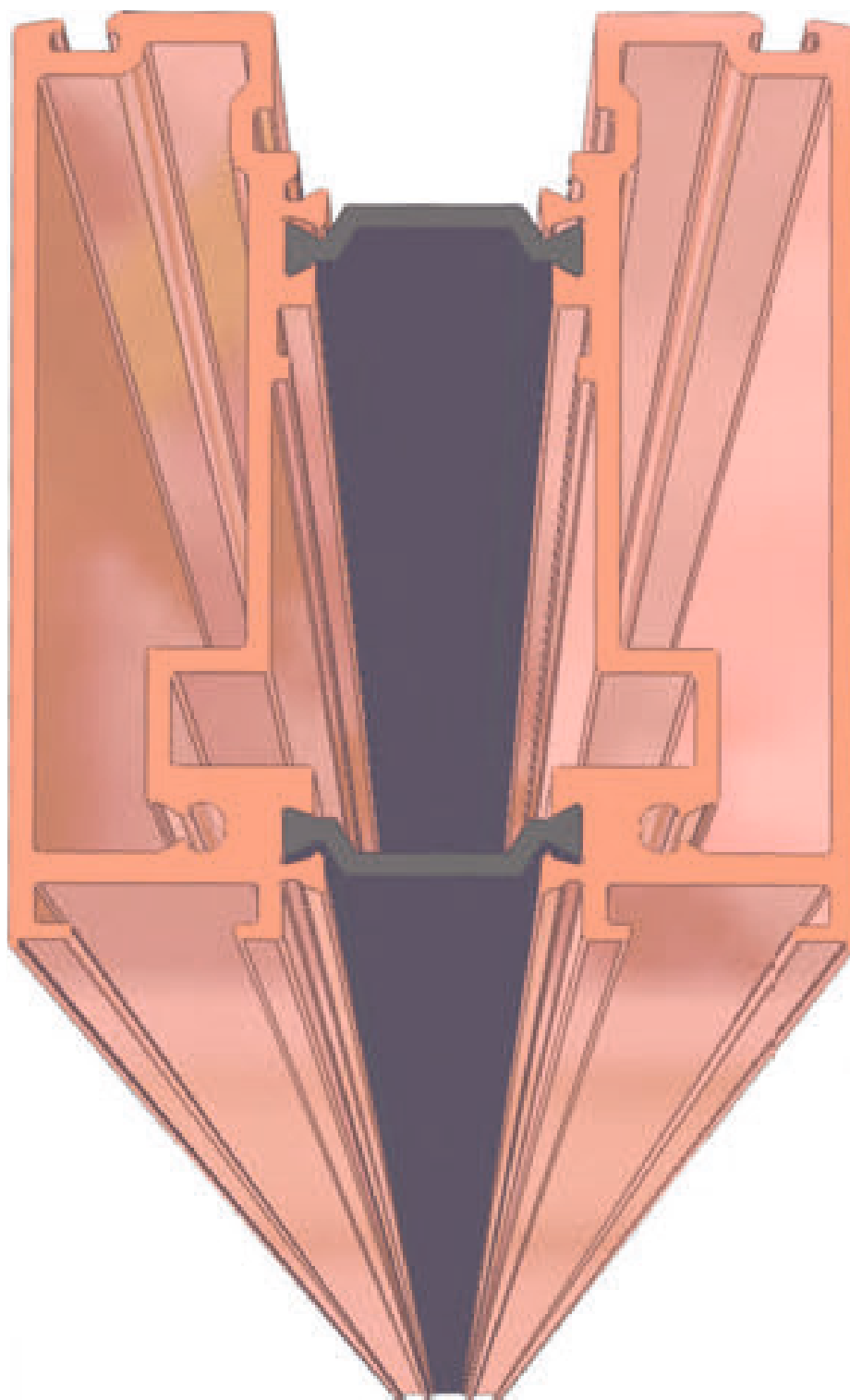


Jack Thermally Improved Ground Floor Treatments

TD68





Jack Aluminium Systems Ltd. commenced trading in 2007.

The company was created to supply an excellent service to its customers so as to facilitate growth for its customers and consequently growth for Jack Aluminium.

This growth would be in a chosen range of products which would steadily grow as the company grew. Jack Aluminium offers commercial doors and framing in standard aluminium (the JD47 range) and a thermally improved commercial door and framing system, namely the TD68 mm range.

Jack Aluminium also offer low rise curtain walling, an aluminium window range, louvres and glaze in vents. Frameless glazing is another product they market.

Jack positioned themselves on the site of SP and PC Powder Coaters who are a Qualicoat approved painter. Offering an excellent painted product formed part of Jack Aluminium's strategic intent in providing a service to its customers.

Jack is not driven by a desire to be the biggest but by a desire to be the best in its chosen markets. If Jack can achieve this then they will maintain a sustainable growth curve. In spite of the troubled market conditions Jack has grown steadily over the past five years.



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Wall Chart

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Jack Thermally Improved Ground Floor Treatments

A door designed specifically to meet the demands of today and tomorrow's commercial market

The Jack Thermal Door was designed with four key objectives in mind:

1) **The Environment**

To meet the standard required of the industry for thermal performance, durability and sustainability

2 **Security**

Increasing safety in line with **PAS 24** is demanded. Safety and security of doors in schools, hospitals, retail outlets and any number of public buildings is increasingly important.

The Doors and framing system strength and robustness plus the ability to fit the latest architectural hardware is key to this improvement.

3 **Versatility**

The system will enable the architect or specifier to confidently design for new build or retro fit on refurbishment projects.

4 **User Friendly**

The fabricator and installer should use this product with the minimum of fuss. This is an often forgotten requirement. The work of the fabricator and installer is crucial to the success of all products and as such their input is gratefully received.

To achieve these ends we worked closely with our suppliers and our customers to identify customer needs and combining this with a UK supplier base for efficient lines of communication and logistics.

So what benefits have we achieved?

1 **Environment** — The current ' μ ' value requirement is 3.5W/m²K. However, using polyamide thermal improvement means that we can achieve a μ value of 2W/m²K on a 1,000 mm wide door. In 2013 the Document L revisions will lower the μ value requirements so continuous improvements to the system are already in the design pipeline.

2 **PAS 24** — There can be no compromise in achieving this standard. We have designed a robust security bead to help resist attacks on the glazing system. We have designed intrinsic strength and security into the doors and framing.

Profile thickness is the first key area. We have retained over two millimetre wall thickness as a minimum, and more on some sections in key areas of potential weakness particularly on door sections.

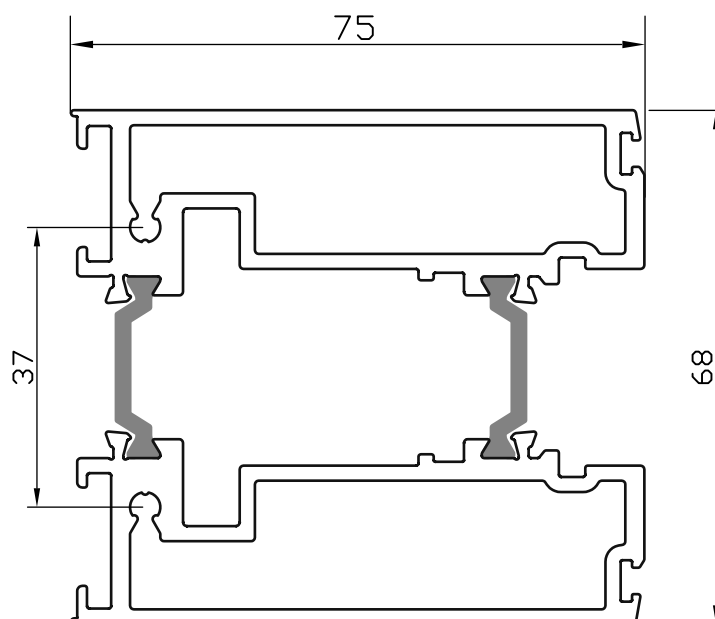
The door carries the latest security locking systems and its own armoured keeps arrangements.

3 **Hardware** — We have design solutions for hardware issues including Electric strikes, Concealed panic bars, Multi point Locking and the Sentinel security Hook lock.

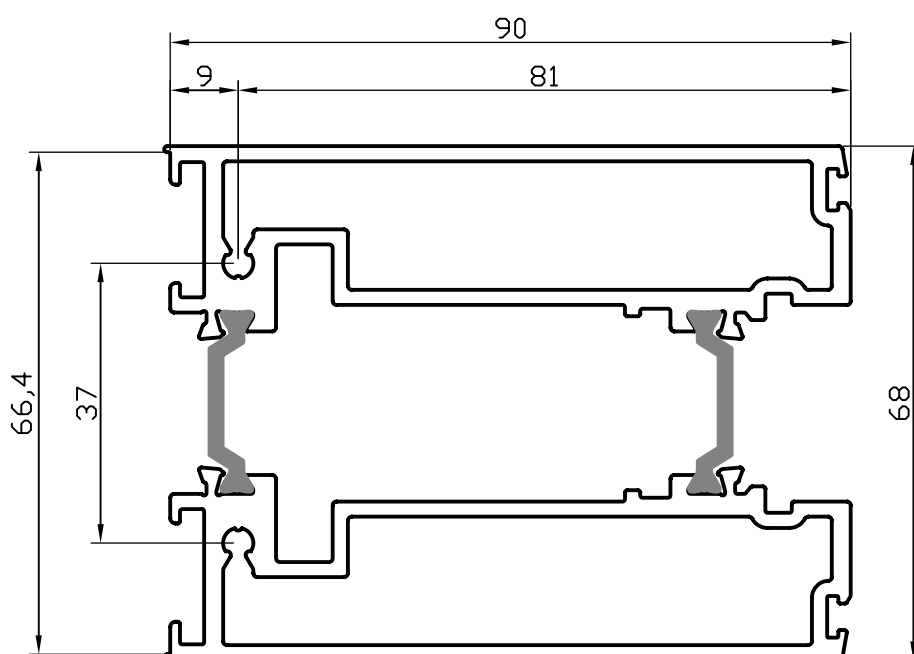
4 **Fabrication and Installation** — Traditional, and familiar methods for both the fabrication of the product and installation have been employed wherever possible.

5 **Reducing Waste** — Sections can be supplied in halves and quarters already painted to a specified RAL finish. This saves on cost for the fabricator and reduces waste.

