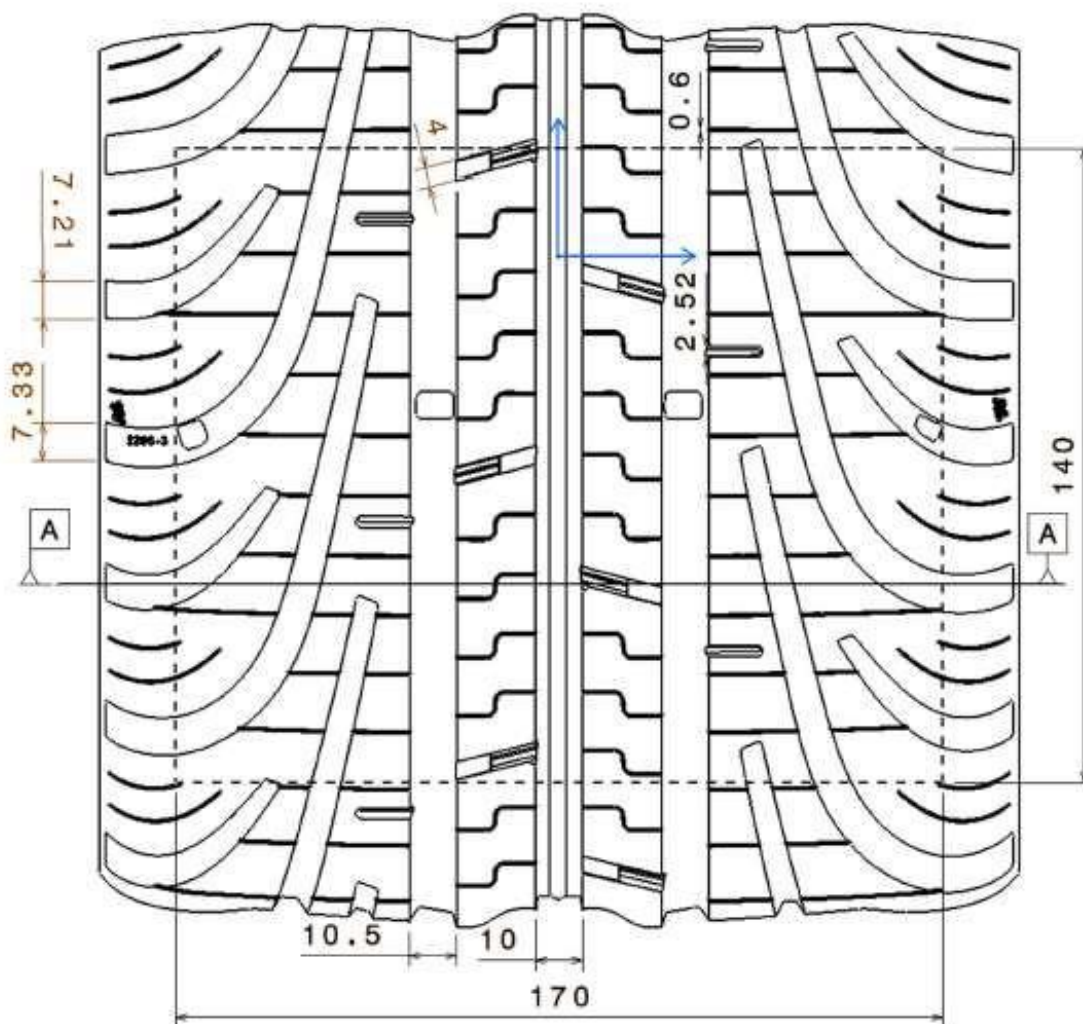
Dimension : 18 / 65 - 18

Plan de la sculpture : Pilot Sport FW3

Entaillement Surfacique sur entaille  $\geq 5,5\text{mm}$  de profondeur : 27.5%

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MICHELIN CLERMONT-FERRAND

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# RGT Only – 24/65-18

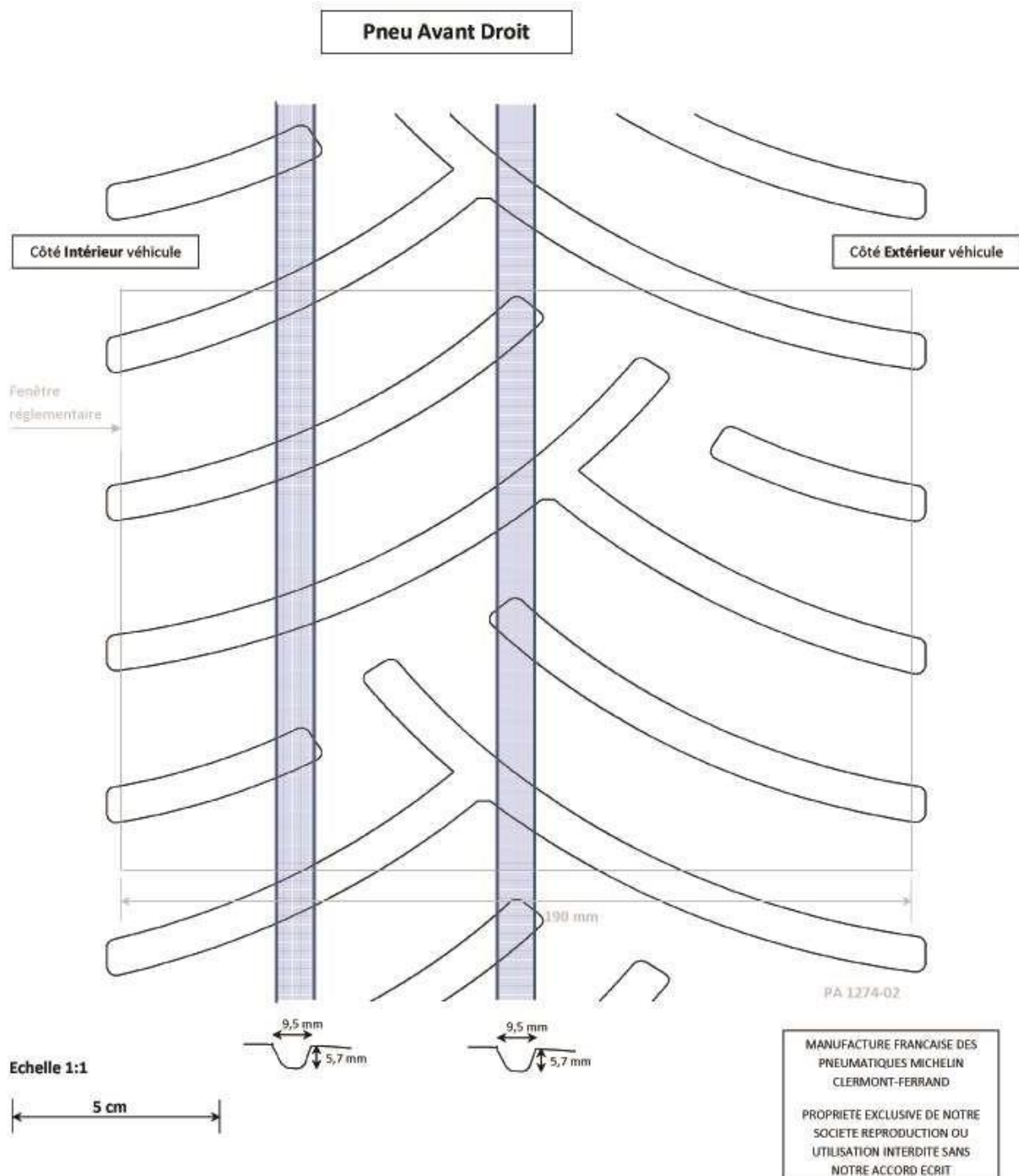


Domaine : Rallye Asphalte

Dimension : 24 / 65 - 18

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

Clermont-Ferrand le 18/12/2013

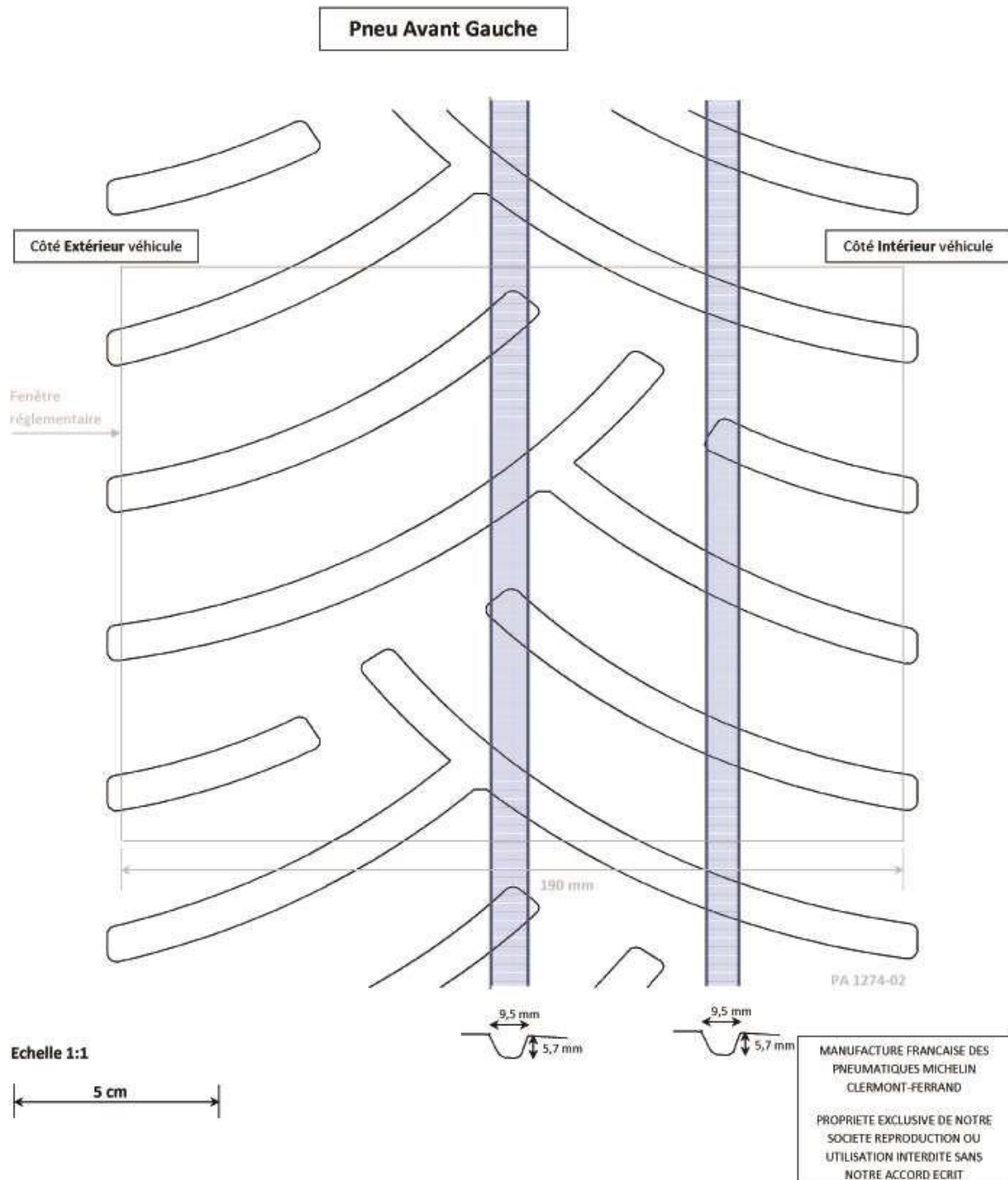


# RGT Only – 24/65-18



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

Clermont-Ferrand le 18/12/2013



# RGT Only – 29/65-18

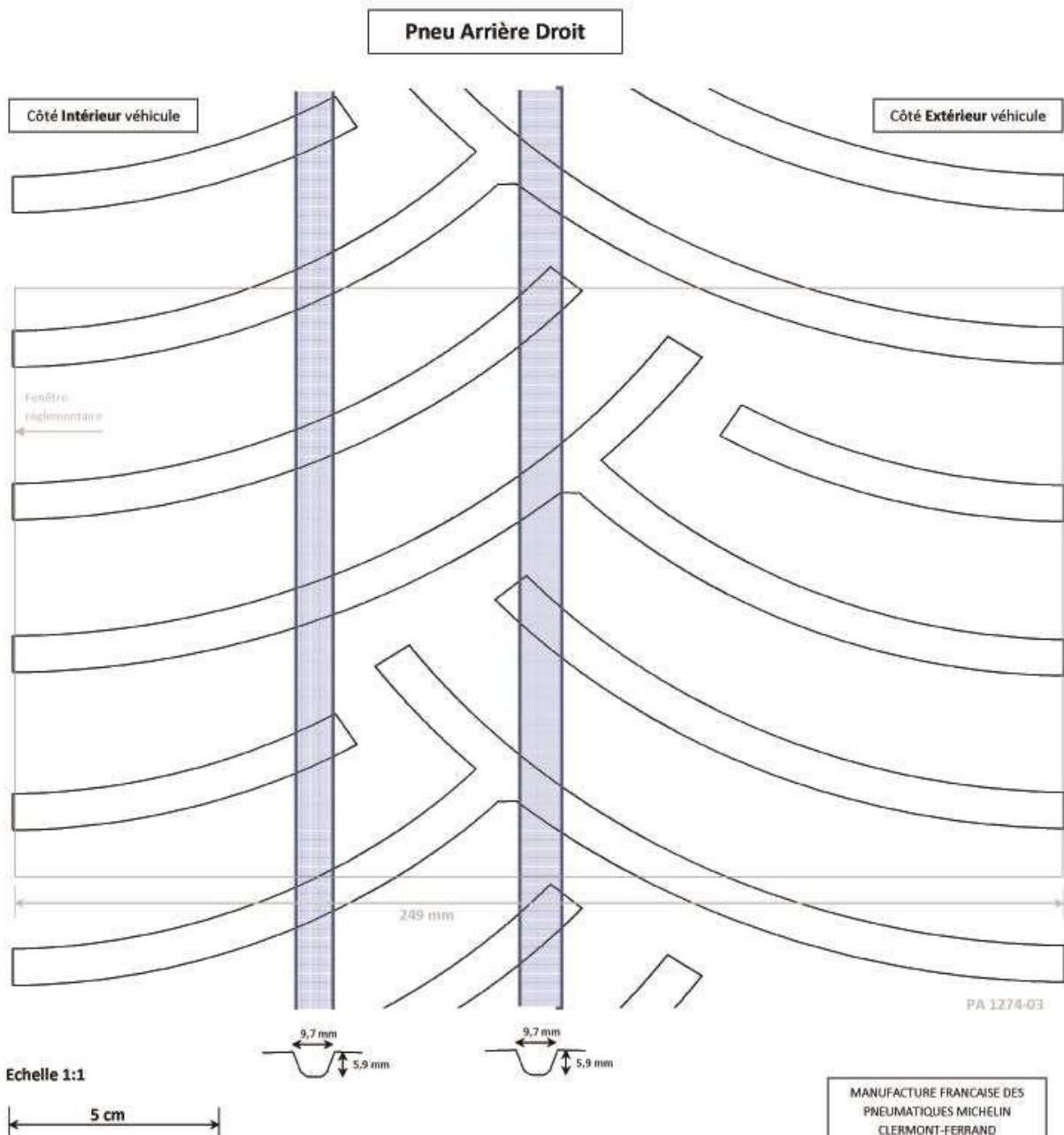


Domaine : Rallye Asphalte

Dimension : 29 / 65 - 18

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

Clermont-Ferrand le 18/12/2013



# RGT Only – 29/65-18

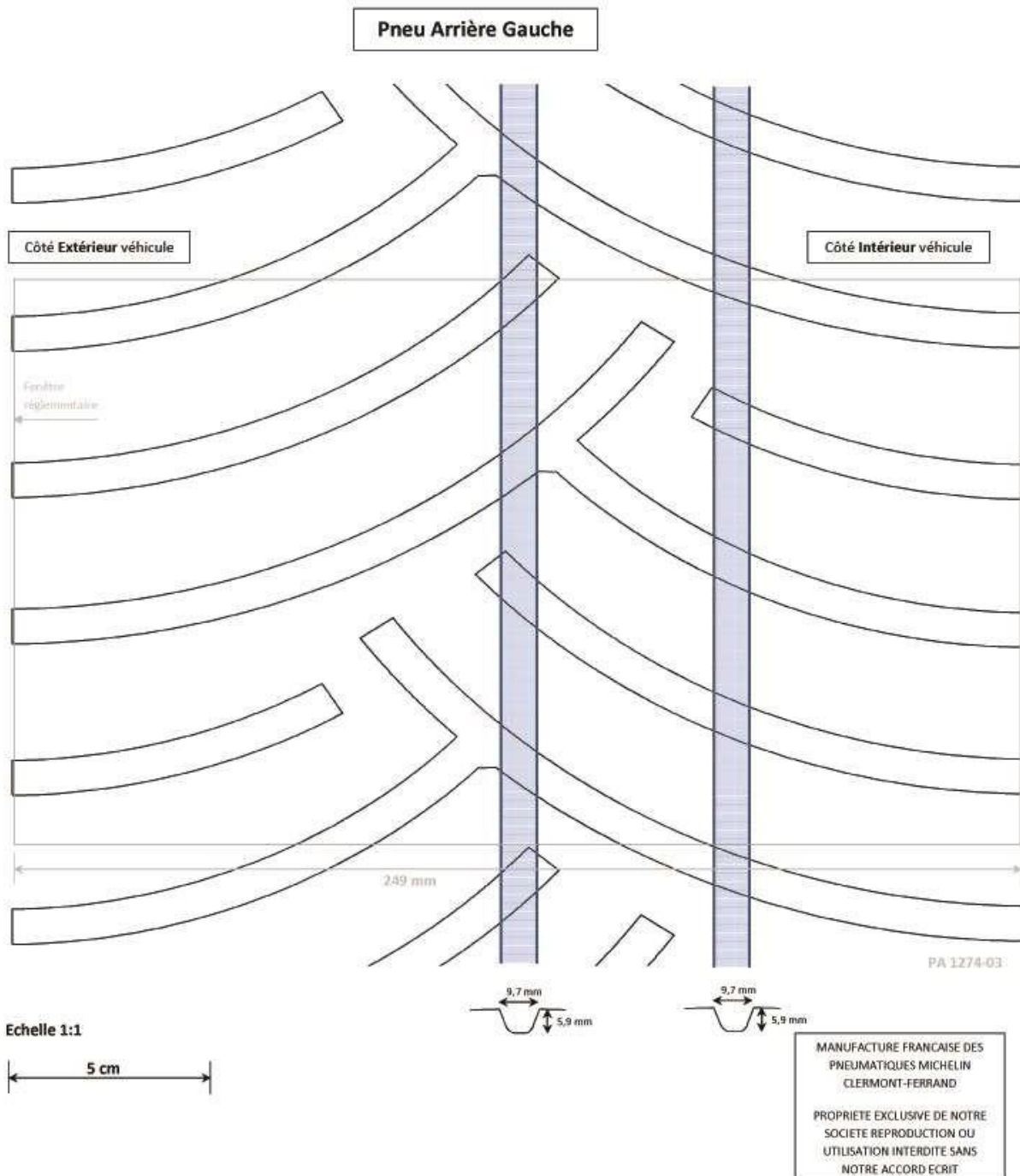


Domaine : Rallye Asphalte

Dimension : 29 / 65 – 18

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

Clermont-Ferrand le 18/12/2013

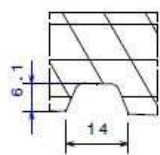
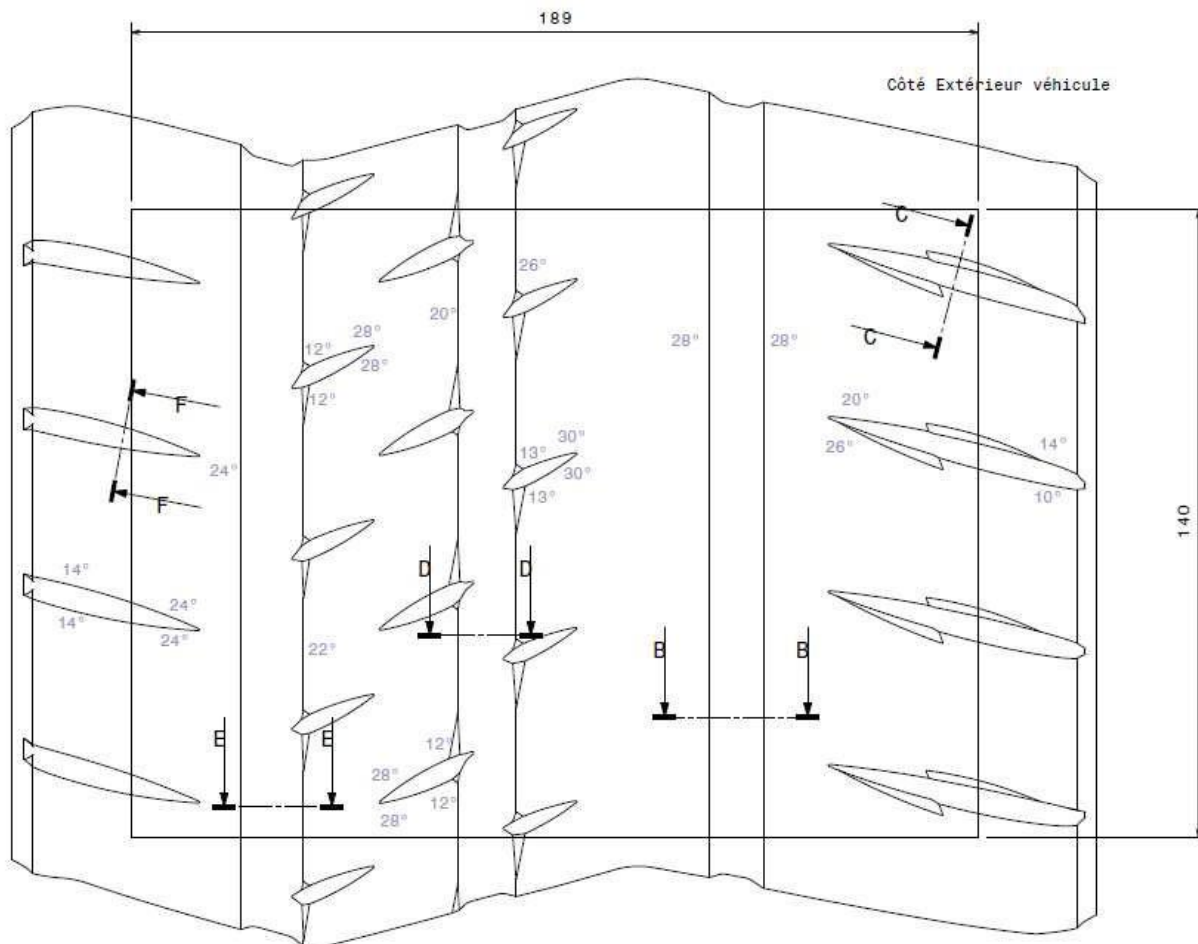


# RGT Only – 24/65-18

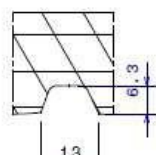


Domaine : Rallye Asphalte  
 Dimension : 24/65 R18  
 Plan de la sculpture : Pilot Sport R  
 Entaillement Surfaccique dans fenetre réglementaire : 21.7 % à 1.8 mm d'usure  
 : 17 % à 5.5 mm d'usure

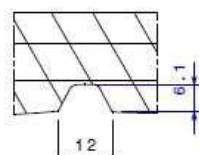
Clermont-Ferrand le 28/02/2018



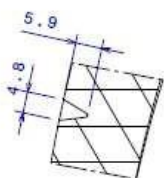
Coupe E-E



Coupe D-D

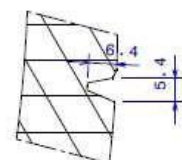


Coupe B-B



Coupe F-F

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 SANS NOTRE ACCORD ECRIT



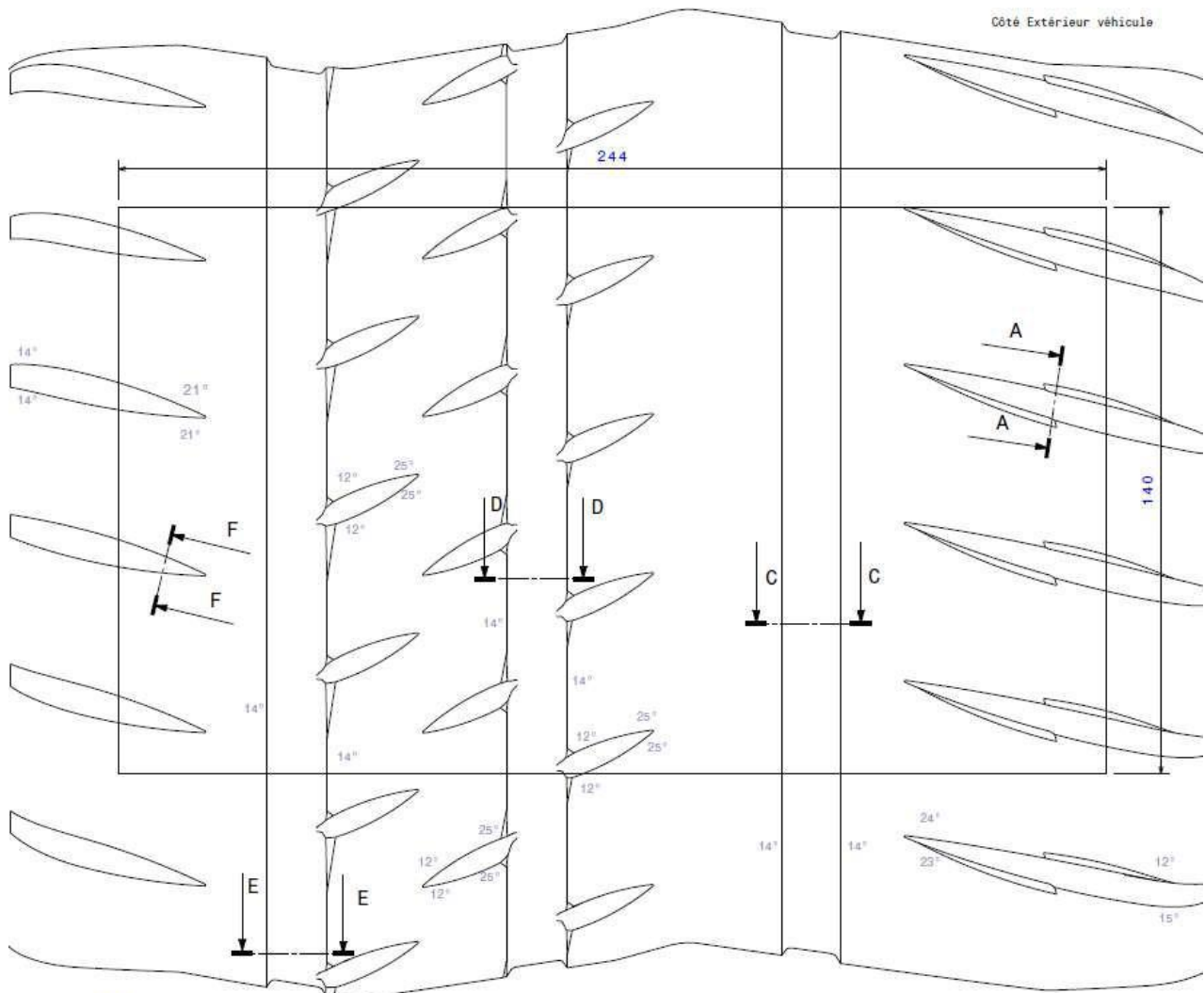
Coupe C-C

# RGT Only-29/65-18

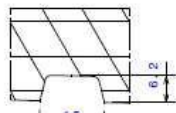


Domaine : Rallye Asphalte  
 Dimension : 29/65 R18  
 Plan de la sculpture : Pilot Sport R  
 Entaillement Surfaccique dans fenetre reglementaire : 22.6 % à 1.8 mm d'usure  
 : 19.2 % à 5.5 mm d'usure

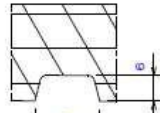
Clermont-Ferrand le 28/02/2018



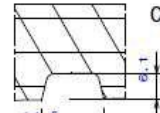
Coupe F-F



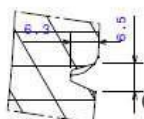
Coupe E-E



Coupe D-D



Coupe C-C



Coupe A-A

MANUFACTURE FRANCAISE DES PNEUMATIQUES MICHELIN  
 CLERMONT-FERRAND  
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# 19/60-16

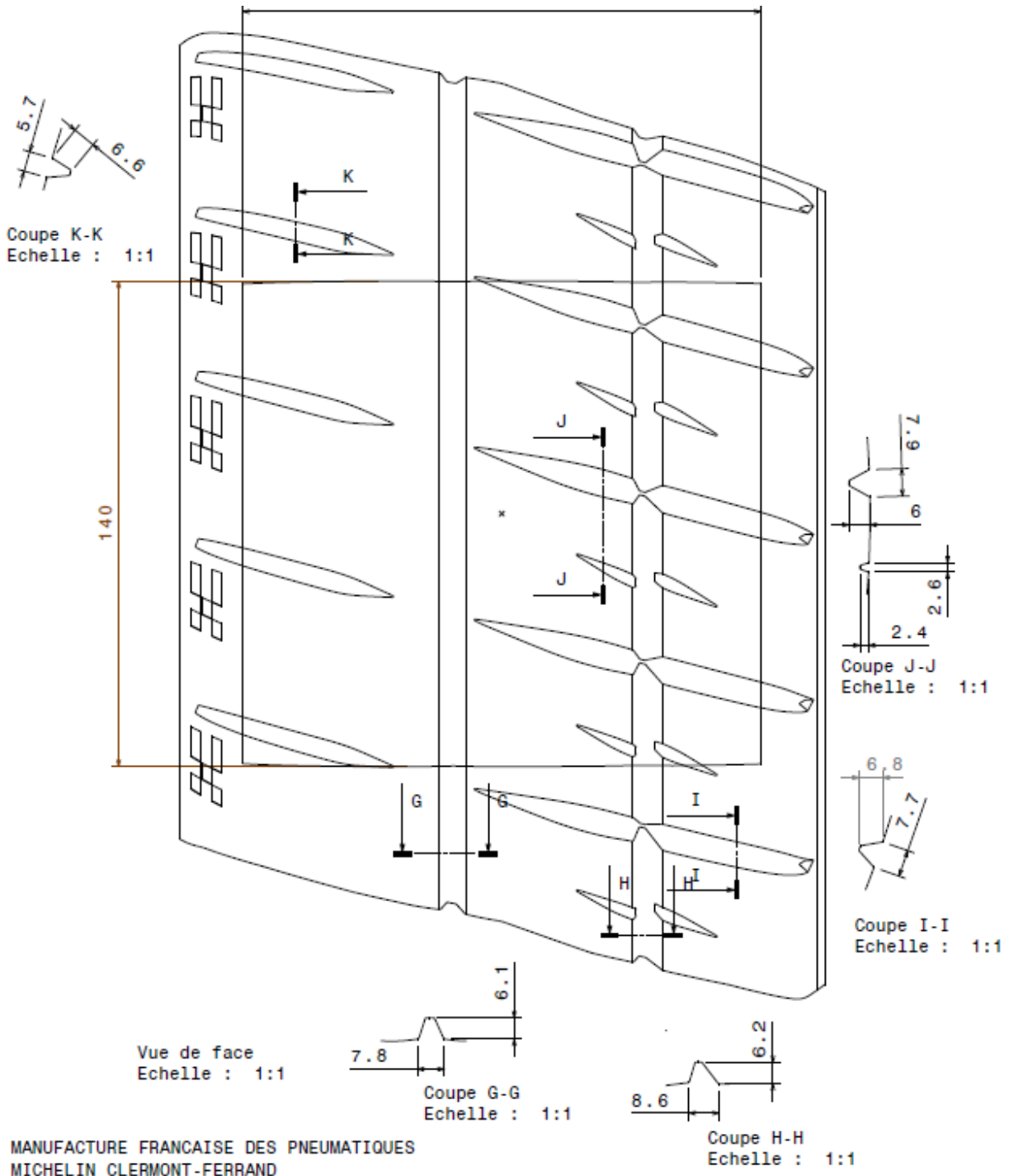


Domaine : Rallye Asphalte  
 Dimension : 19 / 60 - 16  
 Plan de la sculpture : Pilot Sport Pro Rally  
 Entaillement Surfaccique dans fenêtre  
 réglementaire : 21.8 %

Clermont-Ferrand le 06/07/2022

Côté Extérieur véhicule

Côté Intérieur véhicule



# 19/63-17



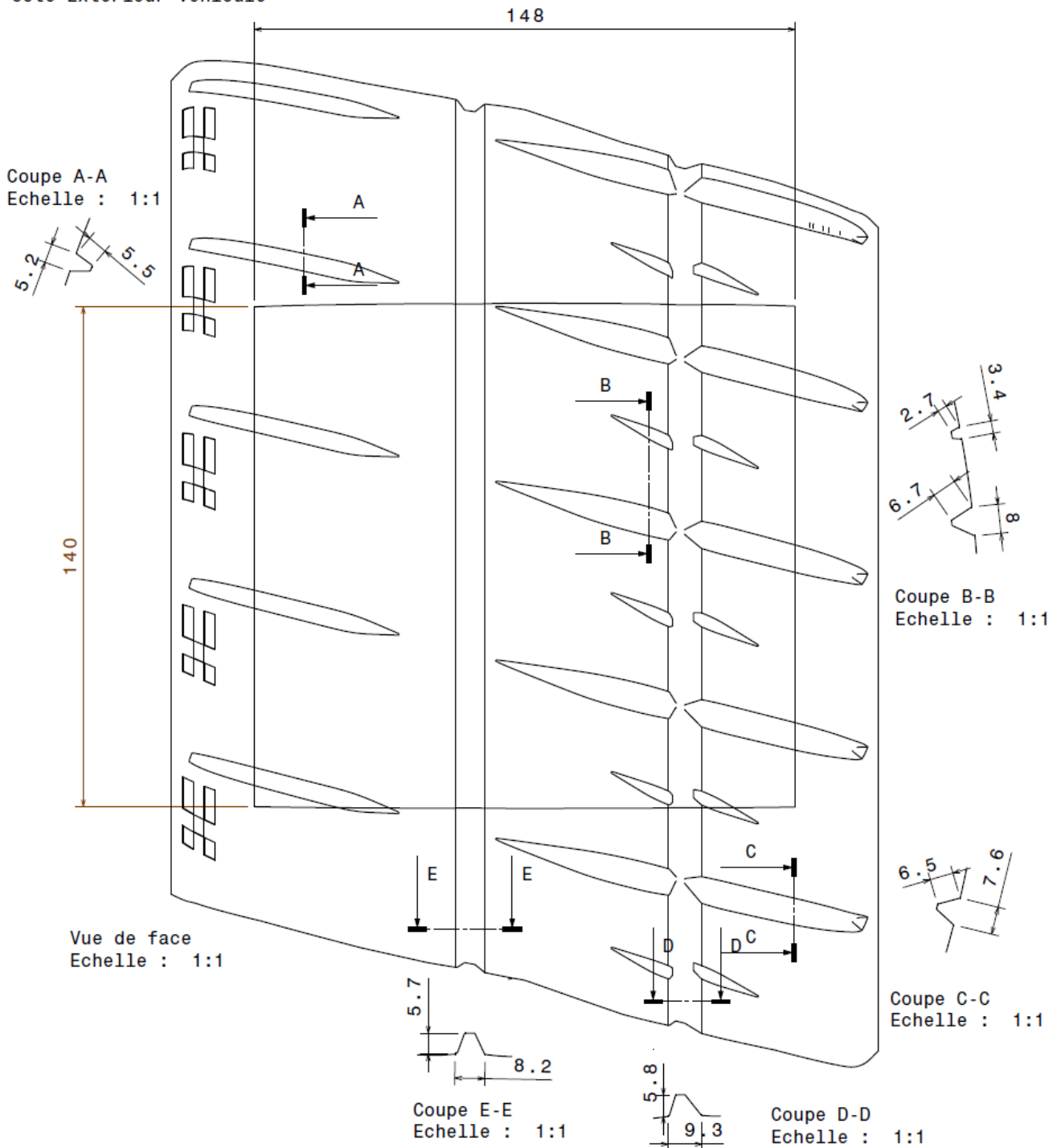
Domaine : Rallye Asphalte  
Dimension : 19 / 63 - 17  
Plan de la sculpture : Pilot Sport Pro Rally  
Entaillement Surfaccique dans fenetre  
reglementaire : 21.7 %