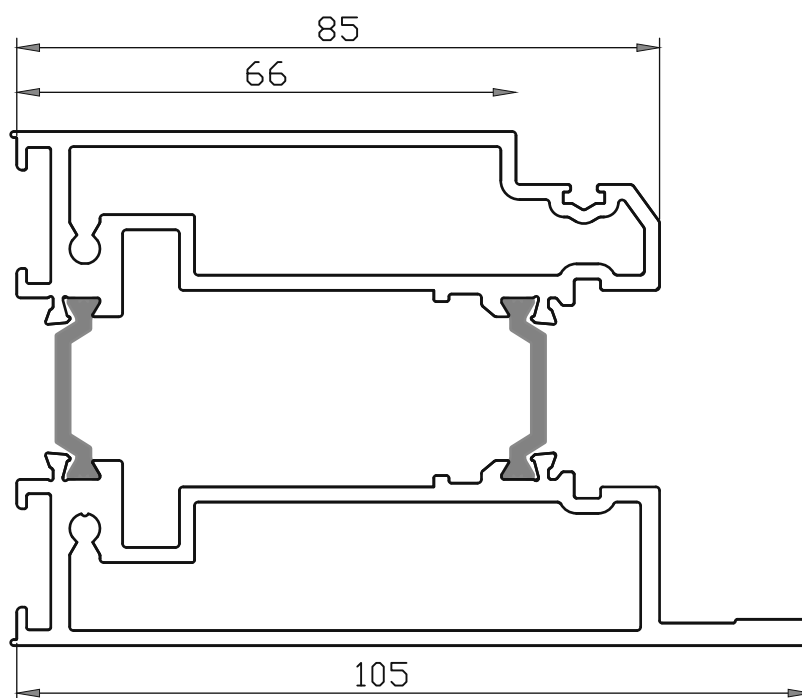
Aluminium Profiles



TD000
SLIM LOCK STILE

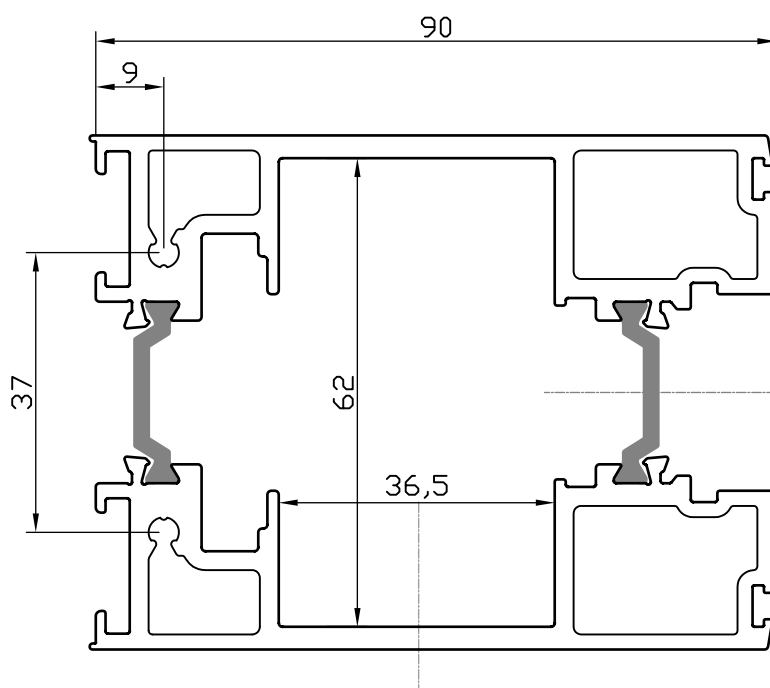


TD001
STANDARD LOCK STILE



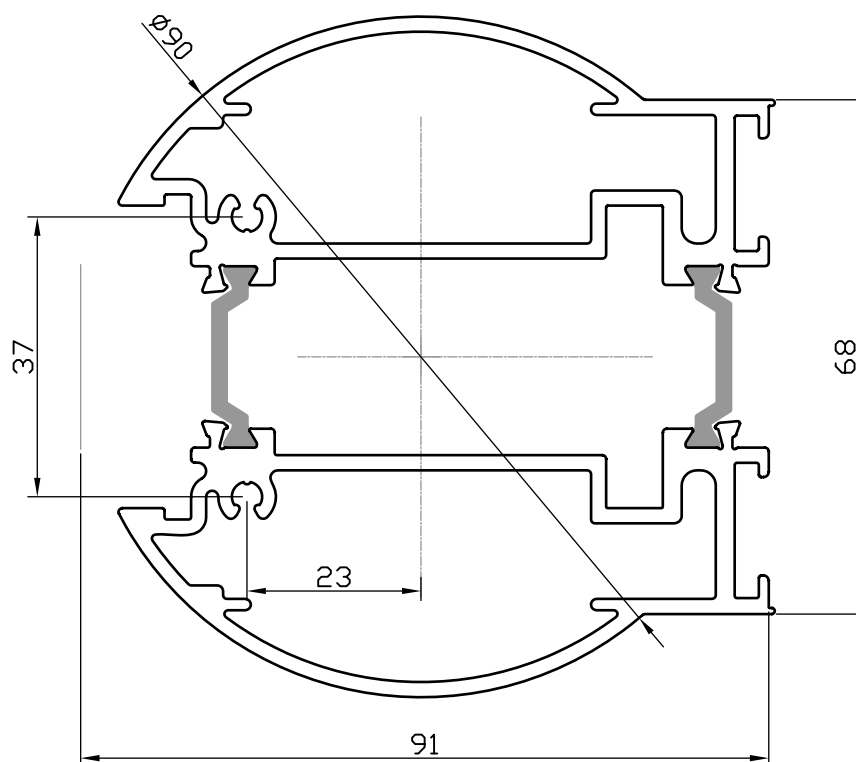
TD008

DOUBLE DOOR MEETING STILE

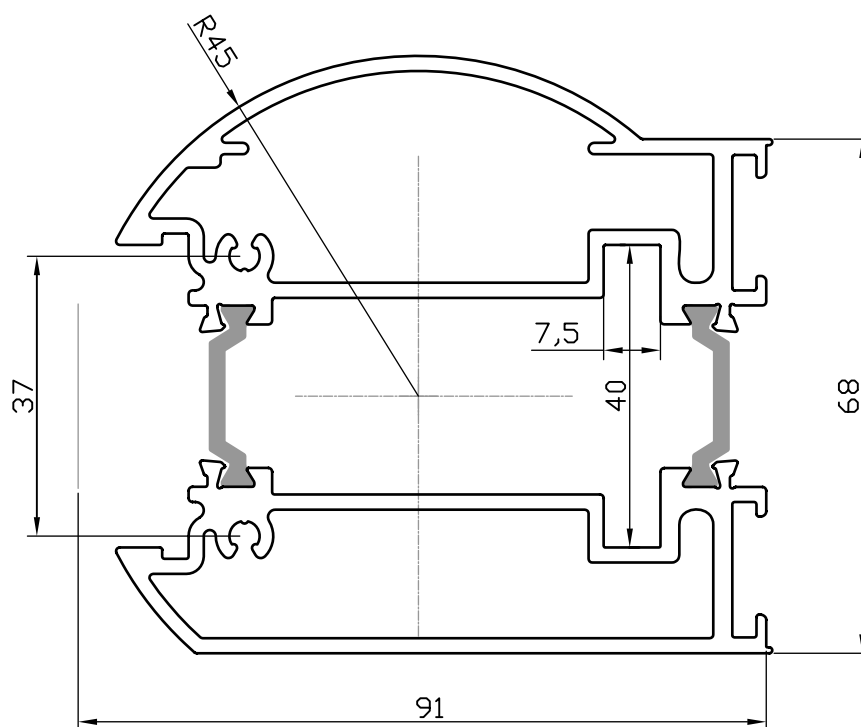


TD003

MULTI POINT LOCK STILE

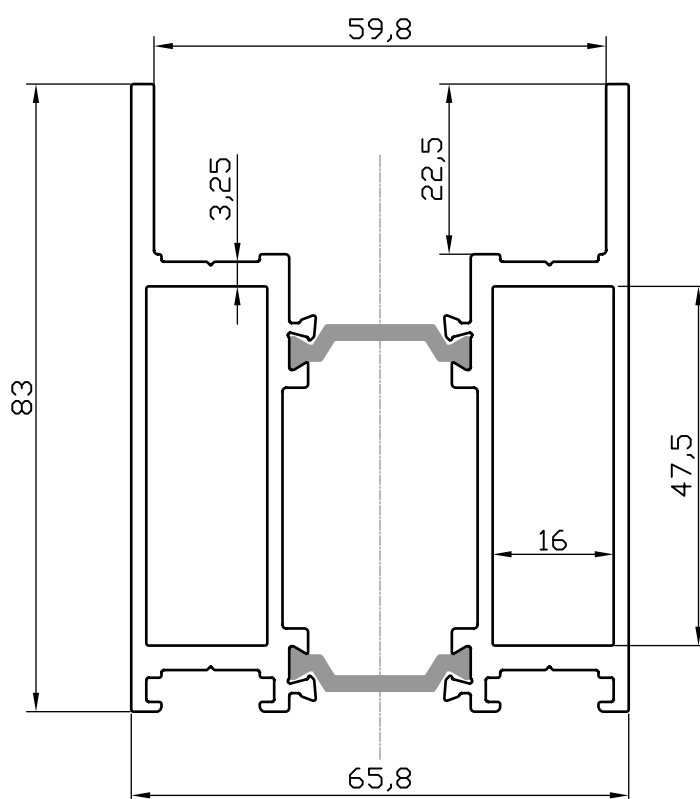


TD005
ANTI FINGER TRAP STILE

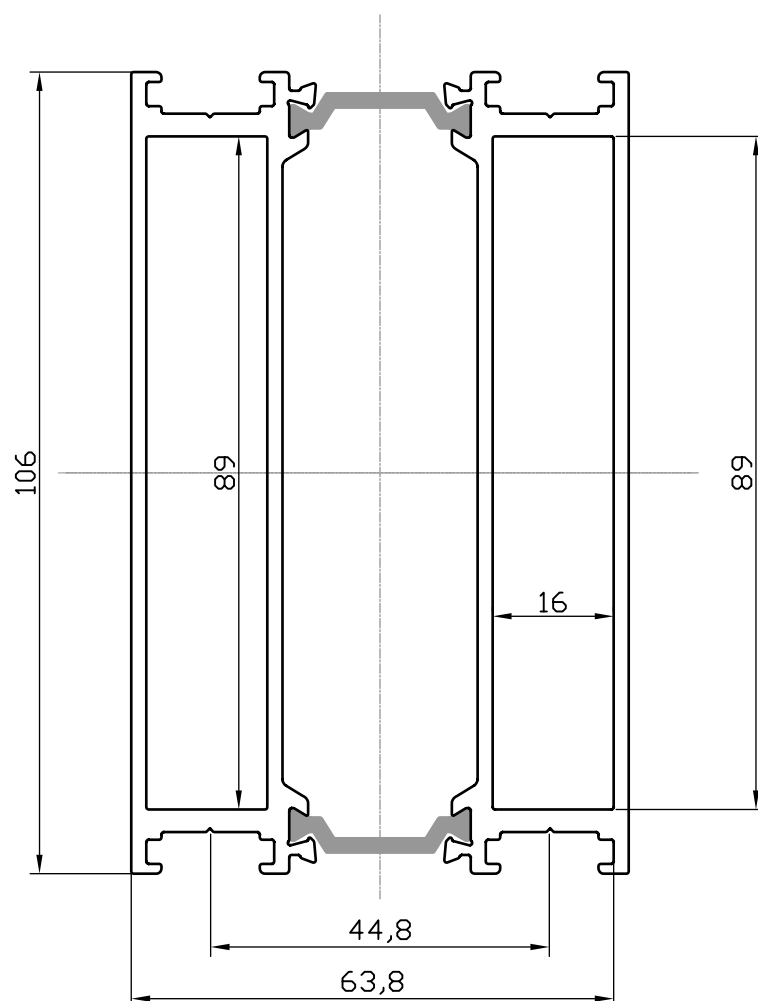


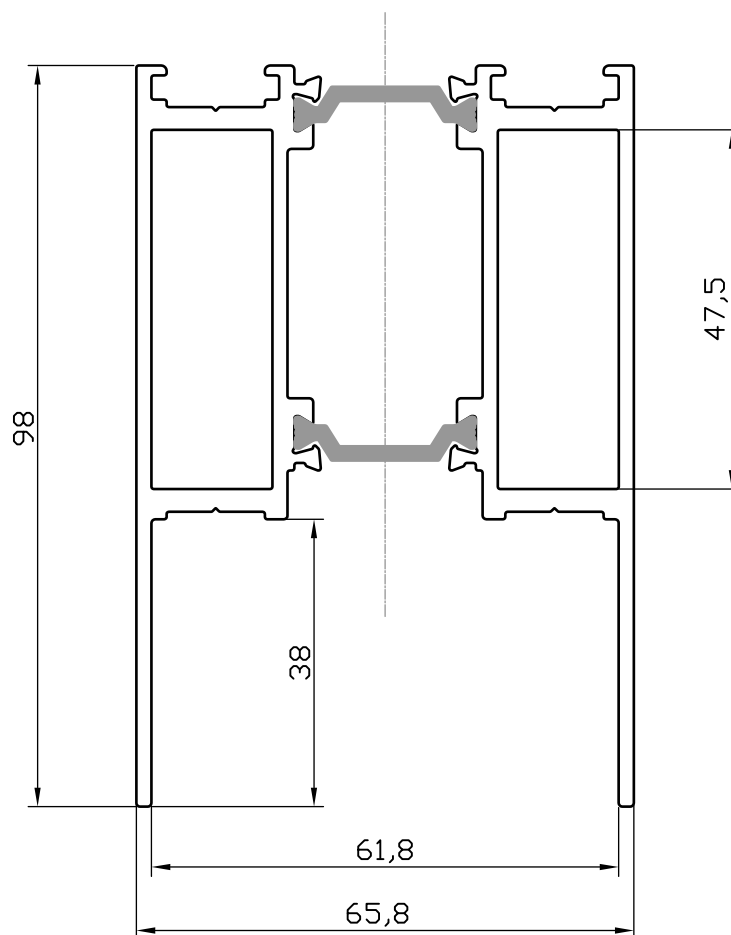
TD006
ANTI FINGER TRAP PANIC STILE

TD014
TOP RAIL

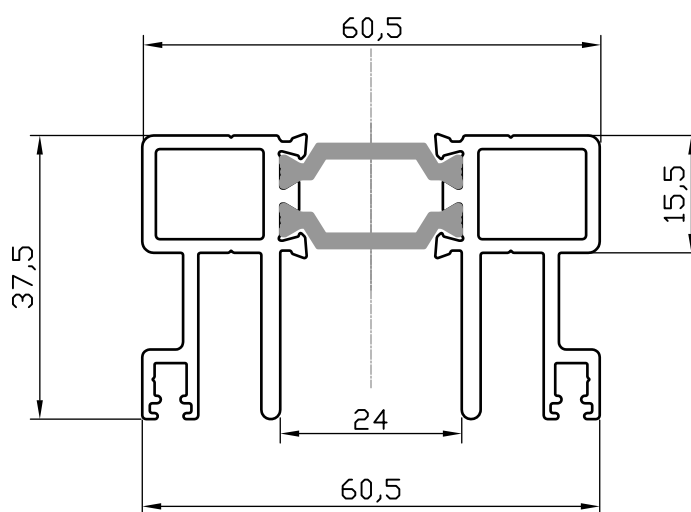


TD012
MID RAIL

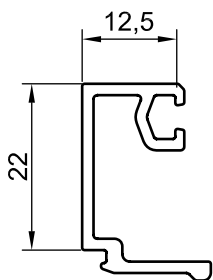




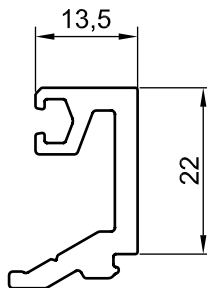
TD010
BOTTOM RAIL