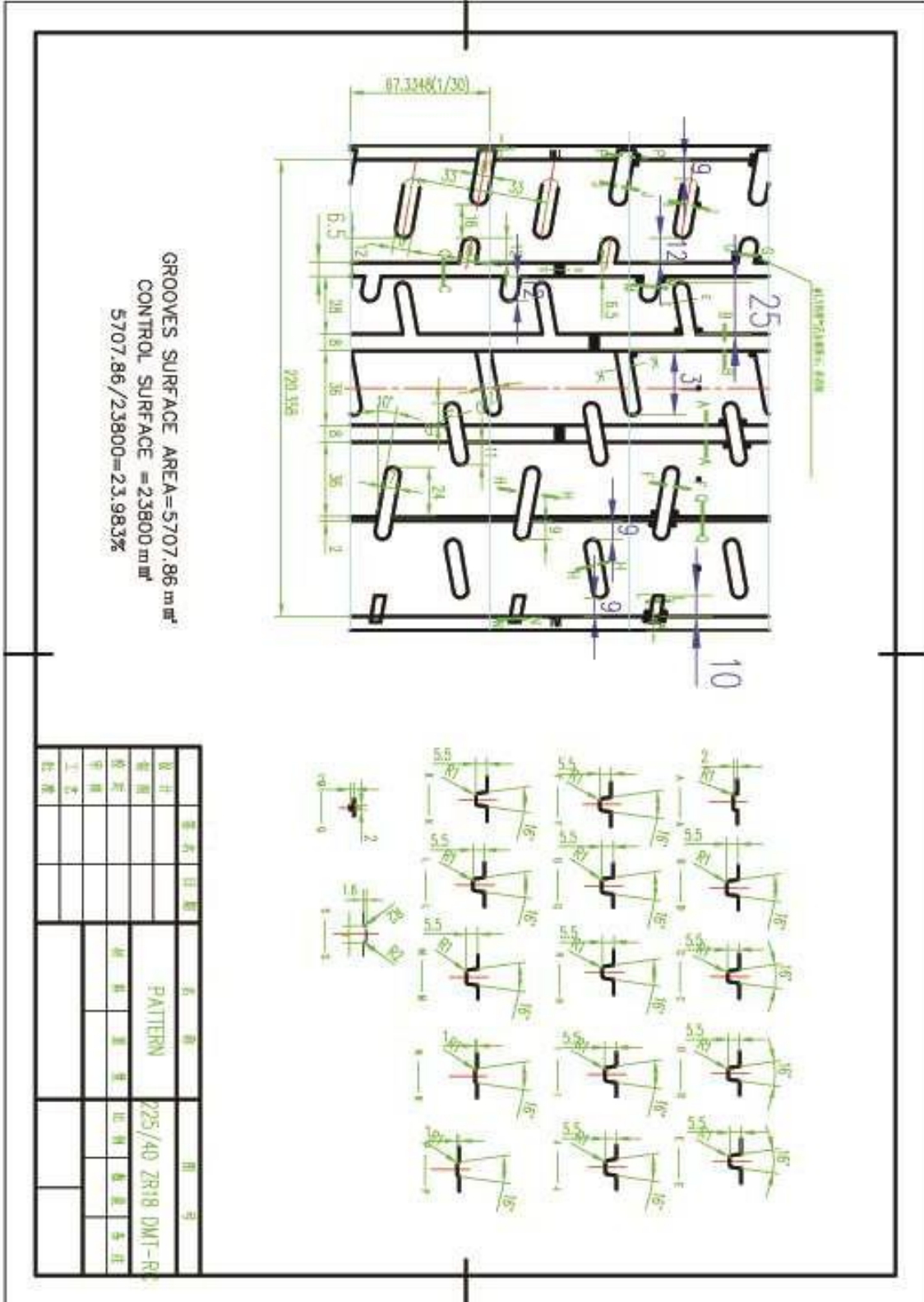
Clermont-Ferrand le 04/04/2023

Côté Extérieur véhicule

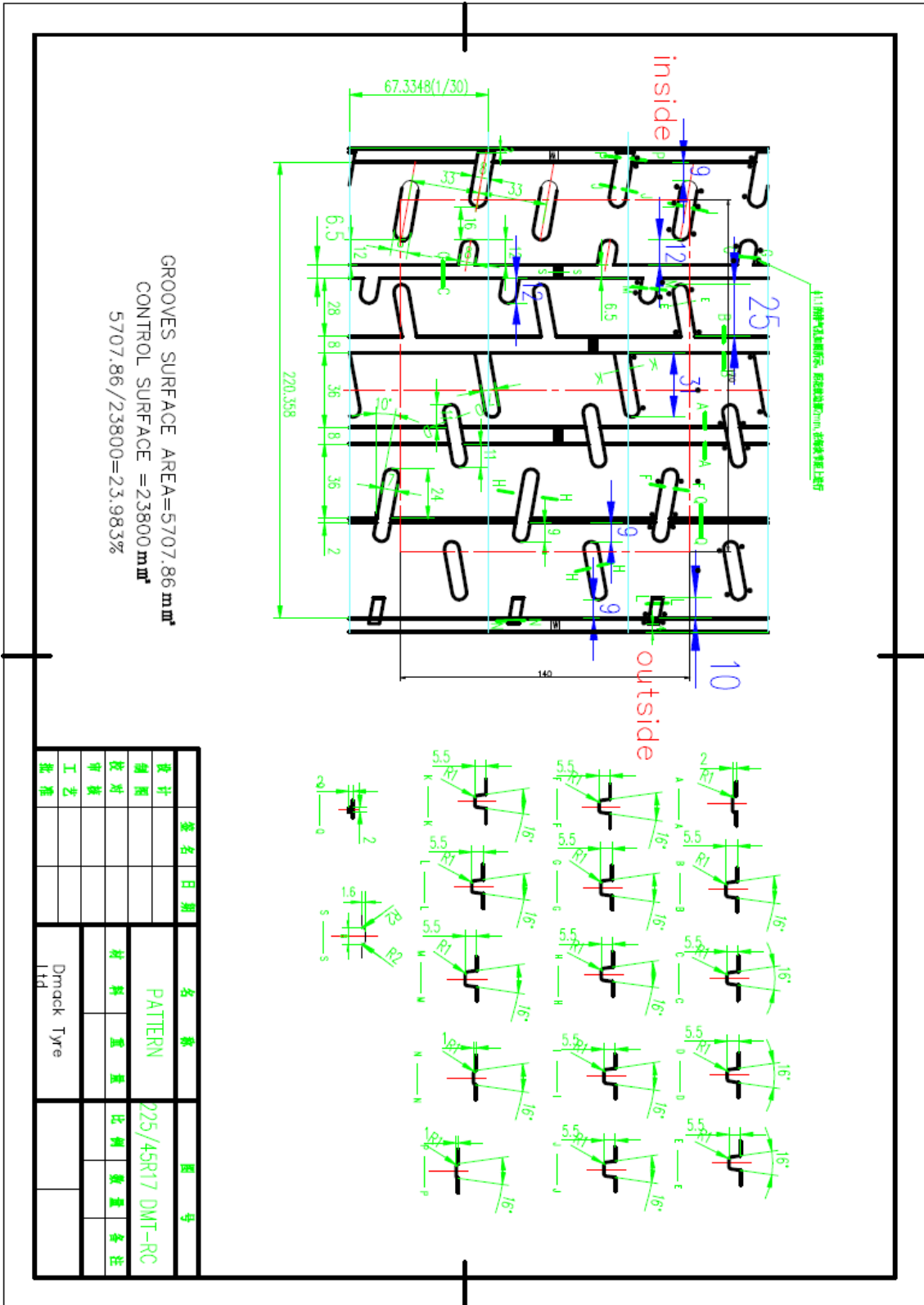
Côté Intérieur véhicule



# 18"-225/40-18

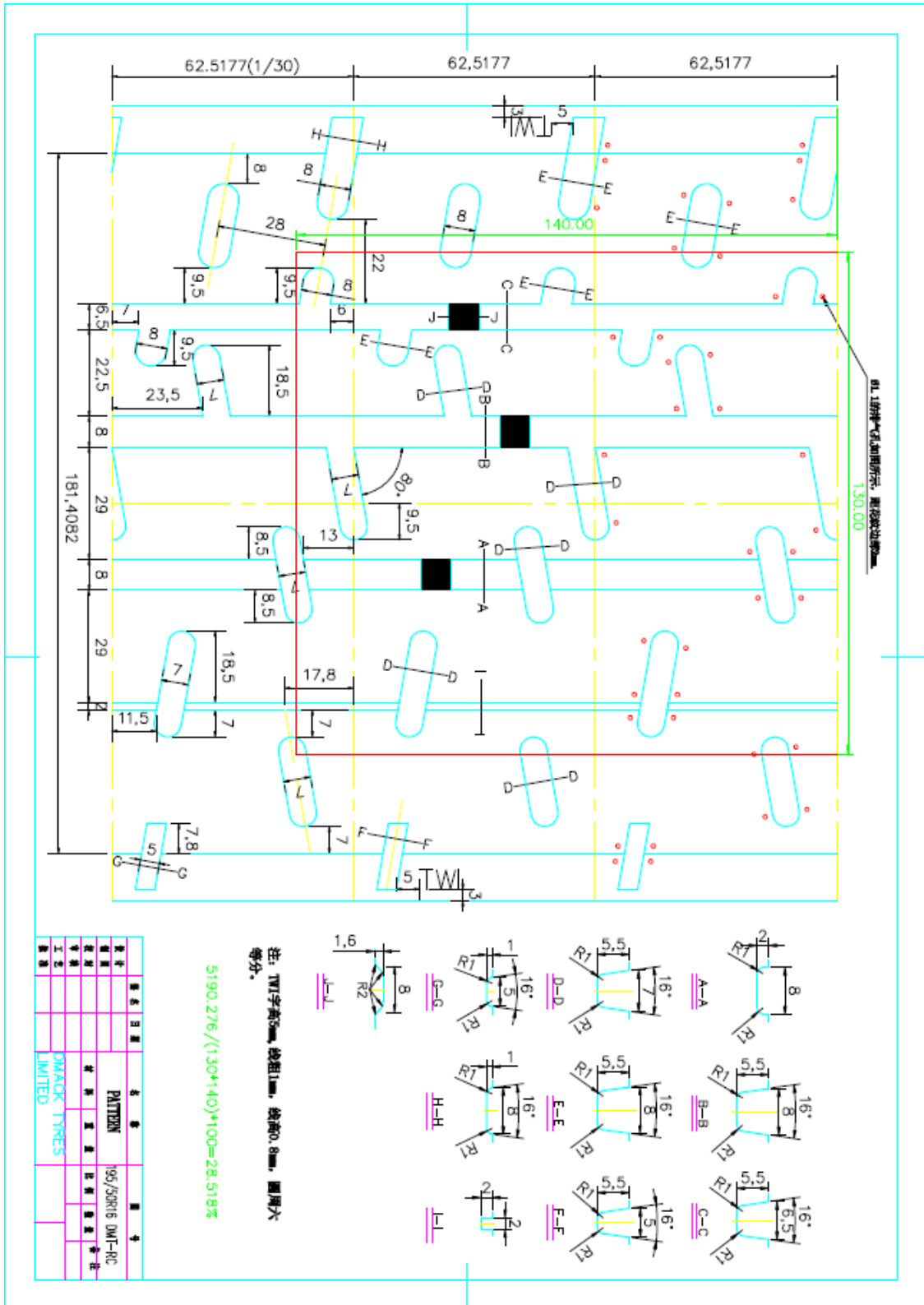


# 18"-225/45-18

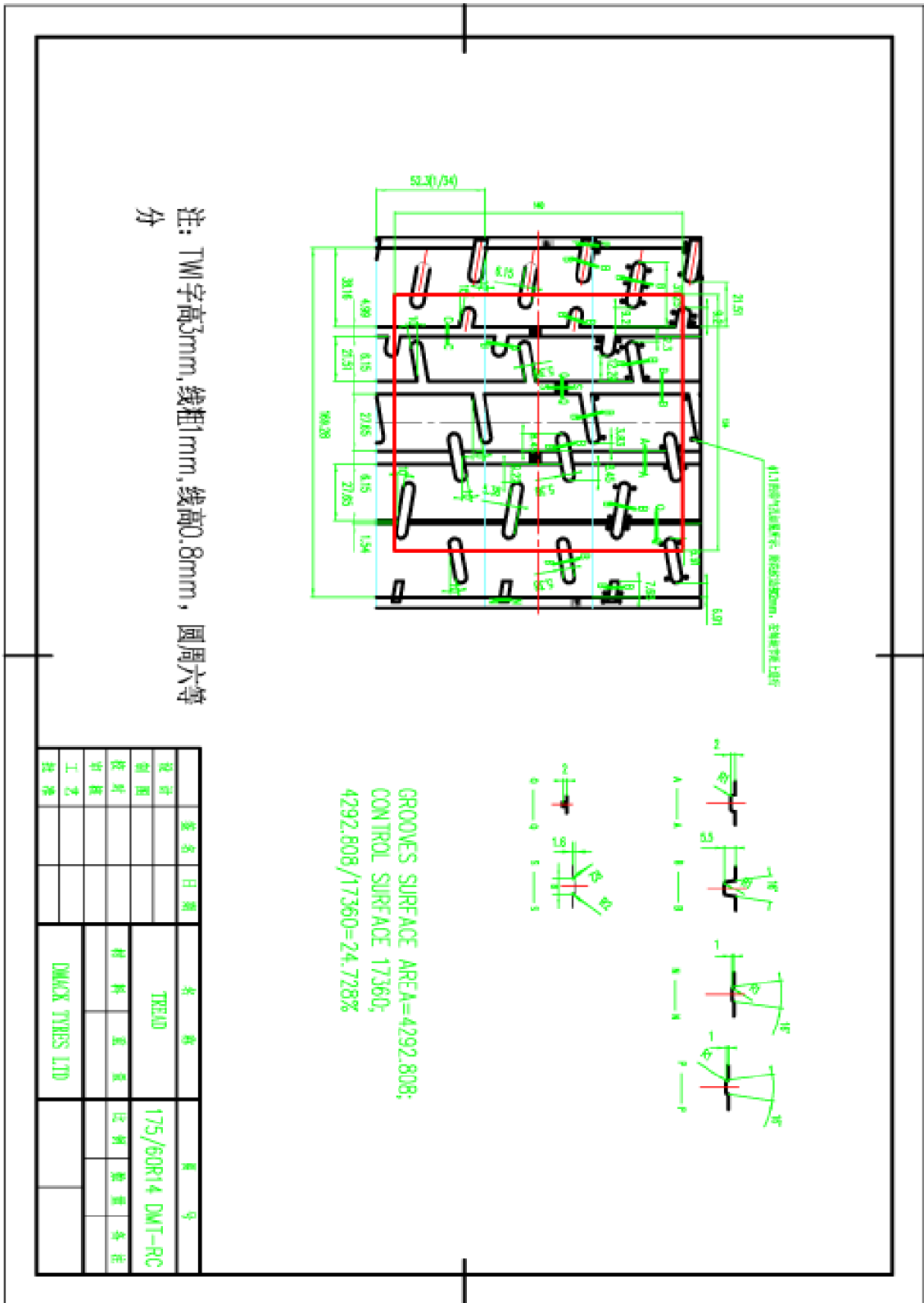




# 16"-195/50-16

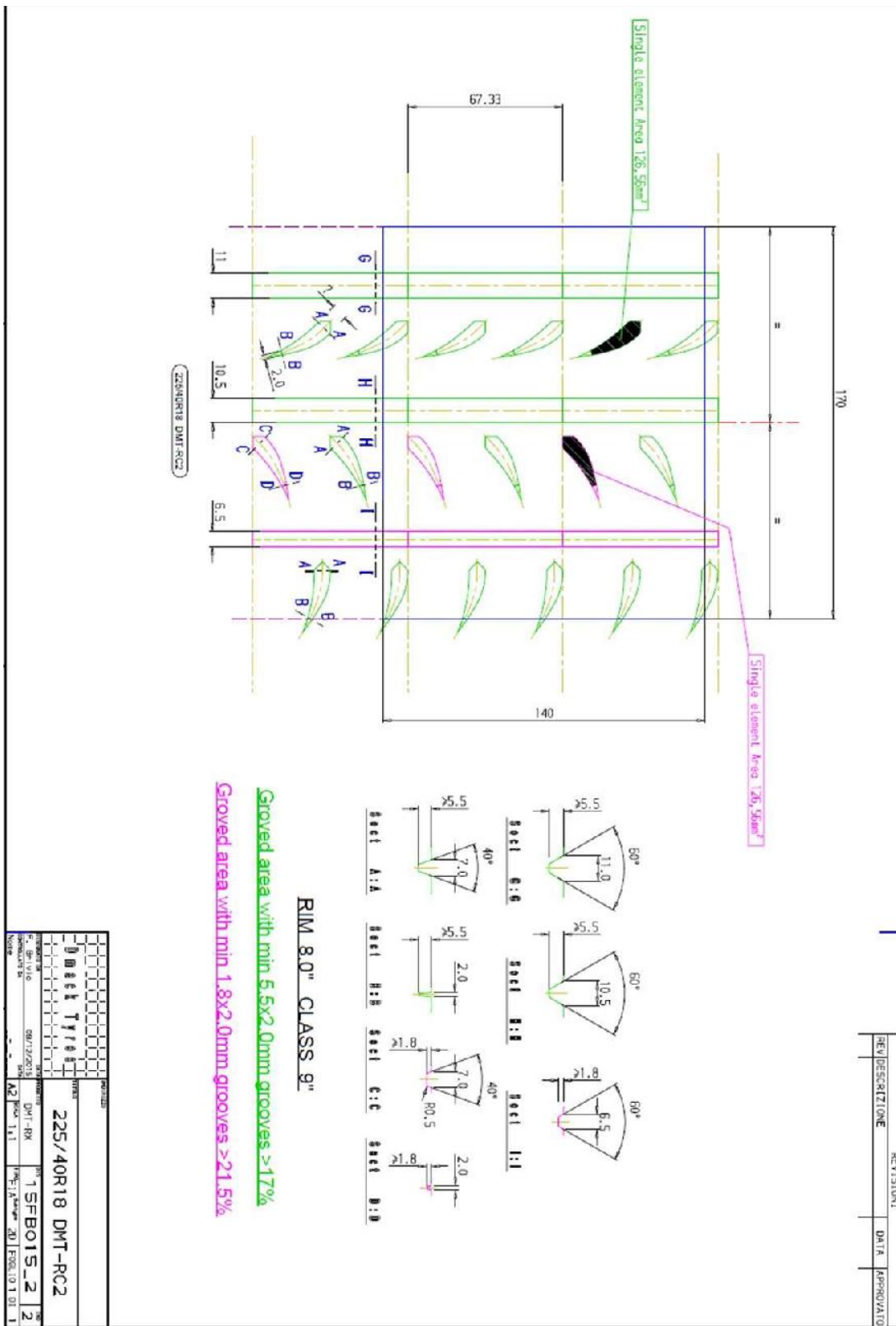




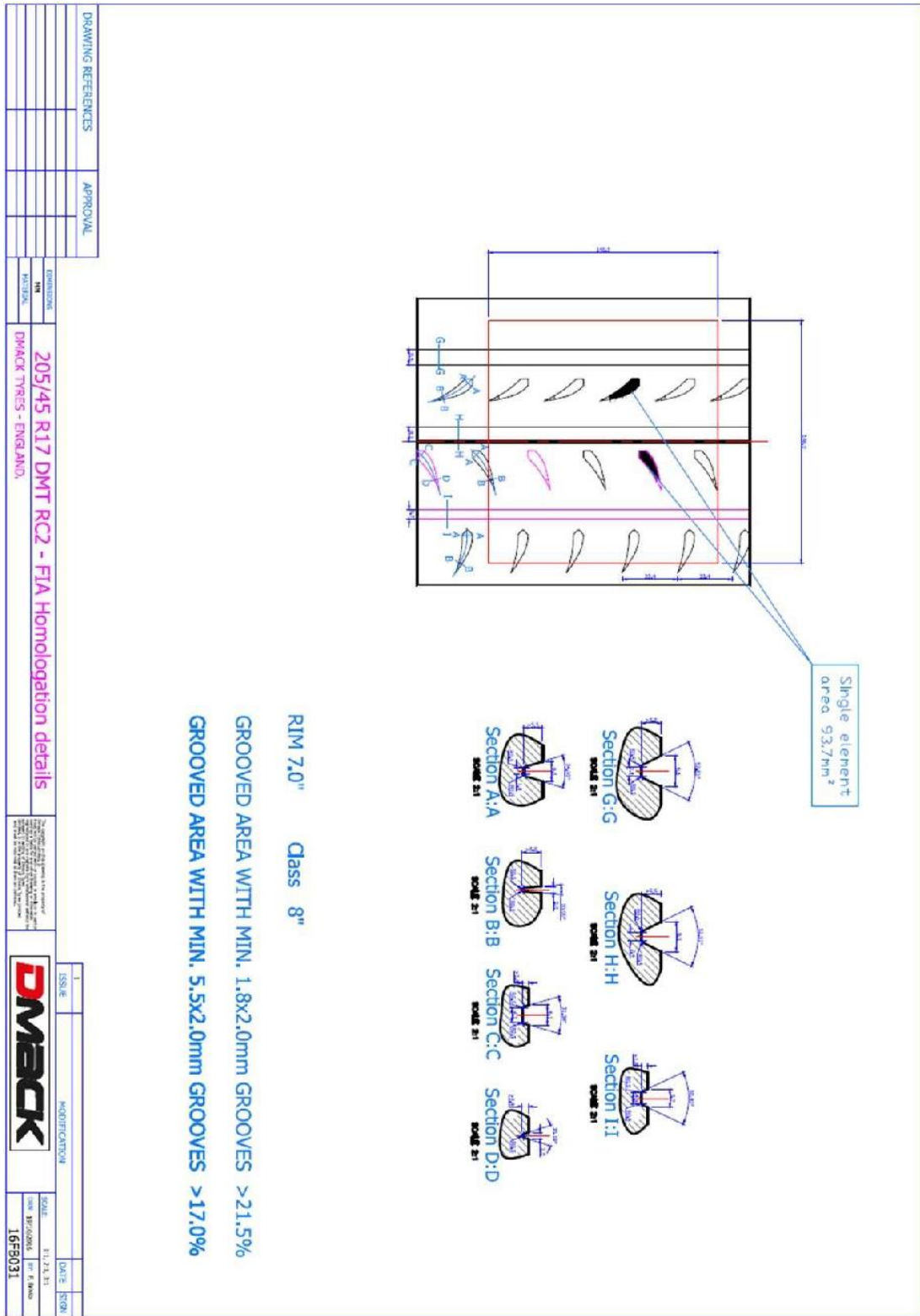




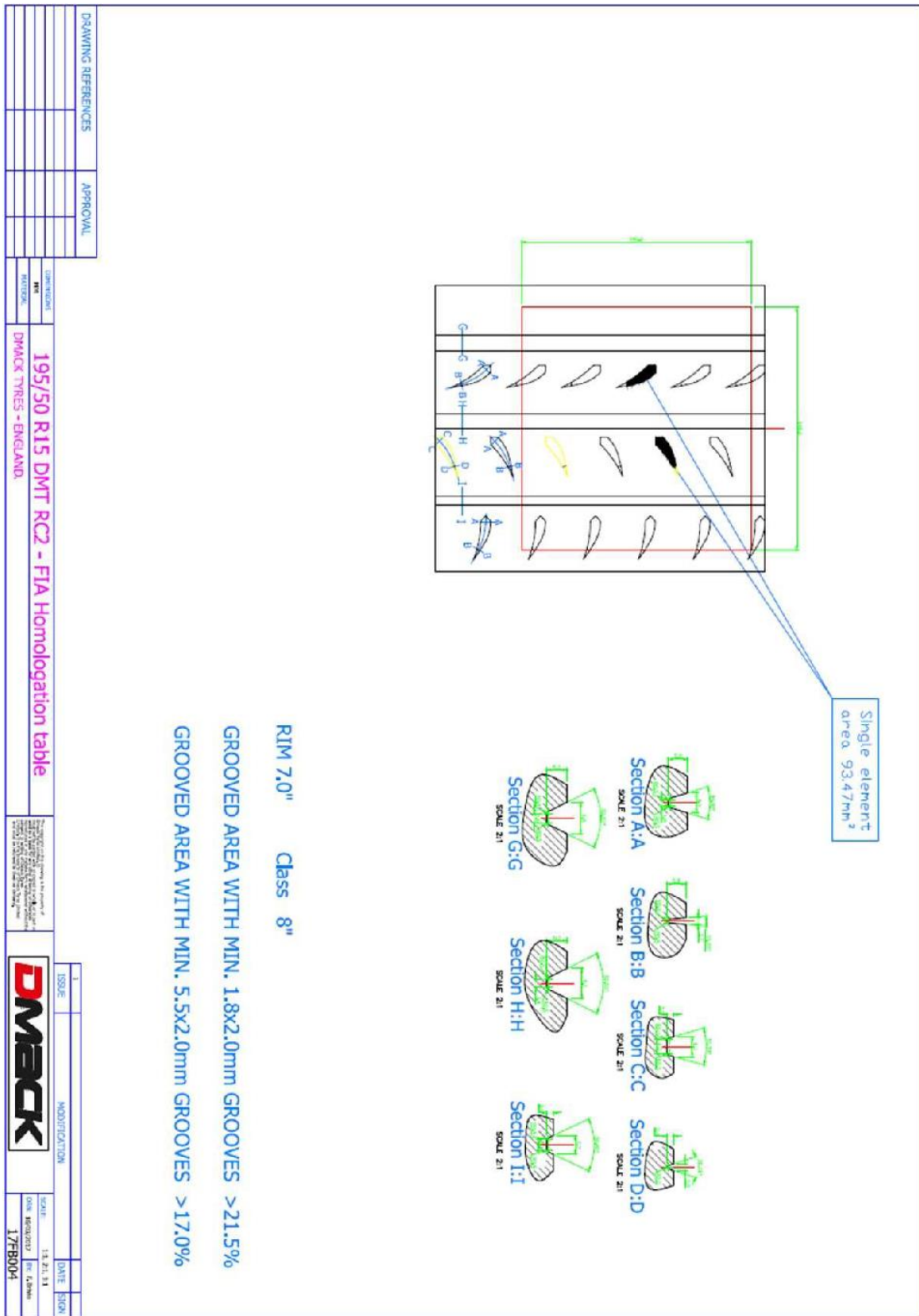
18"-225/40-18







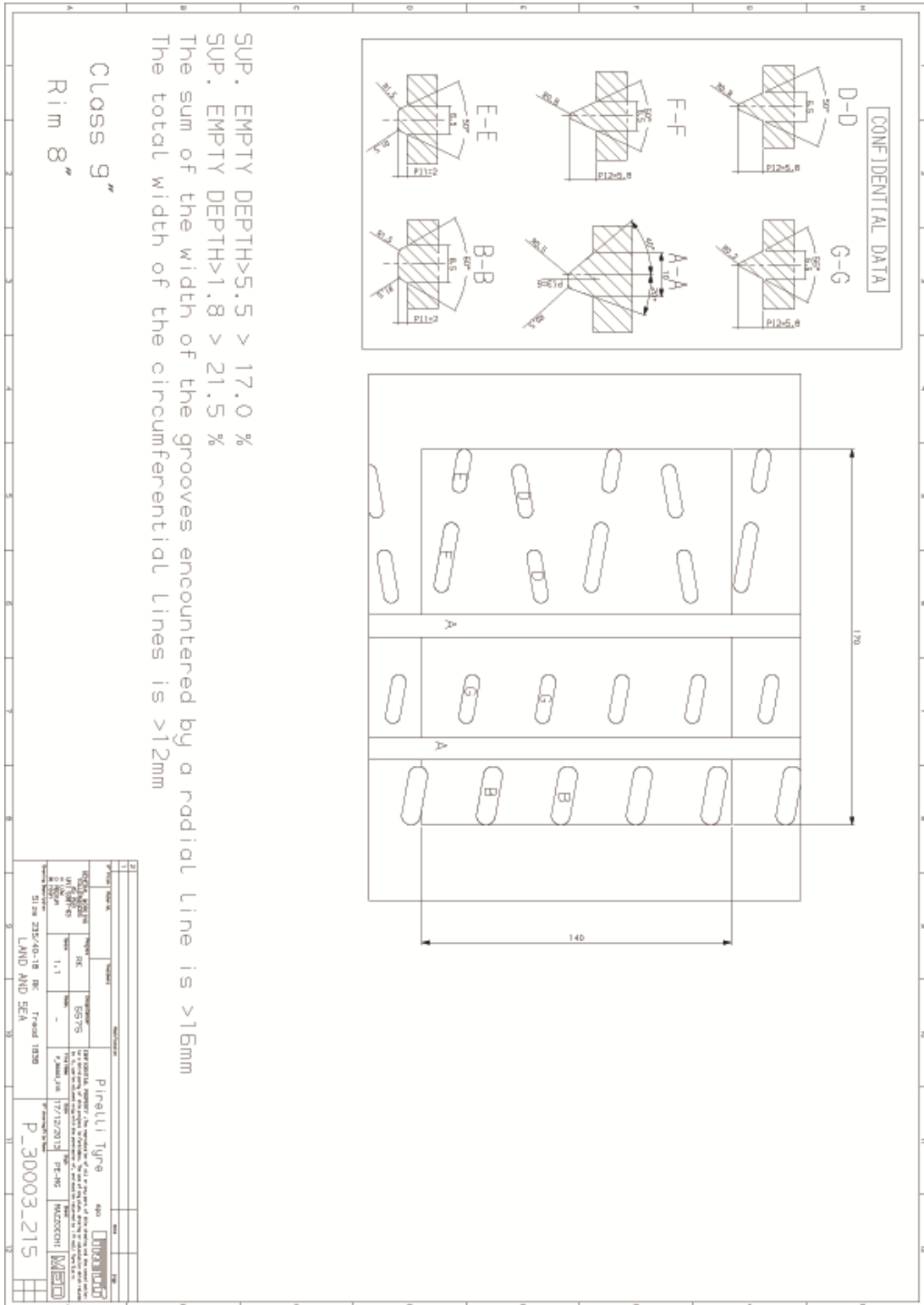




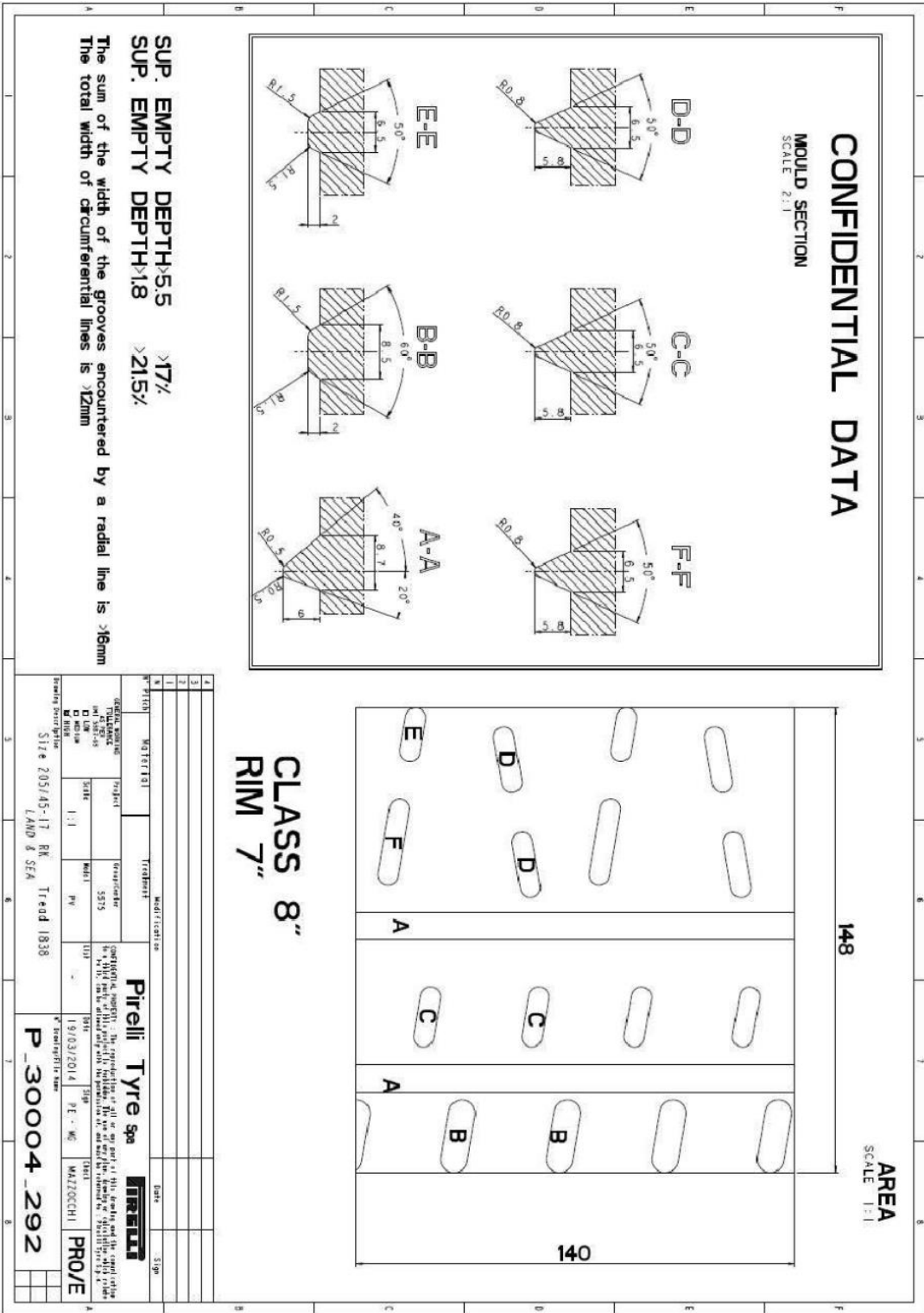




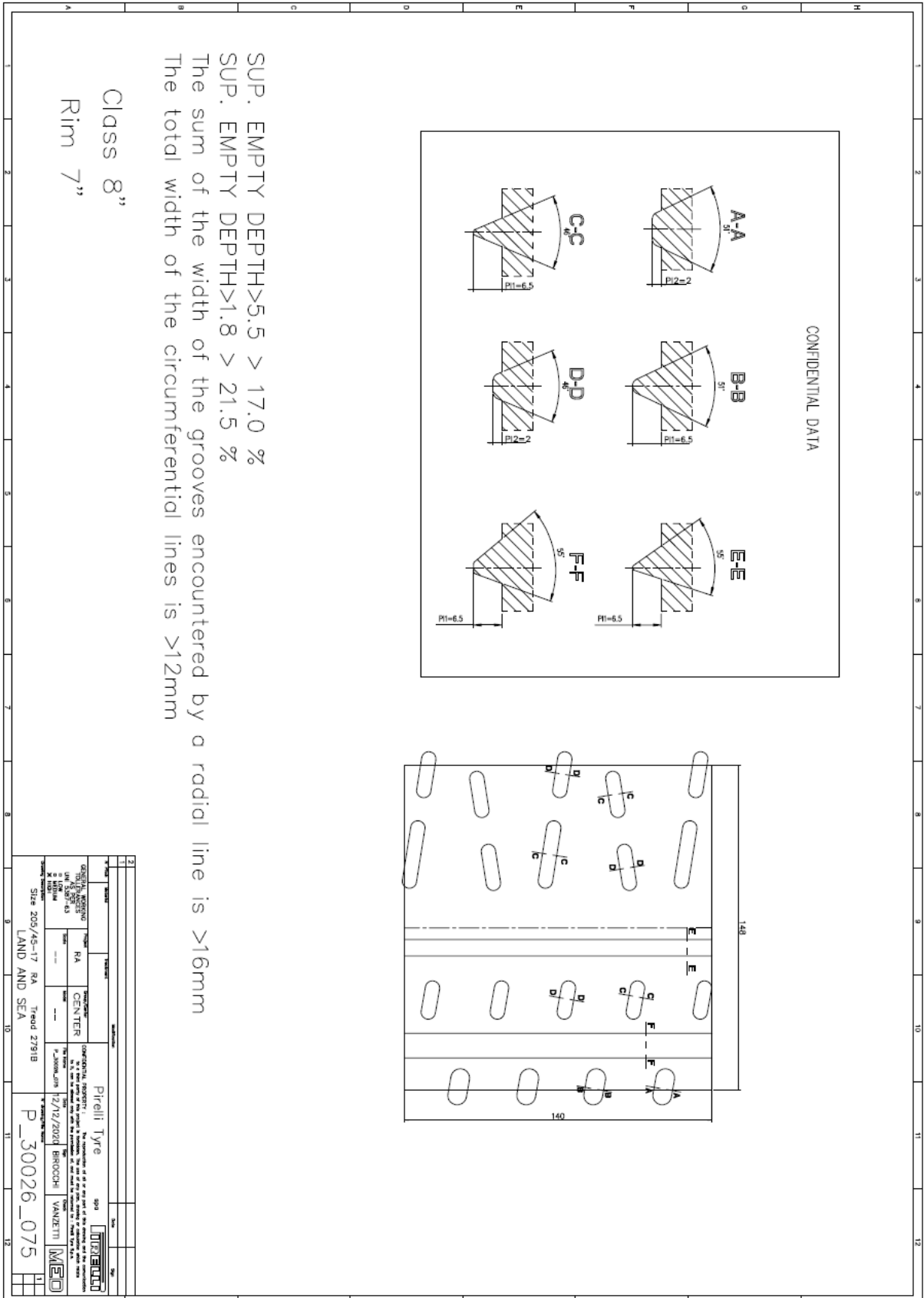
# 18"-235/40-18



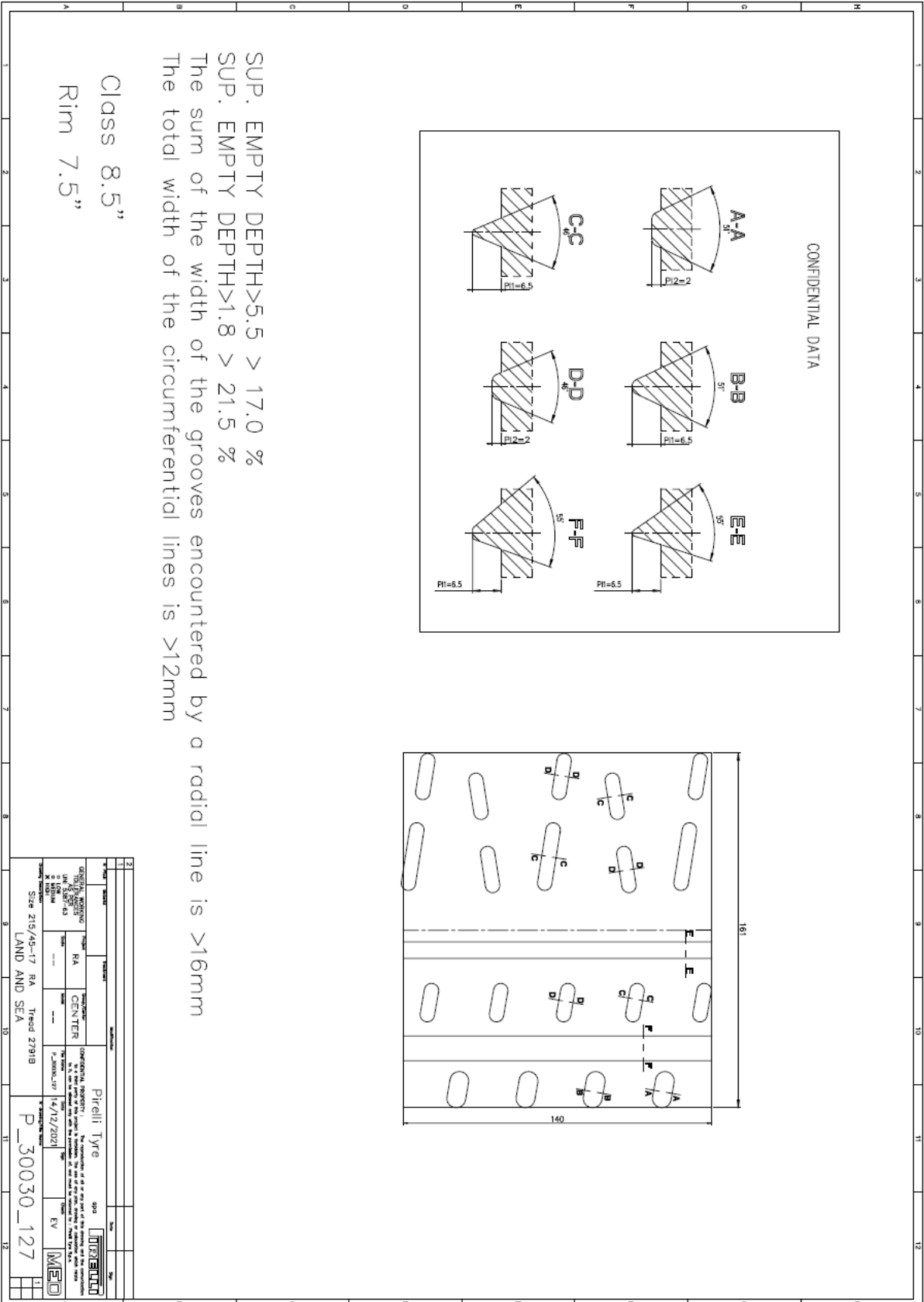




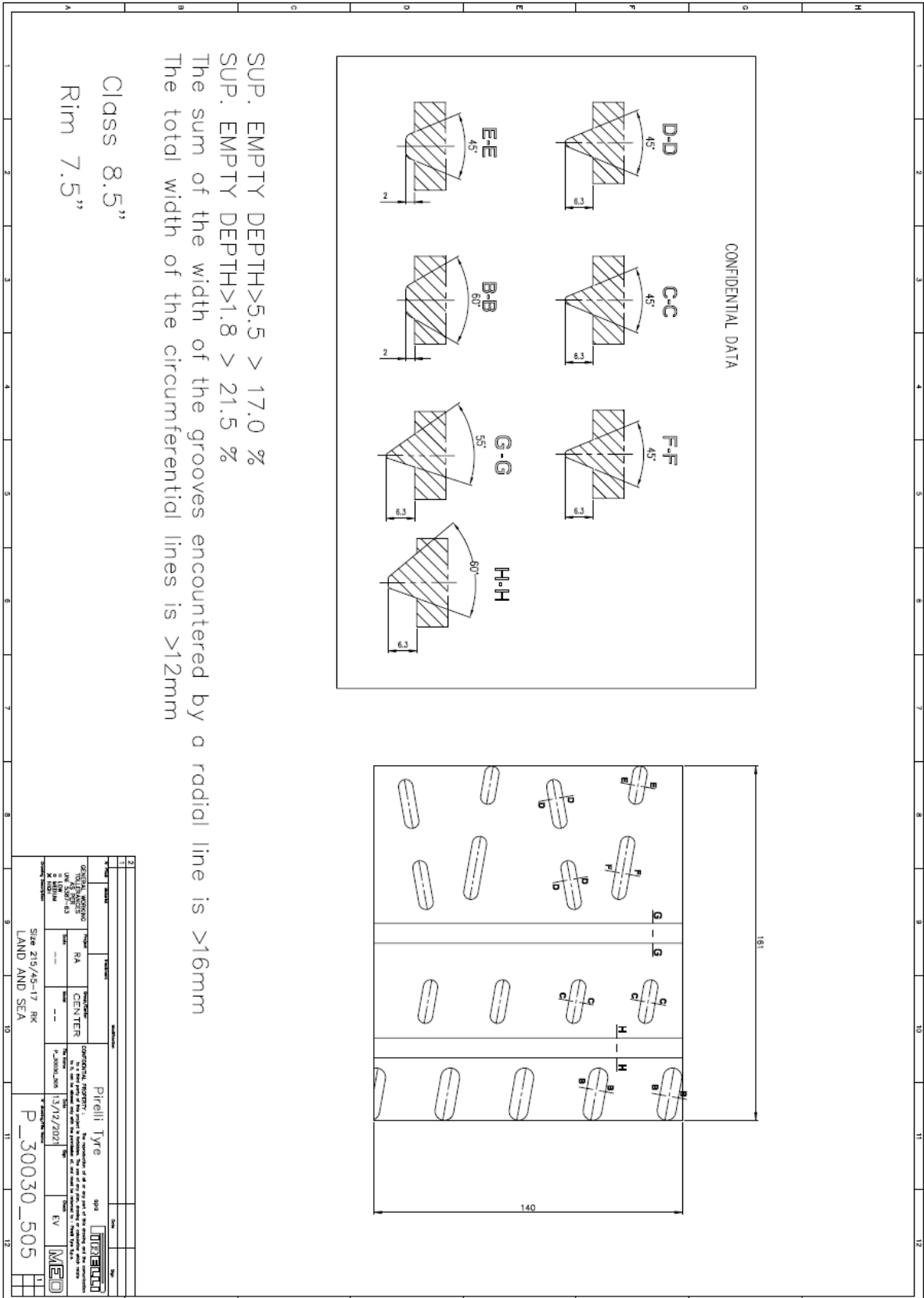
# 17"-205/45-17

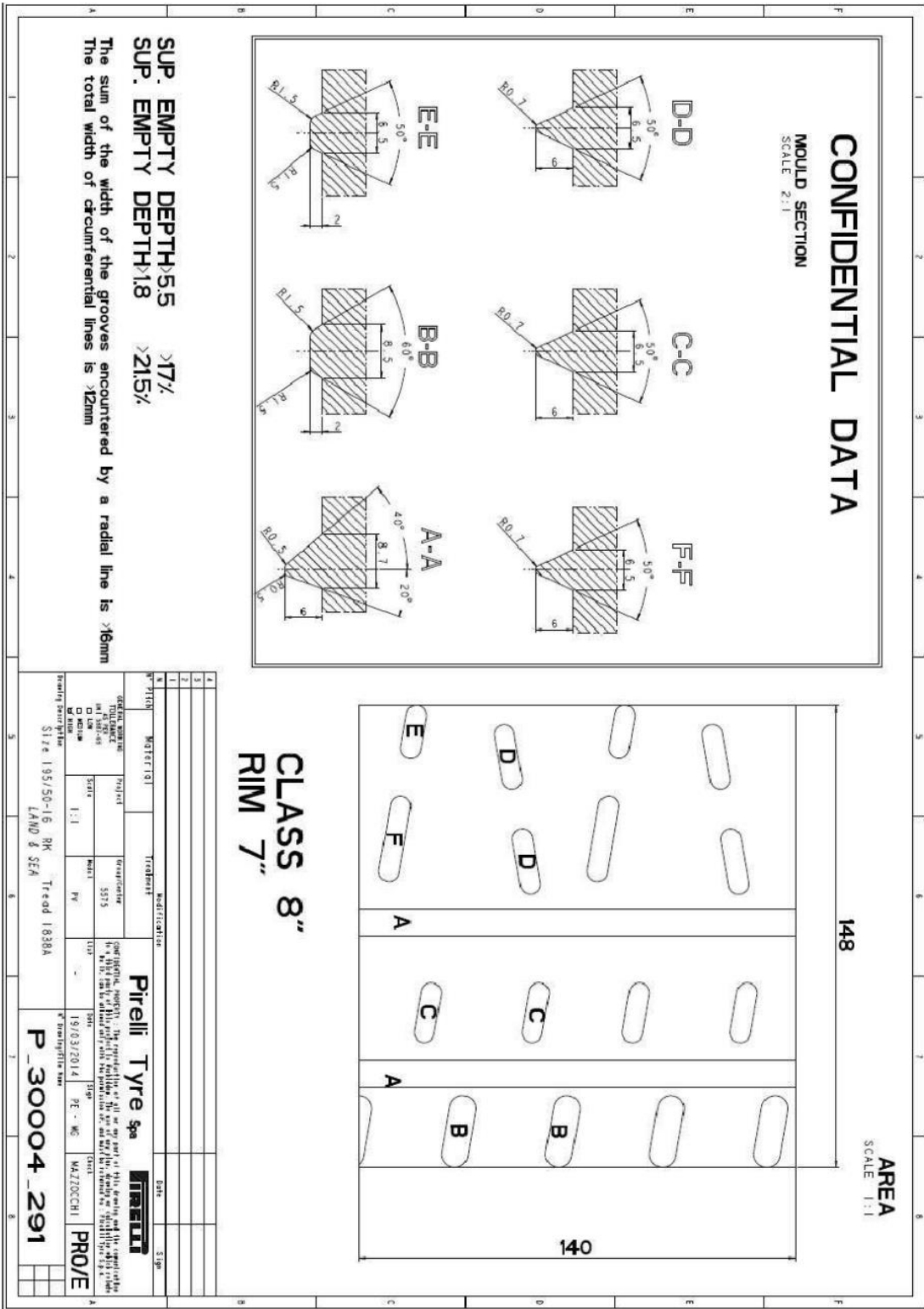


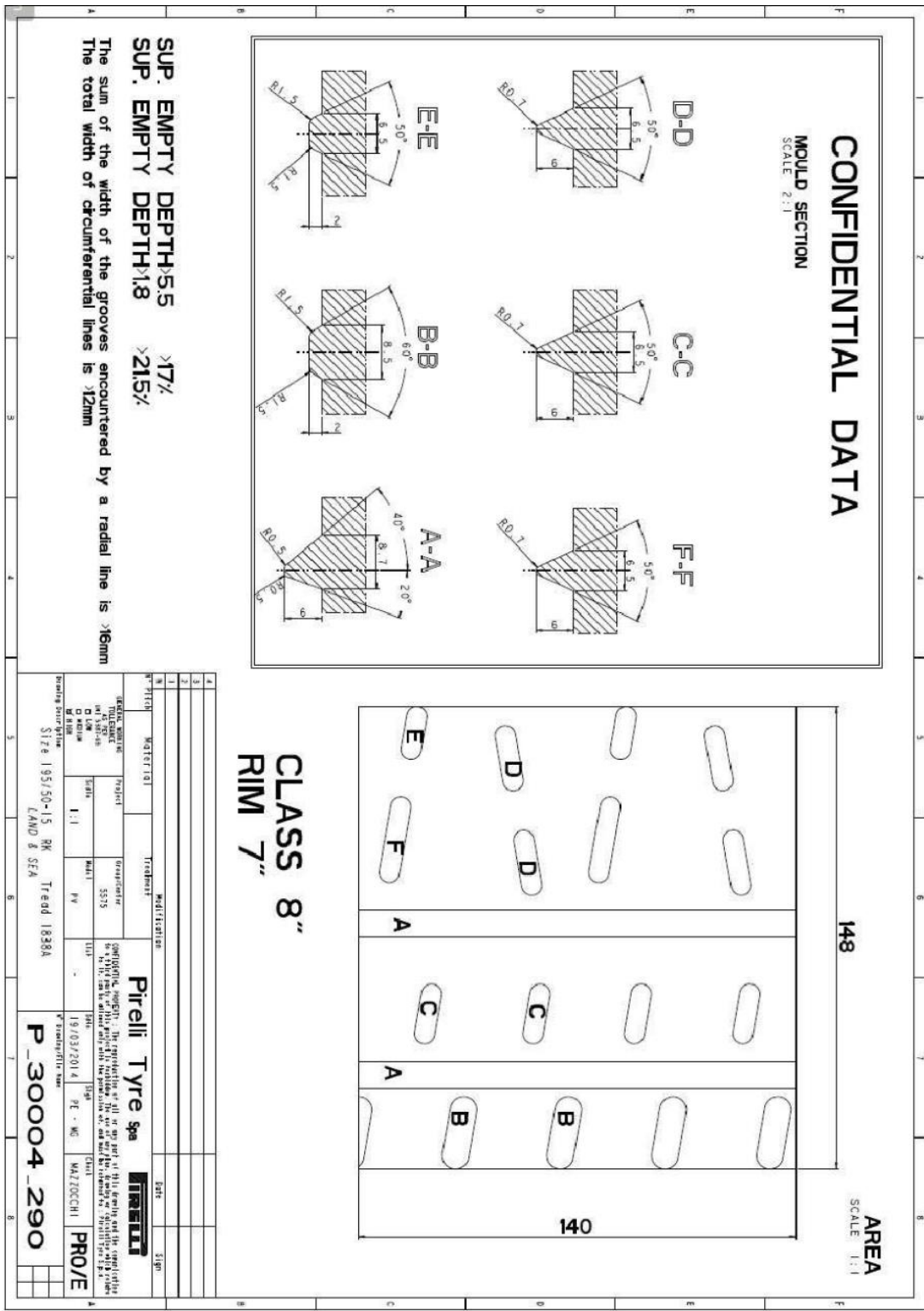
# 17"-215/45-17



# 17"-215/45-17

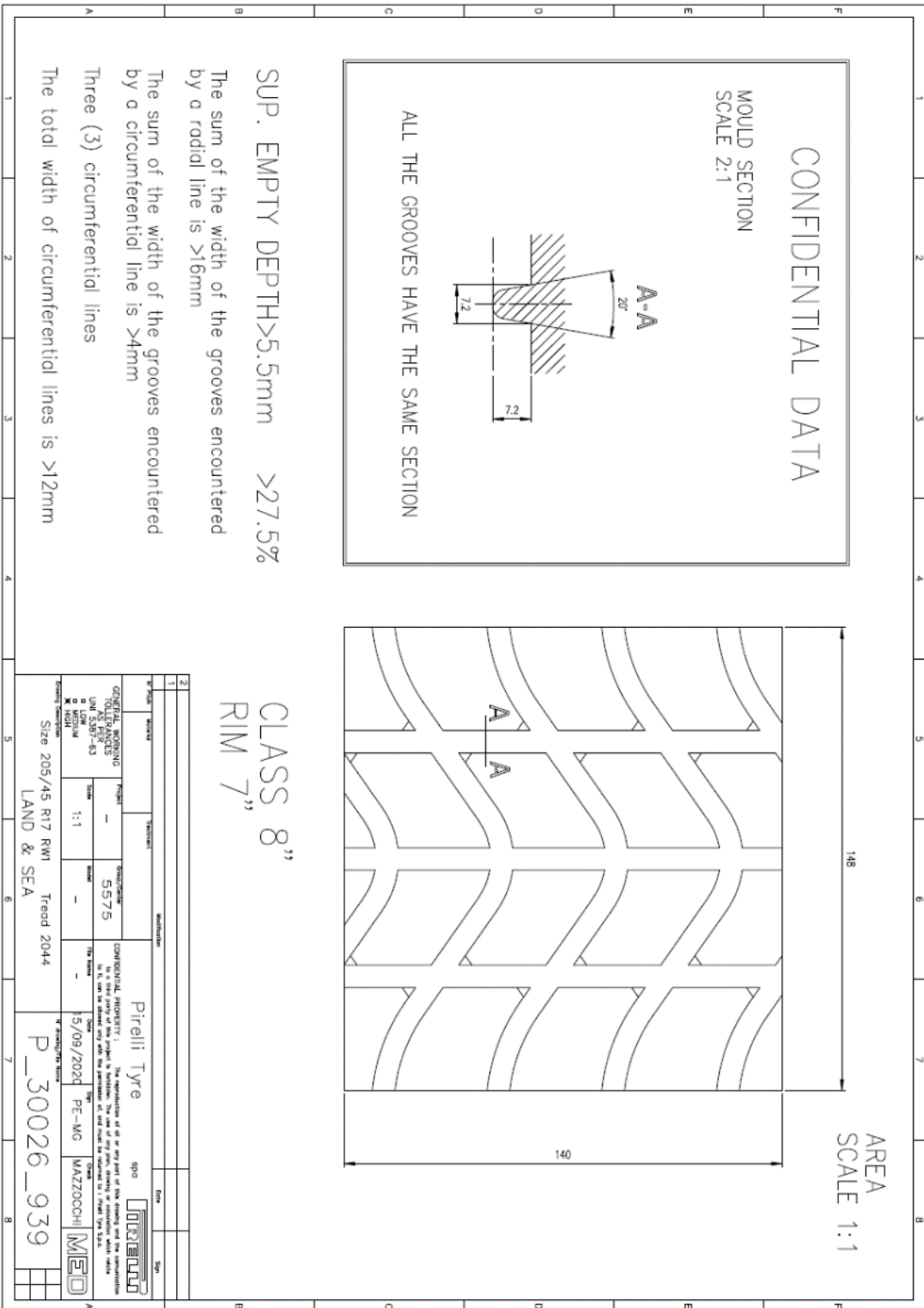




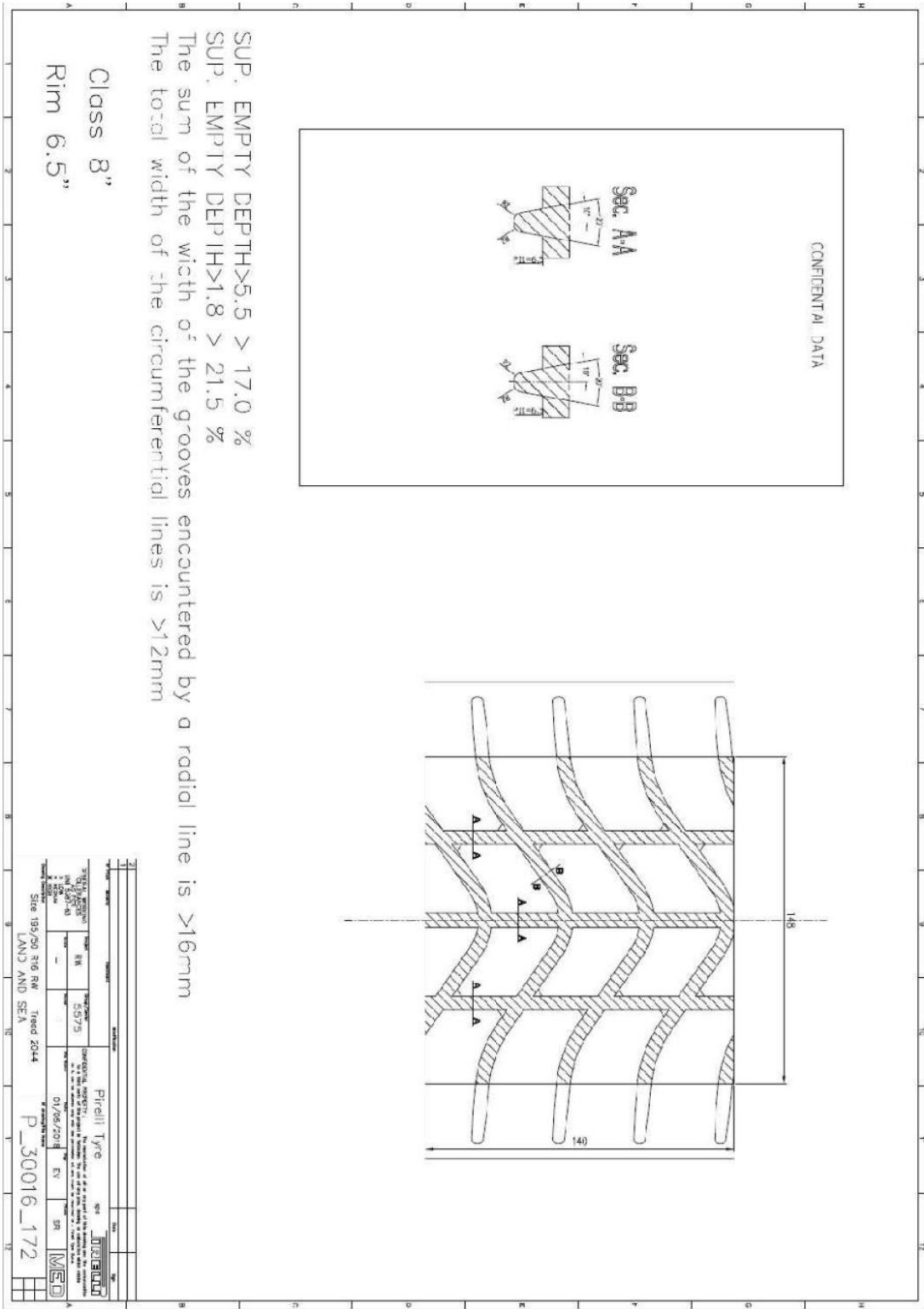


SUP. EMPTY DEPTH>5.5 >17%  
 SUP. EMPTY DEPTH>1.8 >215%  
 The sum of the width of the grooves encountered by a radial line is >16mm  
 The total width of circumferential lines is >12mm

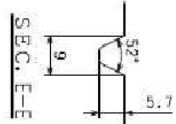
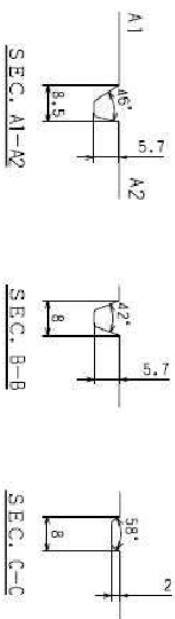
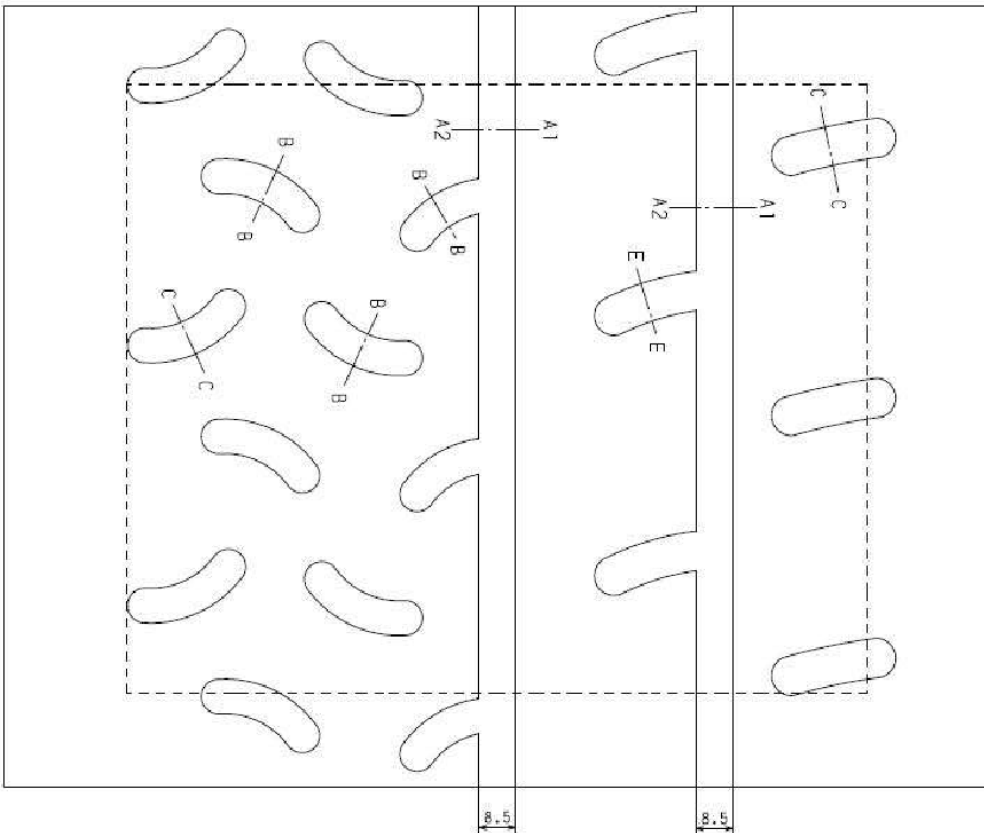








**18"-235/40-18**



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

----- Control area 170X140

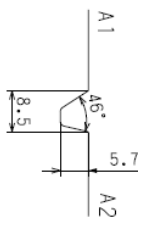
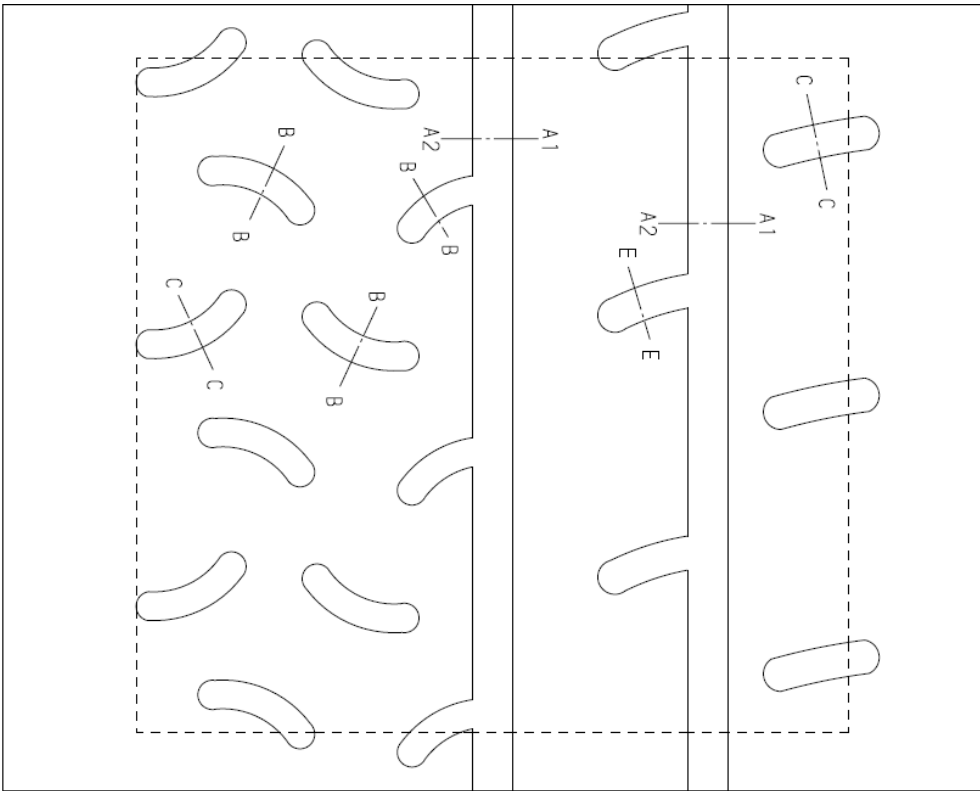
Tyre weight 9.7kg

**PRODUCT NAME**  
**YOKOHAMA ADVAN A051T**

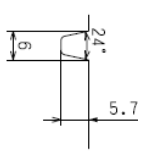