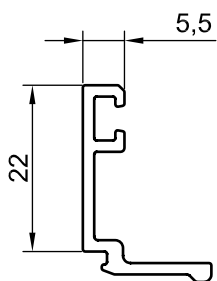
TD125
SLIDING DOOR GUIDE CHANNEL



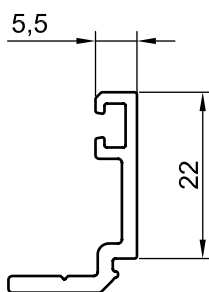
TD120
SHUFFLE BEAD



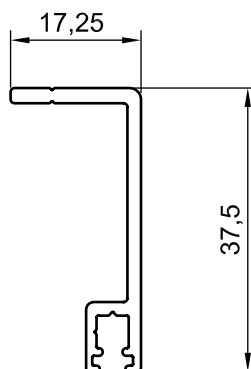
TD121
FIXED SECURITY BEAD



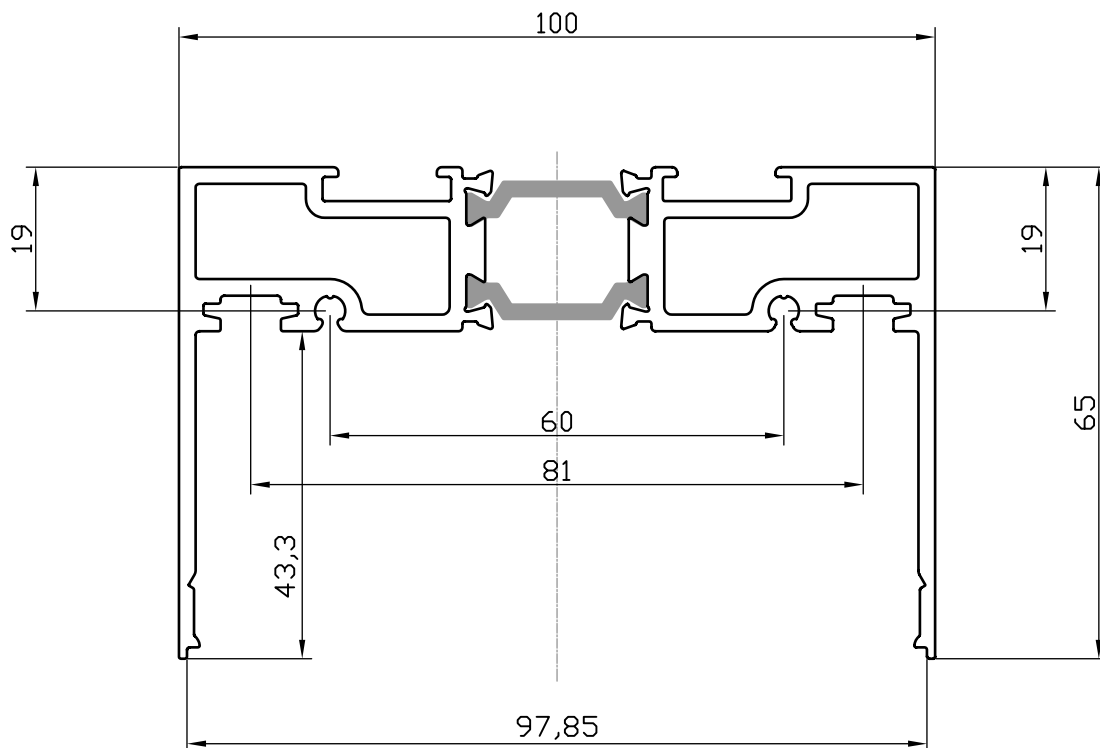
TD158
TRIPLE GLAZE
SHUFFLE BEAD



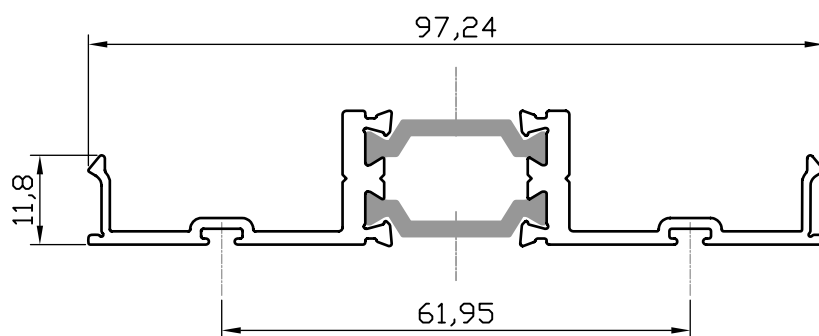
TD159
TRIPLE GLAZE
FIXED BEAD



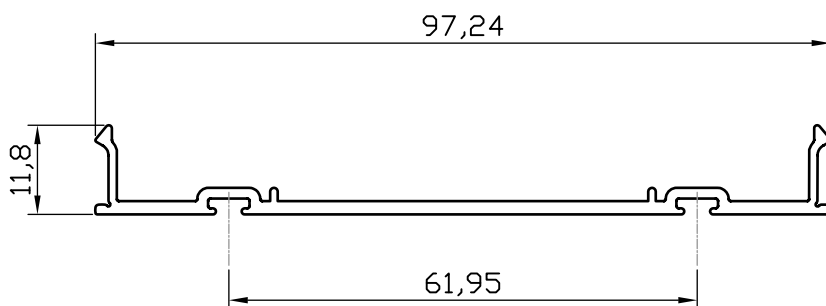
TD127
DOOR BOTTOM RAIL
BRUSH SEAL
CARRIER



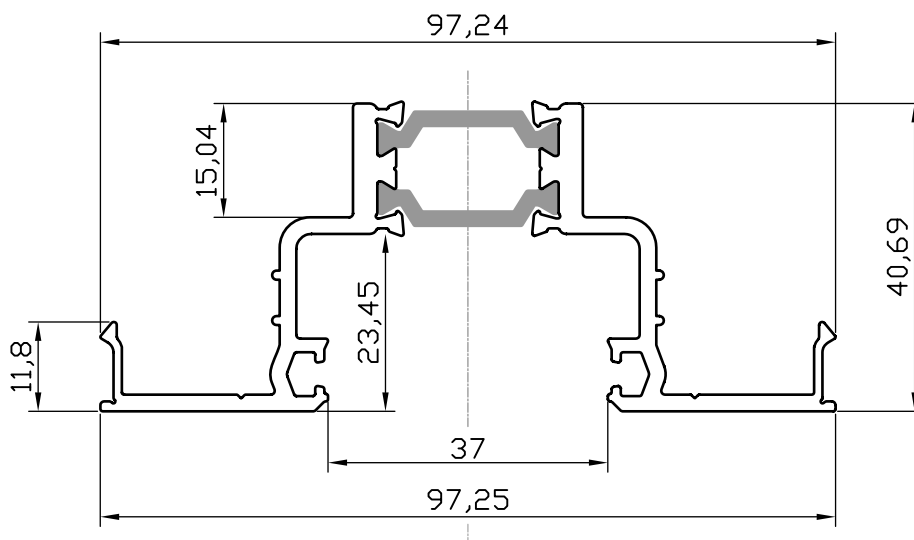
TD131
HEADER BAR



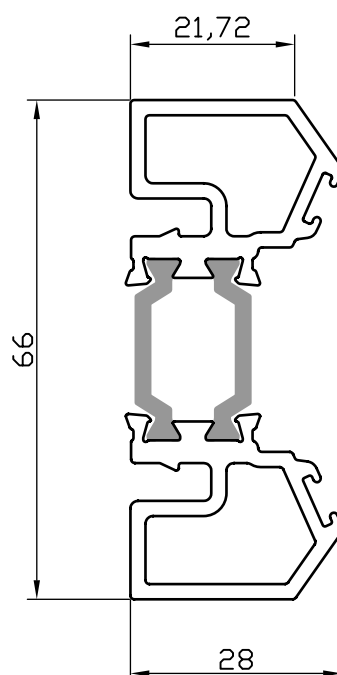
TD132
HEADER BAR PLATE



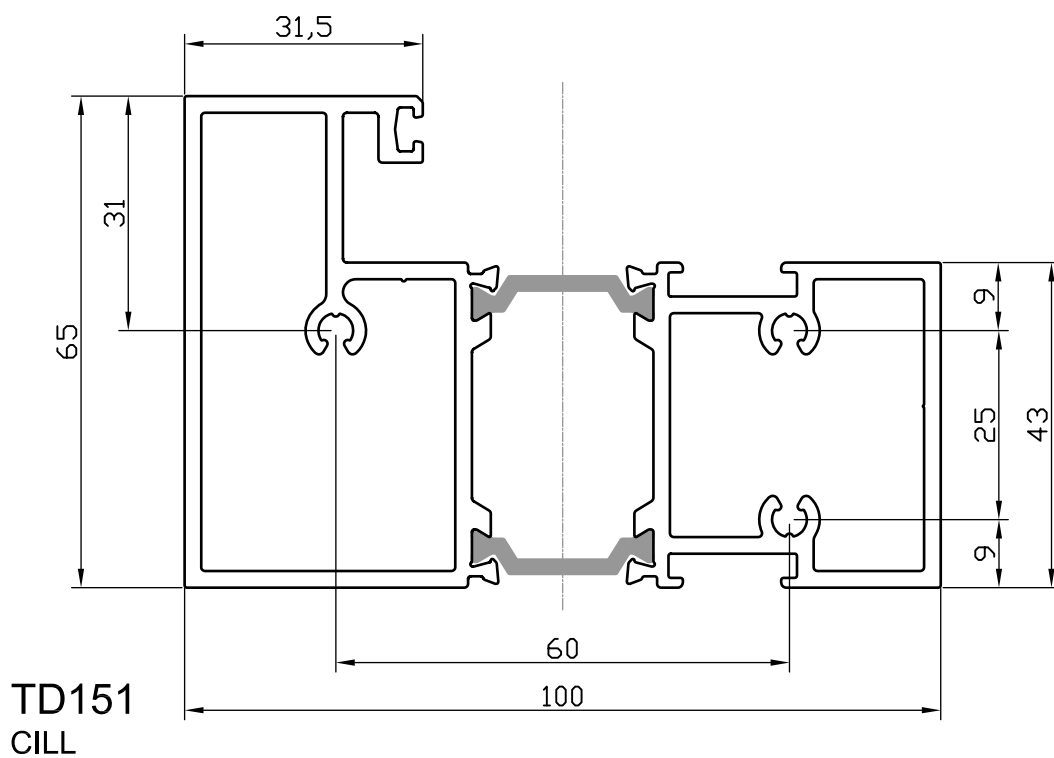
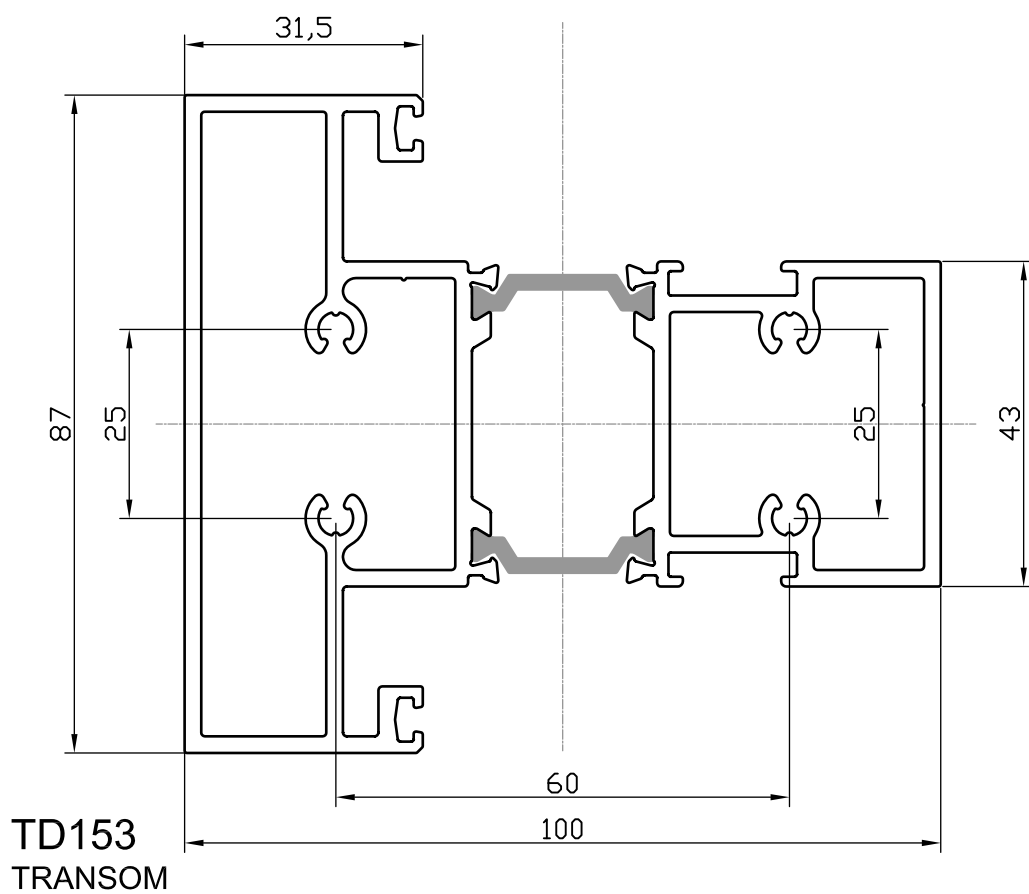
TD133
MACHINED NTB HEADER BAR PLATE @ 350 mm

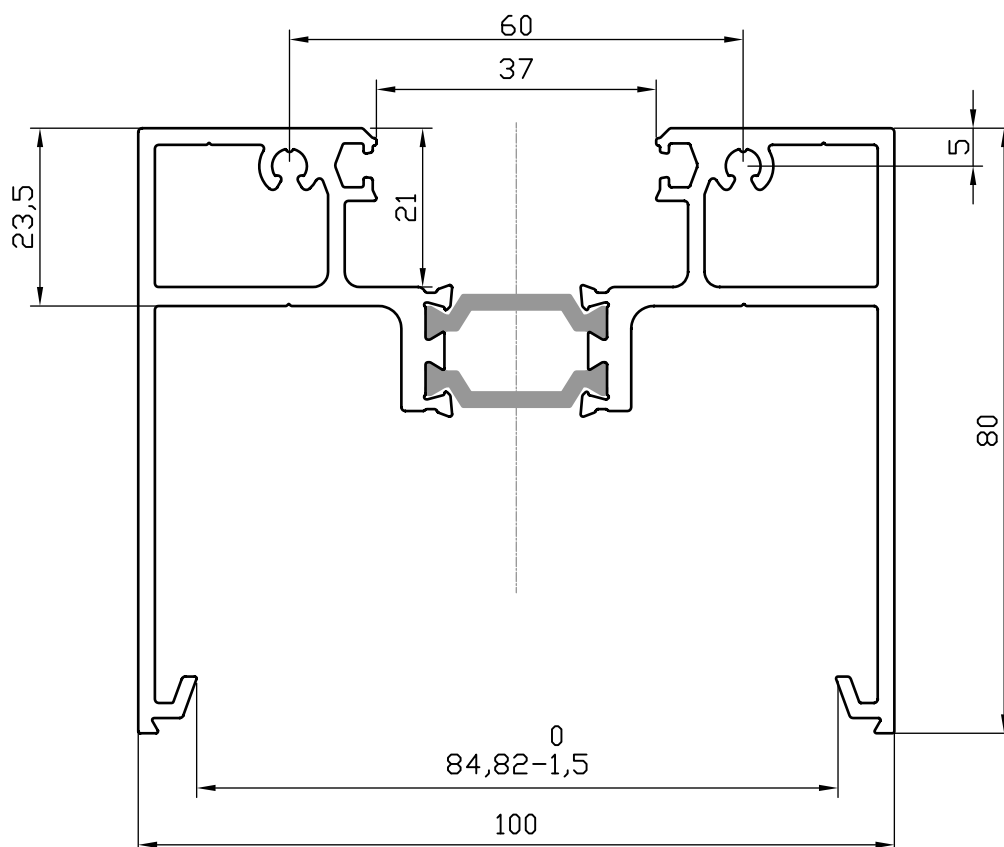


TD130
HEADER BAR POCKET PLATE

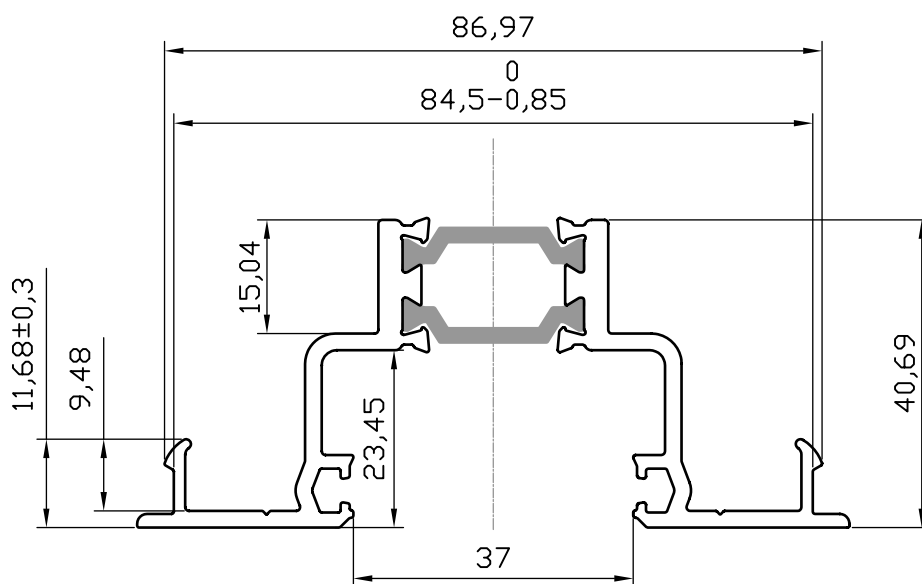


TD007
ANTI FINGER TRAP ADAPTOR

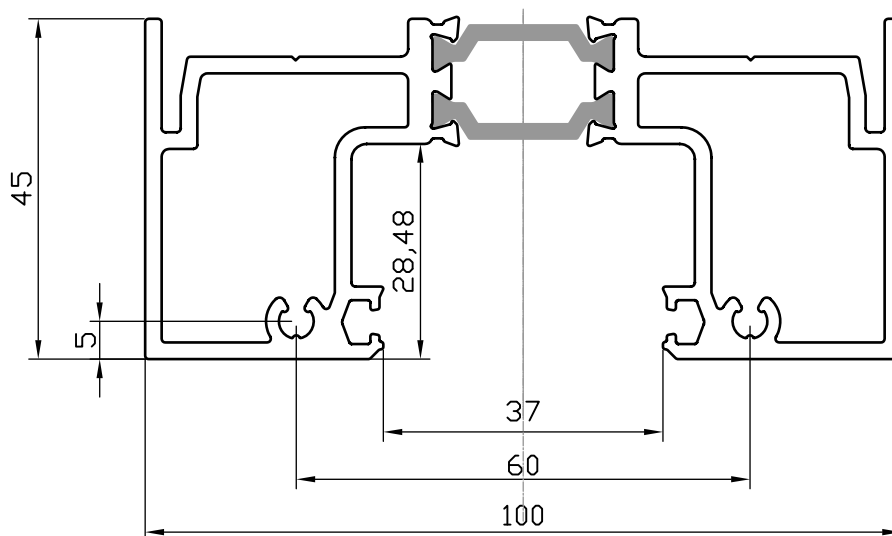




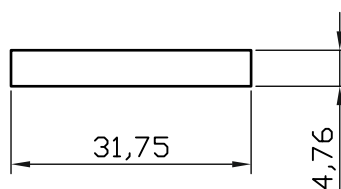
TD150
POCKET CHANNEL



TD152
POCKET PLATE

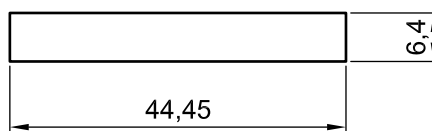


TD155
SLIM DOOR JAMB

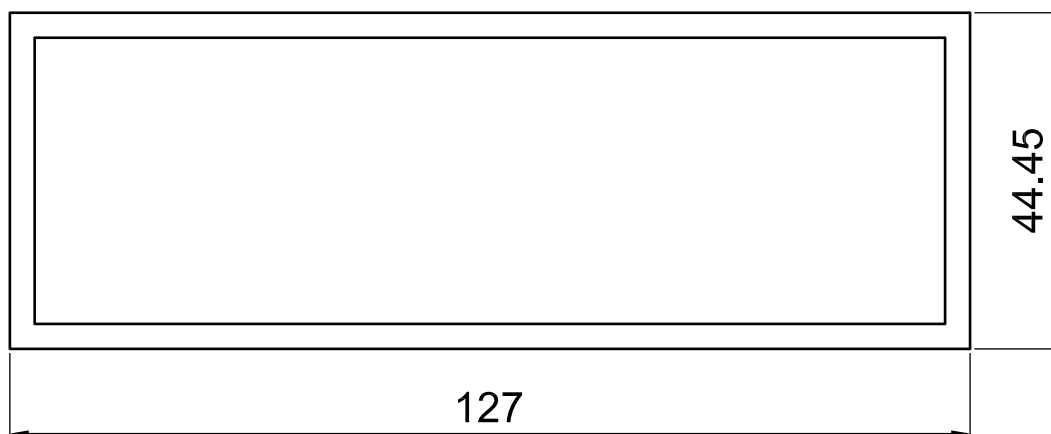


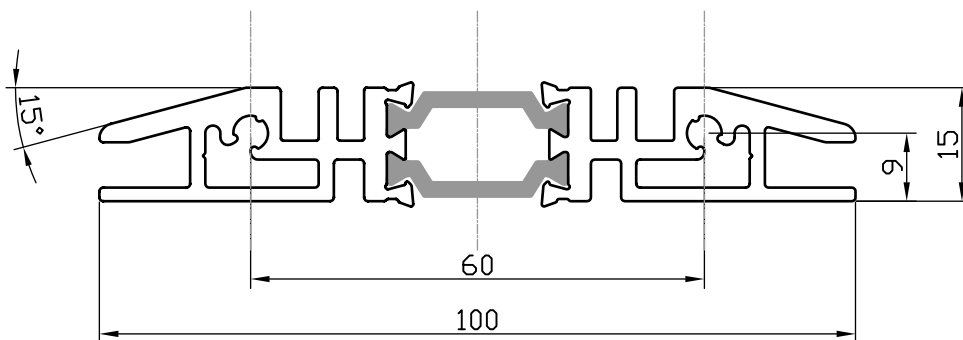
TD156
SLIM DOOR JAMB INFILL

TD166
MAGPOST SPACER

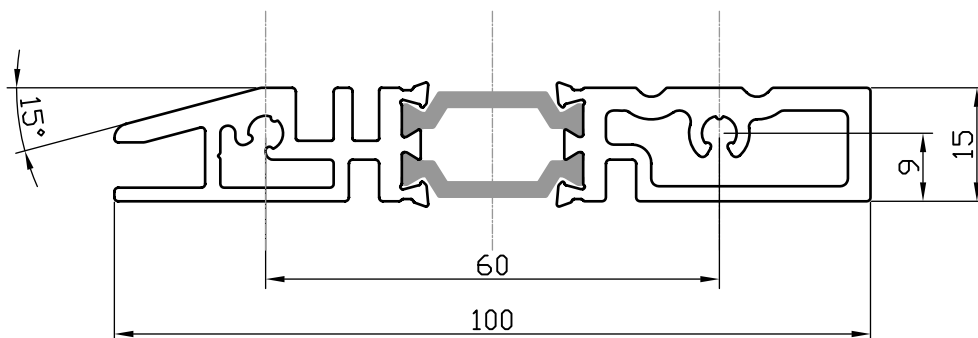


BOX130
MAGPOST

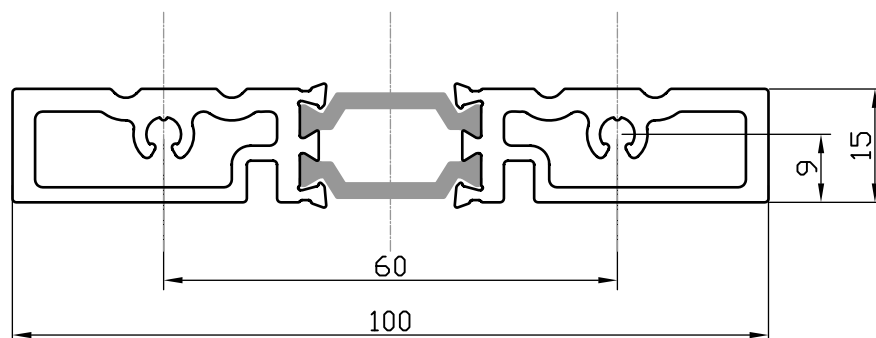




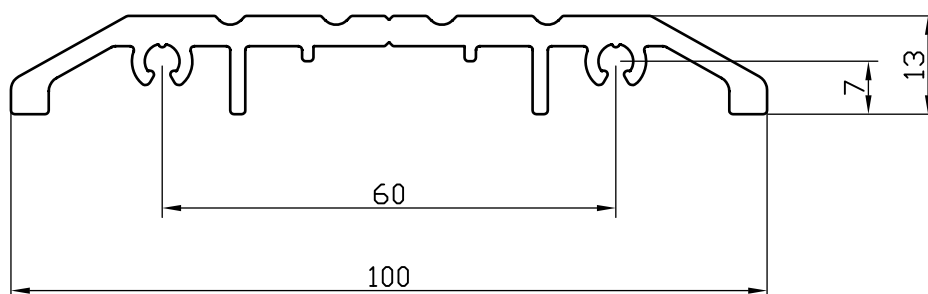
TD134
THERMAL DRAINED DOUBLE
RAMP THRESHOLD