**PATTERN NAME**  
**A051A**

**SIZE 210/65DR18**

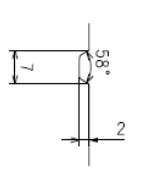
**17"-190/625-17**



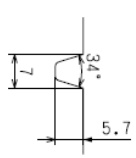
SEC. A1-A2



SEC. B-B



SEC. C-C



SEC. E-E

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

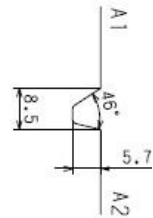
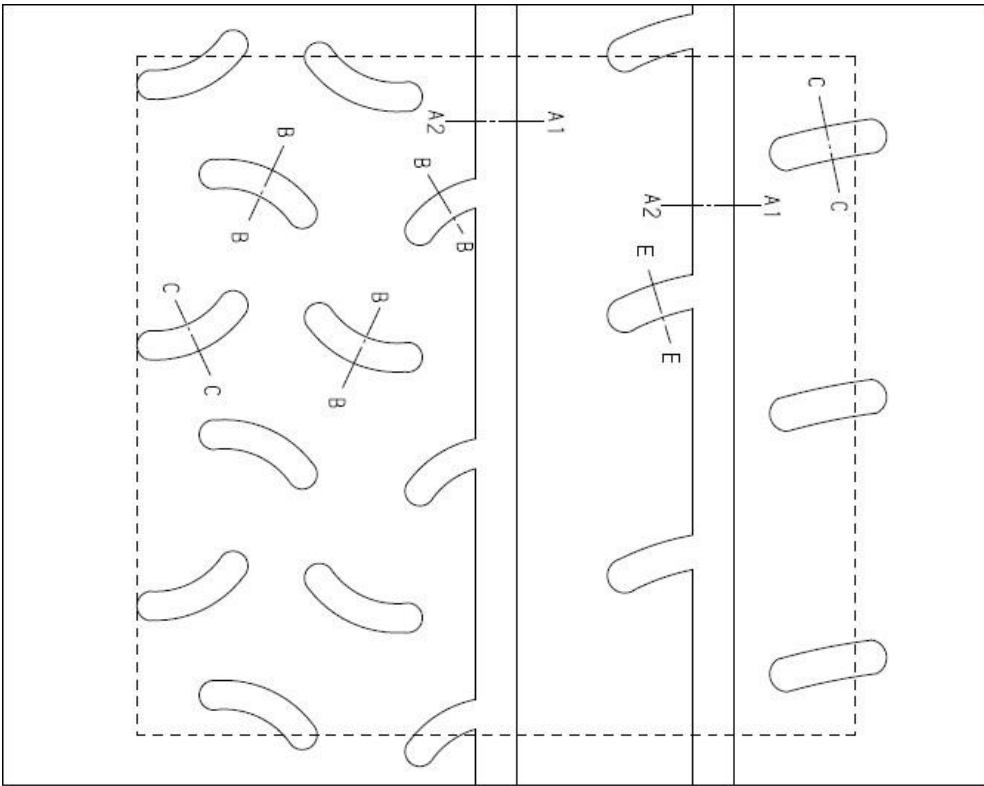
----- Control area 148X140

**PRODUCT NAME**  
**YOKOHAMA ADVAN A051T**

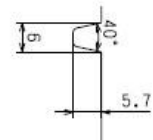
**PATTERN NAME**  
**A051A**

**SIZE 190/625R17**

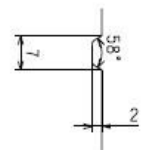
**17"-210/625-17**



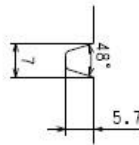
SEC. A1-A2



SEC. B-B



SEC. C-C



SEC. E-E

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

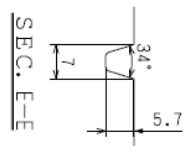
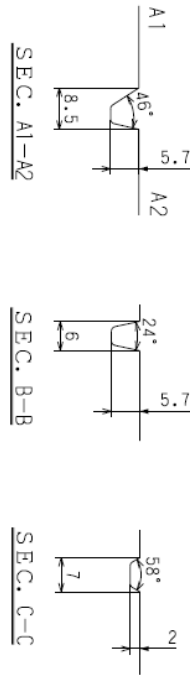
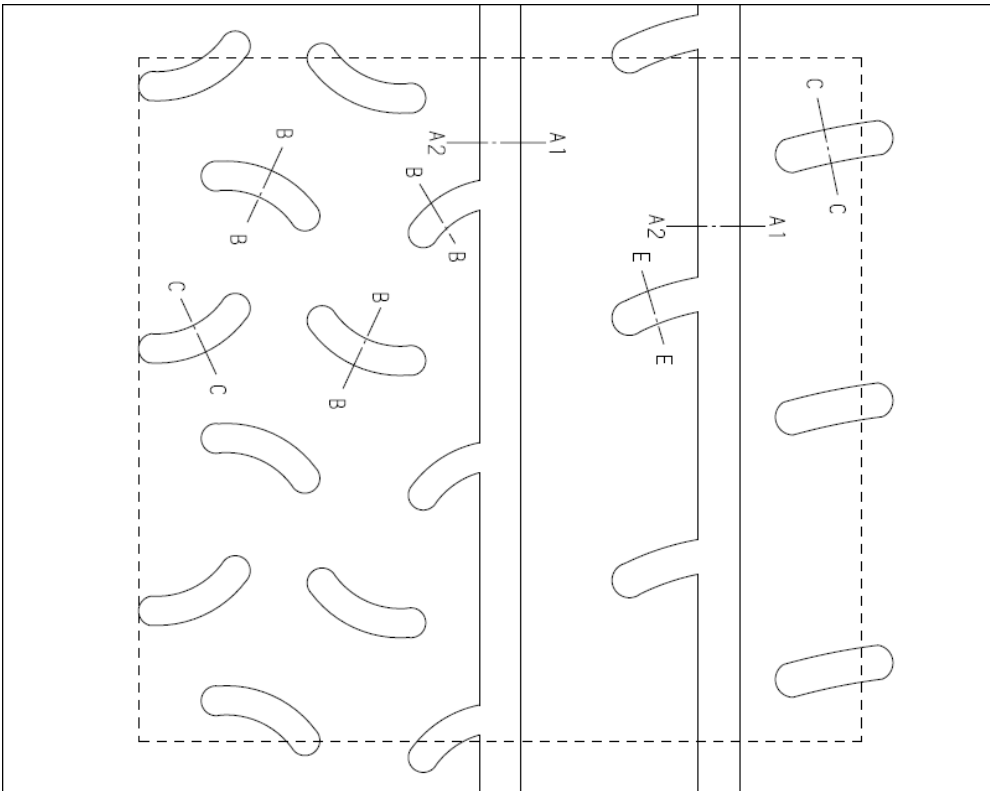
----- Control area 170X140

**PRODUCT NAME**  
**YOKOHAMA ADVAN A051T**

**PATTERN NAME**  
**A051A**

**SIZE 210/625R17**

**16"-190/600-16**



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

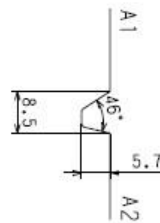
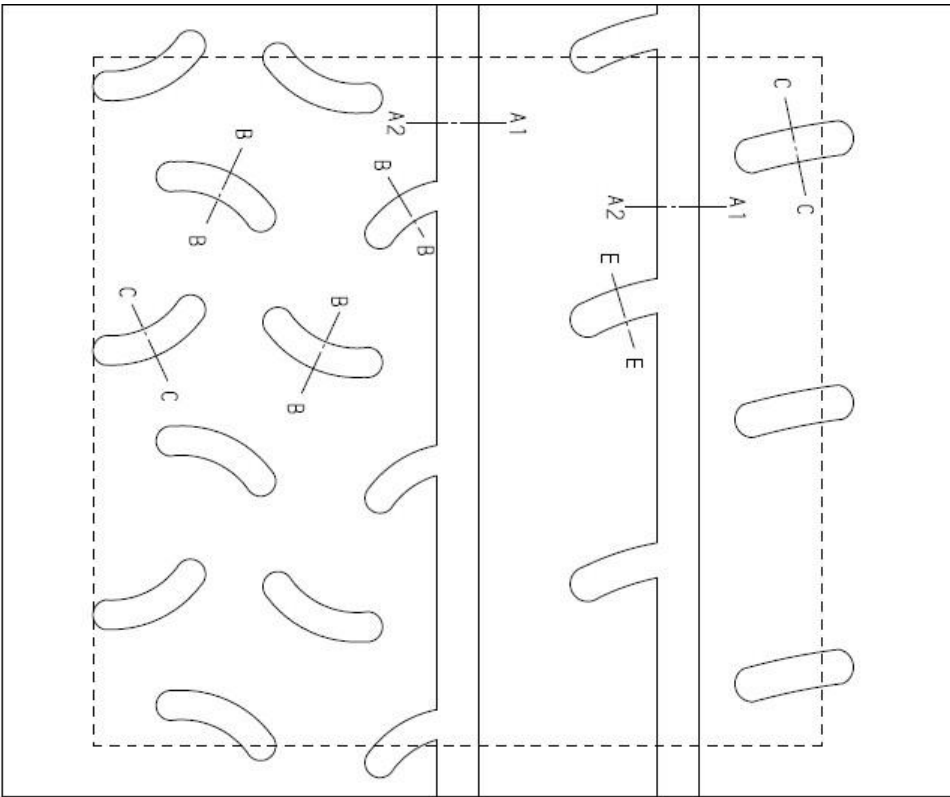
----- Control area 148X140

**PRODUCT NAME**  
**YOKOHAMA ADVAN A051T**

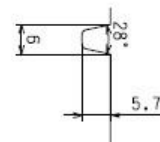
**PATTERN NAME**  
**A051A**

**SIZE 190/600R16**

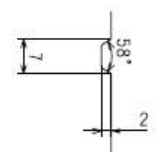
**15"-190/580-15**



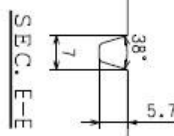
SEC. A1-A2



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

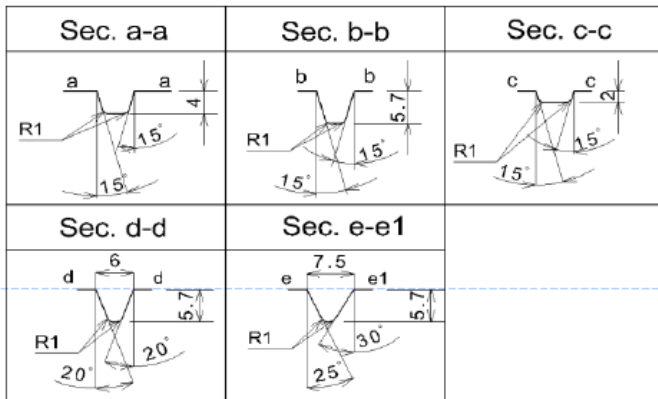
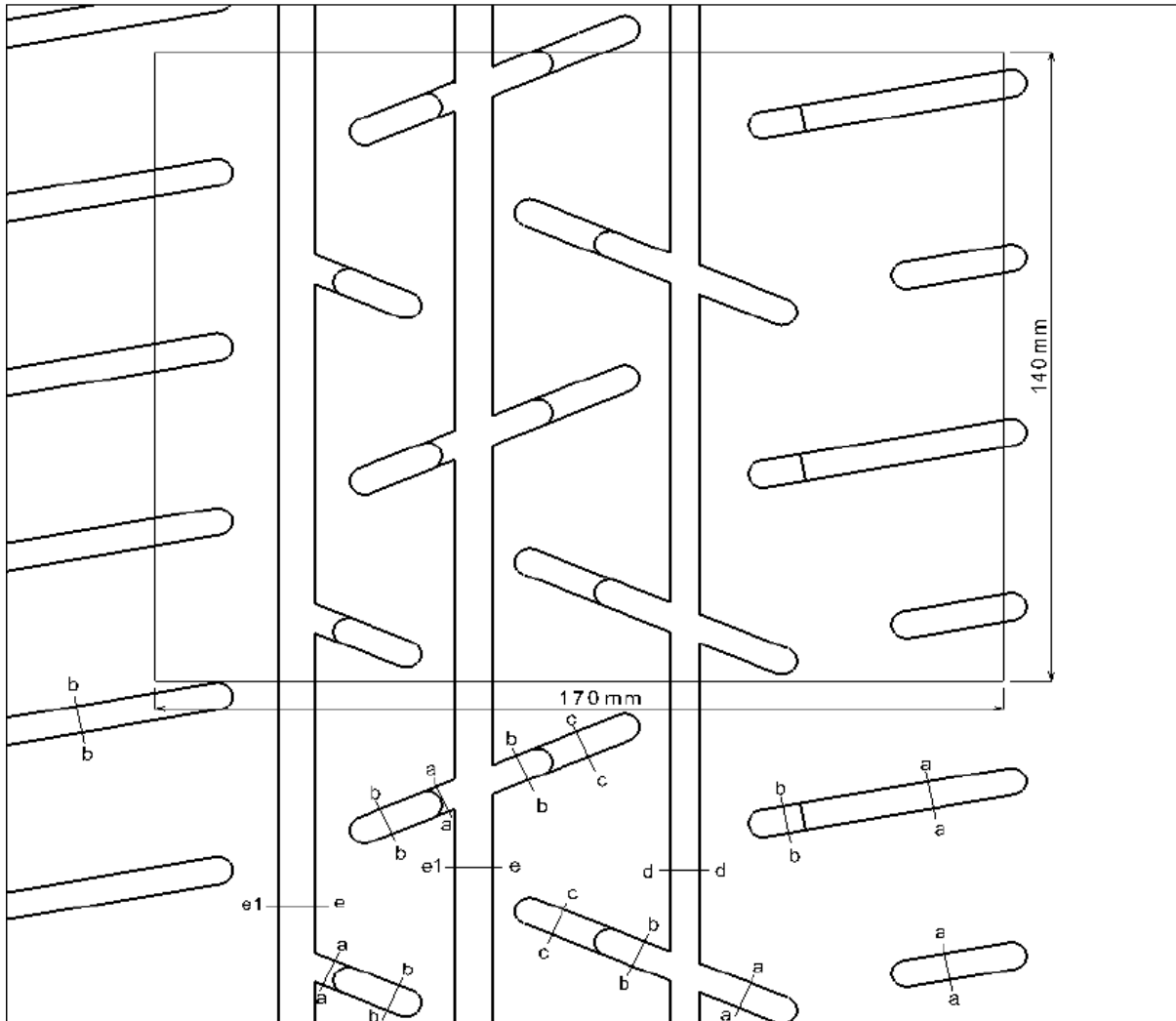
**PRODUCT NAME**  
**YOKOHAMA ADVAN AD51T**

**PATTERN NAME**  
**AD51A**

**SIZE 190/580R15**

# 18" - 210/650R18

Product : Ventus Z205



## Class 9" (Rim 8")

Empty Depth > 5.5mm : 17.07%

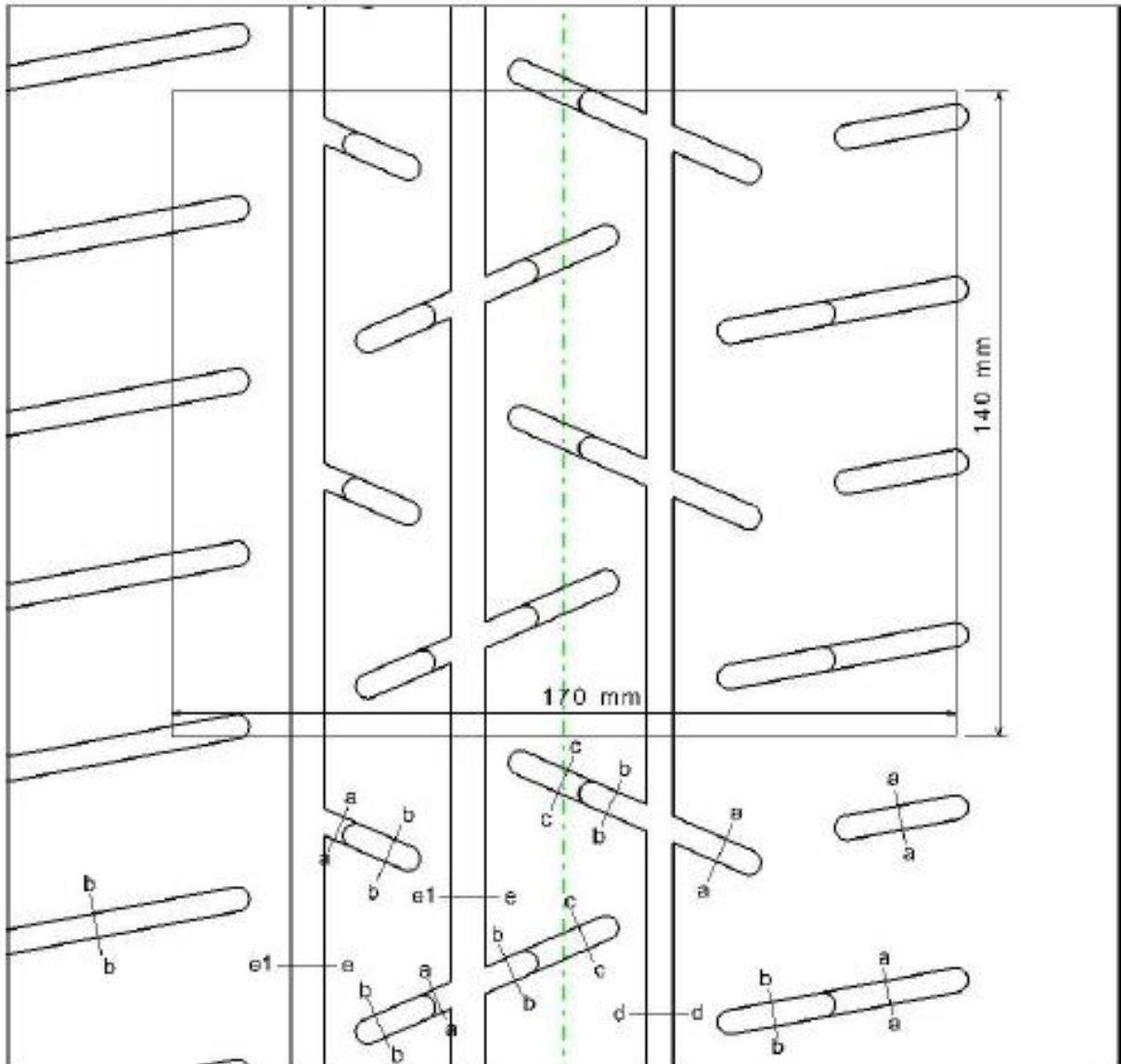
Empty Depth > 1.8mm : 23.30%

GROOVE SURFACE AREA = 554540 mm<sup>2</sup>

Control Surface = 23800 mm<sup>2</sup>

**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%

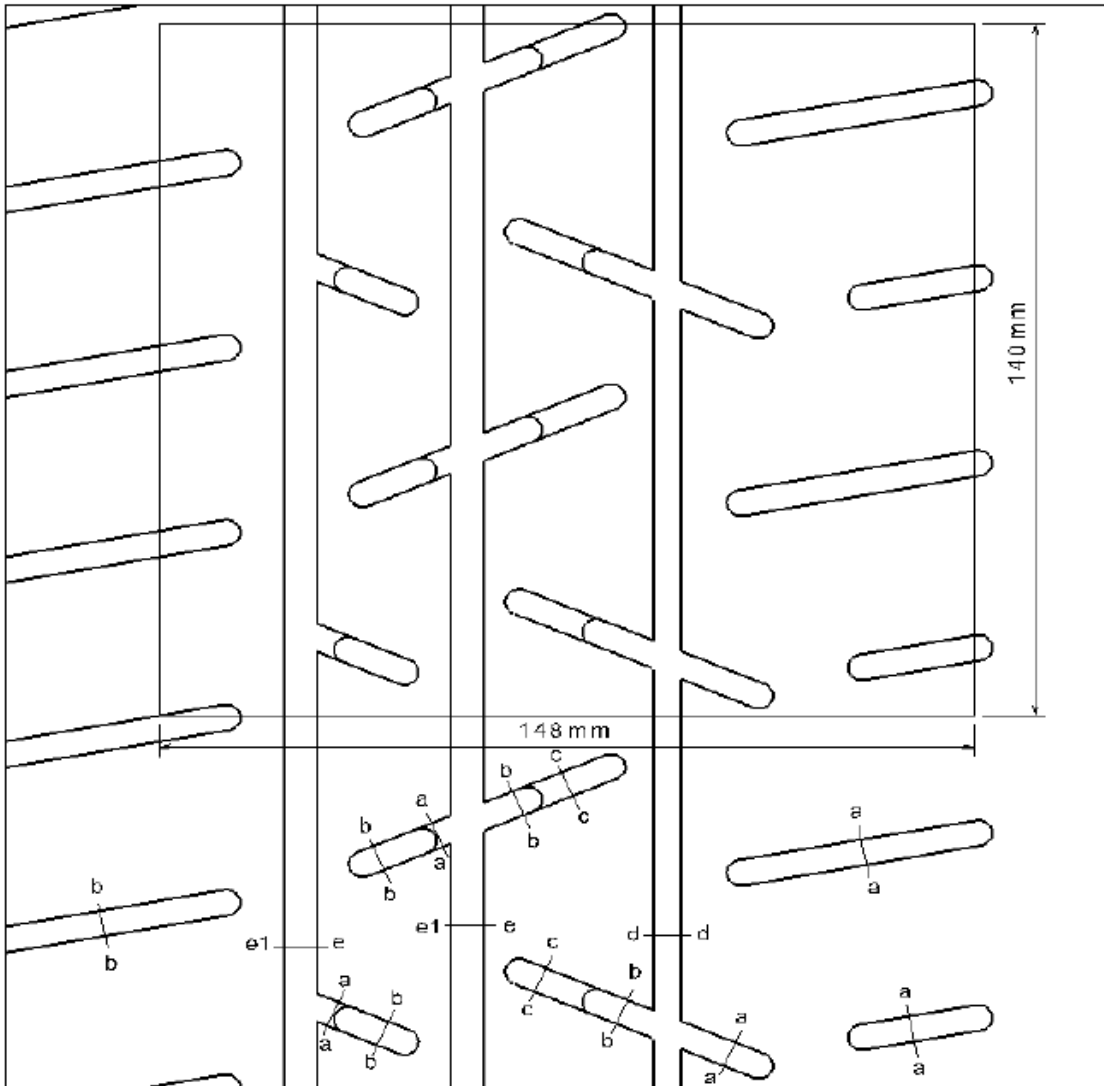
Empty Depth > 1.8mm : 25.08%

Control Surface = 23800 mm<sup>2</sup>



# 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%

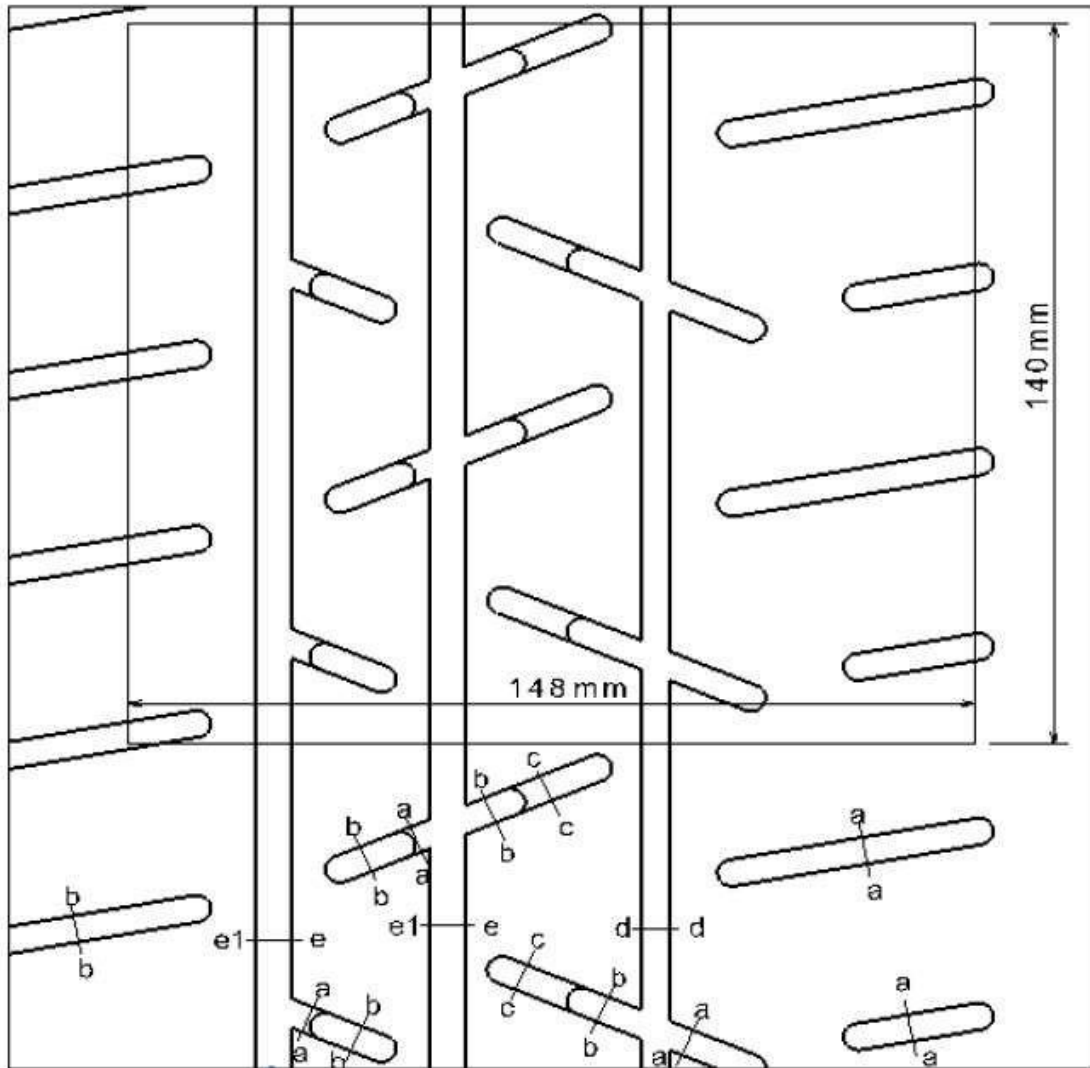
8

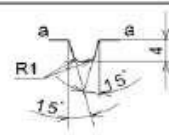
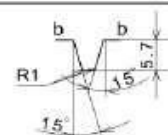
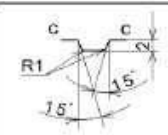
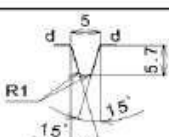
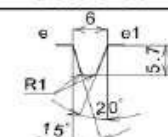
GROOVE SURFACE AREA = 353483.2 mm<sup>2</sup>

Control Surface = 20720 mm<sup>2</sup>

# 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%

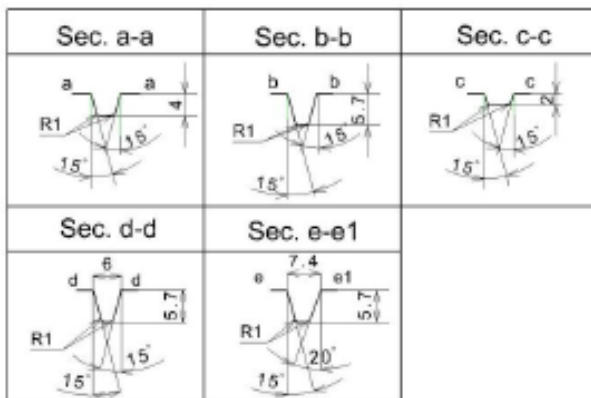
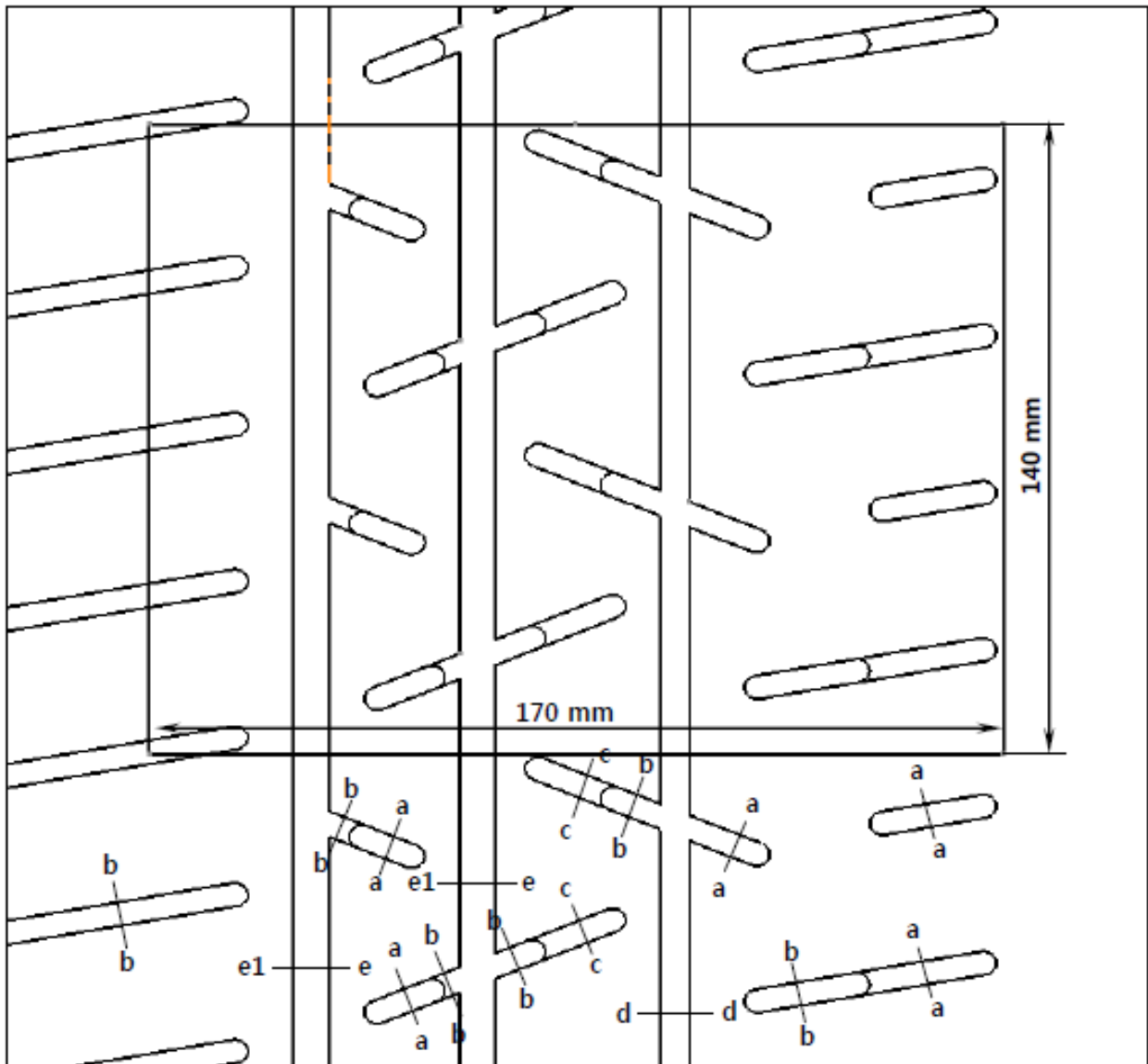
Empty Depth > 1.8mm : 22.95%

GROOVE SURFACE AREA = 358456 mm<sup>2</sup>

Control Surface = 20720 mm<sup>2</sup>

# 15" - 200/580R15

Product : Ventus Z205



## Class 9" (Rim 7.0")

Empty Depth > 5.5mm : 17.06%

Empty Depth > 1.8mm : 25.07%

Control Surface = 23800 mm<sup>2</sup>

# 18" - 210/650R18

Product : Ventus Z210



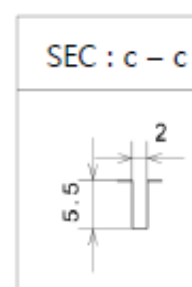
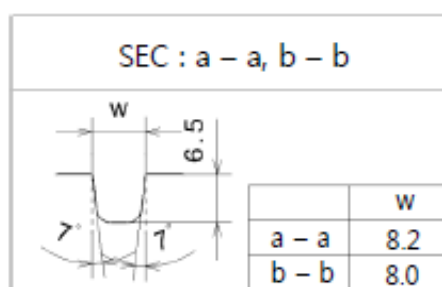
## Class 9" (Rim 8")

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

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

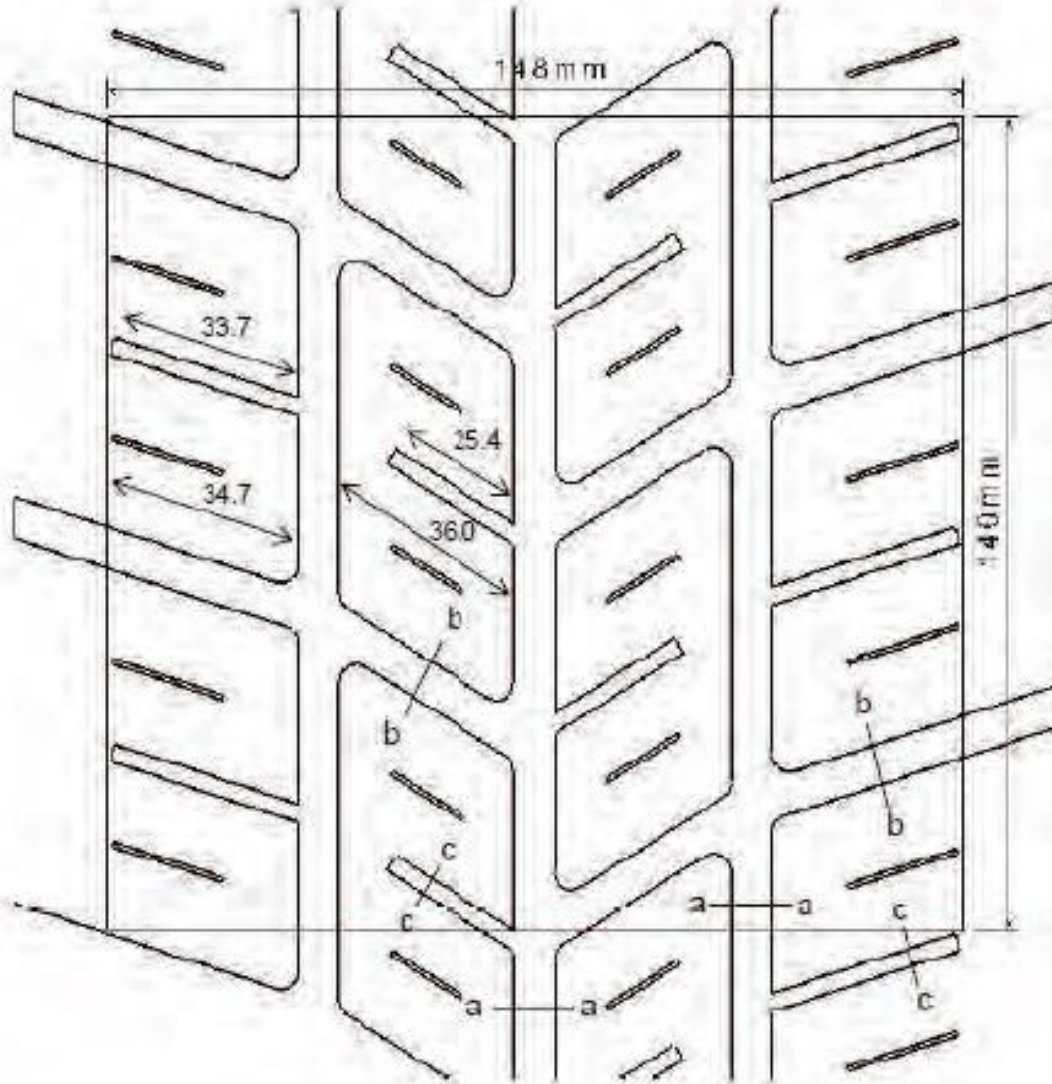
Empty Depth > 5.5mm : 27.5%

Control Surface = 23800 mm<sup>2</sup>



**17" - 180/625R17**

Product : Ventus Z210



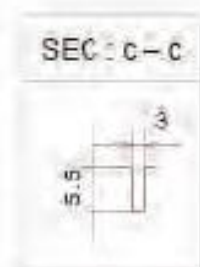
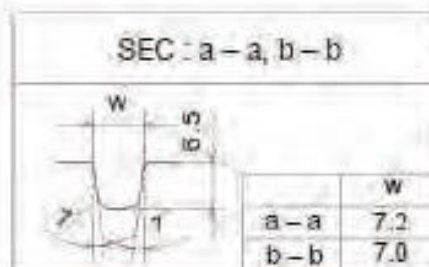
Width of Rim/Tyre Assembly : 7.5" ~ 8"

a - a groove width / depth : 7.2 mm / 6.5 mm

b - b groove width / depth : 7.0 mm / 6.5 mm

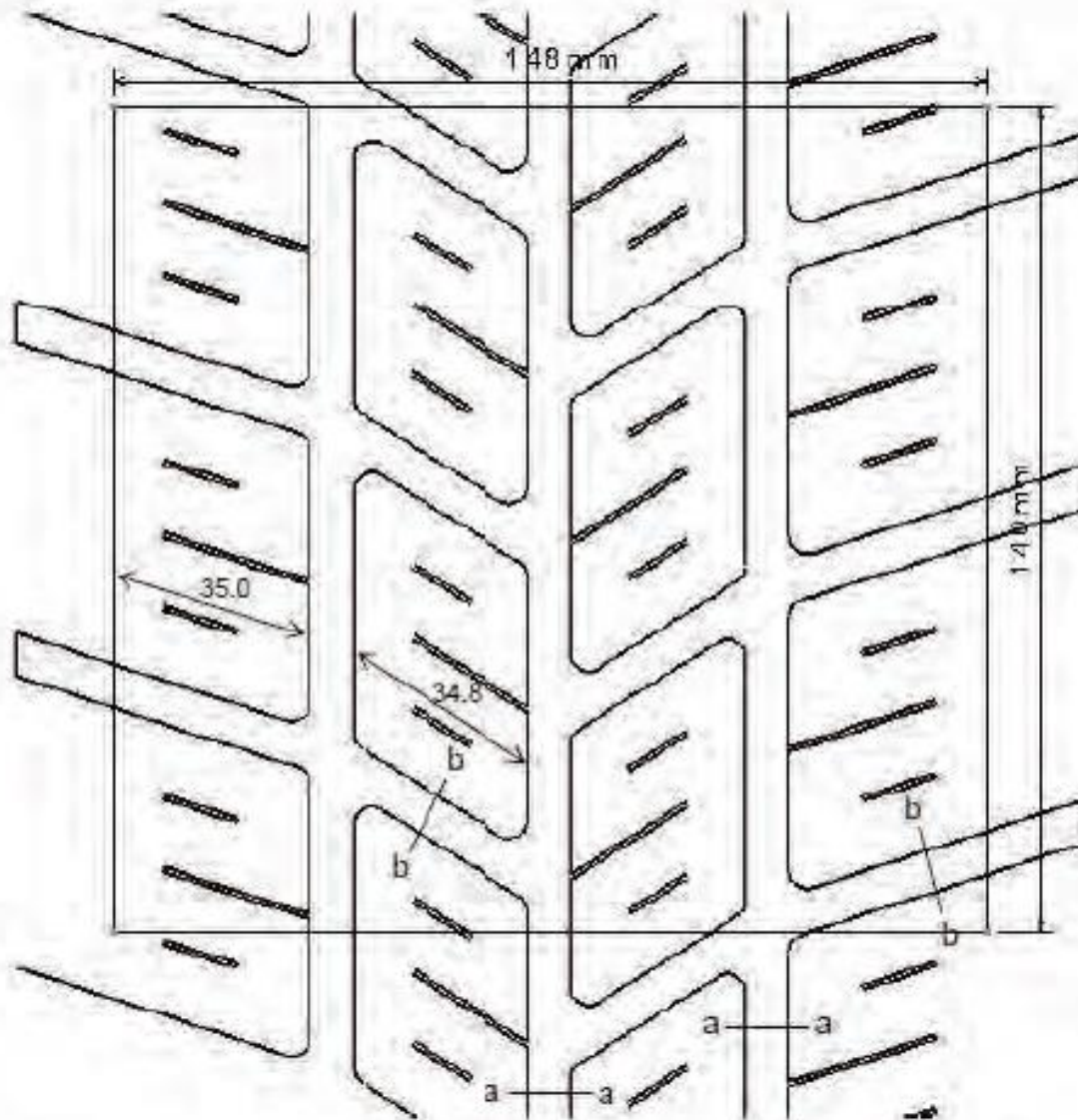
Empty Depth > 5.5mm : 27.5%

Control Surface = 20720 mm<sup>2</sup>



**16" - 180/60R16**

Product : Ventus Z210



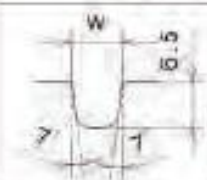
Width of Rim/Tyre Assembly : 7.5" ~ 8"

a - a groove width / depth : 7.5 mm / 6.5 mm

b - b groove width / depth : 7.5 mm / 6.5 mm

Empty Depth > 5.5mm : 27.5%

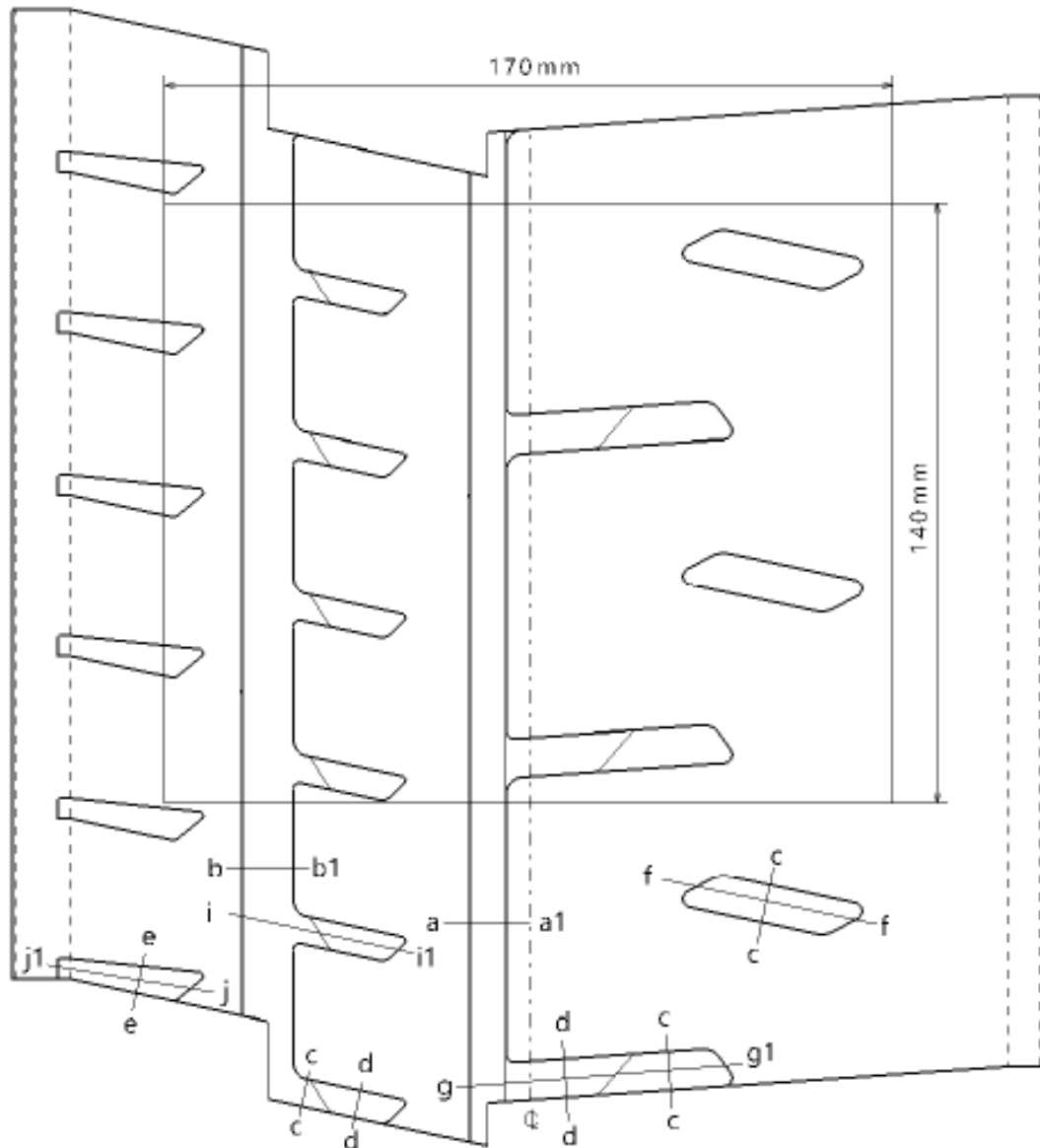
Control Surface = 20720 mm<sup>2</sup>

SEC : a - a, b - b	
	
a - a	w
b - b	w



18" - 210/650R18

Product Name : Ventus Z215

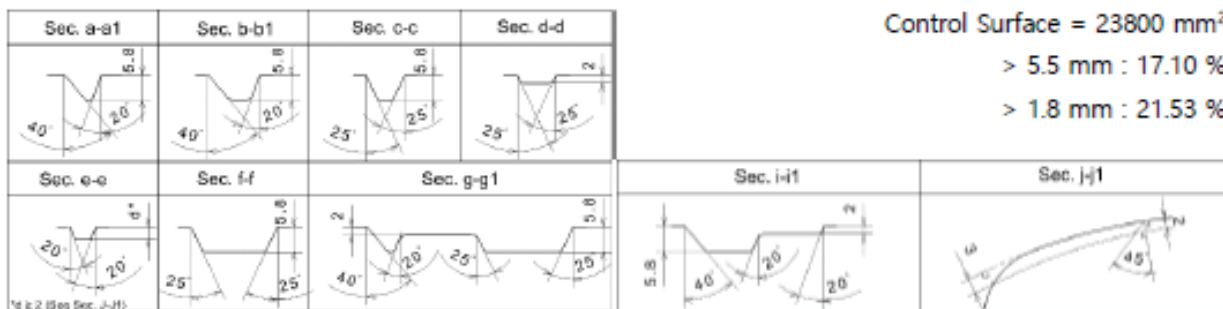


Width of Rim/Tyre Assembly : 8.5" ~ 9"