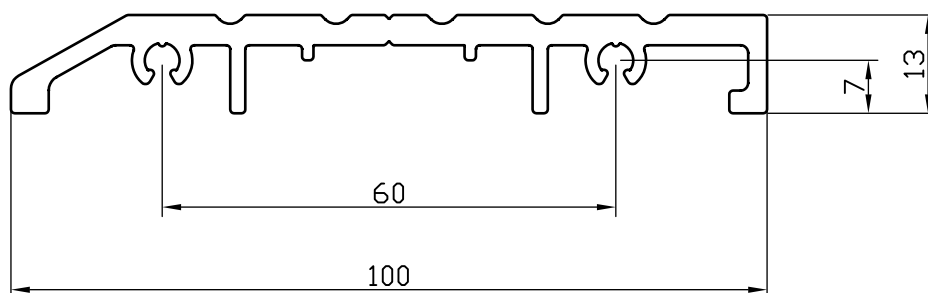
TD135
THERMAL DRAINED SINGLE
RAMP THRESHOLD



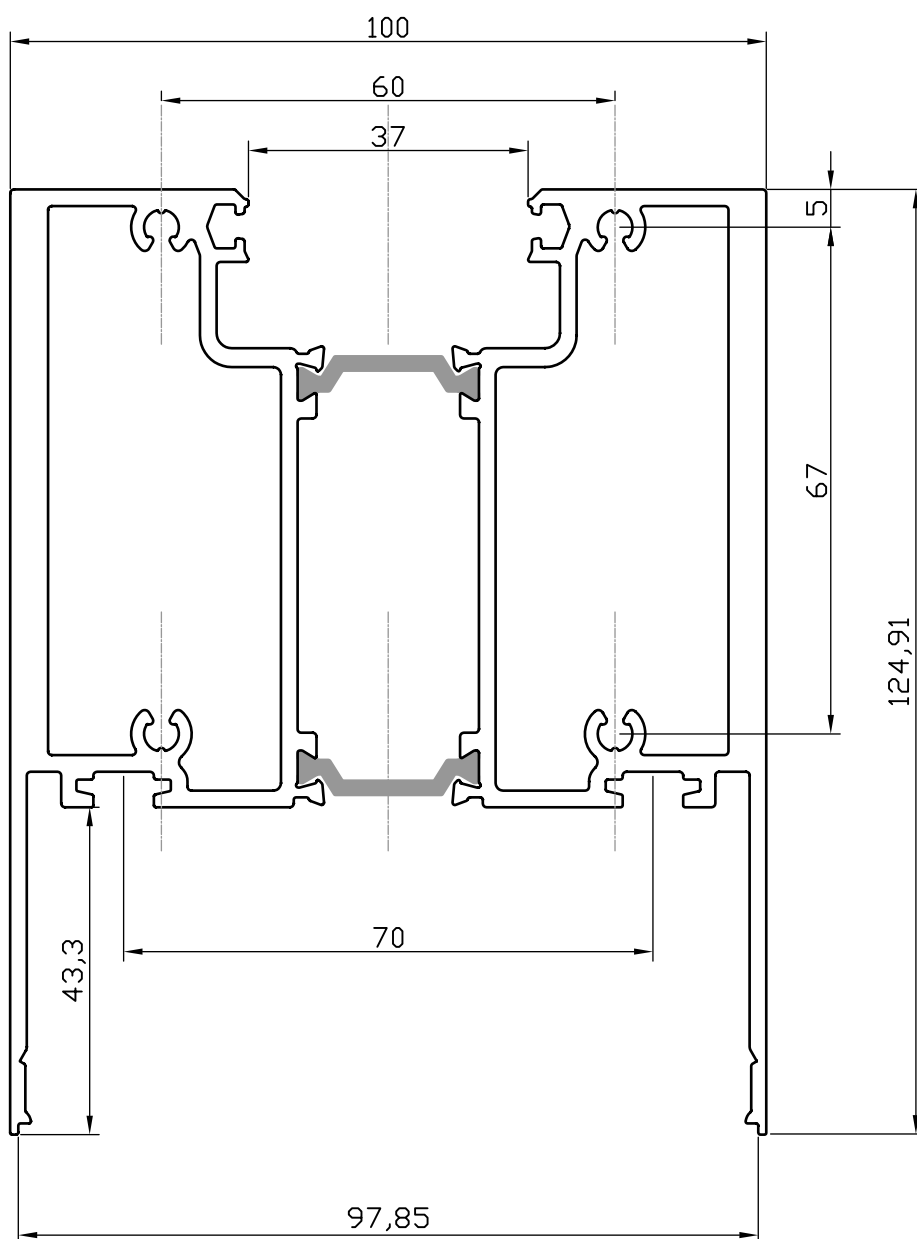
TD136
THERMAL SQUARE THRESHOLD



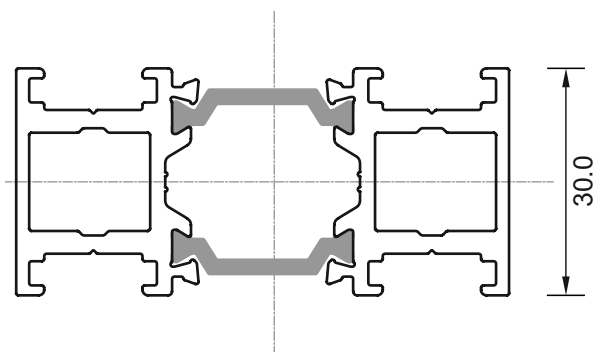
TD138
NT DOUBLE RAMP THRESHOLD



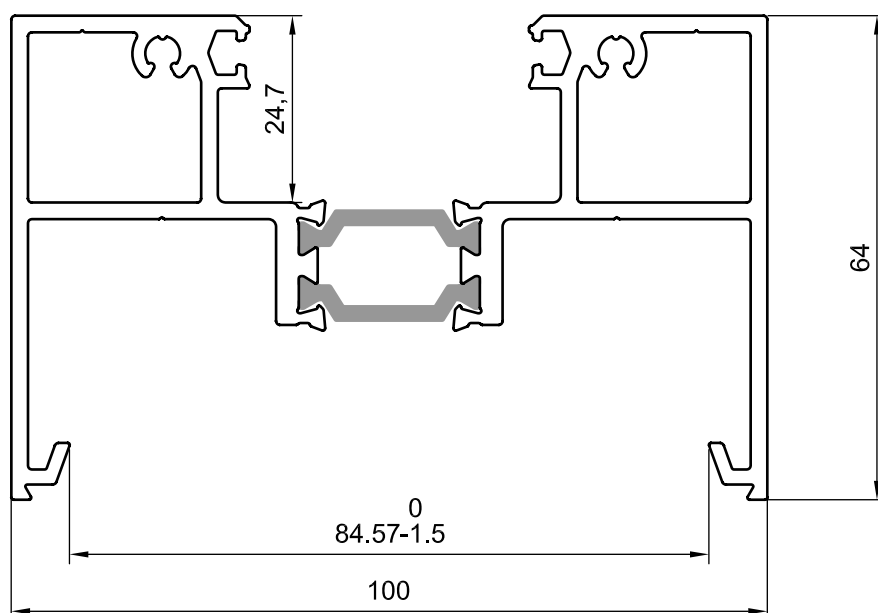
TD137
NT SINGLE RAMP THRESHOLD



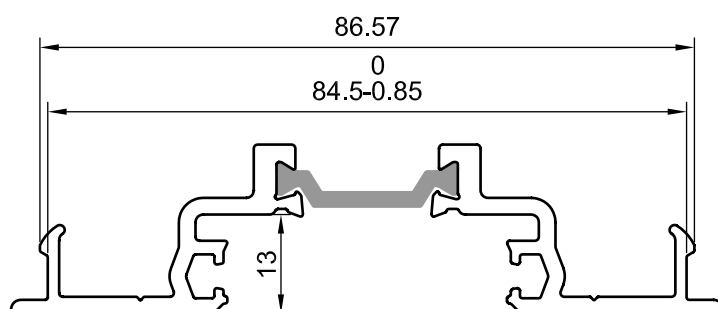
TD149
AUTOMATIC DOOR HEADER BAR



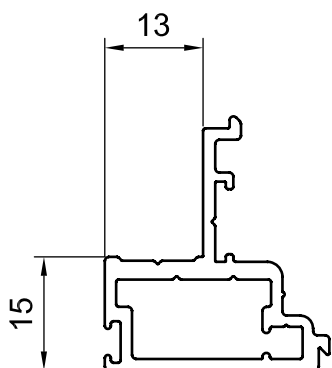
TD157 LAY BAR



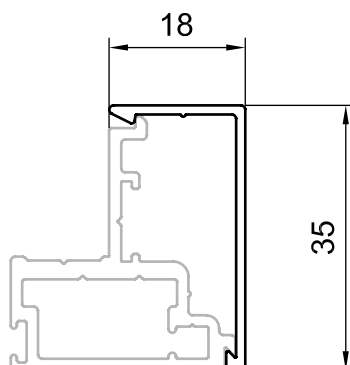
TD164 SLIM POCKET CHANNEL



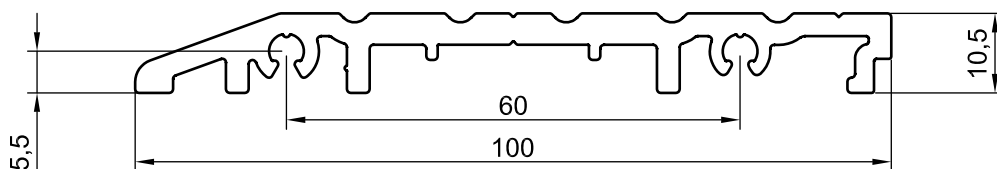
TD165 SHALLOW POCKET PLATE



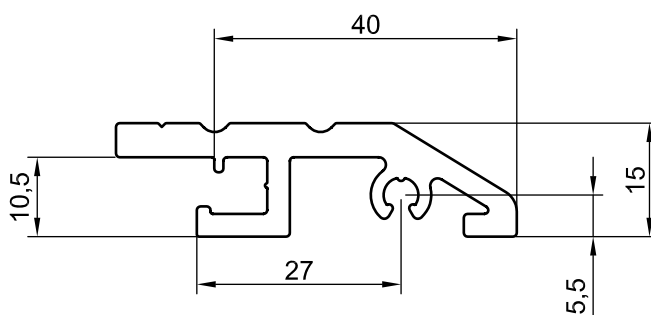
TD160
REBATE ADAPTOR



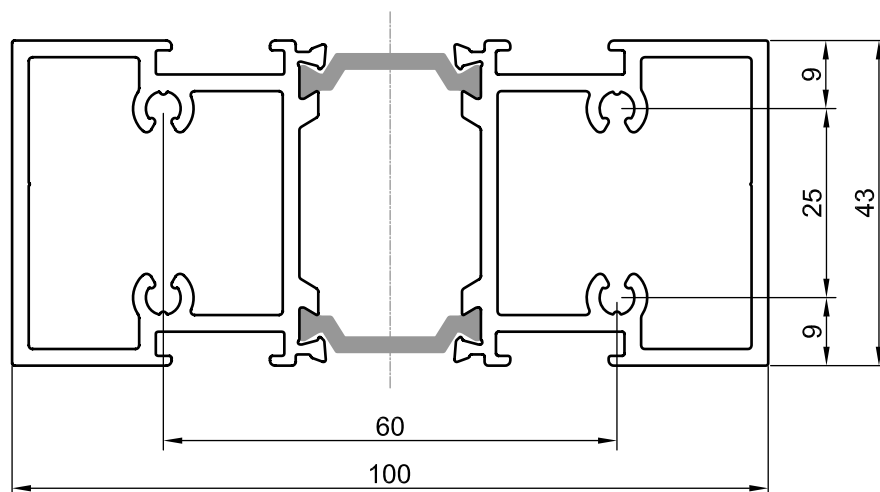
JD147
REBATE ADAPTOR COVER



TD161
LOW THRESHOLD

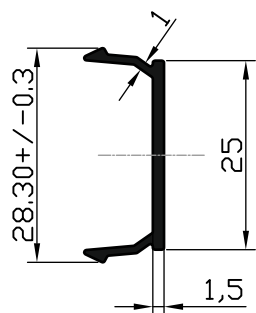


TD162
LOW THRESHOLD EXTENSION

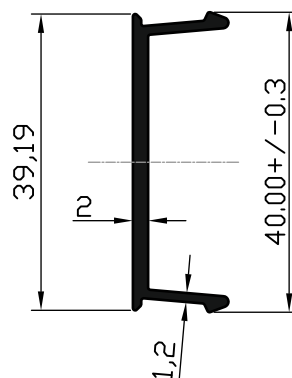


TD154
DOUBLE BEADED TRANSOM

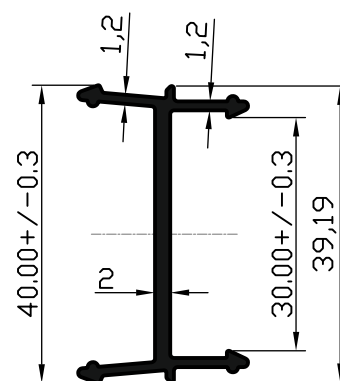
PVCu



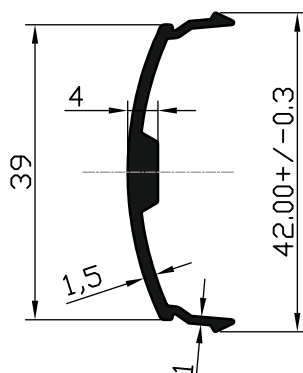
TDA014
DOOR STILE TRIM



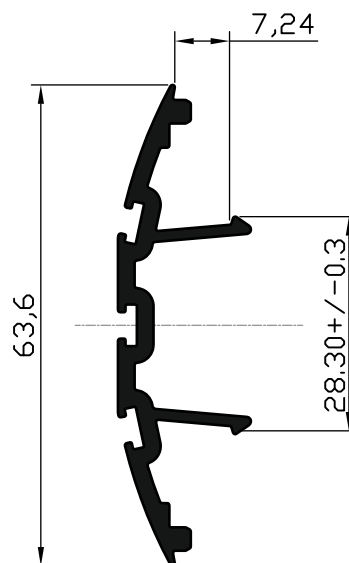
TDA015
FRAME POCKET TRIM



TDA016
AFT CONNECTOR



TDA017
AFT STILE TRIM

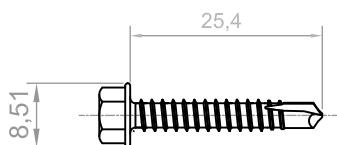


TDA018
HINGE STILE NOSING
PROFILE

Accessories

FIXINGS

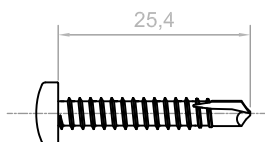
TDA001



SELF DRILLING, SELF TAPPING SCREWS

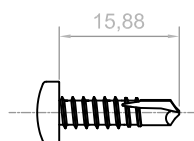
CLEAT FIXING SCREW
No 8-18 x 1". 1/4" AF.

TDA002



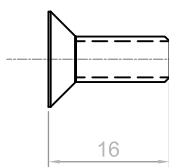
SLIDING DOOR - GUIDE
CHANNEL AND BRUSH
SEAL CARRIER.
No 8 x 1". PAN HEAD.

TDA003



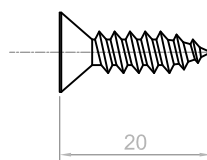
PIVOT DOOR BRUSH SEAL
CARRIER AND FIXED
BEAD.
No 8 x 5/8". PAN HEAD.

TDA006

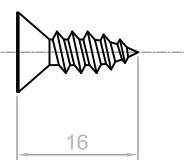


CLEAT JOINT SCREW. TAP
CLEAT TO ACCEPT
M6 x 16 CSK MACHINE SCREW
OR
ALTERNATIVELY USE A
No12 x 3/4" CSK SELF TAPPING
SCREW

TDA067

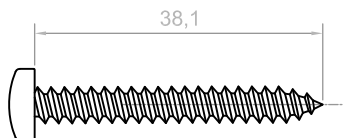


TDA089

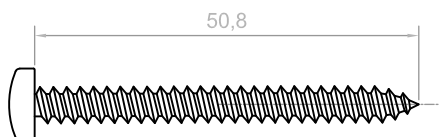


FRAMING.
No 10 x 1 1/2". PAN HEAD.

TDA007

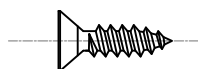


TDA008



FRAMING.
No 10 x 2". PAN HEAD.

TDA064



CONCEALED FLUSHBOLT ESCUTCHEON.
No 8 x 1/2". CSK SELF TAPPING SCREW.

TDA065



CONCEALED FLUSHBOLT FIXING.
M4 x 25 CSK MACHINE SCREW.

TDA066



'F' BRACKET FIXING.
M5 x 50 PAN HEAD MACHINE SCREW.

TDA070



SECURITY ESCUTCHEON SCREW
M5 x 70 CSK MACHINE SCREW

TDA071



HEAVY DUTY No12 x 25 SCREW
FOR TDA010 & TDA011 CLEAT
CENTRE FIXING.

GASKETS & SEALS

JDG007



CAPTIVE GASKET

JDG003



WEDGE GASKET

JDA112



DOOR BOTTOM BRUSH SEAL (10mm)

TDA091



REBATE ADAPTOR BRUSH SEAL (25mm)