Control Surface = 23800 mm<sup>2</sup>

> 5.5 mm : 17.10 %

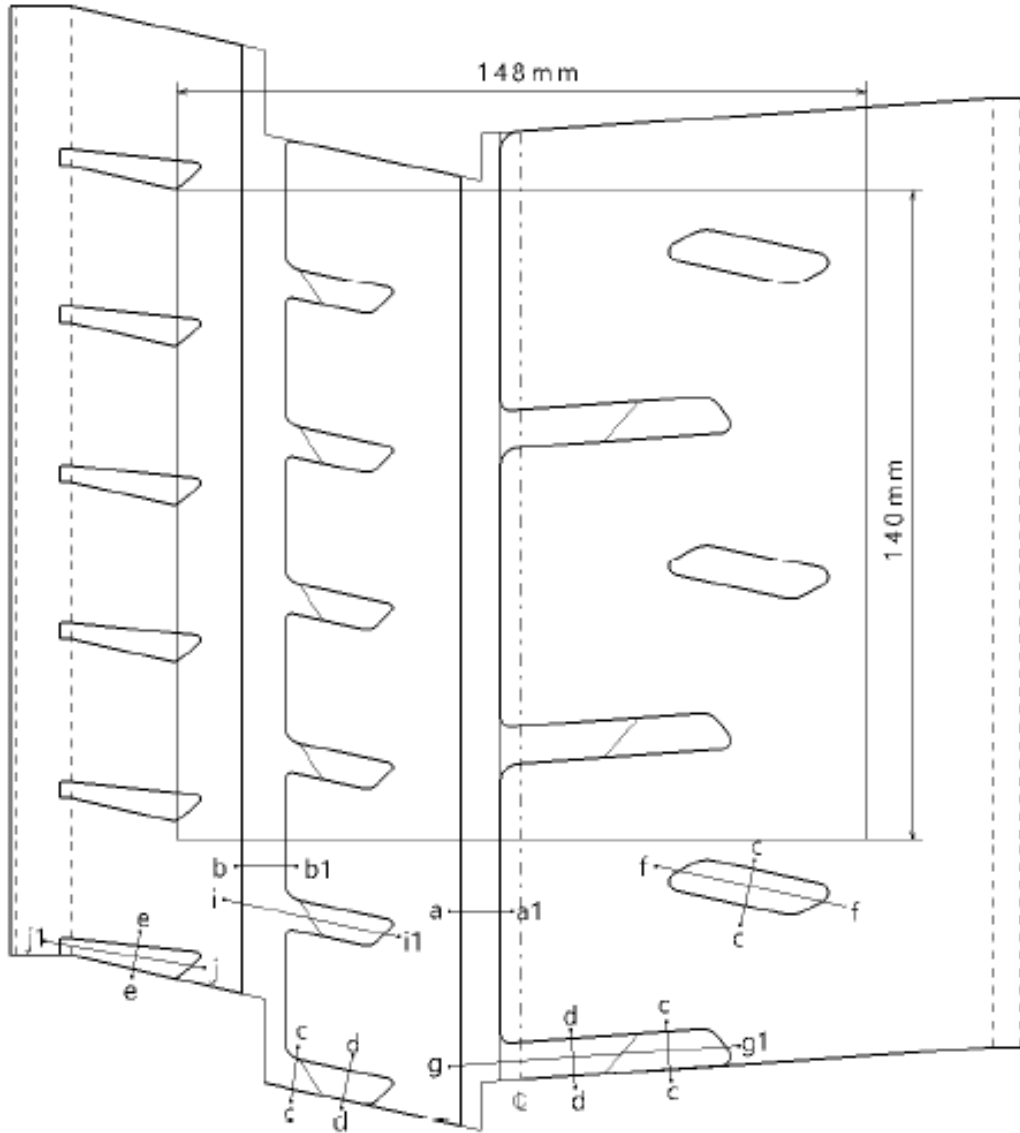
> 1.8 mm : 21.53 %





**17" - 190/630R17**

Product Name : Ventus Z215

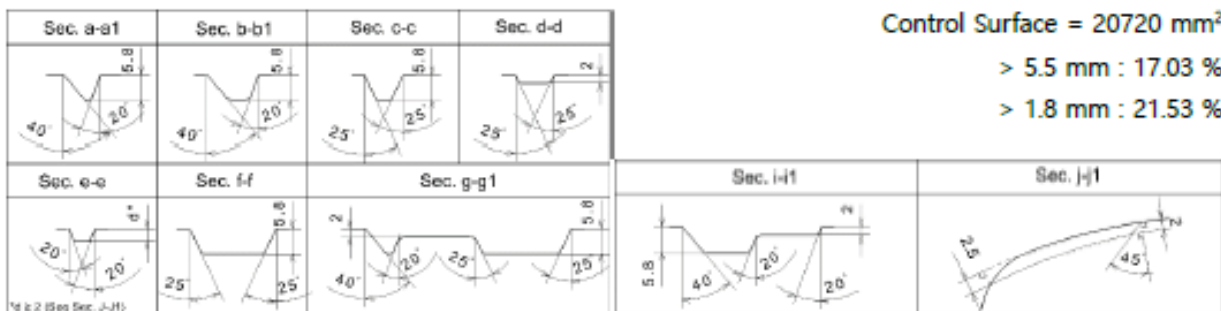


**Width of Rim/Tyre Assembly : 7.5" ~ 8"**

**Control Surface = 20720 mm<sup>2</sup>**

**> 5.5 mm : 17.03 %**

**> 1.8 mm : 21.53 %**

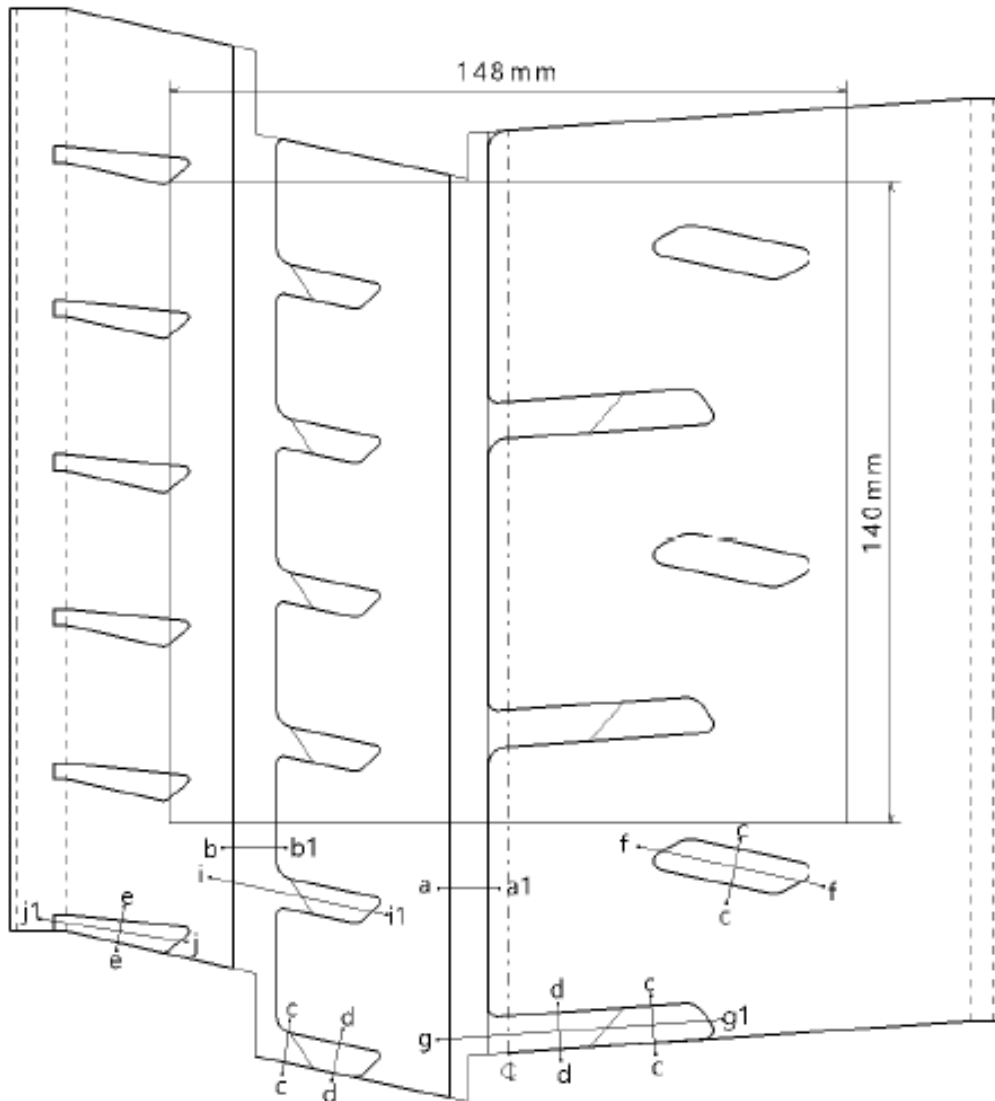






**16" - 190/60R16**

Product Name : Ventus Z215

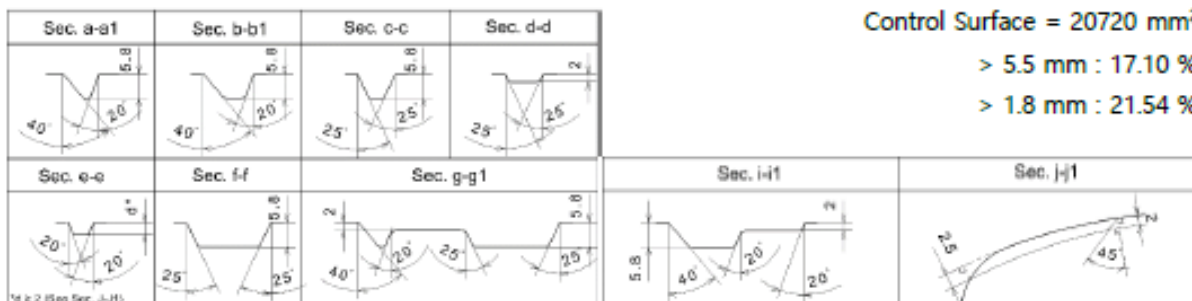


**Width of Rim/Tyre Assembly : 7.5" ~ 8"**

**Control Surface = 20720 mm<sup>2</sup>**

**> 5.5 mm : 17.10 %**

**> 1.8 mm : 21.54 %**



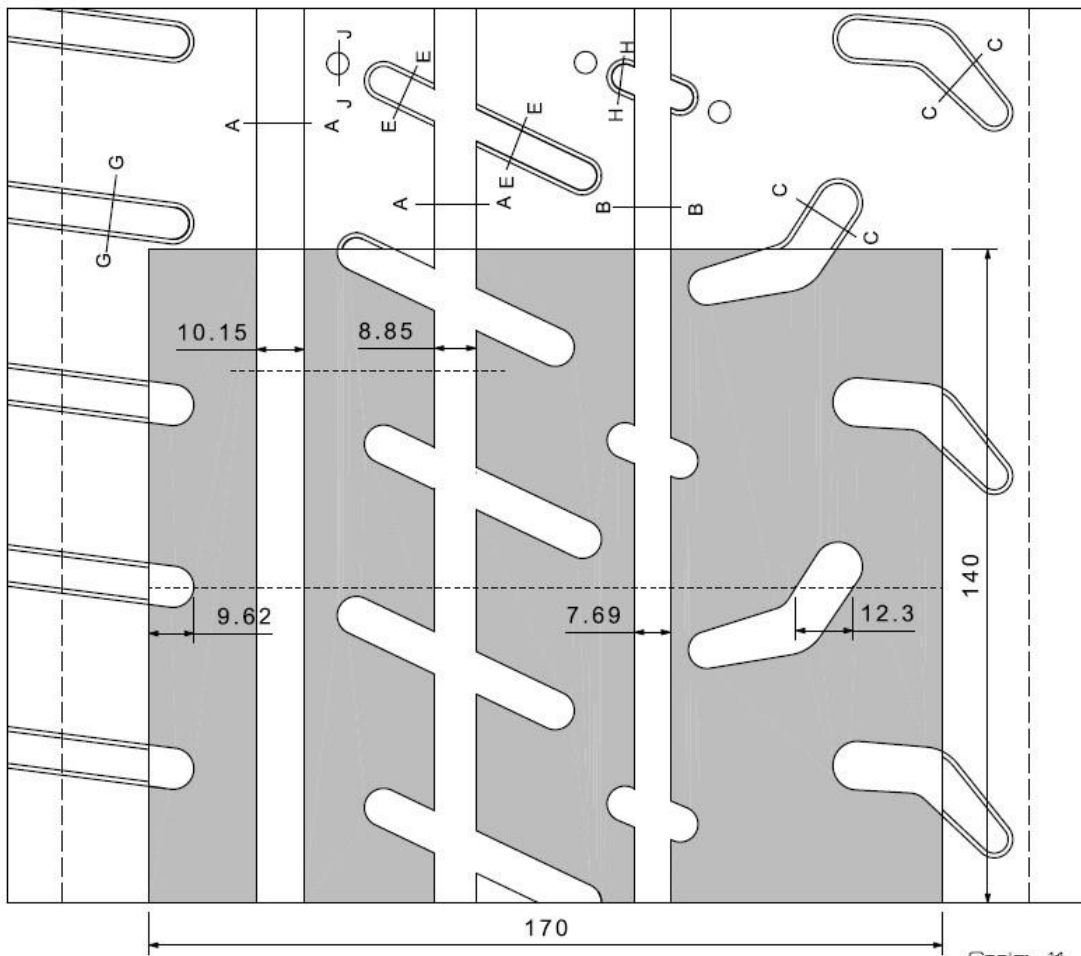
# 18"-210/645R18



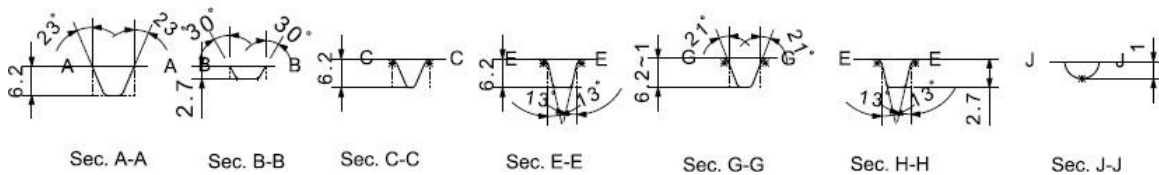
## KUMHO TYRES

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 : 5815.4mm<sup>2</sup>  
 Void % : 24.4%  
 Groove Area by 170 x 140 at least 5.5mm deep : 4580.7mm<sup>2</sup>  
 Void % : 19.2%



# 18"-210/645R18



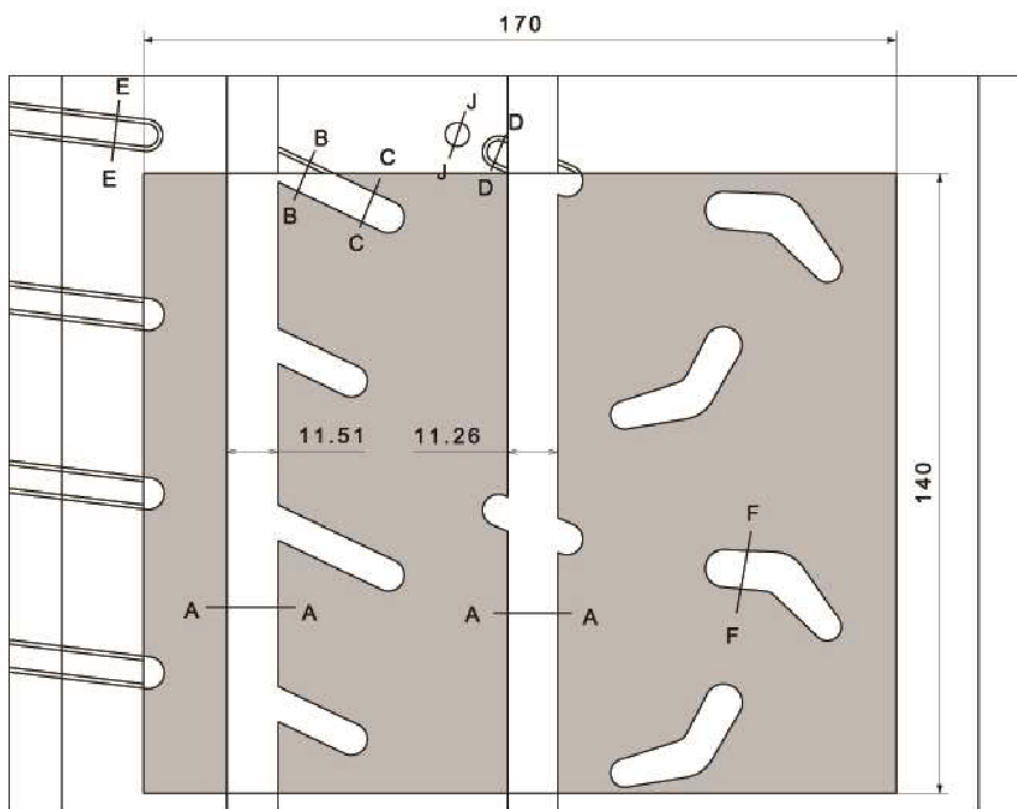
## KUMHO TYRES

Moulded tyre for FIA homologation

Size : 210/645R18

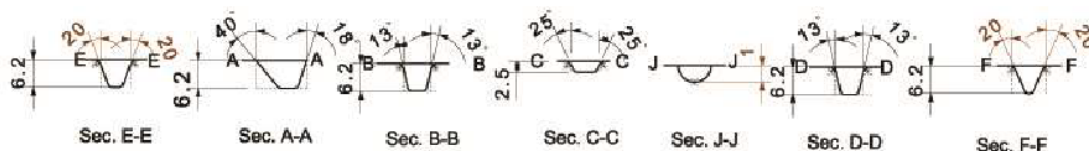
Pattern : TM02

- 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 : 5159mm<sup>2</sup>  
 Void % : 21.7%  
 Groove Area by 170 x 140 at least 5.5mm deep : 4446mm<sup>2</sup>  
 Void % : 18.7%



# 18"-210/645R18



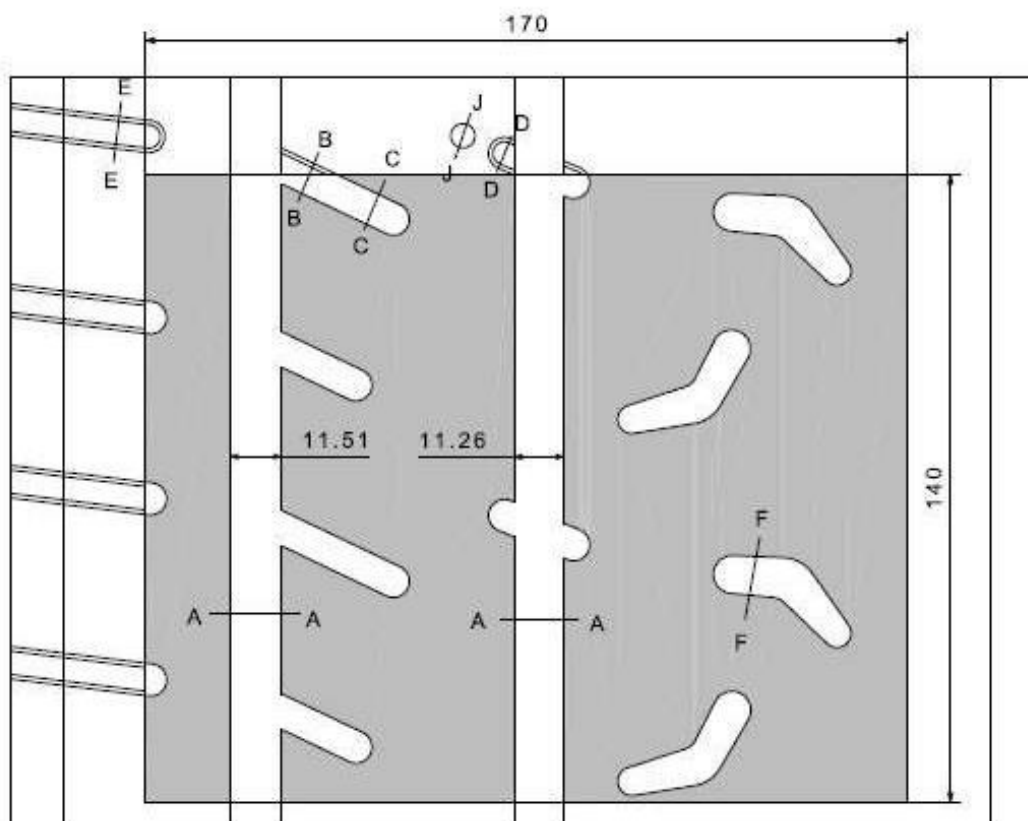
## KUMHO TYRES

Moulded tyre for FIA homologation

Size : 210/645R18

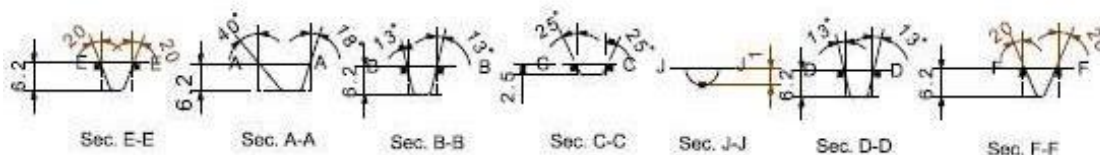
Pattern : TM02

- 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 : 5159mm<sup>2</sup>  
 Void % : 21.7%  
 Groove Area by 170 x 140 at least 5.5mm deep : 4446mm<sup>2</sup>  
 Void % : 18.7%



# 17"-190/630R17



## KUMHO TYRES

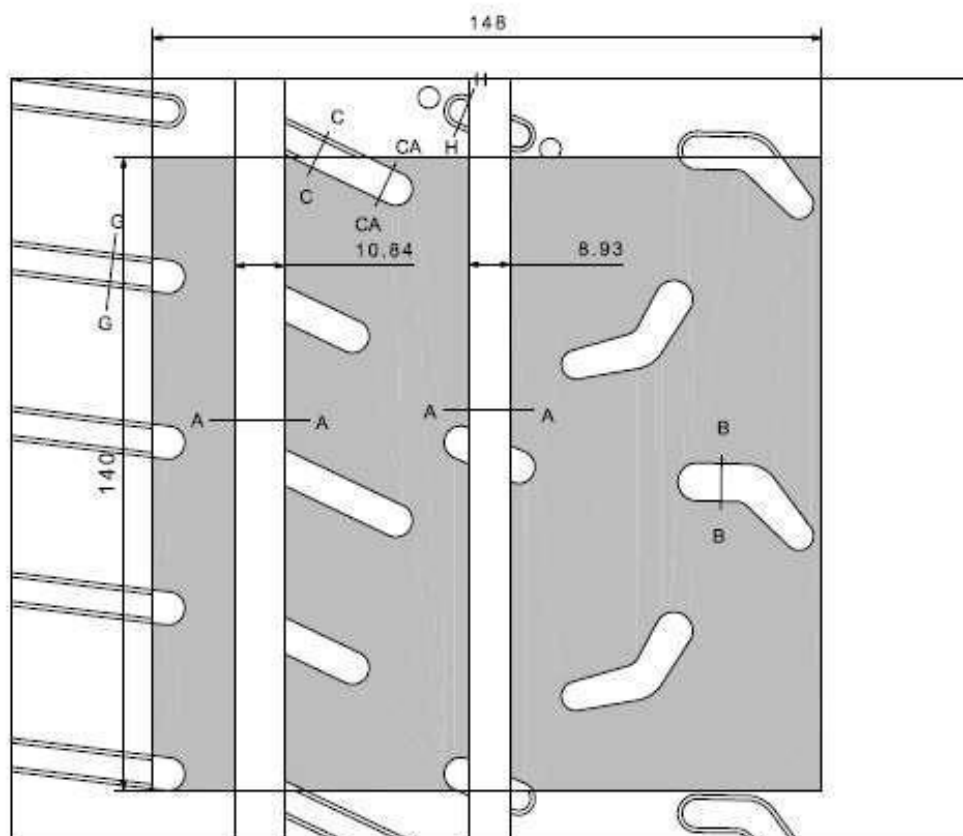
Moulded tyre for FIA homologation

Size : 190/630 R17

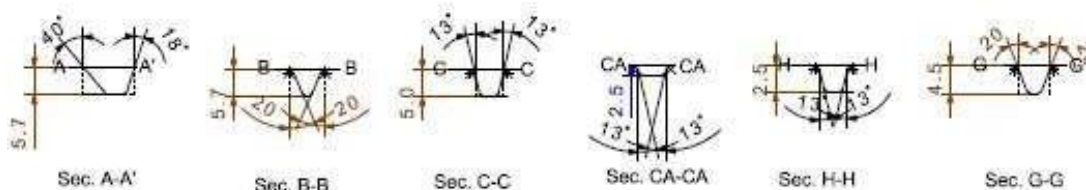
Pattern : TM02

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 : 4579.1mm<sup>2</sup>  
 Void % : 22.1%  
 Groove Area by 148 x 140 at least 5.5mm deep : 3688.1mm<sup>2</sup>  
 Void % : 17.8%



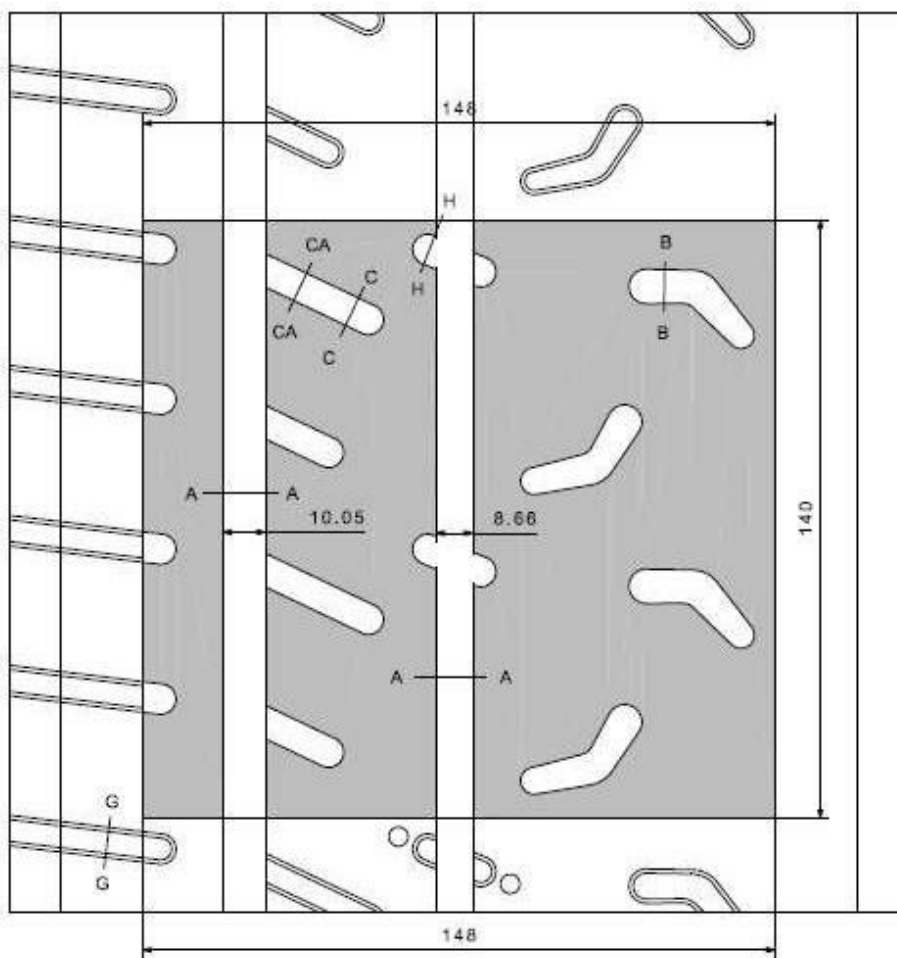
# 16"-190/600R16



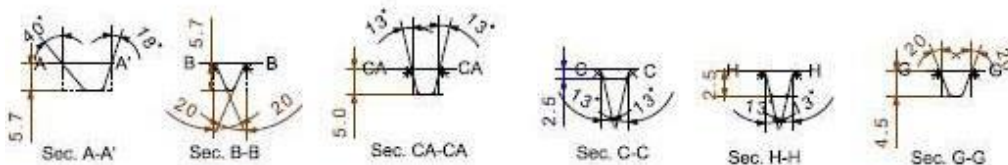
## KUMHO TYRES

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 : 4579.1mm<sup>2</sup>  
 Void % : 22.1%  
 Groove Area by 148 x 140 at least 5.5mm deep : 3584.5mm<sup>2</sup>  
 Void % : 17.3%



# 15"-180/580R15



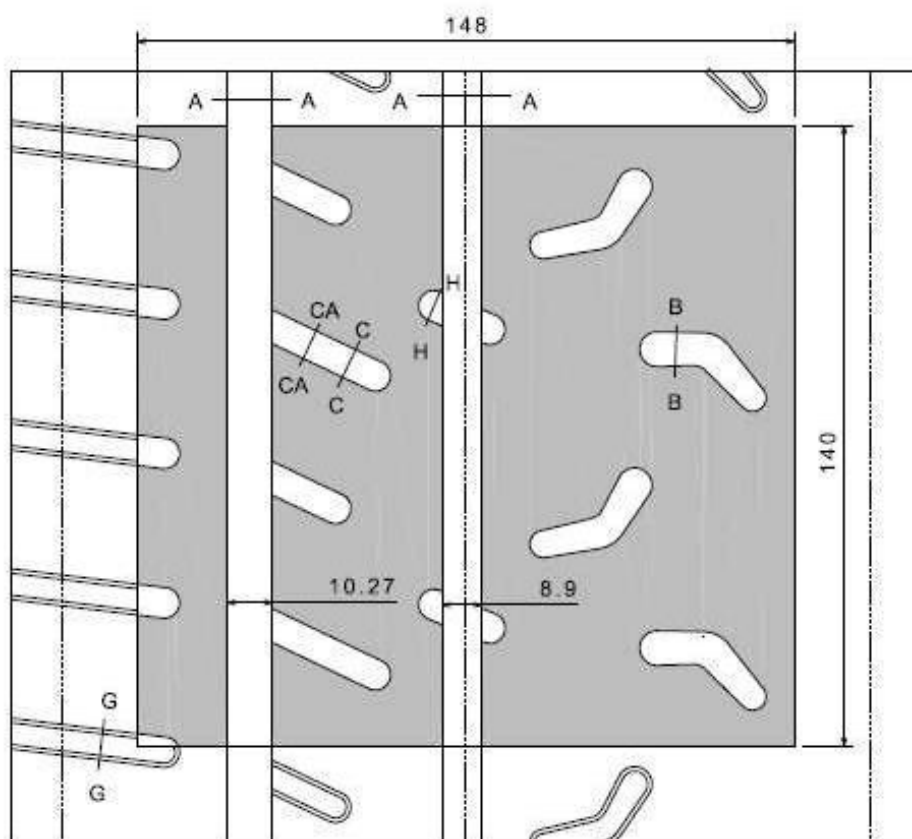
## KUMHO TYRES

Moulded tyre for FIA homologation

Size : 180/580 R15

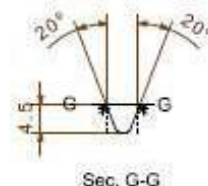
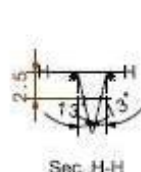
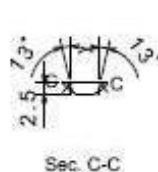
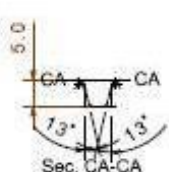
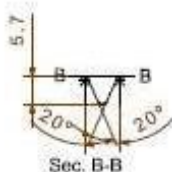
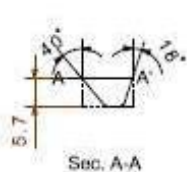
Pattern : TM02

- 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 23.5% 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 : 4599.8mm<sup>2</sup>  
 Void % : 22.2%  
 Groove Area by 148 x 140 at least 5.5mm deep : 3563.8mm<sup>2</sup>  
 Void % : 17.2%



# 18"-210/645R18



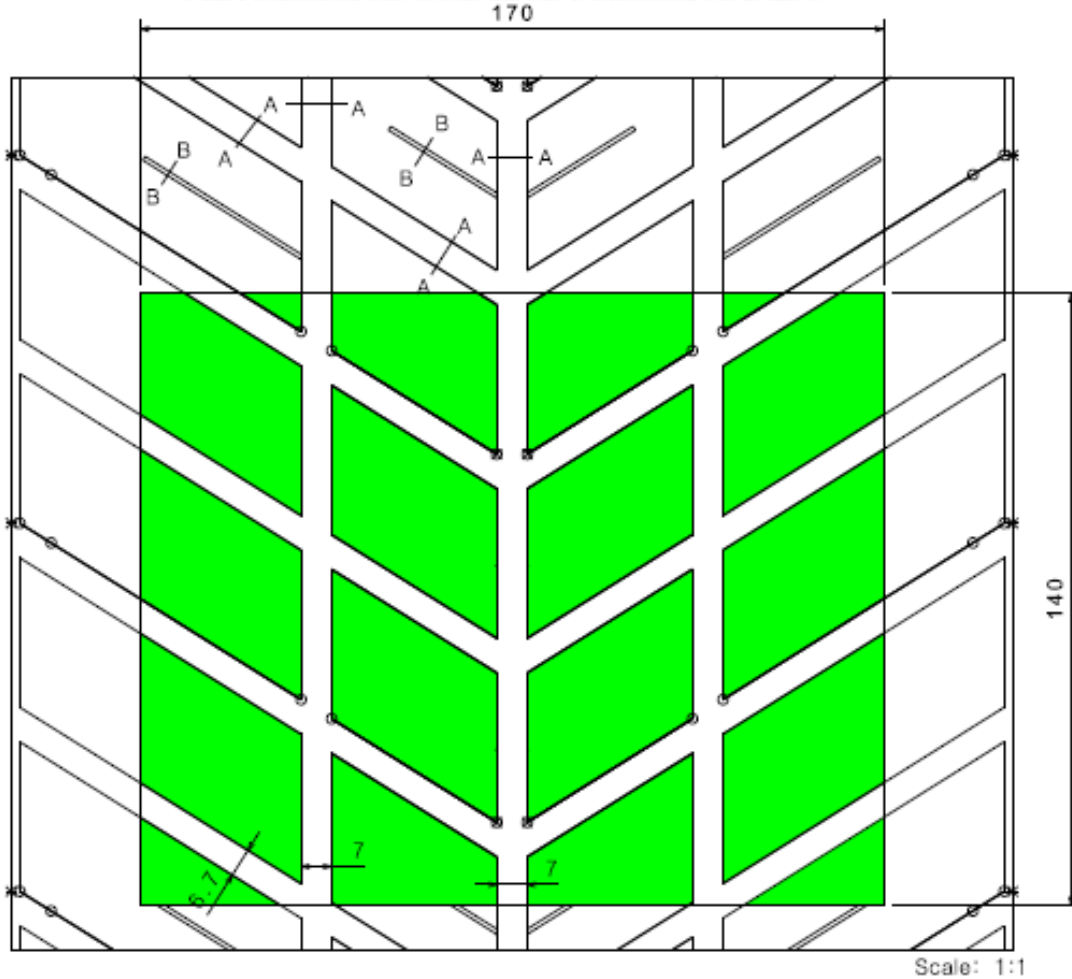
## KUMHO TYRES

Moulded tyre for FIA homologation

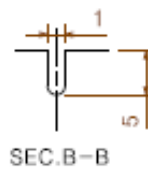
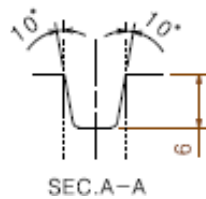
Size : 210/645R18

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 : 6789.4mm<sup>2</sup>  
Void % : 28.5%

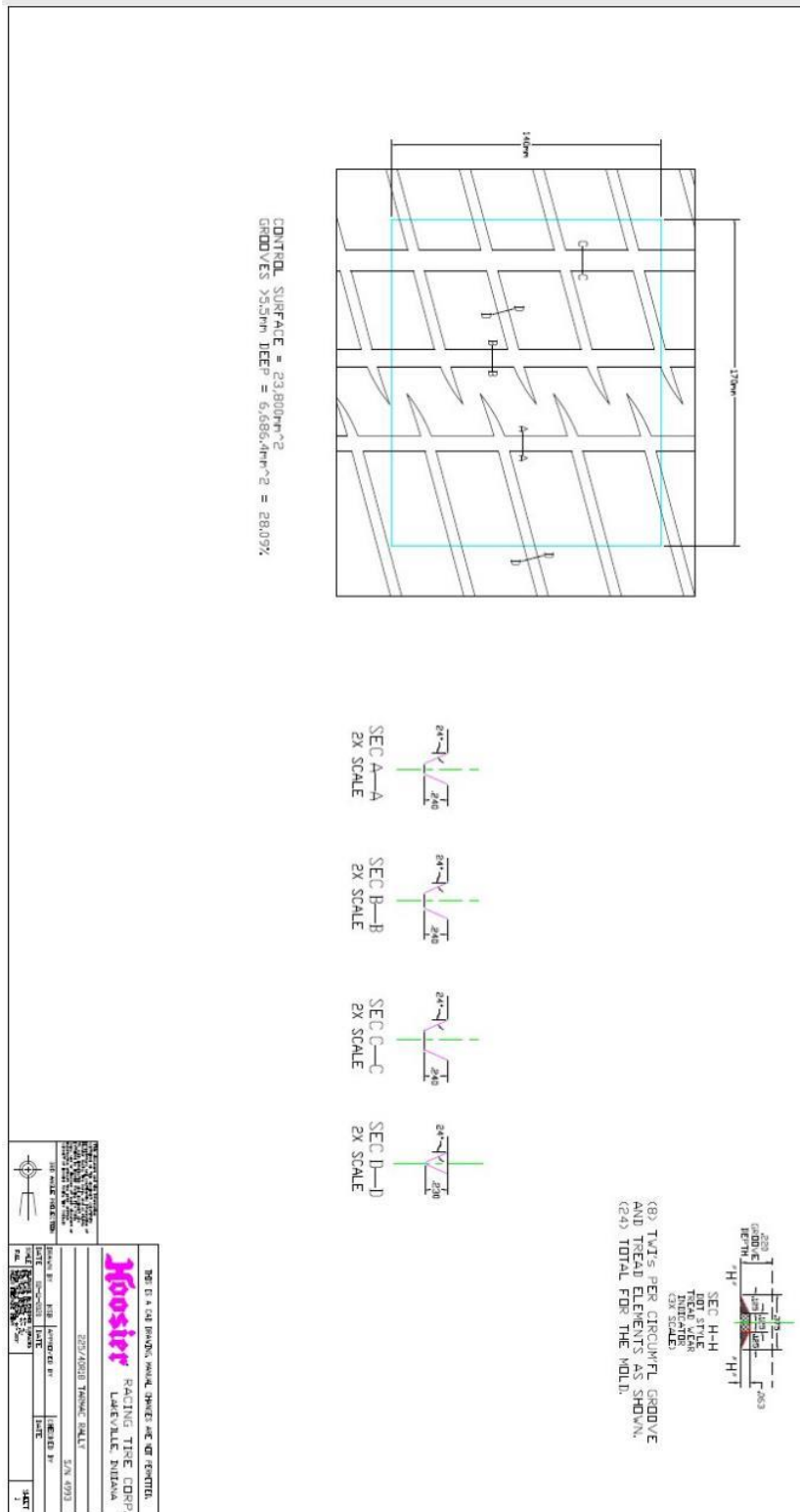




**18"-225/40R18**

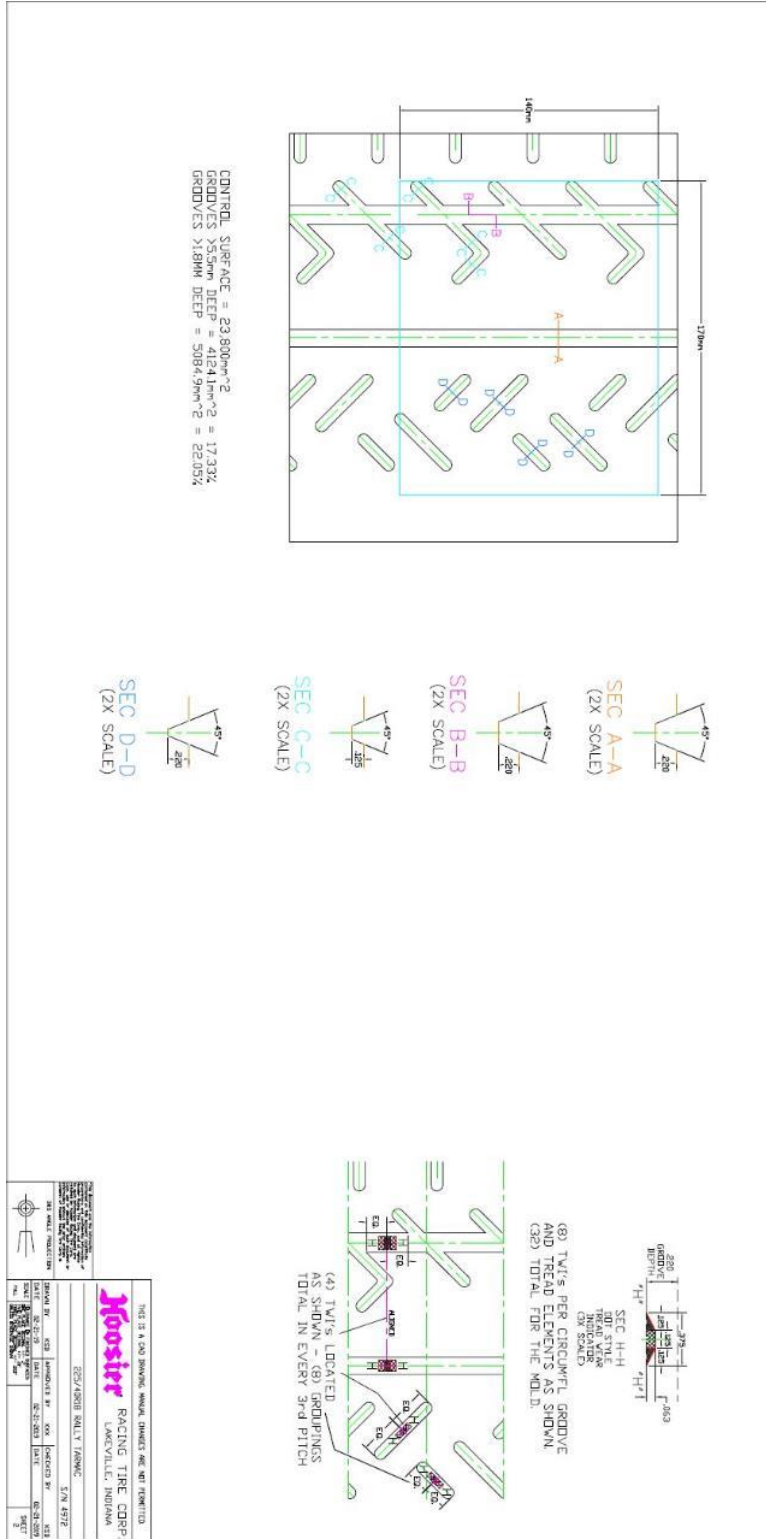
# Hoosier

RACING TIRE



**18"-225/40R18**

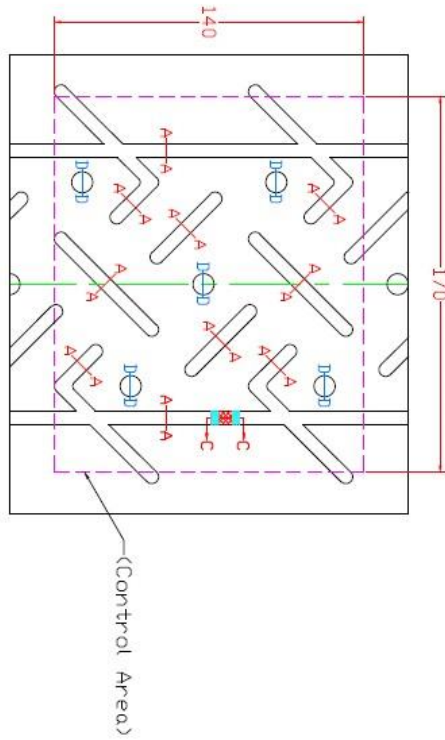
# Hoosier RACING TIRE



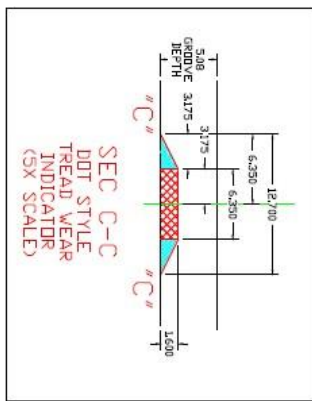
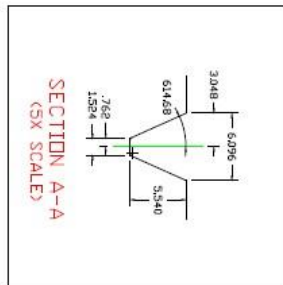
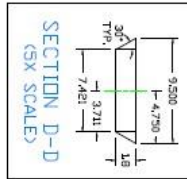
# Hoosier

RACING TIRE

<UNITS = METRIC>



CONTROL SURFACE = 23,800mm<sup>2</sup>  
 GROOVES > 5.5mm = 4,797.71mm<sup>2</sup> = 20.16%  
 GROOVES > 1.8mm = 5,152.09mm<sup>2</sup> = 21.65%



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

**Hoosier** RACING TIRE CORP.  
LAKEVILLE, INDIANA

FIA COMPLIANCE FOR '200/650R18'  
ROAD RALLY

SCAN 4770

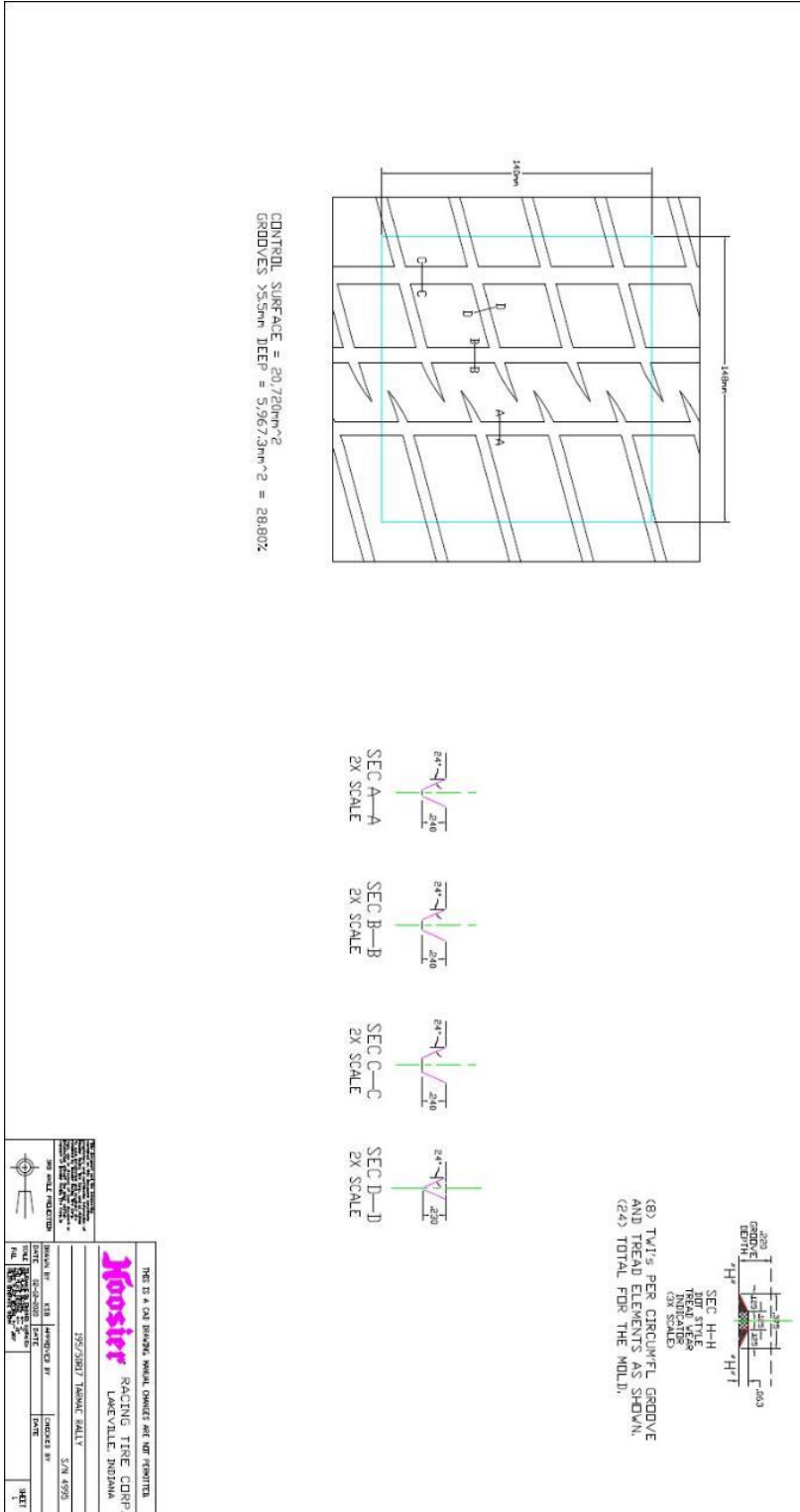
DESIGNED BY	TRC	APPROVED BY	XXX	CHECKED BY	XXX
DATE	03/06/2023	DATE	XX/XX/XXXX	DATE	XX/XX/XXXX
SCALE	AS SHOWN	SCALE	AS SHOWN	SCALE	AS SHOWN
REV	1	REV	1	REV	1

3RD HOLE PROJECTION

REV 1

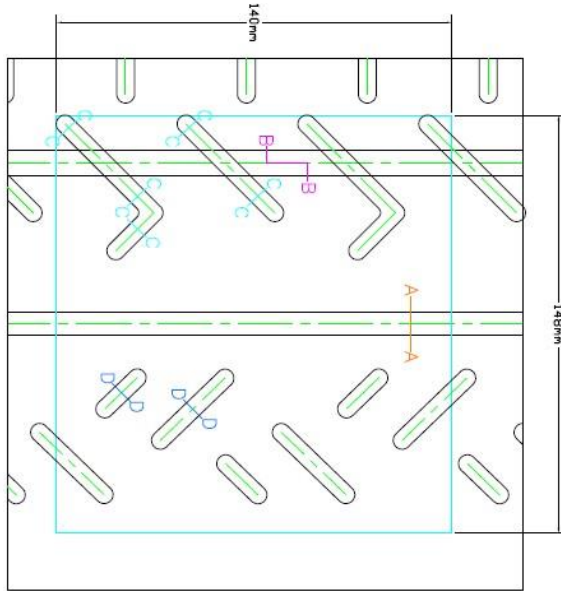
# Hoosier

RACING TIRE



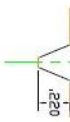
# Hoosier

RACING TIRE

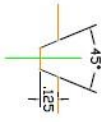


CONTROL SURFACE =  $20.720\text{mm}^2$   
 GROOVES >5.5mm DEEP =  $3617.7\text{mm}^2$  = 17.46%  
 GROOVES >1.8MM DEEP =  $4638.2\text{mm}^2$  = 22.39%

SEC D-D  
(2X SCALE)



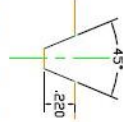
SEC C-C  
(2X SCALE)



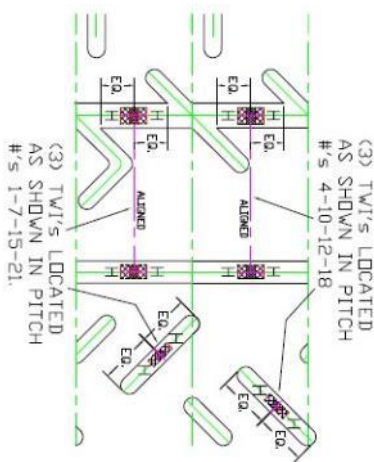
SEC B-B  
(2X SCALE)



SEC A-A  
(2X SCALE)



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



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

**Hoosier** RACING TIRE CORP.  
LAKEVILLE, INDIANA

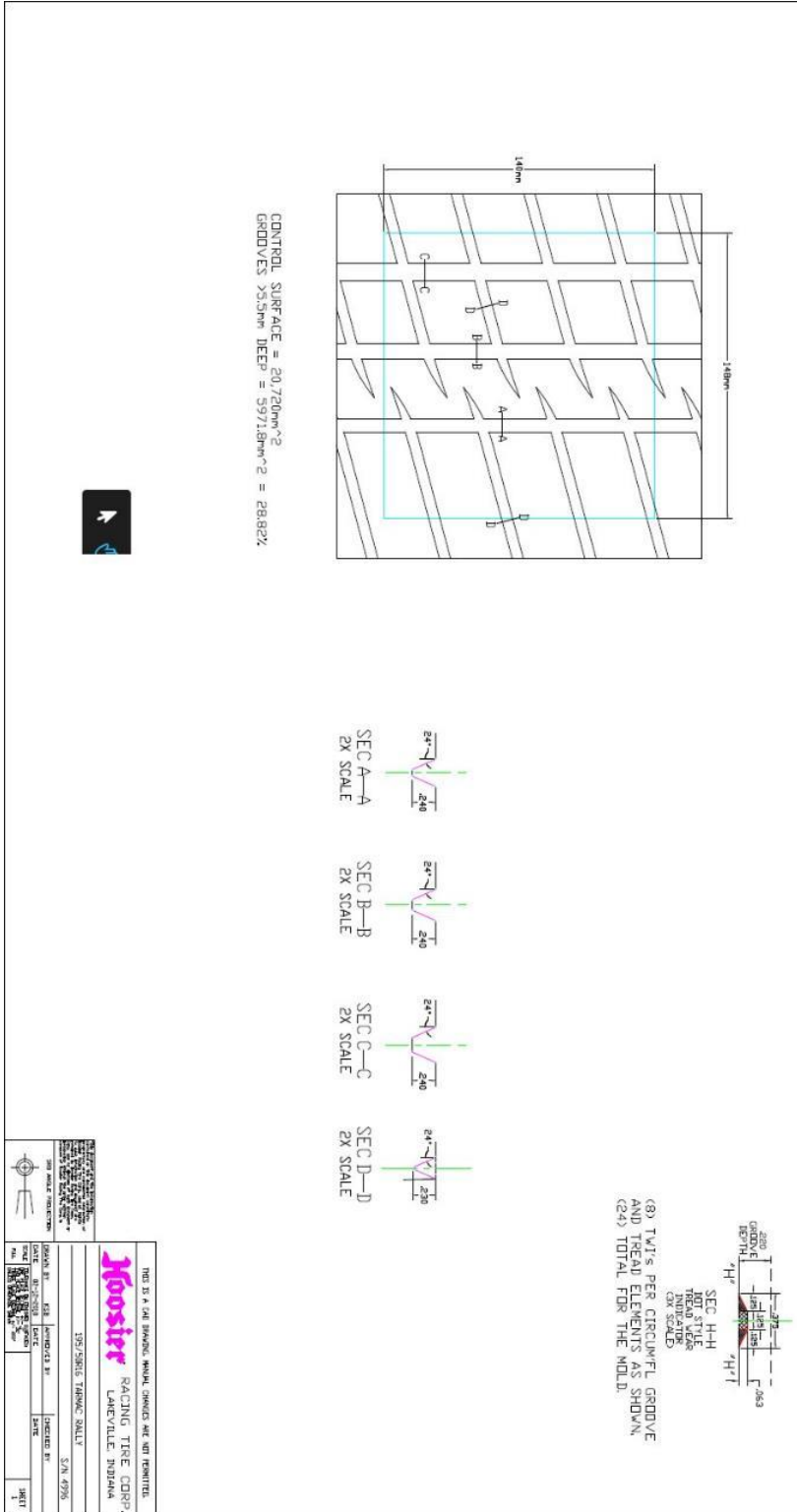
195/50R17 TARMAC RALLY S/N 4927

DRAWN BY	KES	APPROVED BY	XXX
DATE	04-09-2018	DATE	XX-XX-XXXX
SCALE	AS SHOWN	CHECKED BY	04-09-2018
FULL	1	SHEET	1

**16"-195/50R16**

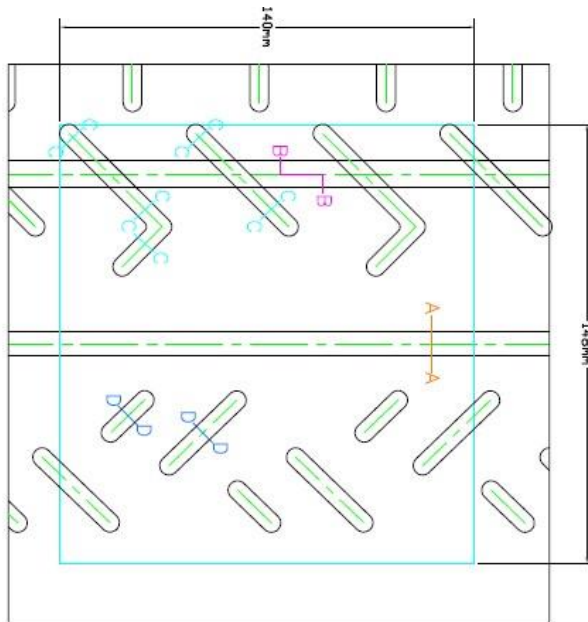
# Hoosier

RACING TIRE



# Hoosier

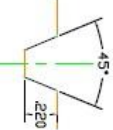
RACING TIRE



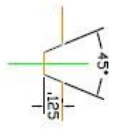
CONTROL SURFACE =  $20,720\text{mm}^2$   
 GROOVES >5.5mm DEEP =  $3617,7\text{mm}^2$  = 17.46%  
 GROOVES >1.8mm DEEP =  $4638,2\text{mm}^2$  = 22.39%



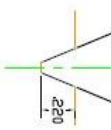
SEC A-A  
(2X SCALE)



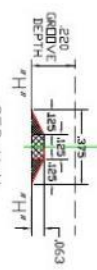
SEC B-B  
(2X SCALE)



SEC C-C  
(2X SCALE)

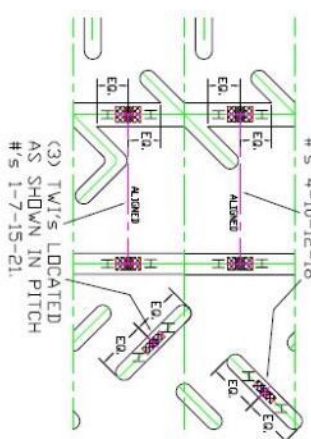


SEC D-D  
(2X SCALE)



SEC H-H  
TREAD  
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  
 # 5 4-10-12-18  
 (3) TWI'S LOCATED  
 AS SHOWN IN PITCH  
 # 5 1-7-15-21.

THIS IS A CAR SHOWN. MARK CHANGES ARE NOT PERMITTED.

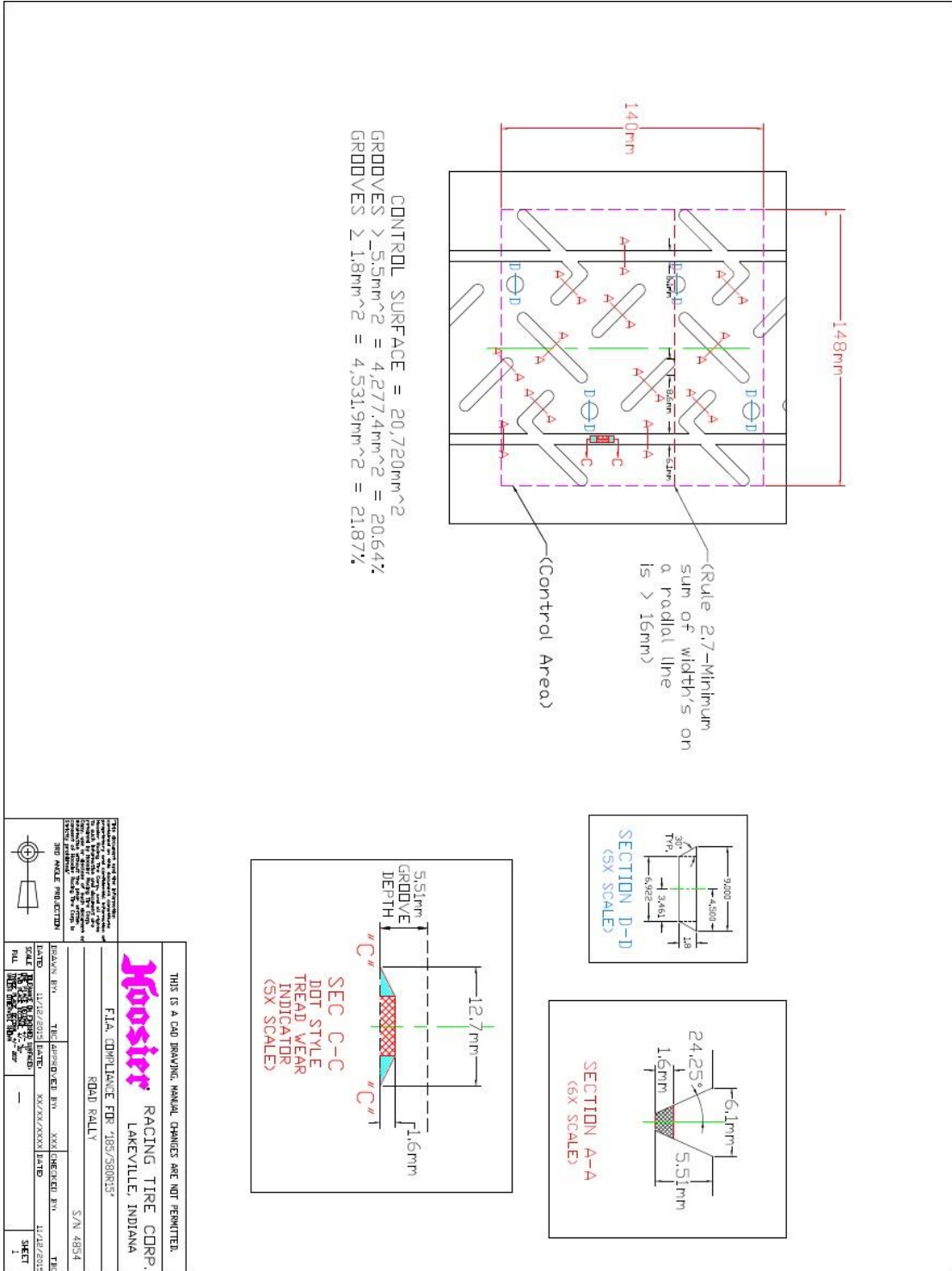
RACING TIRE CORP.  
 LAKEVILLE, INDIANA

195/50R16 TARGAC RALLY S/M 4926

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

# Hoosier

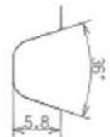
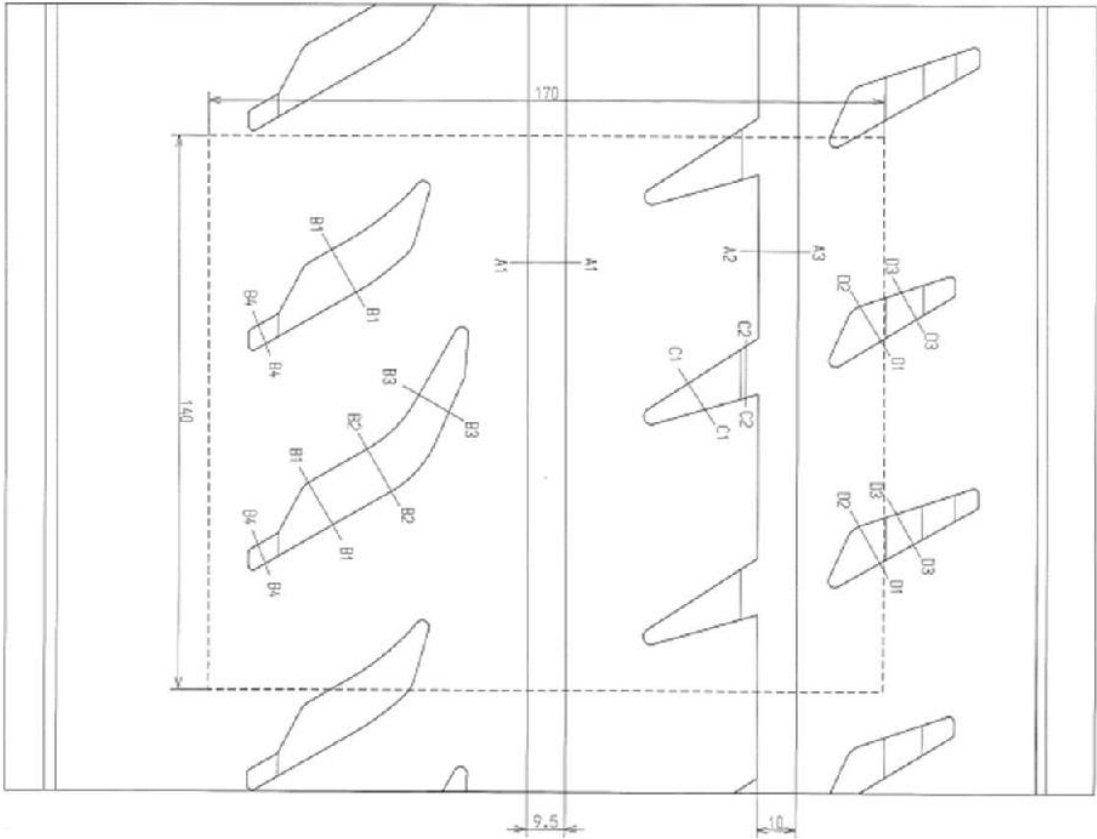
RACING TIRE



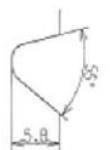


**18"-205/640R18**

**TOYO TIRES**



SEC.A1-A1



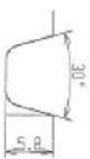
SEC.A2-A3



SEC.B1-B1



SEC.B2-B2



SEC.B3-B3



SEC.B4-B4



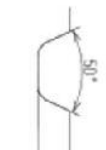
SEC.C1-C1



SEC.C2-C2



SEC.D1-D2



SEC.D3-D3

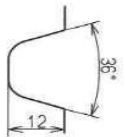
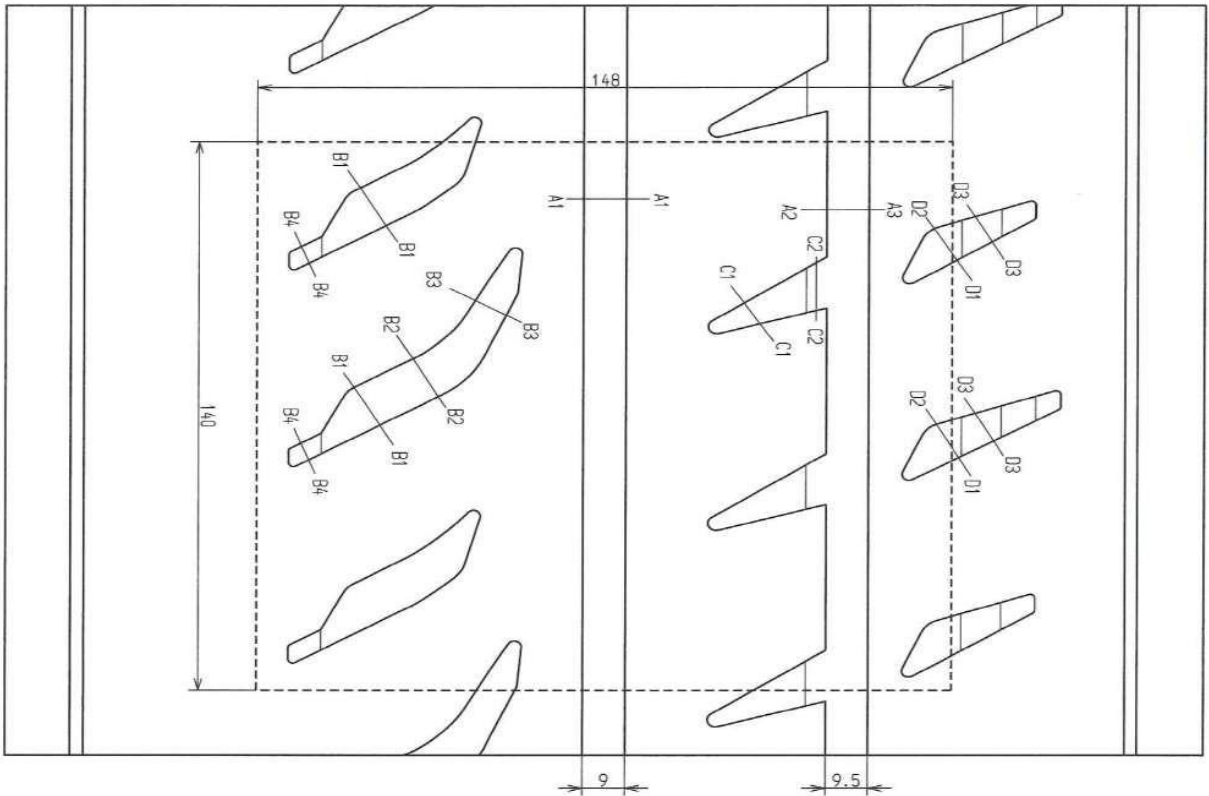
In the control area  
5.5mm grooves-18.2%  
total grooves 22.3%

-----Control area(170x140)

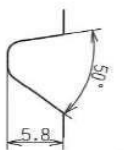
PRODUCT NAME  
TOYO PROXES 888RT

SIZE 205/640R18

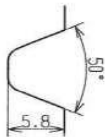
# 16"-185/600R16



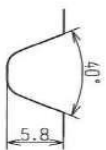
SEC.A1-A1



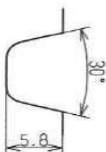
SEC.A2-A3



SEC.B1-B1



SEC.B2-B2



SEC.B3-B3



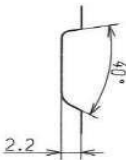
SEC.B4-B4



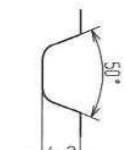
SEC.C1-C1



SEC.C2-C2



SEC.D1-D2



SEC.D3-D3

In the control area  
5.5mm grooves-19,22  
Total grooves 23,17

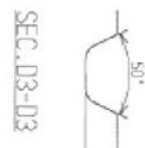
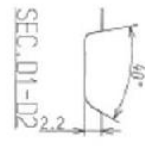
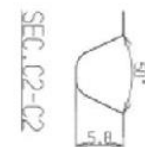
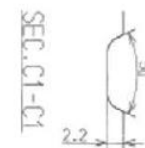
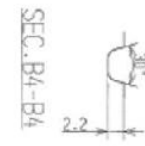
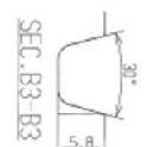
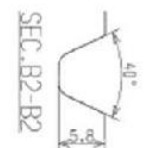
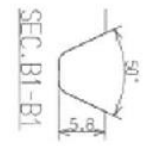
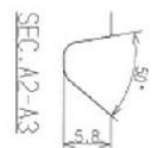
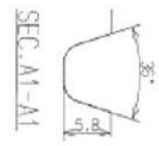
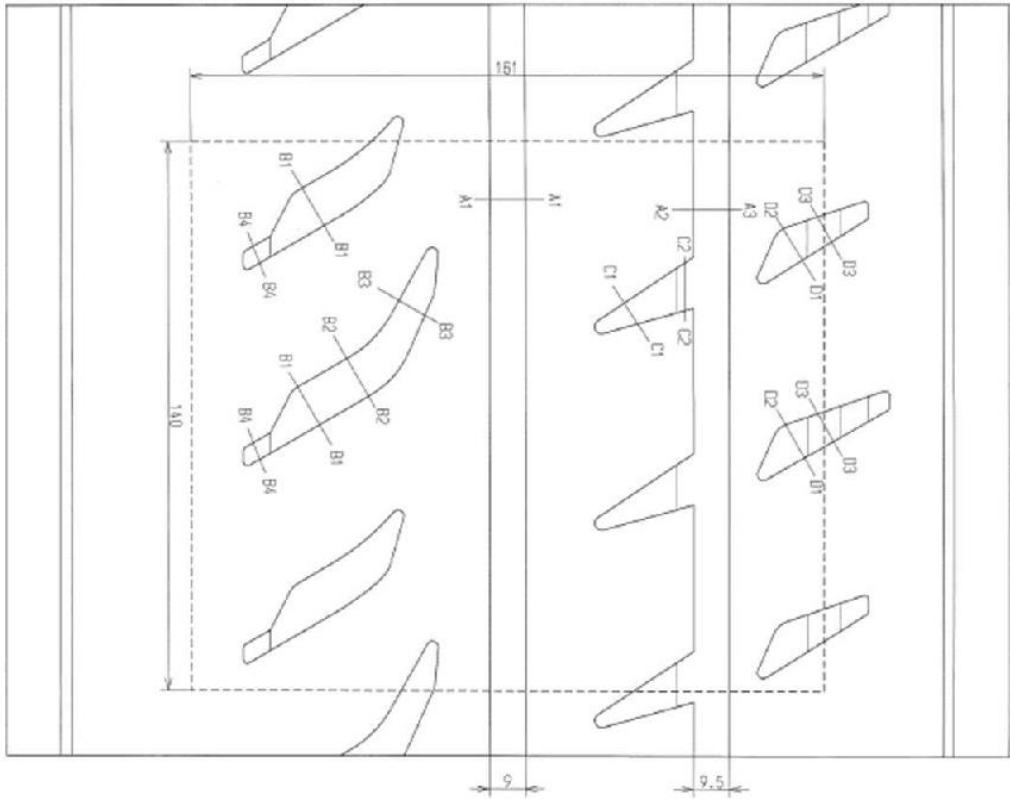
-----Control area(148x140)

PRODUCT NAME  
TOYO PROXES 888RT

SIZE 185/600R16

**15"-185/580R15**

**TOYO TIRES**



In the control area  
5.5mm grooves 18.72  
Total grooves 22.32  
-----Control area (151 x 140)

PRODUCT NAME  
TOYO PROXES 888RT

SIZE 185/580R15

# 18-235/40R18



# MRF TYRES

**CLASS 9"  
RIM 8.0"**

In the control area 170x140 mm (indicated in the dotted line)

Grooved area within Min. 5.5 mm deep grooves > 27.5%

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

**MRF 235/40R18 ZWR1 TL**

170

140

SECTION: A-A      SECTION: B-B

CHENNAI		INDIA	
SIGNATURE	G. Kumbhakar	APPROVED	T.N. Sunder
	PSE	VPRD /	PDM
DATE	10.02.2020		17.02.2020

**F.I.A COMPLIANCE FOR 235/40R18 ZWR1 TL**

CORPORATE TECHNICAL MOLD DESIGN	DRG No.	RR-235/40R18_0720
SAP DOCUMENT TYPE	SAP DOCUMENT No.	VER

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NOT TO SCALE

IF IN DOUBT ASK...



# MRF TYRES

**MRF** **205 / 45 R17 ZWR1 TL**

148.0

140.0

**CLASS 8"**  
**RIM 7.0"**

**In the control area 148 x 140 mm ( Indicated In the Dotted Line)**

Grooved area within Min. 5.5 deep grooves > 27.5%

The total width of the circumferential line is >12 mm

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

**SECTION A-A**

**F.I.A COMPLIANCE FOR 205 / 45 R17 ZWR1 TL**

DATE	DESCRIPTION	BY	HEAD

DRAWN	CHECKED	APPROVED	SCALE
SIGNATURE	DESIGNED		
DATE			

**CHENNAI MRF INDIA**

COMPONENT TECHNICAL MOULD NO. **FA-0001**

DATE: 08/02/2024

SCALE: 1:1

REVISIONS

DATE: 08/02/2024

SCALE: 1:1

REVISIONS



# MRF TYRES

**195 / 50 R16 ZWR1 TL**

148.0

140.0

**CLASS 8"**  
**RIM 6.5"**

Grooved area within Min. 5.5 deep grooves > 27.5%  
The total width of the circumferential line is >12 mm  
The sum of the width of the grooves encountered by radial line is >16 mm

In the control area 148 x 140 mm (Indicated in the Dotted Line)

CHENNAI		MRF		NGM	
DESIGNER	CHECKED/ISSUED	APPROVED	SCALE	DATE	BY
DESIGNER					
CHECKED/ISSUED					
APPROVED					
DATE					
BY					

**F.I.A COMPLIANCE FOR 195/50 R16 ZWR1TL**

COMPANY TECHNICAL WOULD DESIGN      DRG No.      F/A-0002

SAP DOCUMENT TYPE      SAP DOCUMENT No.      YES      NO

REVISION No.      00

IF YOU DOUBT ASK.      IS NOT SOLVE THE PROBLEM      CONTACT THE SALES      DEPARTMENT.

IF YOU DOUBT ASK.      IS NOT SOLVE THE PROBLEM      CONTACT THE SALES      DEPARTMENT.



**195 / 50 R15 ZWR1 TL**

**In the control area 148 x 140 mm (Indicated in the Dotted Line)**

Grooved area within Min. 5.5 deep grooves > 27.5%

The total width of the circumferential line is >12 mm

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

**CLASS 8"**  
**RIM 6.5"**

S.N.	DATE	DESCRIPTIONS	BY	HEAD (WORLD DESIGN)	VERO / PDM

**CHEMUNDA**  
  
**INDIA**

DRAWN	CHECKED/SKETCHED	APPROVED	SCALE
SIGNATURE	DESIGNER	ENGINEER / PDM	UNIT
DATE			
18.02.2021			

**F.I.A COMPLIANCE FOR 195/50 R15 ZWR1TL**

COMPONENT TECHNICAL WORLD DESIGN      DTD No.      FA-0003

SAP DOCUMENT TPRS      SAP DOCUMENT No.      VER      REV/REV No.      00

**DO NOT SCALE THE DRAWING**

**NET TO SCALE**

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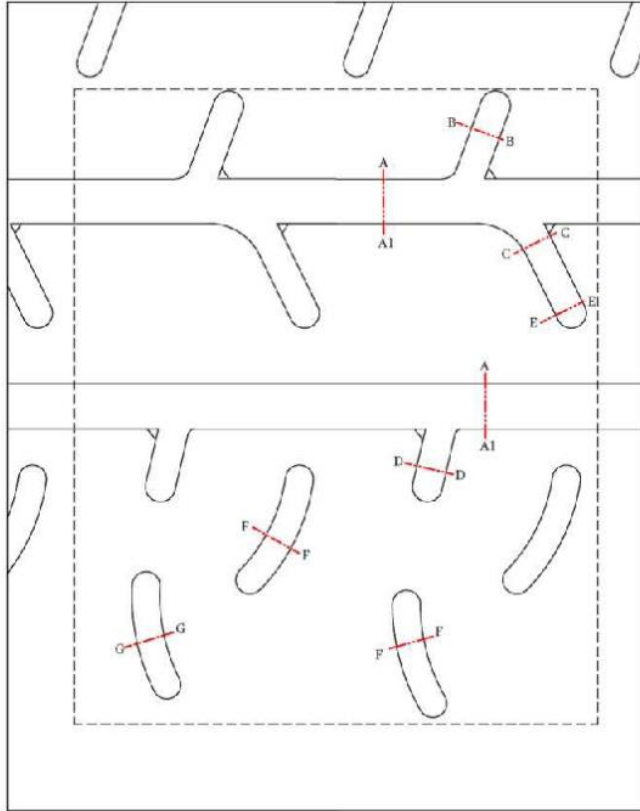
# 18"-235/40R18



# MRF TYRES



## MRF 235/40R18 ZTA1 TL



In the control area 170x140 mm (indicated in the dotted line)

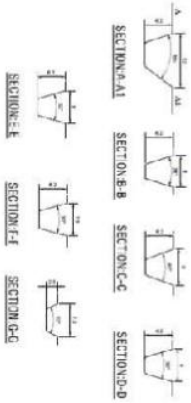
Grooved area within Min. 1.8 deep grooves > 21.5%

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"**



All dimensions are in mm, unless otherwise specified.  
If in doubt ask...  
NOT TO SCALE

S.No.	DATE	DESCRIPTIONS	REVISIONS	DRAWN	EXPD / P/WM

CHENNAI		INDIA	
DRAWN	APPROVED	SCALE	
G. Karthikeyan	J. N. Sankar	MKS	
UE	EXPD / P/WM		
28/01/18	29/01/18		

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

CONTRIBUTOR TECHNICAL MODEL DESIGN	DWG No.	RR-235/40R18_0518	REVISION No.	00
SAP DOCUMENT TYPE	SAP DOCUMENT No.			

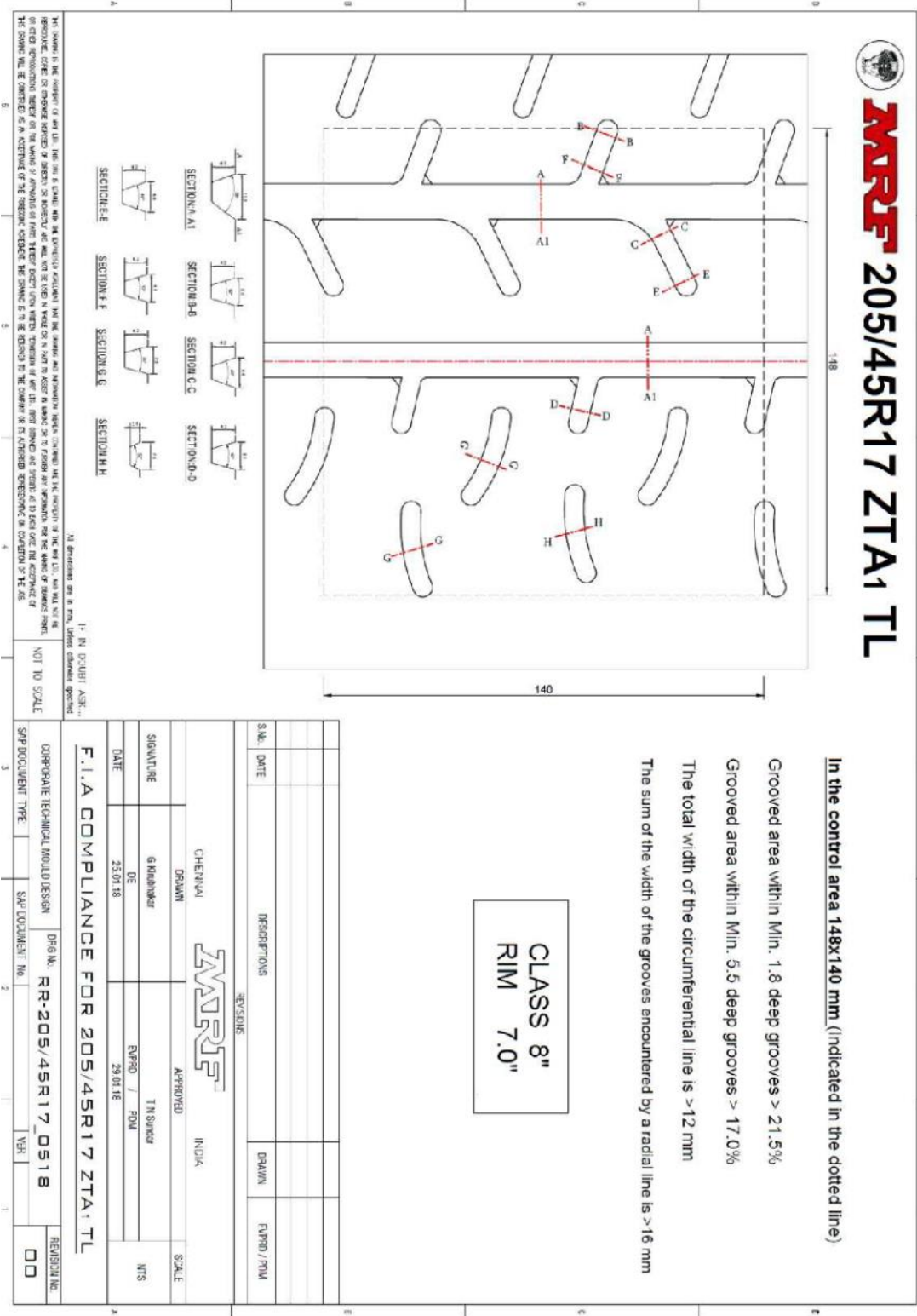




# MRF TYRES



## MRF 205/45R17 ZTA1 TL





# MRF TYRES

**MRF 195/50R16 ZTA1 TL**

148

140

**CLASS 8"**  
**RIM 6.5"**

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

S/N	DATE	DESCRIPTIONS	DRAWN	ENGRD / PDM

CHEVNAI  INDIA	APPROVED  T.V. Sundar	SCALE NTS
----------------------	-----------------------------	--------------

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

CORPORATE TECHNICAL WOULD DESIGN	DHS No.	R-R-195/50R16_0518
SAP DOCUMENT TYPE	SAP DOCUMENT No.	VER

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All dimensions are in mm unless otherwise specified.

(If 10) DO NOT ASK.