WP 5.1 X 6



WOVEN PILE 5.1 x 6.0
ALTERNATIVE FOR DOOR STILE OR HEADER
BAR PLATE IF DOOR WIDTH IS MADE
SLIGHTLY OVERSIZE .

WP 5.1 X 7



WOVEN PILE 5.1 x 7.0 HEADER BAR PLATE

WP 5.1 X 8



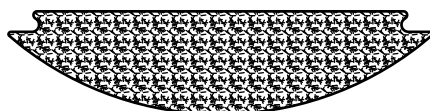
WOVEN PILE 5.1 x 8.0 DOOR STILE
ALTERNATIVE FOR HEADER BAR PLATE IF DOOR
HEIGHT IS MADE SLIGHTLY UNDERSIZE.

WP 6.7 X 6



WOVEN PILE 6.7 x 6.0 AFT

TDA020



AFT STILE FOAM SEAL END PLUG

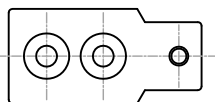
JDA105



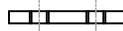
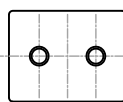
WOVEN PILE INFILL

TDA009

LOCK FITTING KIT



DOOR LOCK FIXING LUG
2 OFF PER KIT



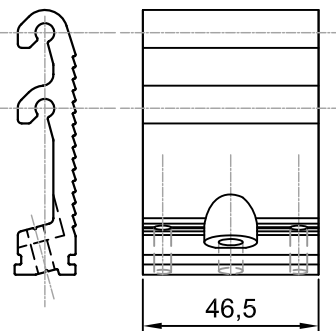
DOOR LOCK FIXING LUG
CLAMP PLATE
2 OFF PER KIT



M5 x 25 CSK
MACHINE SCREW
4 OFF PER KIT

TDA010

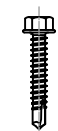
TOP AND BOTTOM
RAIL CLEAT



For each Cleat the fixings required are:



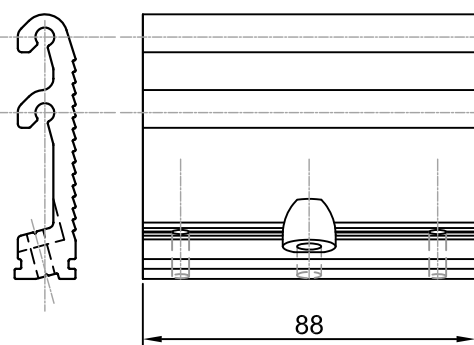
TDA006
M6 x 16 CSK MACHINE SCREW
4 OFF PER CLEAT



TDA001
A2 No 8-18 x 1". 1/4" AF.
SELF DRILLING, SELF TAPPING
SCREW
3 OFF PER CLEAT

TDA011

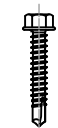
MID RAIL CLEAT



For each Cleat the fixings required are:

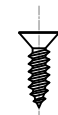


TDA006
M6 x 16 CSK MACHINE SCREW
4 OFF PER CLEAT



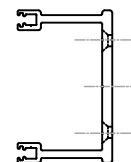
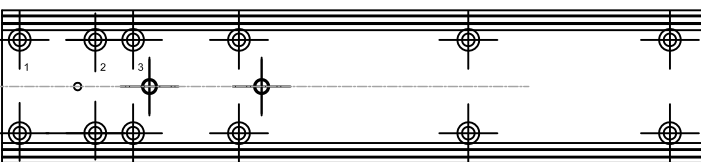
TDA001
A2 No 8-18 x 1". 1/4" AF.
SELF DRILLING, SELF TAPPING
SCREW
3 OFF PER CLEAT

As an alternative to tapping the cleats and using TDA006 these self tapping screws can be used:



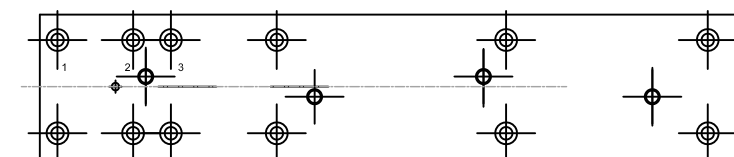
TDA067
M12 x 3/4" CSK SELF TAPPING
SCREW
4 OFF PER CLEAT

TDA012



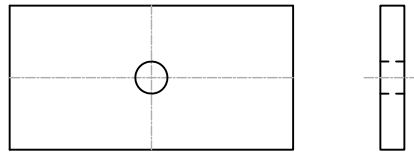
TDA005 BOTTOM PIVOT MOUNTING CHANNEL FIXING SCREW (No 8 x 3/4").
6 OFF PER CHANNEL

TDA013



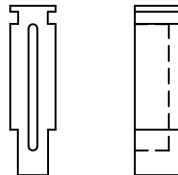
TDA005 TOP ARM MOUNTING PLATE FIXING SCREW (No 8 x 3/4").
8 OFF PER PLATE

TDA019



TIE BAR END PLATE

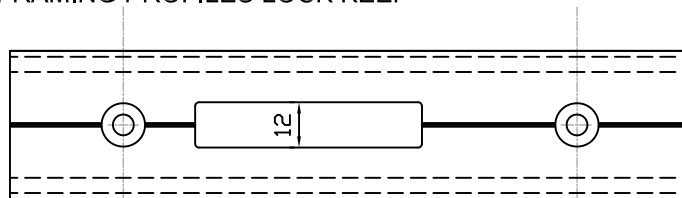
IA HBP



HEADER BAR PLATE FIXING TEE POST

TDA021

FRAMING PROFILES LOCK KEEP

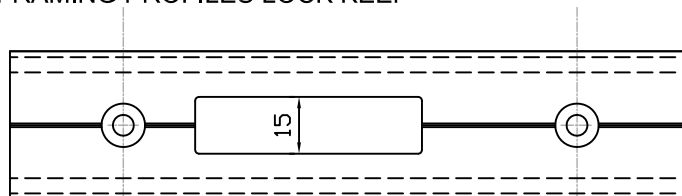


LOCK KEEP TO
FIT FRAMING
PROFILES TO
SUIT SENTINEL 6
LOCK

Comes complete with 2 Fixing Tabs and 2 Screws

TDA034

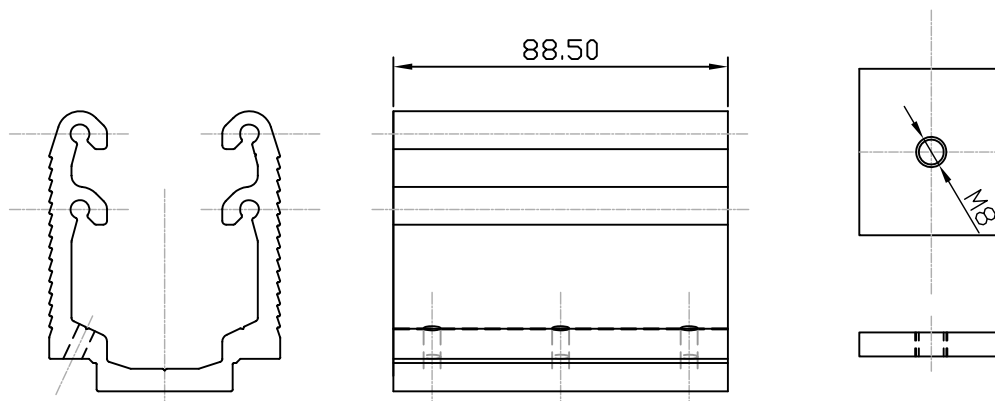
FRAMING PROFILES LOCK KEEP



LOCK KEEP TO FIT
FRAMING
PROFILES TO SUIT
ALTERNATIVE
LOCKS

Comes complete with 2 Fixing Tabs and 2 Screws

TDA023

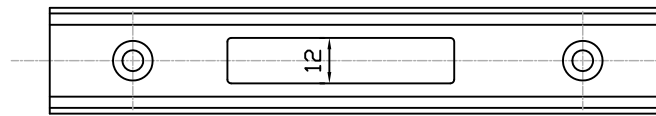


SIDELIGHT MID RAIL SPIGOT KIT

M8 x 20 Clamp Bolts and No8 x 25.4 Self Tapping Screws.