NOT TO SCALE

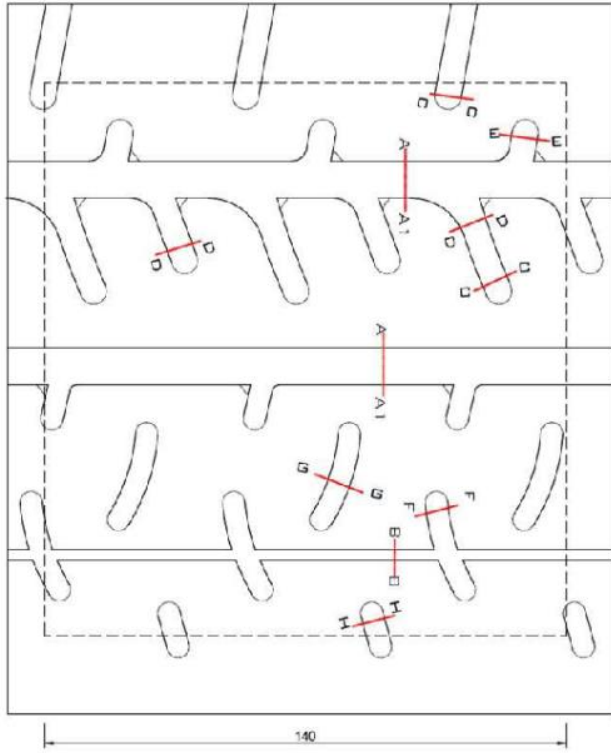
# 15"-195/50R15



# MRF TYRES



## MRF 195/50R15 ZTA1 TL



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

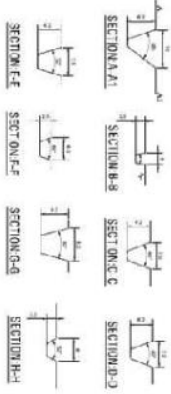
Grooved area within Min. 1.8 deep grooves > 21.5%

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"**



BE SHOWN IN THE PROJECTIONS OF THE DRAWING AND INDICATED BY THE DIMENSIONS AND NOTATION WITHIN THE DRAWING. THE DIMENSIONS AND NOTATION WITHIN THE DRAWING SHALL BE CONSIDERED AS THE DIMENSIONS AND NOTATION OF THE TYRE. THE DIMENSIONS AND NOTATION WITHIN THE DRAWING SHALL BE CONSIDERED AS THE DIMENSIONS AND NOTATION OF THE TYRE. THE DIMENSIONS AND NOTATION WITHIN THE DRAWING SHALL BE CONSIDERED AS THE DIMENSIONS AND NOTATION OF THE TYRE.

IF IN DOUBT ASK...  
NOT TO SCALE

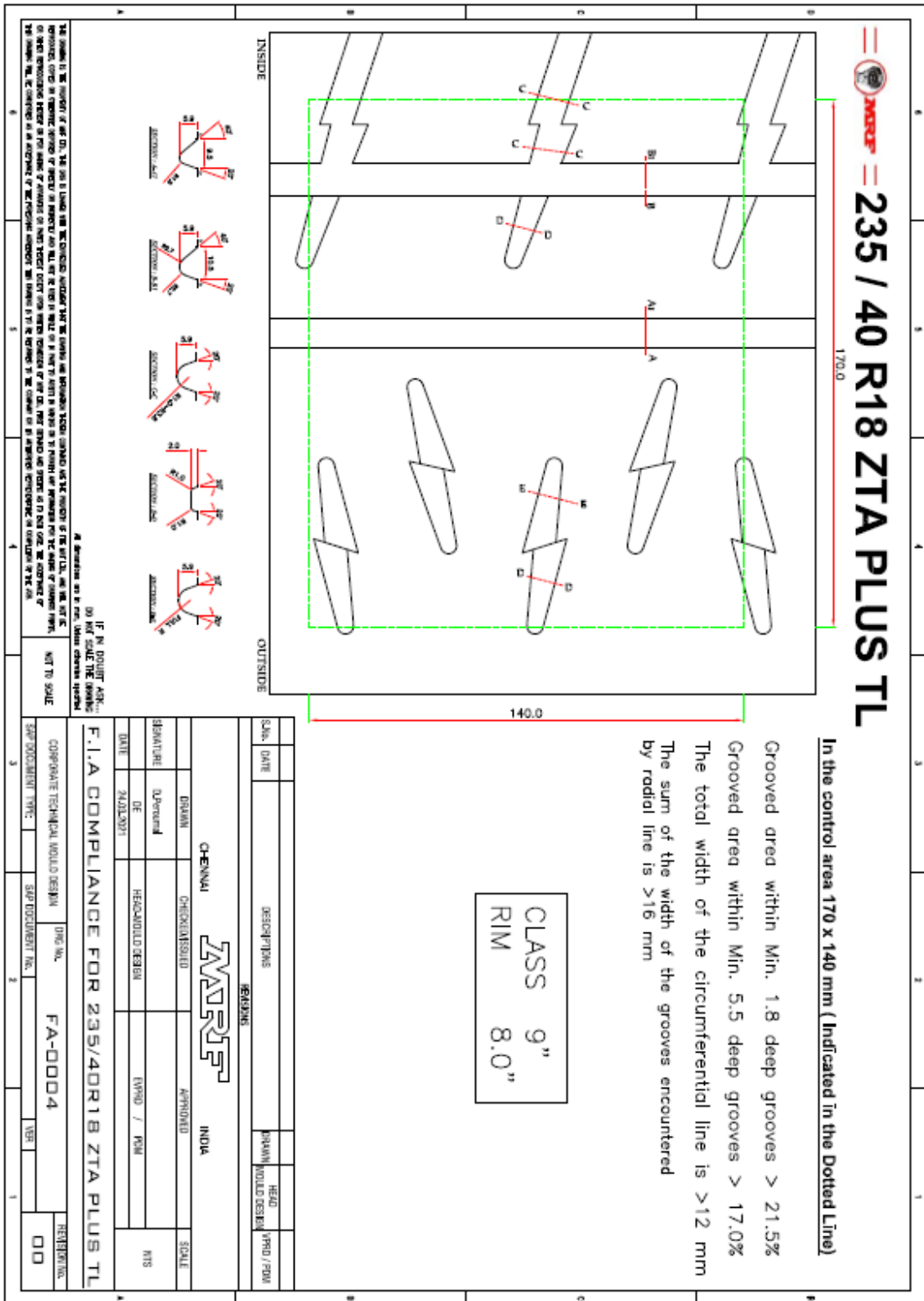
S.N.	DATE	DESCRIPTIONS	DRAWN	EXPRO/PJM

CHENNAI		INDIA	
DRAWN	APPROVED	DATE	SCALE
G. Kishore Kumar	T. N. Sankar	29/01/18	MIS
DATE	EXPRO / PJM		
28/01/18			

<b>F.I.A COMPLIANCE FOR 195/50R15 ZTA1 TL</b>			
COPYRIGHT TECHNICAL MATERIAL DESIGN	DRG. NO.	RR-195/50R15_0518	REVISION No.
SAF DOCUMENT TYPE	SAF DOCUMENT NO.		00



**MRF TYRES**



# 17"-205/45R17



# MRF TYRES

**MRF 205 / 45 R17 ZTA PLUS TL**

148.0

140.0

**CLASS 8" RIM 7.0"**

**In the control area 148 x 140 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 radial line is >16 mm

**F.I.A COMPLIANCE FOR 205/45R17 ZTA PLUS TL**

S.No.	DATE	DESCRIPTIONS	DRAWN	HEAD	APPROD	MOULD DESIGN
<b>REVISIONS</b>						

<b>CHENNAI</b>		<b>MRF INDIA</b>		SCALE
DRAWN	CHECKED/ISSUED	APPROVED		
D.Perumal				NTS
DATE	HEAD-MOULD DESIGN	EMPRD / POM		
03.11.2022				

CORPORATE TECHNICAL MOULD DESIGN		DRG No.	FA-0010	REVISION No.	00
SAP DOCUMENT TYPE:	SAP DOCUMENT No.	VER			

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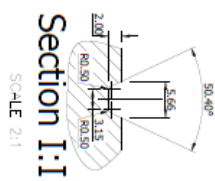
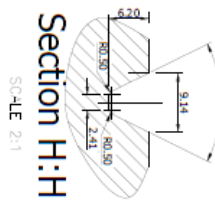
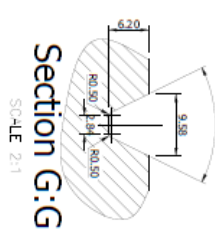
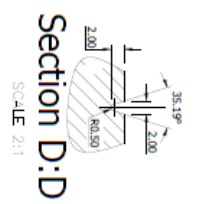
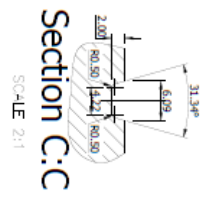
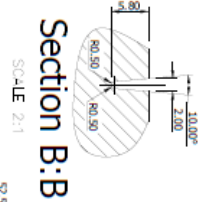
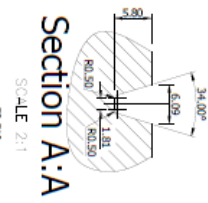
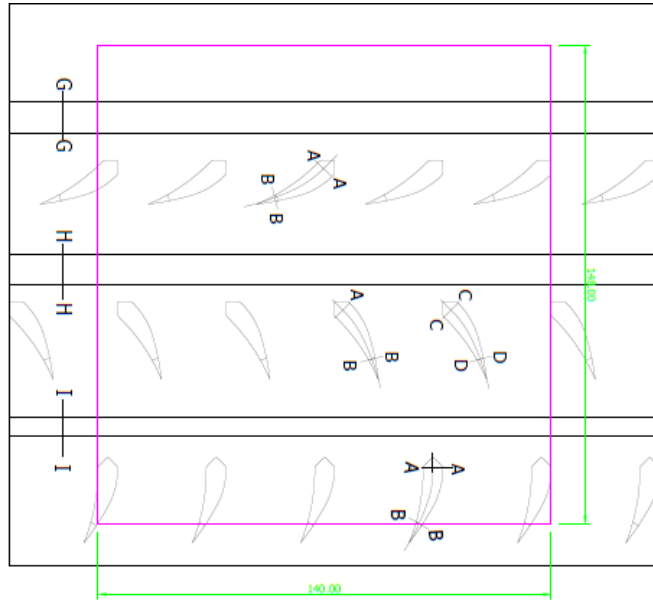
F.I.A. COMPLIANCE FOR 205/45R17 ZTA PLUS TL

DO NOT SCALE THE DRAWING

NOT TO SCALE

All dimensions are in mm. Unless otherwise specified.

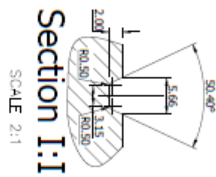
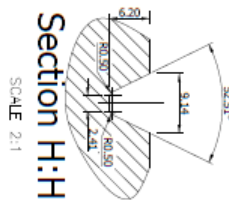
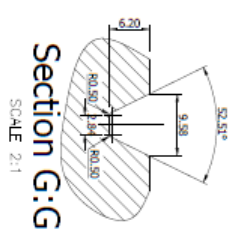
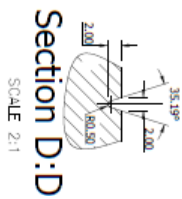
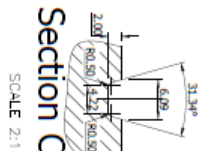
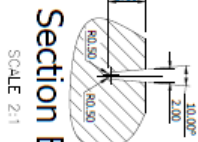
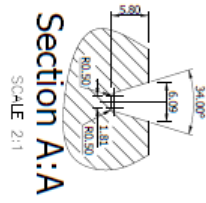
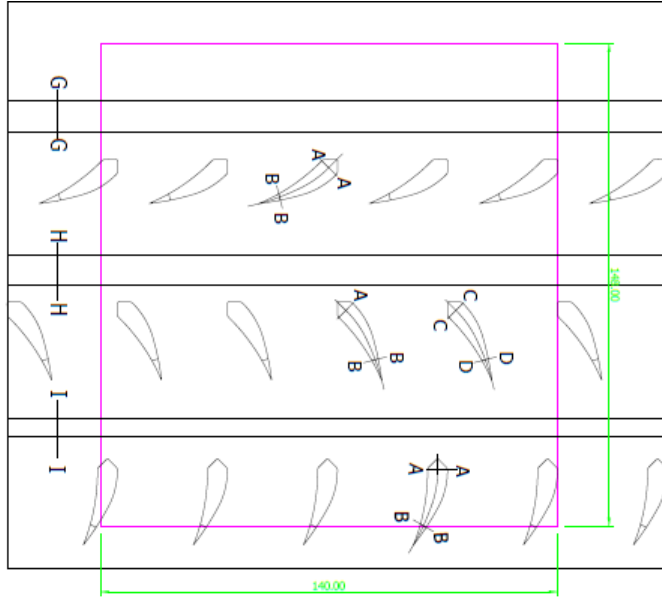
# 15"-195/50R15



5.5m Groove - 17.74%  
Total Grooves - 22.46%

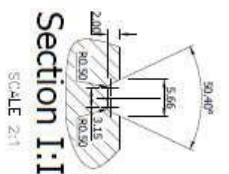
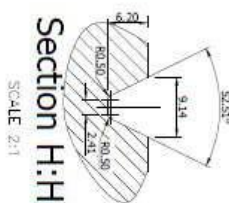
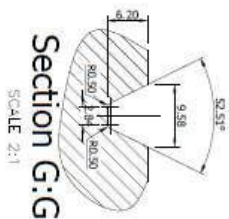
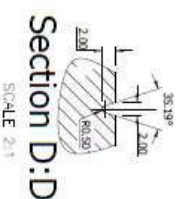
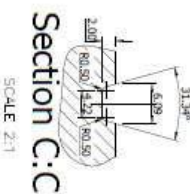
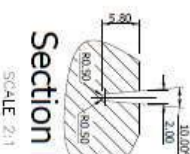
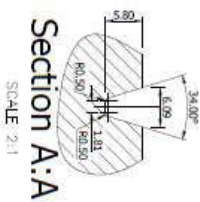
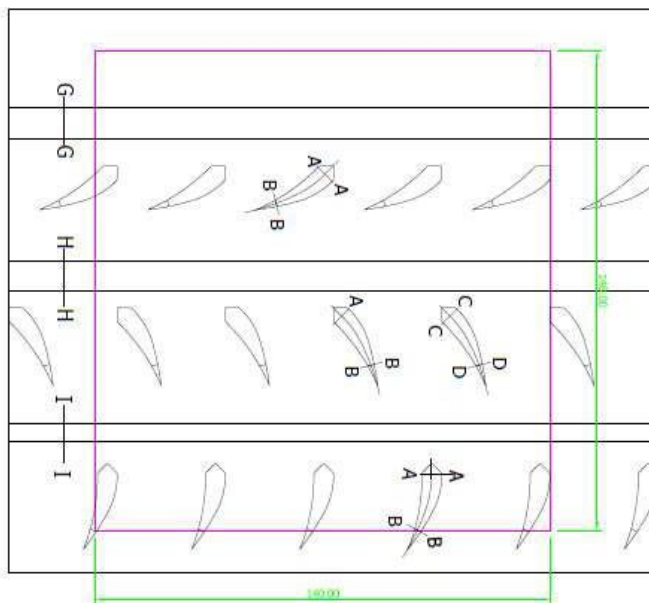
Rim - 7.0"  
Class - 8.0"

# 68"-195/50R68



5.5m Groove - 17.62%  
 Total Grooves - 22.35%  
 Rim - 7.0"  
 Class - 8.0"

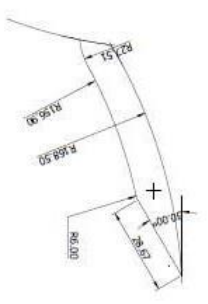
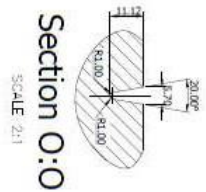
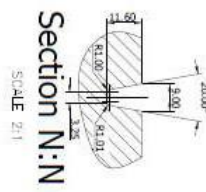
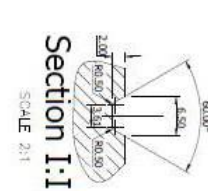
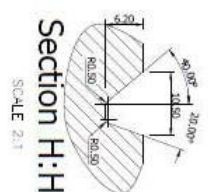
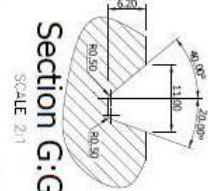
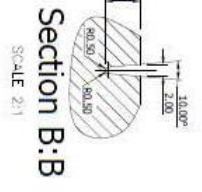
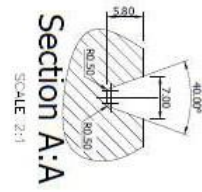
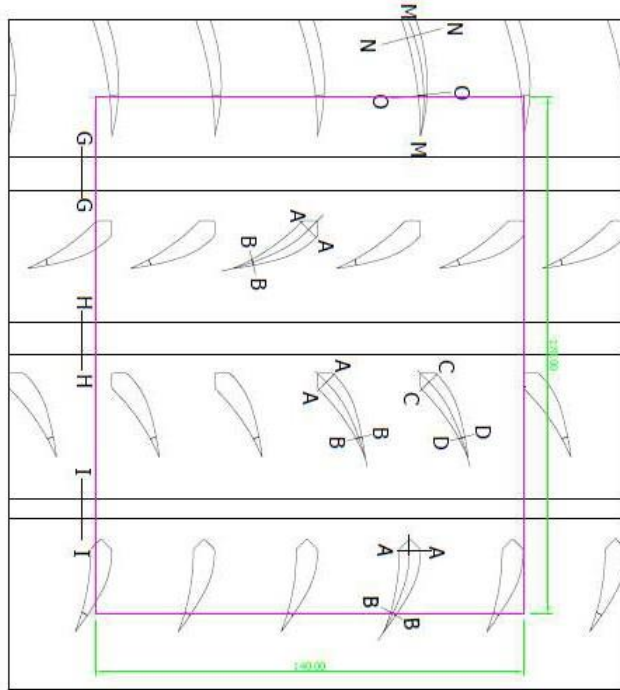
# 69"-205/45R69



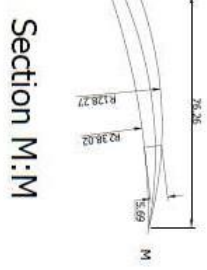
5.5m Groove - 17.78%  
Total Grooves - 22.50%  
Rim - 7.0"  
Class - 8.0"

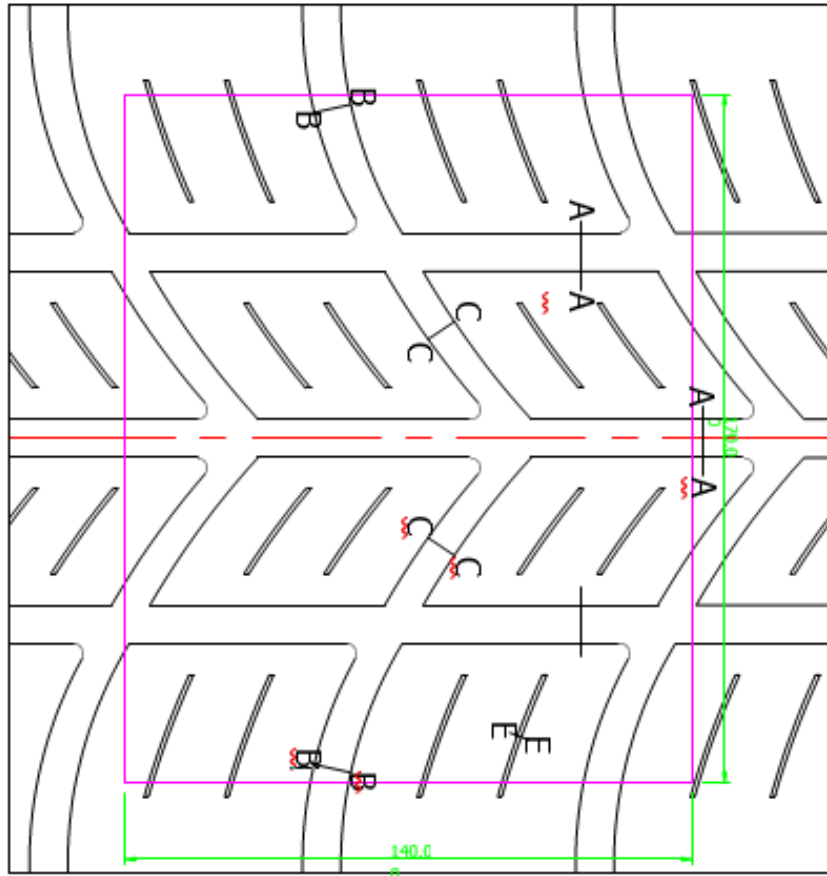


# 70"-225/40R70

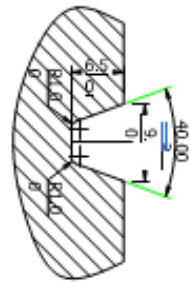


5.5m Groove - 18.35%  
 Total Grooves - 23.23%  
 Rim - 8.0"  
 Class - 9.0"

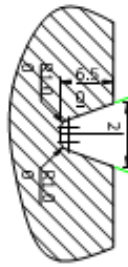




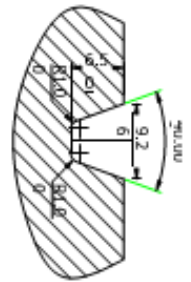
Grooved Area with min 5.5mm > 27.5%



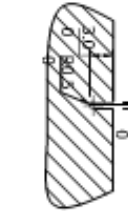
Section A:A  
SCALE 2:1



Section C:C  
SCALE 2:1



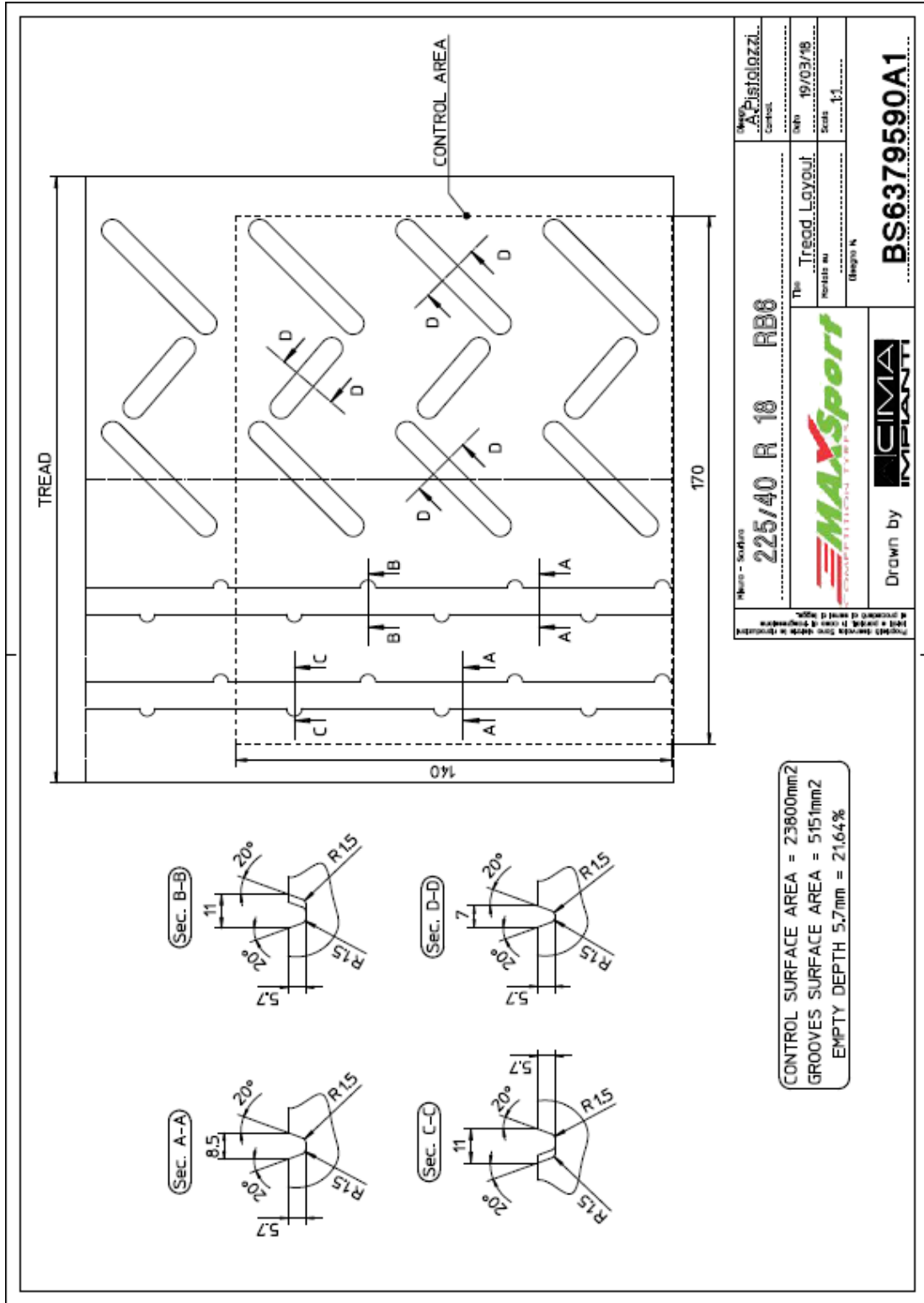
Section B:B  
SCALE 2:1



Section E:E  
SCALE 2:1

DRAWING REFERENCES		APPROVED BY	
DIMENSIONS	COOPER TIRES & RUBBER EUROPE LTD. MILKSHAM WILTSHIRE ENGLAND.		
SCALE	1:1, 2:1	DATE	14/06/21
SCALE	1:1, 2:1	REV	18P
SCALE	1:1, 2:1	REV	18P

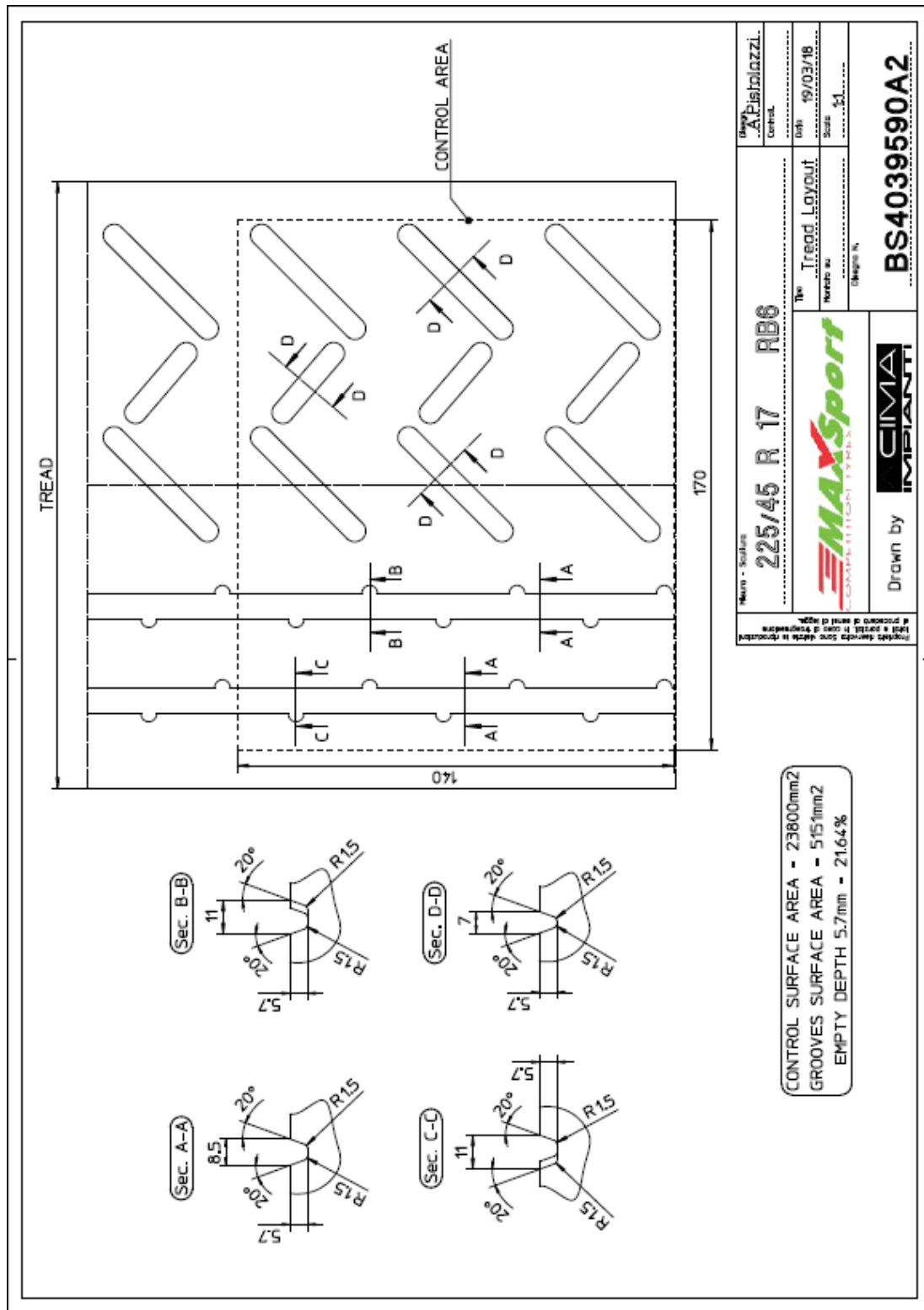
# 18"-225/40R18



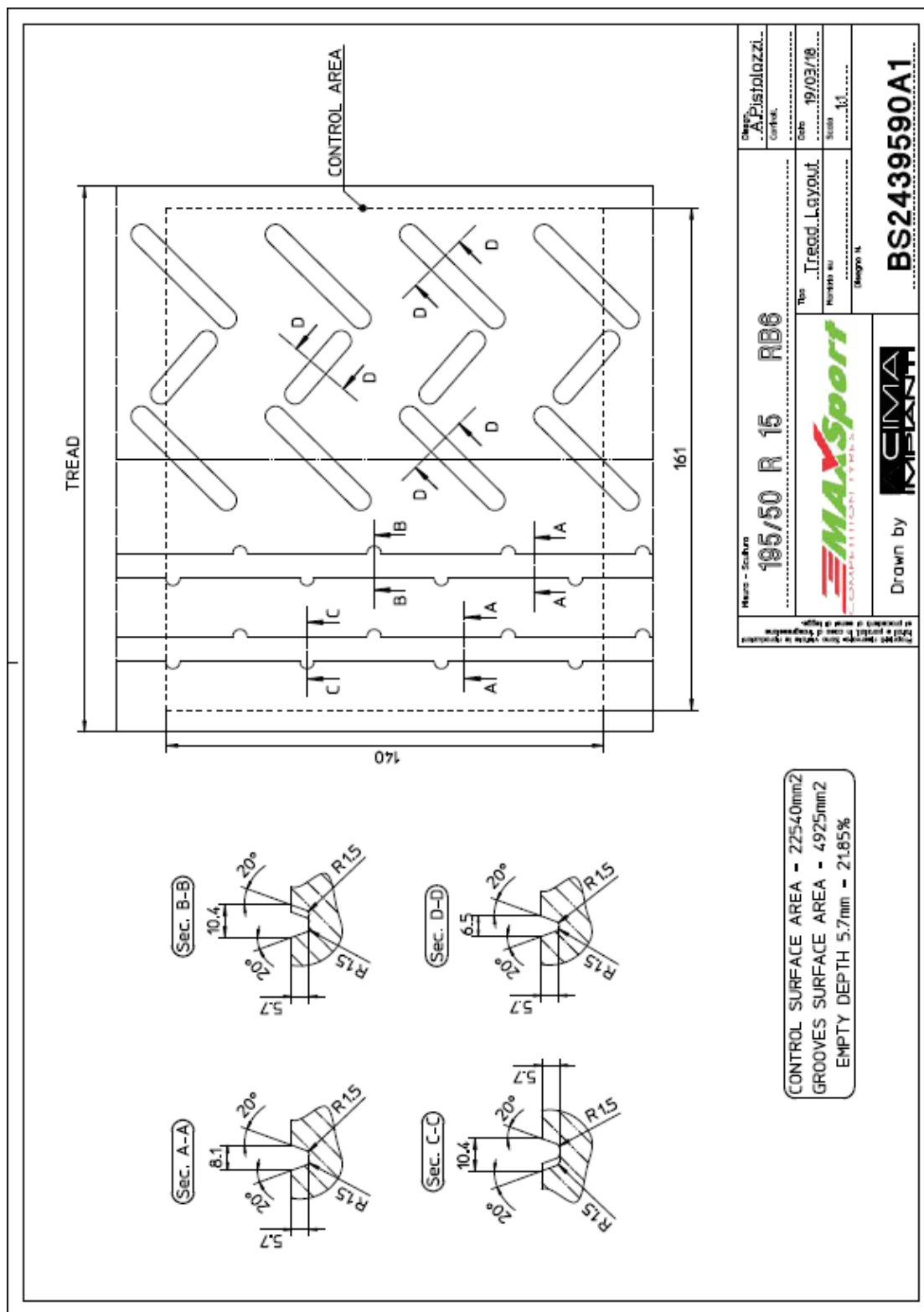
CONTROL SURFACE AREA = 23800mm<sup>2</sup>  
 GROOVES SURFACE AREA = 5151mm<sup>2</sup>  
 EMPTY DEPTH 5.7mm = 21.64%

Tipo - Surface <b>225/40 R 18 RB6</b>	Tipo - Tread Layout <b>RB6</b>	Disegnato da Acistolozzi
Disegnato da <b>MAX Sport</b> <small>CONFESSIONI TRUCK</small>	Data 19/03/18	Scala 1:1
Disegnato da <b>CIMA</b>	Disegnato da <b>BS6379590A1</b>	

# 17"-224/45R17



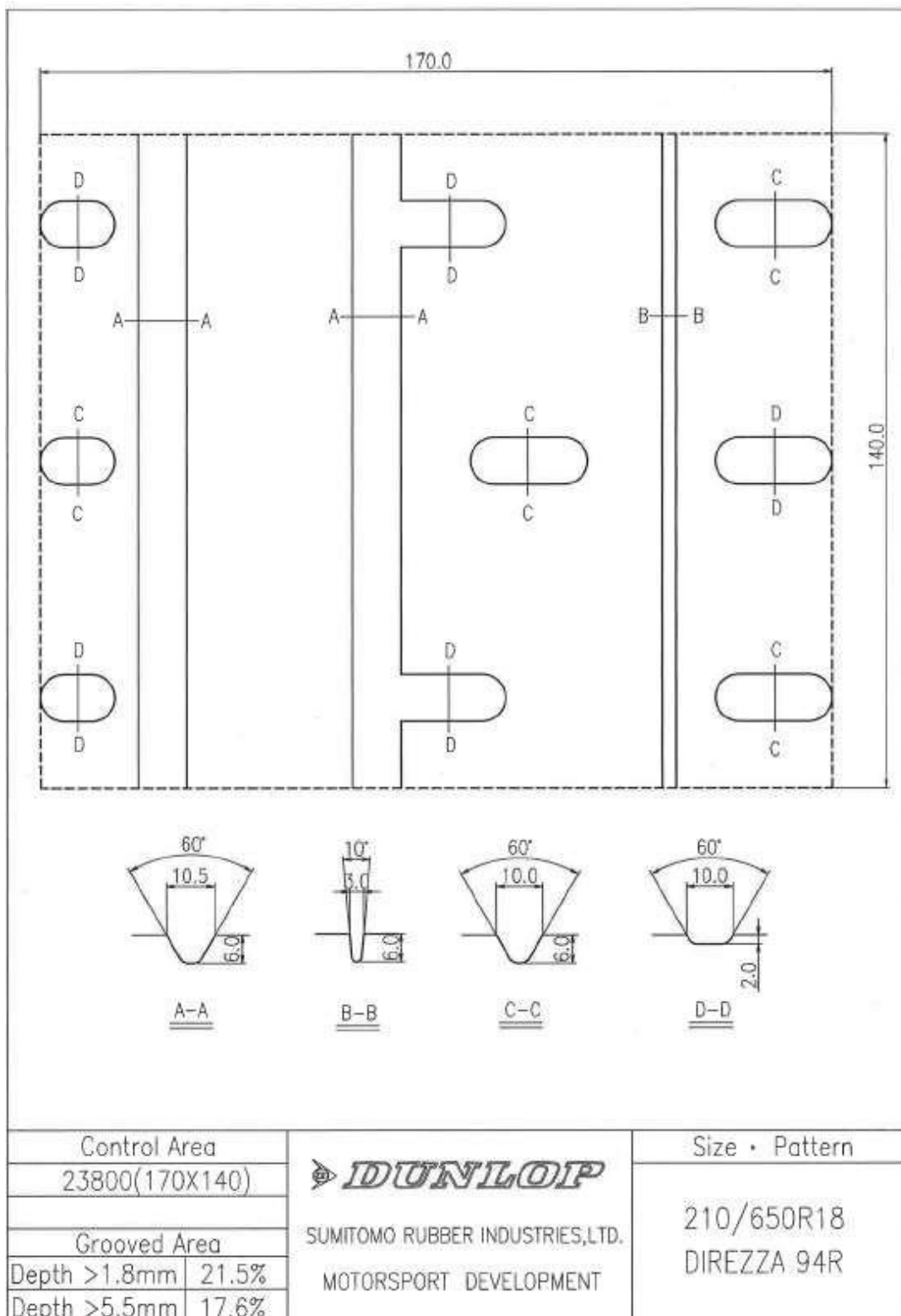
# 15"-195/50R15



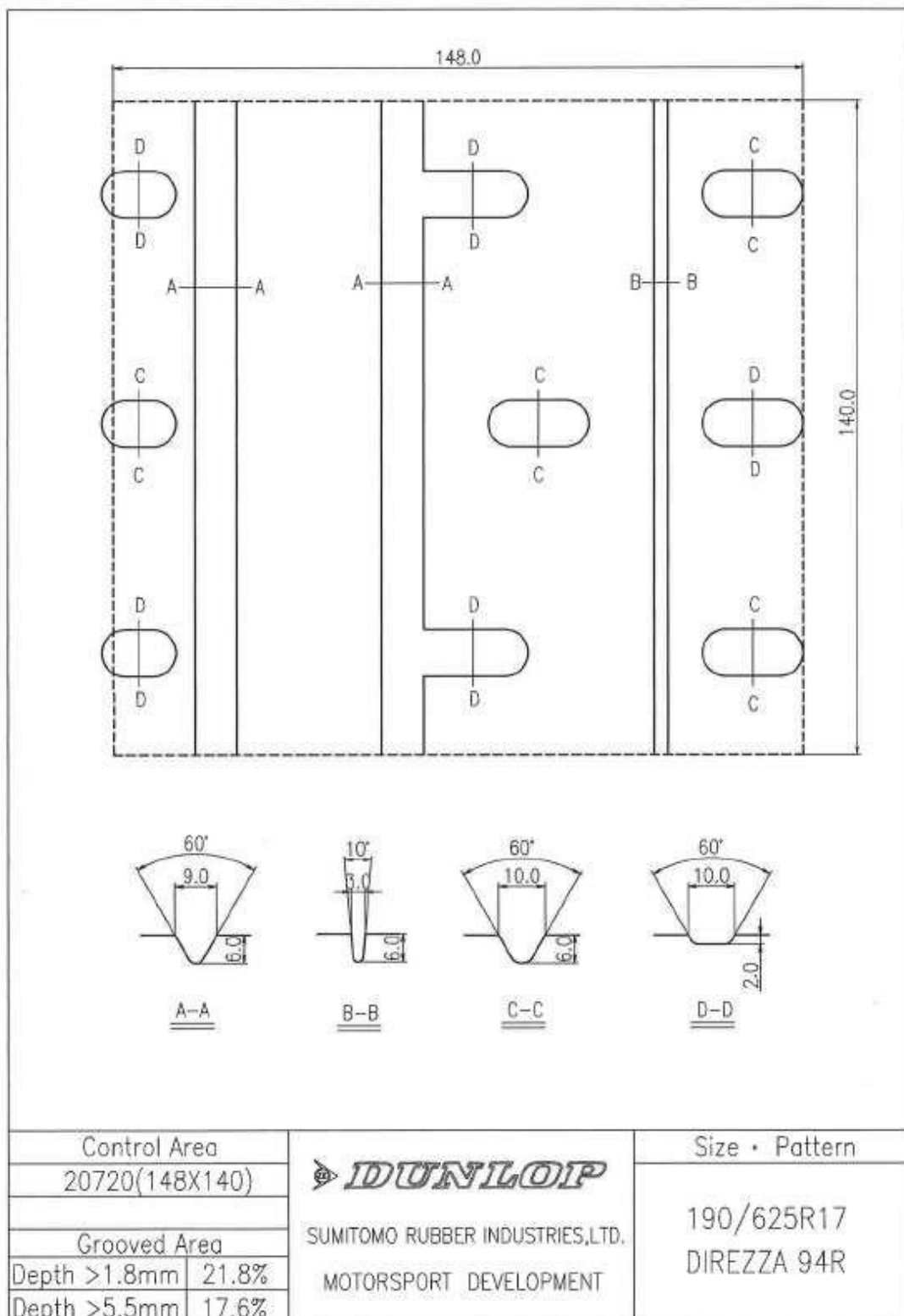
Disegnato <b>A. Pistalozzi</b> Control.	Data 19/03/18 Scala 1:1 Disegno N.
Tipo <b>195/50 R 15 RB6</b> Variante n.	Tipo <b>Tread Layout</b> Variante n.
Disegnato da <b>195/50 R 15 RB6</b>	Disegnato da <b>BS2439590A1</b>