TDA024

DOUBLE DOOR LOCK KEEP

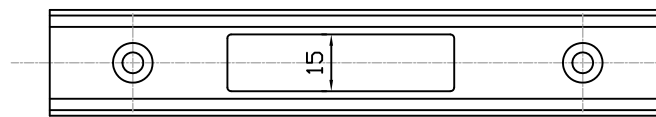


LOCK KEEP TO
FIT FRAMING
PROFILES TO
SUIT SENTINEL 6
LOCK

Comes complete with 2 Fixing Tabs and 2 Screws

TDA035

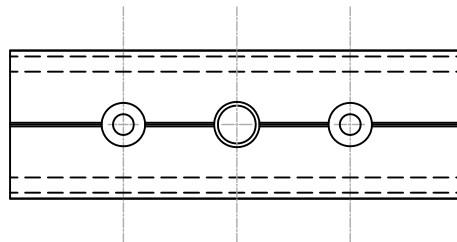
DOUBLE DOOR LOCK KEEP



LOCK KEEP TO FIT
FRAMING
PROFILES TO SUIT
ALTERNATIVE
LOCKS

Comes complete with 2 Fixing Tabs and 2 Screws

TDA033



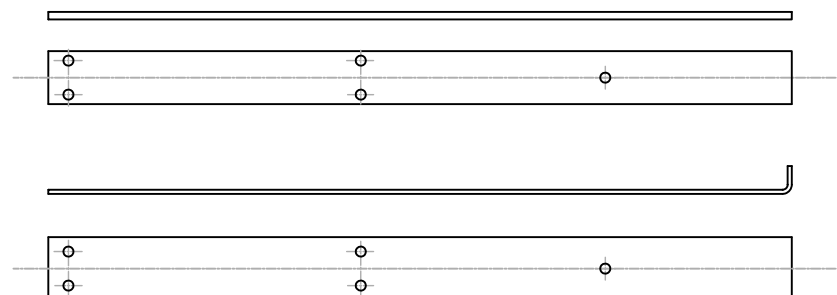
DOUBLE DOOR FAPIM
FLUSHBOLT KEEP.

Comes complete with 2 Fixing Tabs and 2 Screws

TDA036

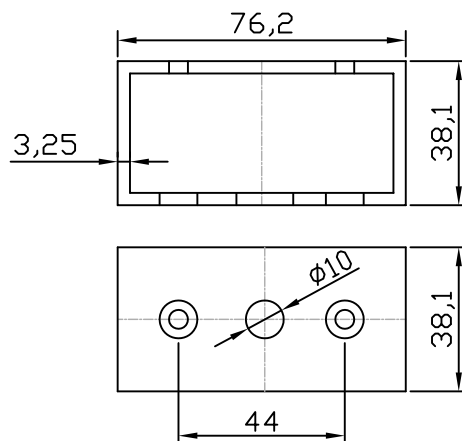
FAPIM FLUSH BOLT FITTING KIT

Comes complete with 5 No6 x 1" CSK Screws



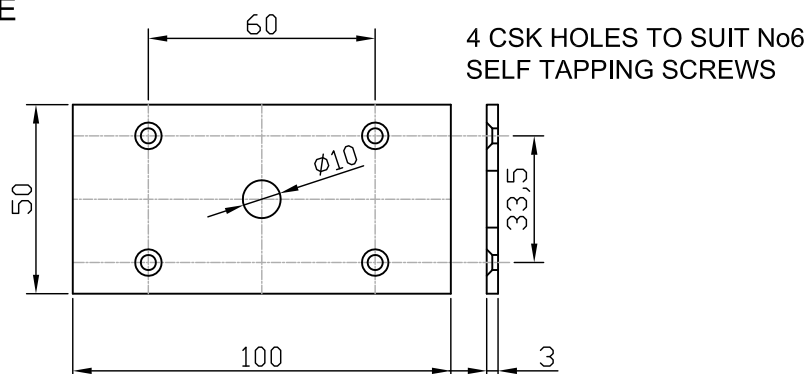
TDA050

FAPIM FLUSHBOLT HEADER BAR KEEP TO
SUIT HEADER BAR PLATE

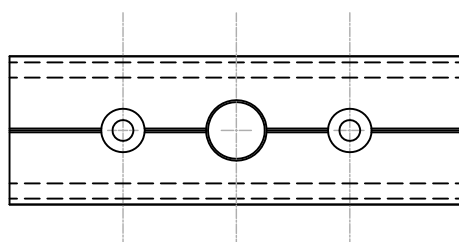


TDA051

FAPIM FLUSHBOLT THRESHOLD KEEP
PLATE



TDA052



DOUBLE DOOR ASSA
CONCEALED FLUSHBOLT
KEEP.

Comes complete with 2 Fixing Tabs and 2 Screws

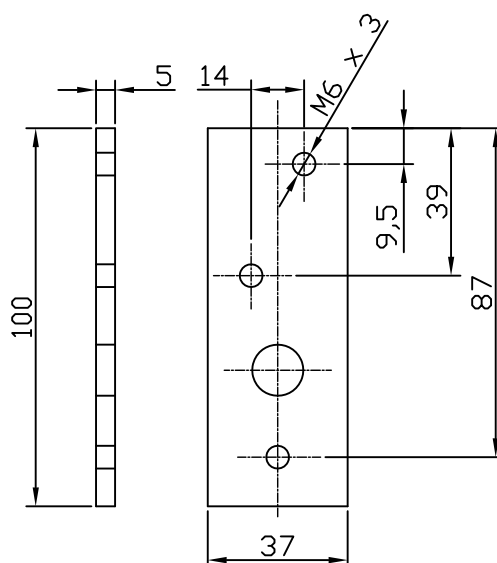
ASSA CONCEALED FLUSHBOLT HEADER
BAR KEEP TO SUIT HEADER BAR PLATE



ASSA CONCEALED FLUSHBOLT THRESHOLD
KEEP PLATE

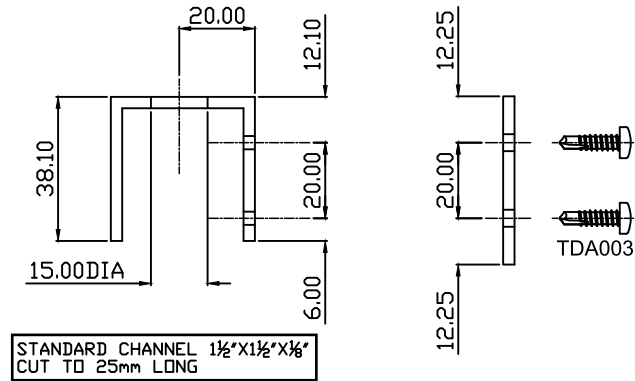


STAINLESS STEEL BASE PLATE FOR
THE EXIDOR HEAVY DUTY BOTTOM
PIVOT.



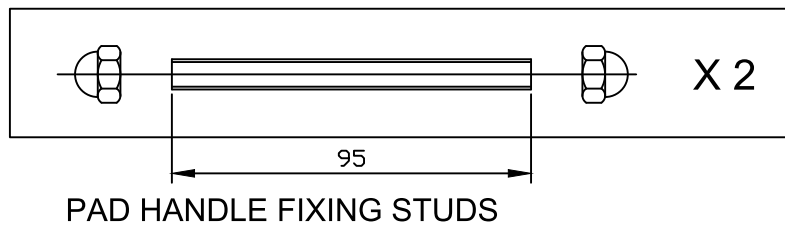
ASSA CONCEALED FLUSHBOLT GUIDE

TDA056



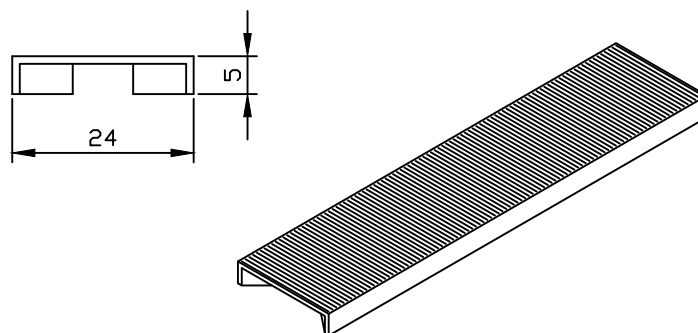
ROD GUIDE FOR ASSA ABLOY CONCEALED
FLUSHBOLT ASSEMBLY