CONTROL SURFACE AREA - 22540mm<sup>2</sup>  
 GROOVES SURFACE AREA - 4925mm<sup>2</sup>  
 EMPTY DEPTH 5.7mm - 21.85%

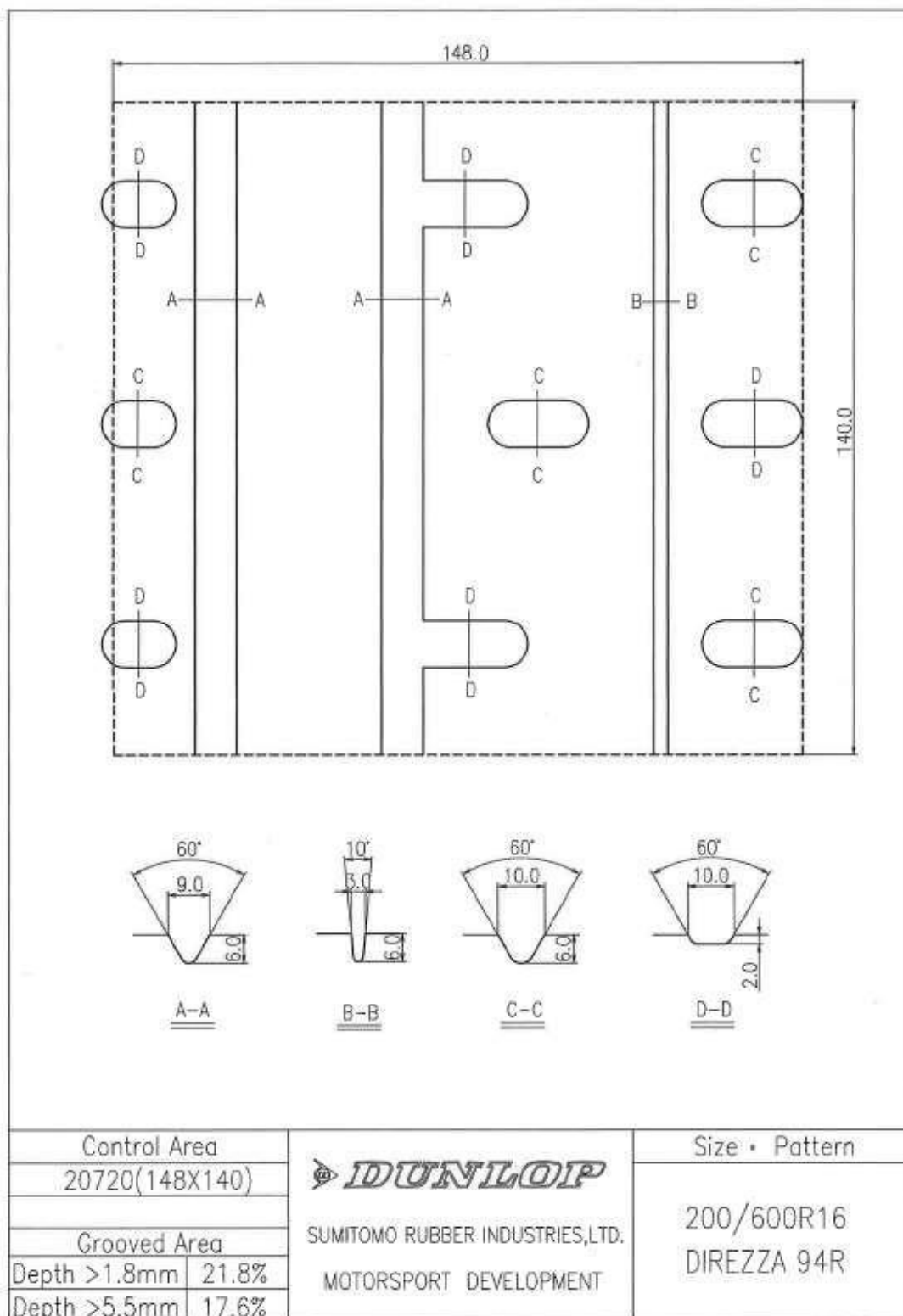
# 18"-210/650R18



# 17"-190/625R17

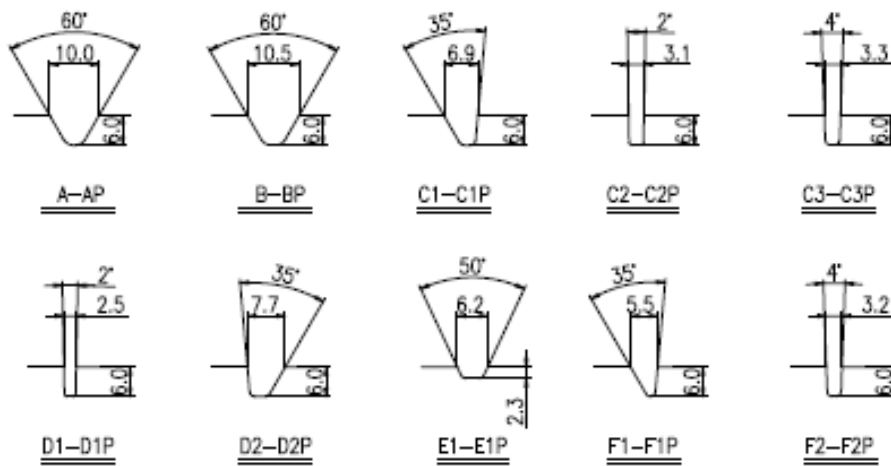
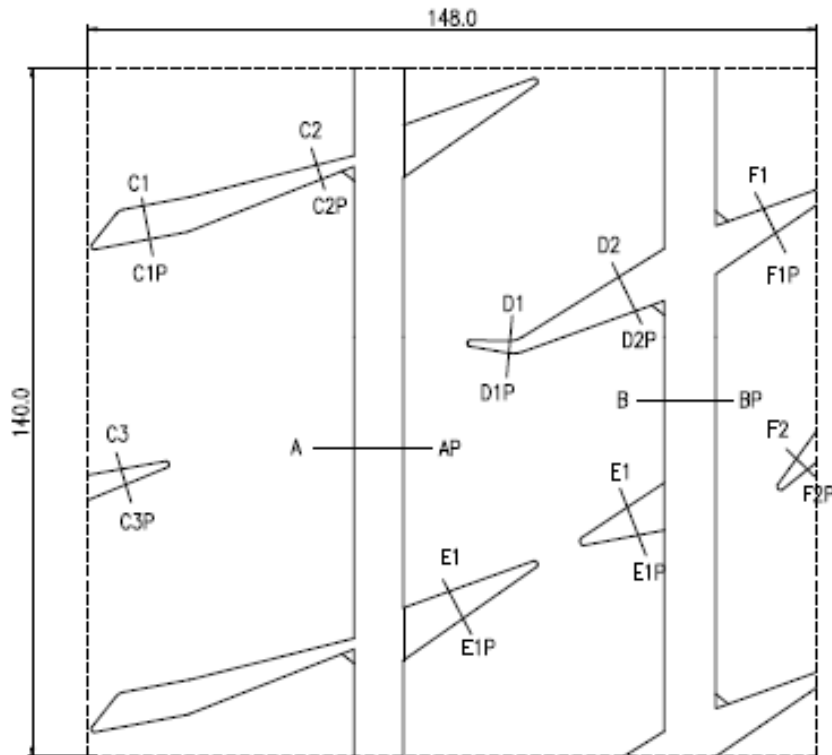


# 16"-200/600R16



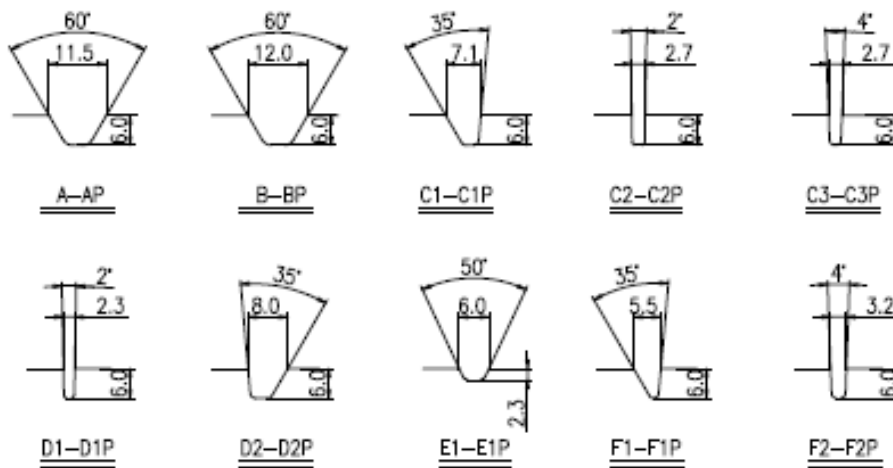
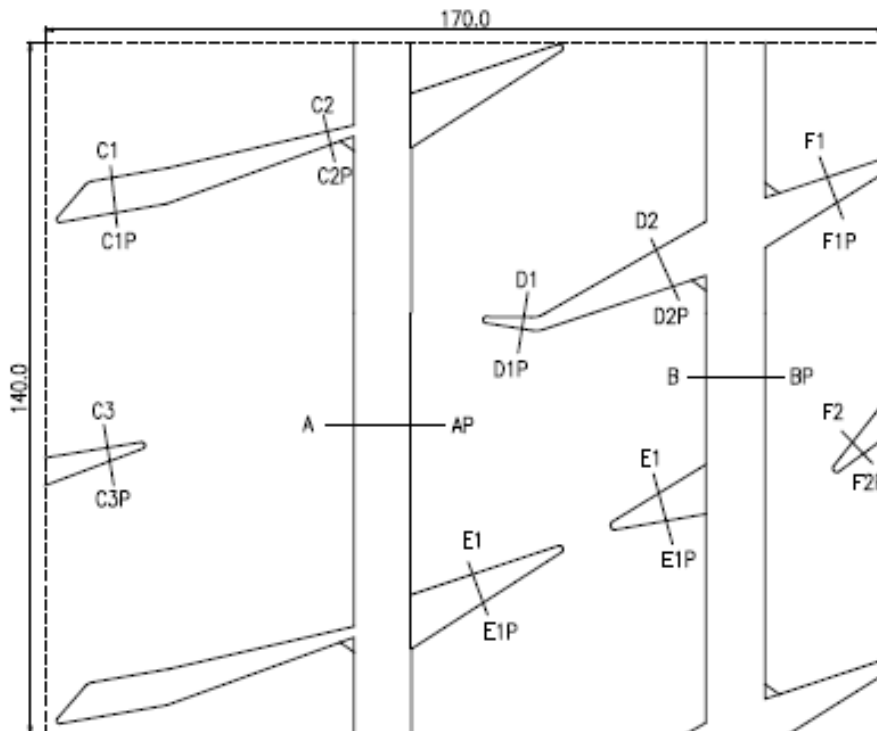


# 190/625 R17



Control Area 20720(148X140)	 SUMITOMO RUBBER INDUSTRIES, LTD. MOTOR SPORTS DEPARTMENT	Size • Pattern
Grooved Area		190/625R17
Depth >1.8mm   22.0%		DIREZZA 301R
Depth >5.5mm   19.4%		

# 210/650 R18



Control Area	
23800(170X140)	
Grooved Area	
Depth >1.8mm	21.5%
Depth >5.5mm	19.3%

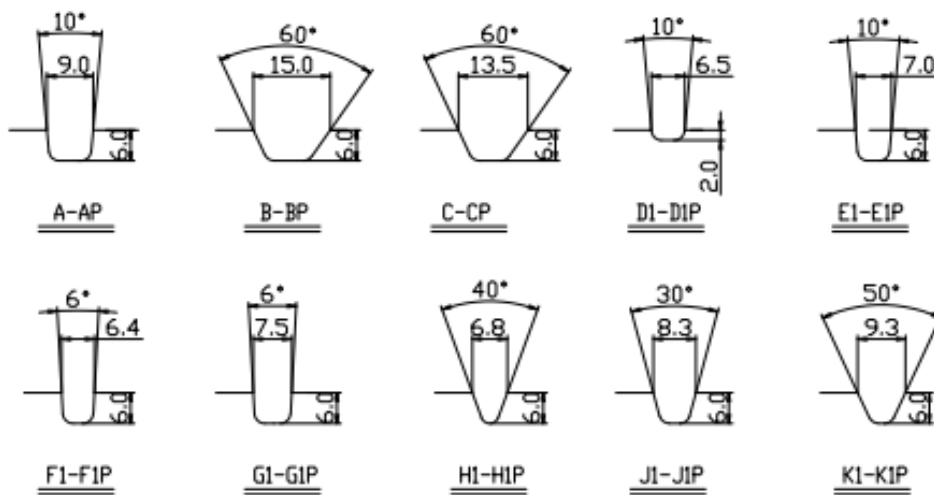
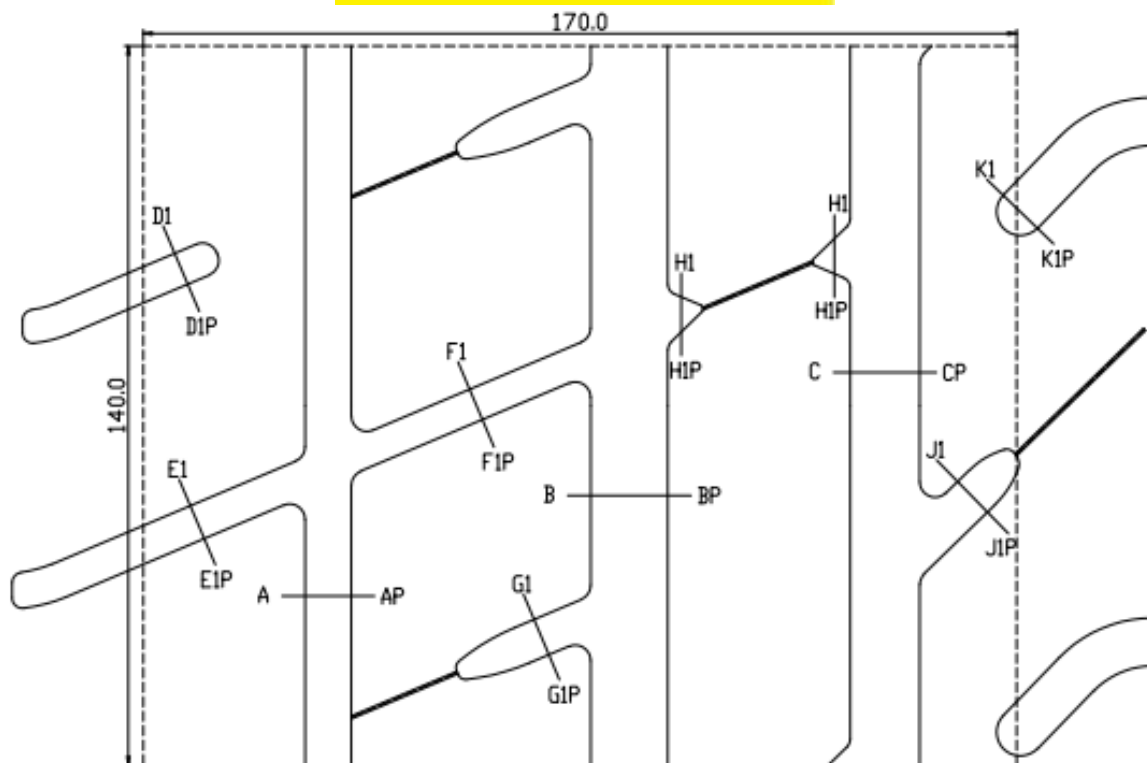


SUMITOMO RUBBER INDUSTRIES, LTD.  
MOTOR SPORTS DEPARTMENT

Size • Pattern

210/650R18  
DIREZZA 301R

# 210/650 R18



Control Area 23800(170X140)	 SUMITOMO RUBBER INDUSTRIES,LTD. MOTOR SPORTS DEPARTMENT	Size · Pattern
Grooved Area Depth >5.5mm    27.7%		210/650R18 DIREZZA 201R

# 18"-20/65R18

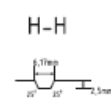
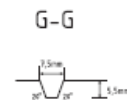
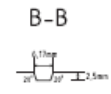
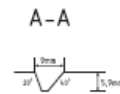
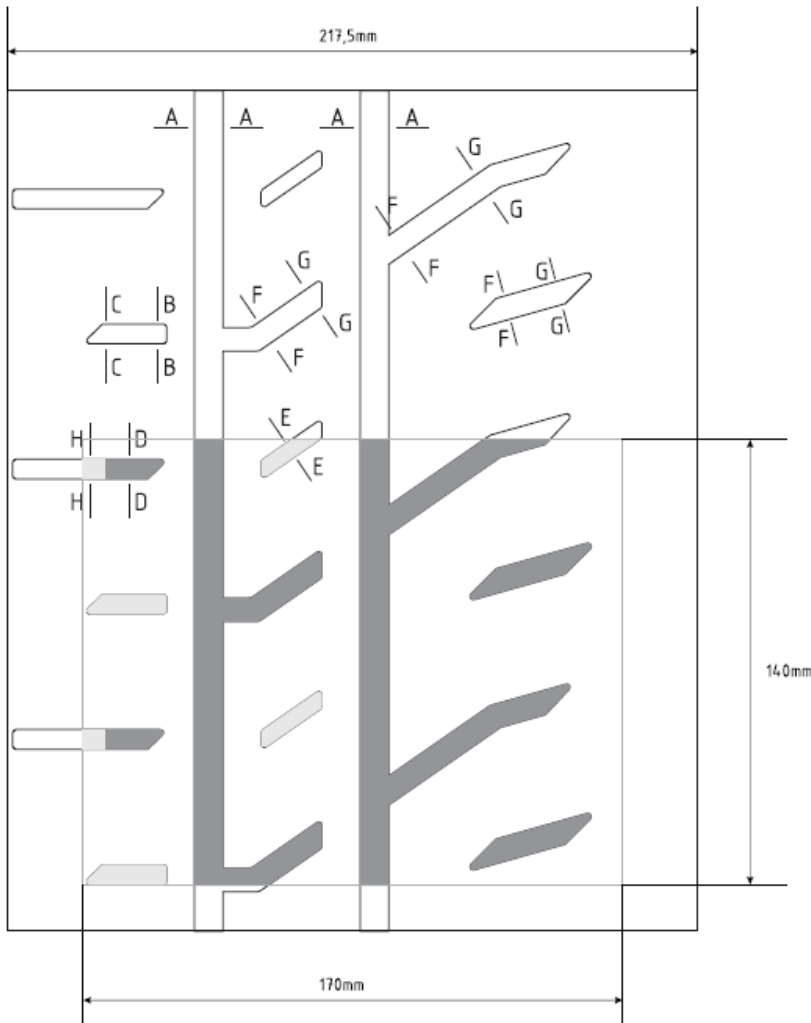


Name: EXTREME VRC  
Size: 20/65-18

Width of the tyre/rim assembly: 224mm (8,8")

Control area: 170x140mm = 23800mm<sup>2</sup>  
Over 5,5mm depth grooves area = 4550mm<sup>2</sup> (19,12%)  
Over 1,8mm depth grooves area = 5118mm<sup>2</sup> (21,50%)

1,8mm ≤ groove depth ≤ 5,5mm  
5,5mm ≤ groove depth



Scale: 1:1

# 13"-20/54R13



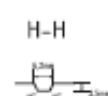
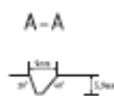
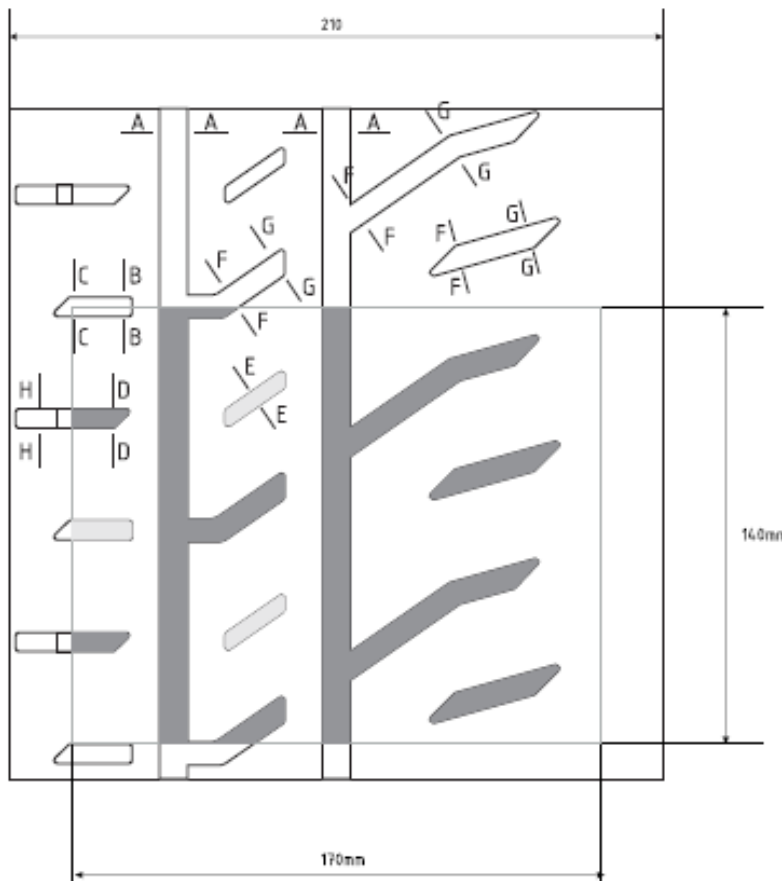
Name: EXTREME VRC

Size: 20/54-13

Width of the tyre/rim assembly: 216mm (8,5")

Control area: 170x140mm = 23800mm<sup>2</sup>  
 Over 5,5mm depth grooves area = 4171mm<sup>2</sup> (17,55%)  
 Over 1,8mm depth grooves area = 5128mm<sup>2</sup> (21,55%)

 1,8mm ≤ groove depth ≤ 5,5mm  
 5,5mm ≤ groove depth



Scale: 1:1

# 18"-28/66R18 -R-GT



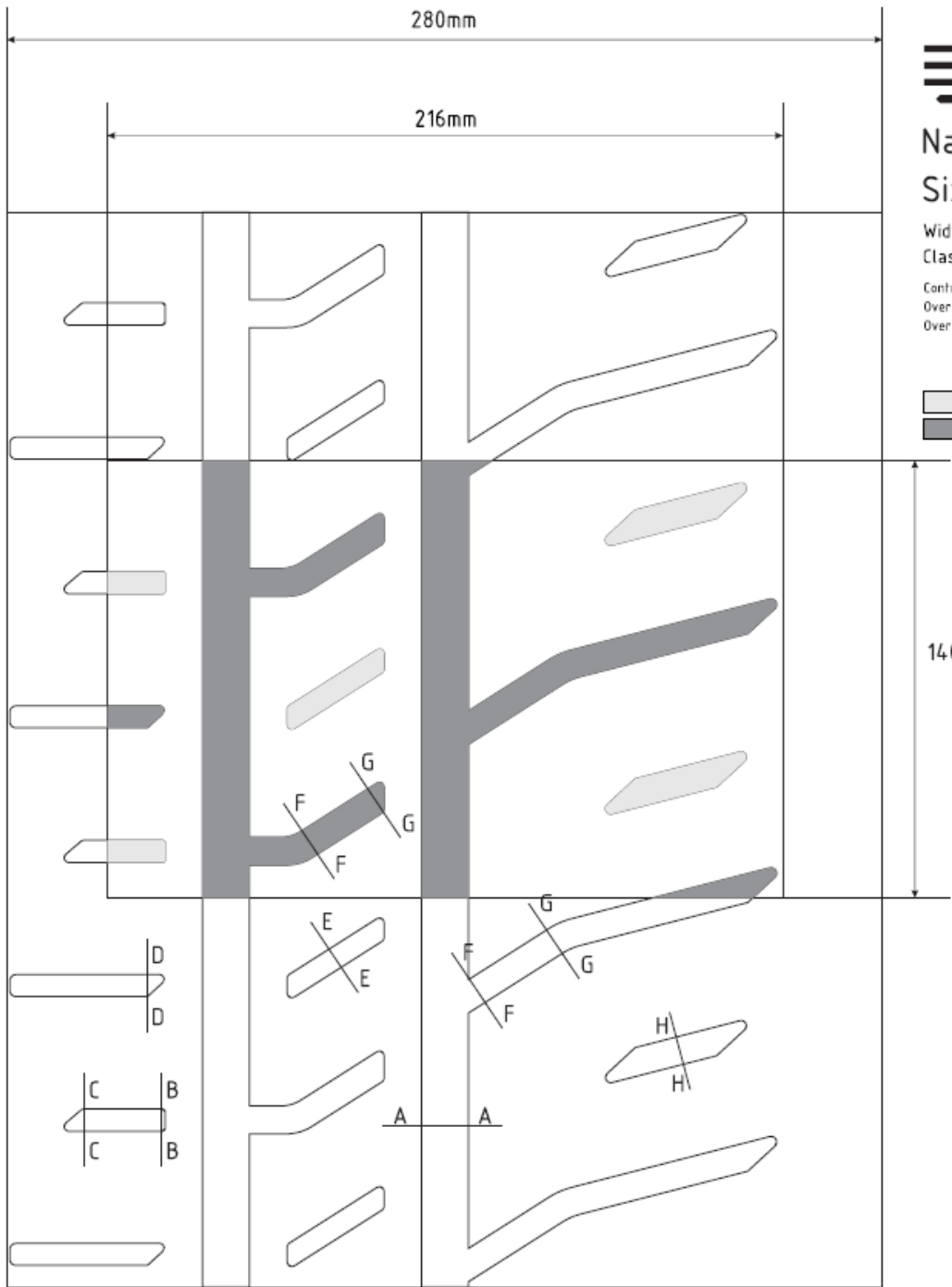
Name: EXTREME VRC

Size: 28/66-18

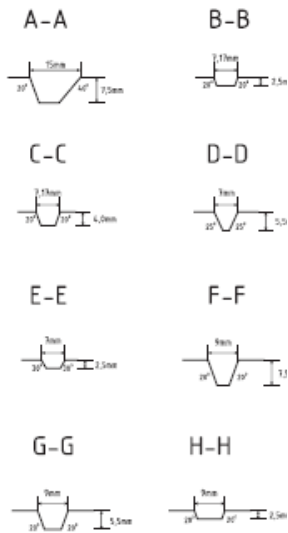
Width of the tyre/rim assembly: 289mm  
Class: RGT

Control area: 216x140mm = 30240mm<sup>2</sup>  
Over 5,5mm depth grooves area = 6295mm<sup>2</sup> (20,82%)  
Over 1,8mm depth grooves area = 7518mm<sup>2</sup> (24,86%)

1,8mm ≤ groove depth ≤ 5,5mm  
5,5mm ≤ groove depth



140mm



Scale: 1:1

# 16"-19/60R16



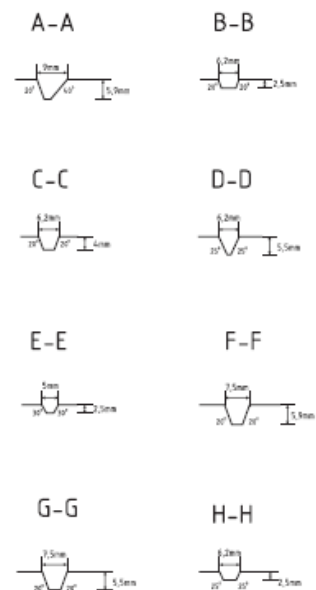
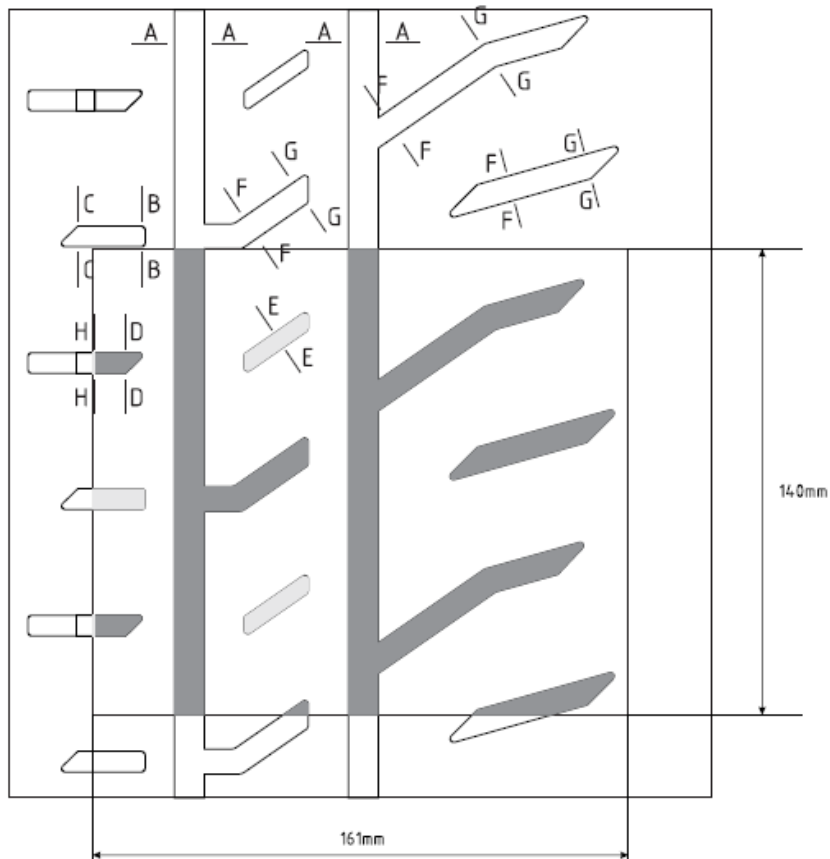
Name: EXTREME VRC

Size: 19/60-16

Width of the tyre/rim assembly: 206mm (8,1

Control area: 161x140mm = 22540mm<sup>2</sup>  
 Over 5,5mm depth grooves area = 4518mm<sup>2</sup> (20,04%)  
 Over 1,8mm depth grooves area = 4855mm<sup>2</sup> (21,54%)

1,8mm ≤ groove depth ≤ 5,5mm  
 5,5mm ≤ groove depth



Scale: 1:1

# 15"-19/58R15



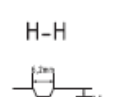
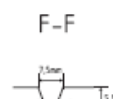
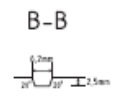
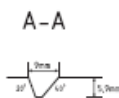
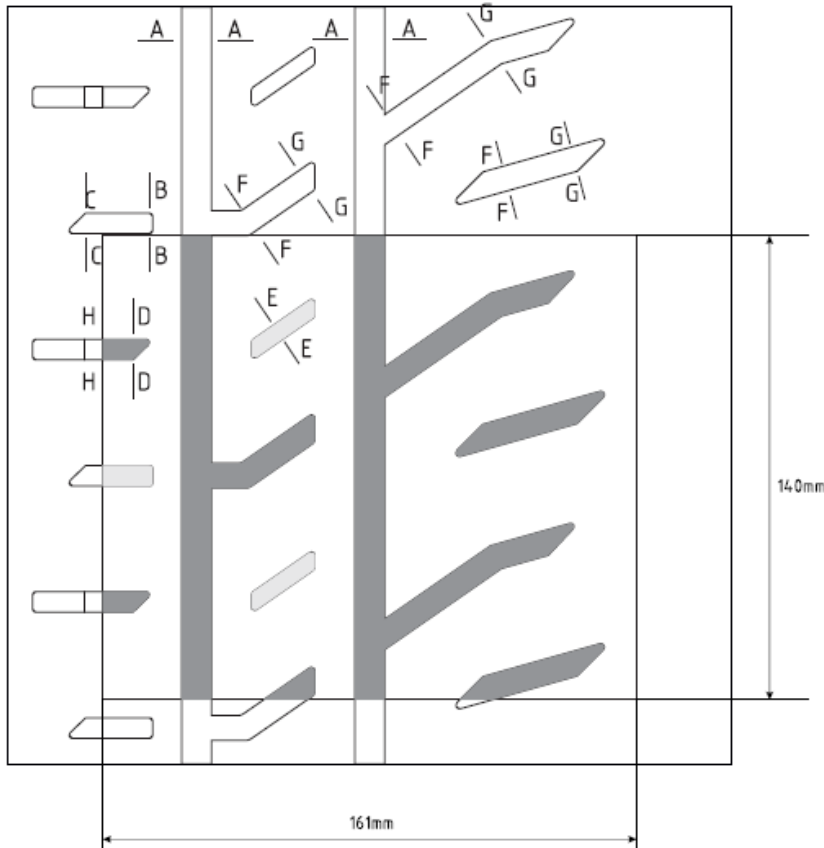
Name: EXTREME VRC

Size: 19/58-15

Width of the tyre/rim assembly: 207mm (8,1")

Control area: 161x140mm = 22540mm<sup>2</sup>  
 Over 5,5mm depth grooves area = 4530mm<sup>2</sup> (20,10%)  
 Over 1,8mm depth grooves area = 4852mm<sup>2</sup> (21,53%)

- 1,8mm ≤ groove depth ≤ 5,5mm
- 5,5mm ≤ groove depth



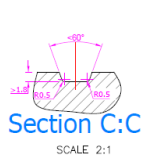
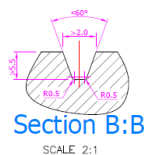
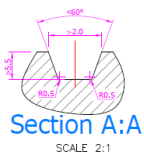
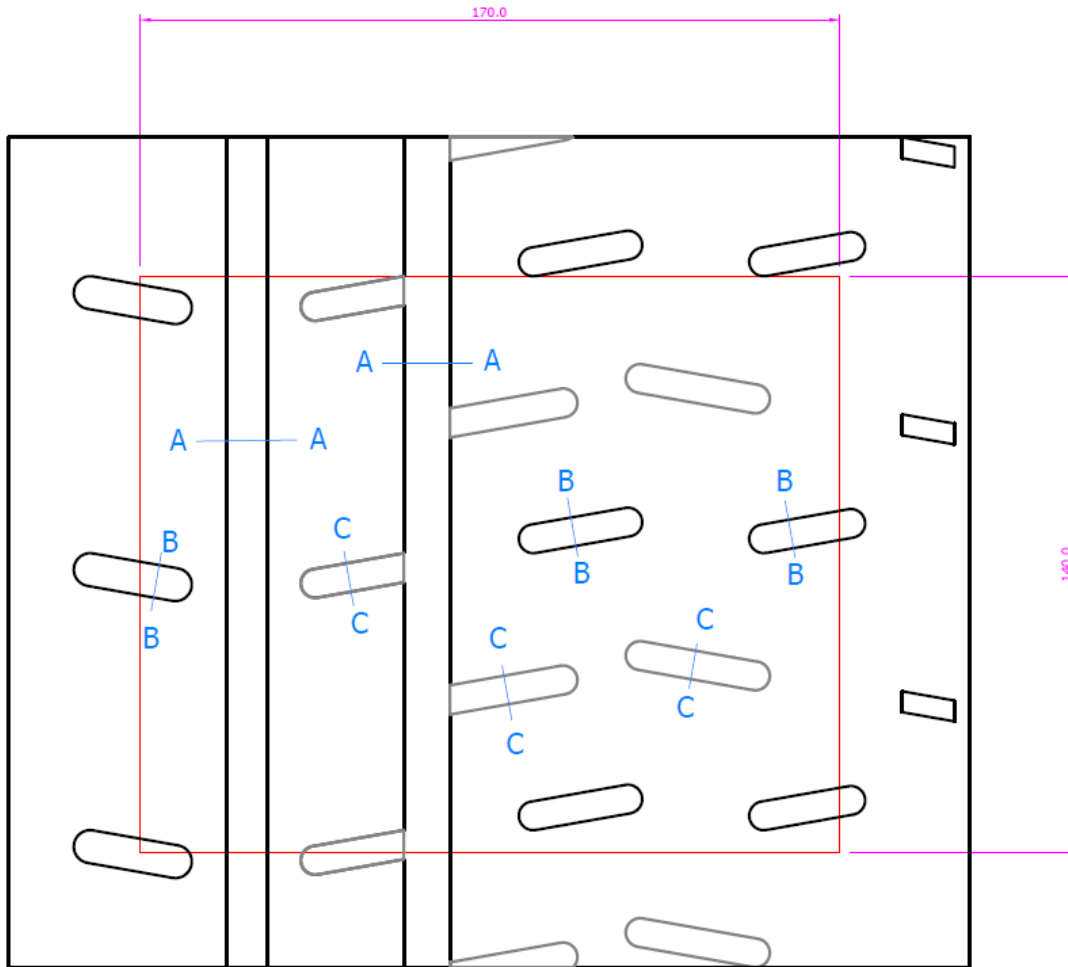
Scale: 1:1



# 225/40 R18



# Baracatt



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%

DIMENSIONS		1		MODIFICATION		DATE	SIGN
MM	225/40 R18 DMT RC+ - FIA Homologation table	ISSUE					
MATERIAL	BARACATT TYRES			SCALE:	1:1, 2:1, 3:1	DRN:	19/07/2023 BY: D. Hallbead
						23DC001	