TDA059



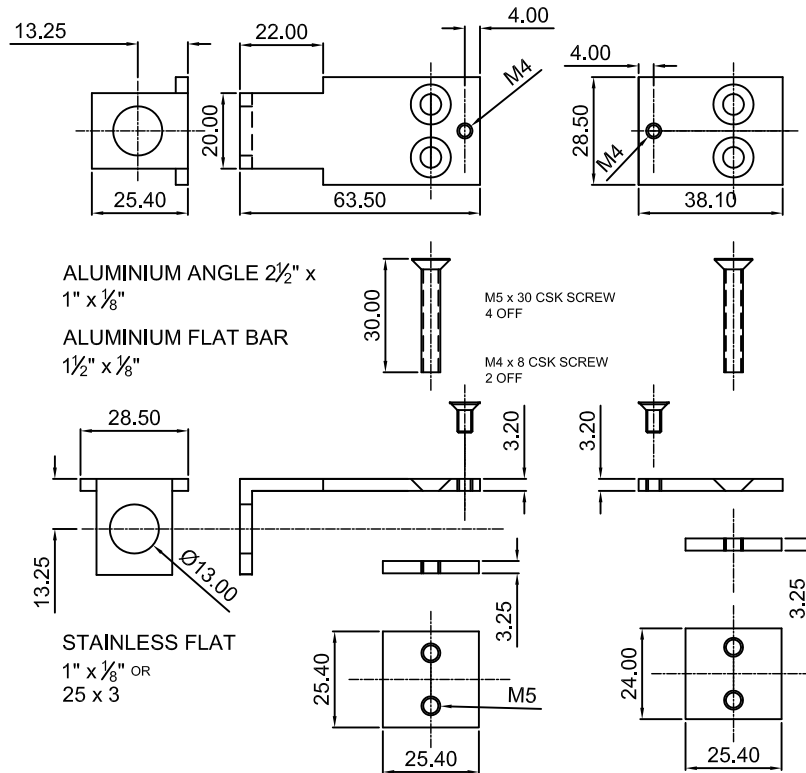
TDA032

BRIDGE PACKER



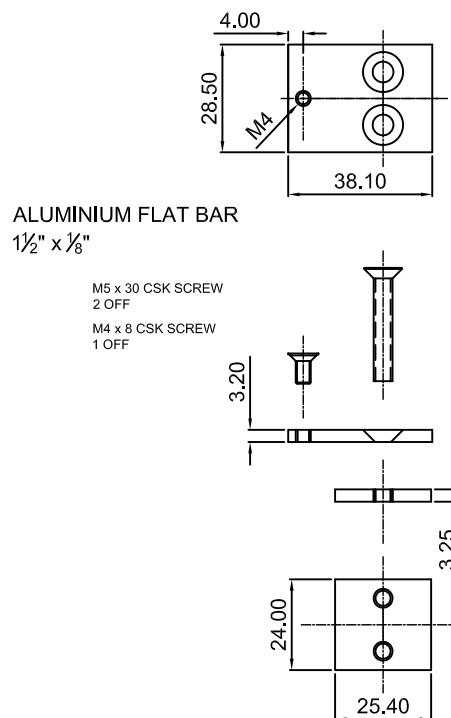
AXIM BOLT FIXINGS KITS

TDA062



AXIM FLUSHBOLT FITTING KIT

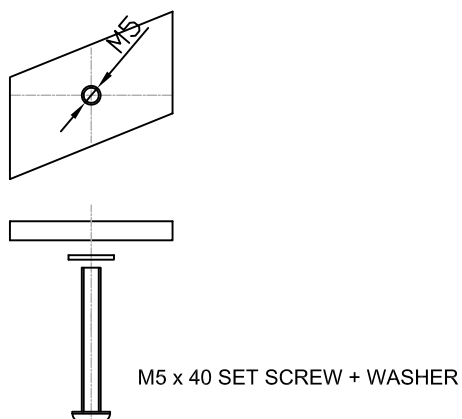
TDA063



AXIM FLUSHBOLT EXTENSION FITTING KIT

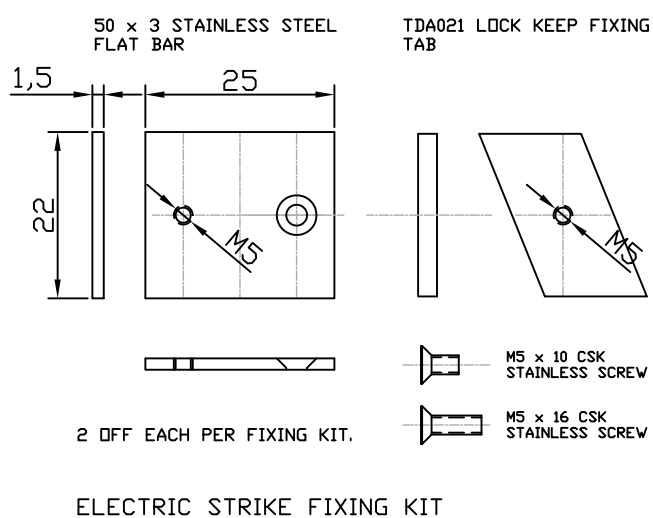
TDA068

ANTI FINGER TRAP ADAPTOR FIXING KIT



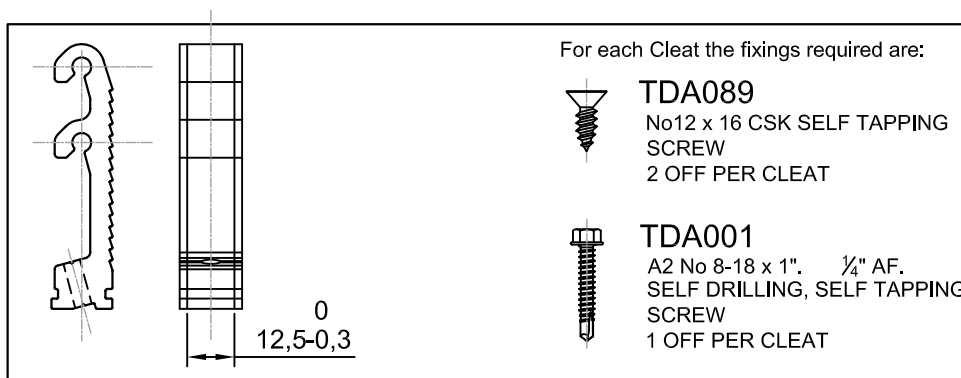
TDA069

ELECTRIC STRIKE FIXING KIT



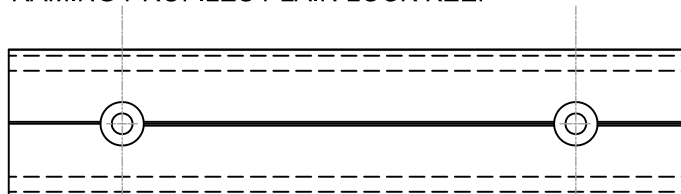
TDA086

LAY BAR SPIGOT



TDA087

FRAMING PROFILES PLAIN LOCK KEEP



Comes complete with 2 Fixing Tabs and 2 Screws

LOCK KEEP TO FIT FRAMING PROFILES TO BE MACHINED BY FABRICATOR TO SUIT OTHER ALTERNATIVE LOCKS

TDA088

DOUBLE DOOR PLAIN LOCK KEEP



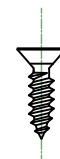
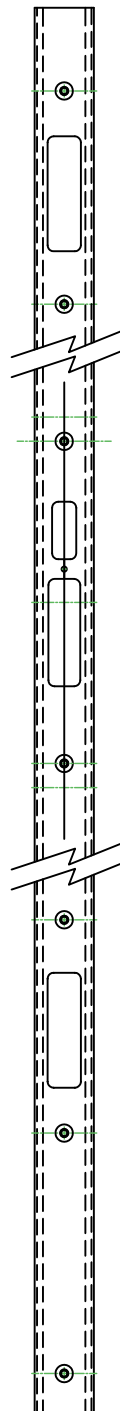
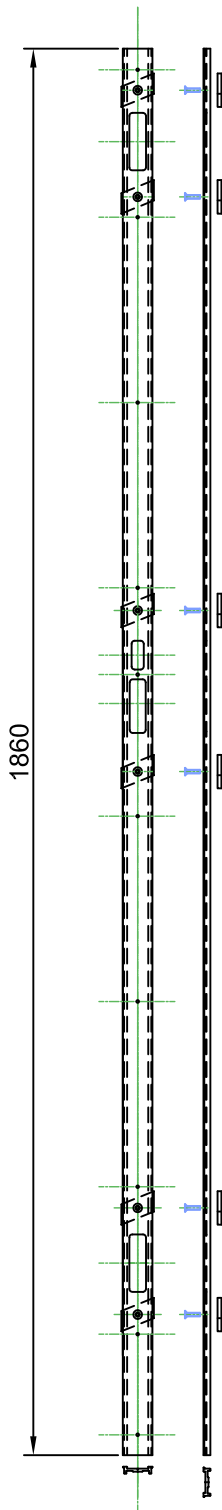
Comes complete with 2 Fixing Tabs and 2 Screws

LOCK KEEP TO FIT DOOR STILE PROFILES TO BE MACHINED BY FABRICATOR TO SUIT OTHER ALTERNATIVE LOCKS

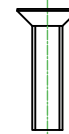
SENTINEL M STRIKE PLATE MOUNTING

TDA090

ADAMS RITE SENTINEL M
STRIKE PLATE MOUNTING



TDA064



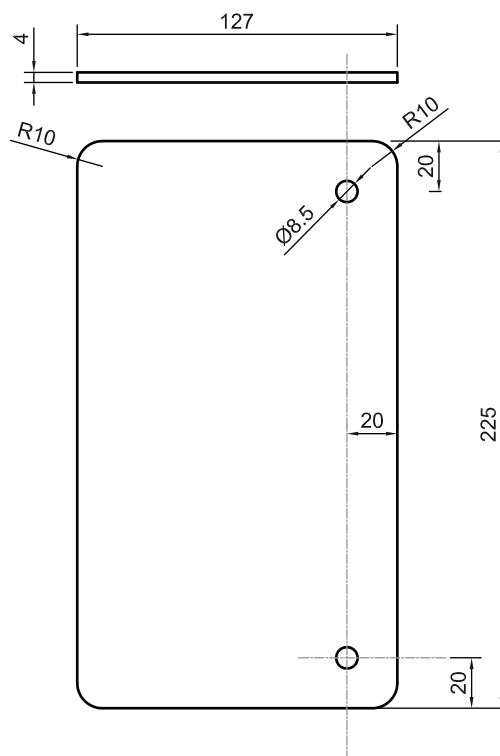
M5 x 20 CSK SCREW
AND CLAMP PLATE

KEEP PROFILE TO
TAKE ADAMS RITE
SENTINEL M STRIKE
PLATE.

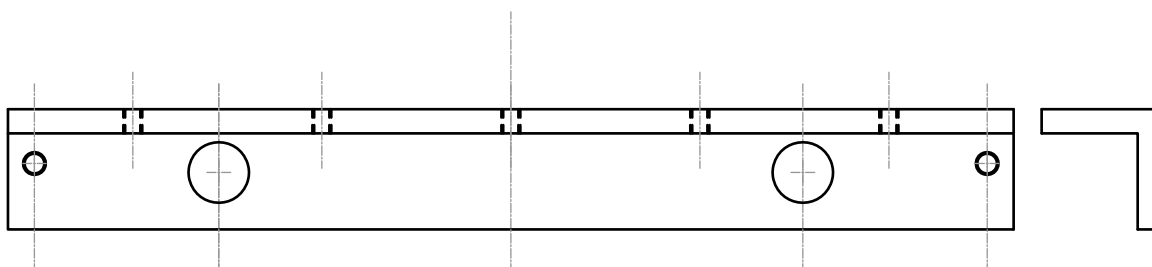
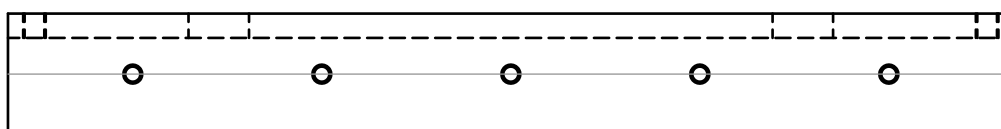
COUNTERSINK TO
SUIT M5 MACHINE
SCREWS USED TO
CLAMP PROFILE IN
DOOR JAMB
POCKET.

PILOT HOLES FOR
No8 SCREW FIXING
OF PLATE TO KEEP.

TDA107
PUSH PLATE



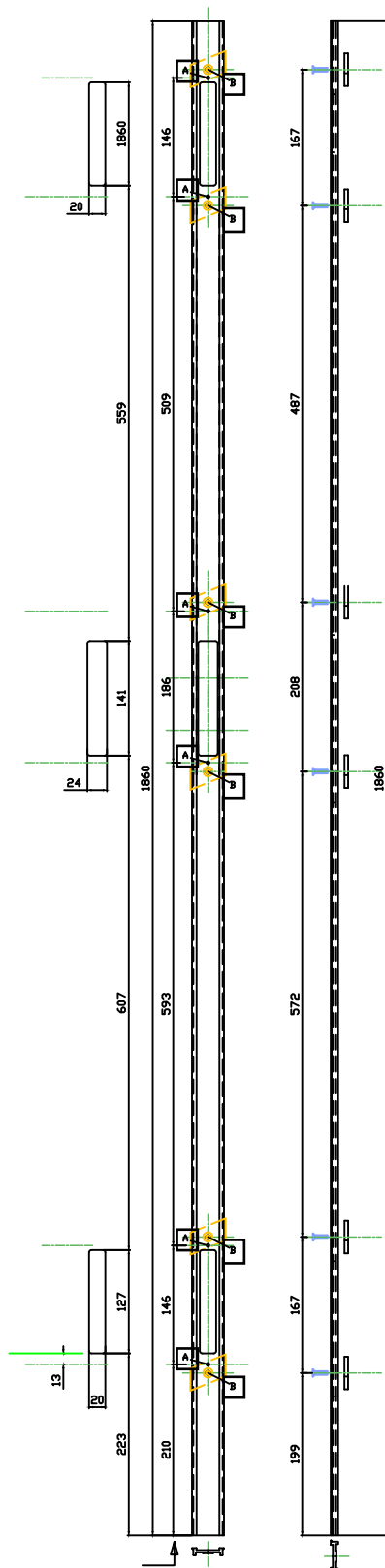
TDA101 ADAMS RITE 281 MOUNTING ANGLE
TDA113 ALUSPEC U10010 & U10020 MOUNTING ANGLE



*Superseded — see page 3.15
for new solution*

ISEO MULTIBLINDO STRIKE PLATE MOUNTING

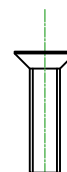
TDA114 ISEO MULTIBLINDO STRIKE MOUNTING



STRIKE FIXING
HOLE CENTRES
MOST IMPORTANT.



TDA064



M5 x 20 CSK SCREW
AND CLAMP PLATE

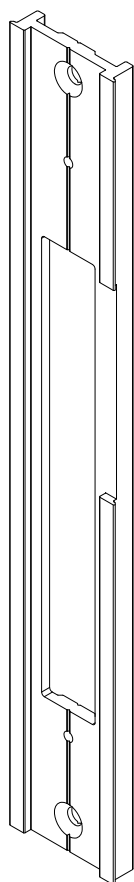
KEEP PROFILE TO
TAKE ISEO
MULTIBLINDO
STRIKES.

COUNTERSINK TO
SUIT M5 MACHINE
SCREWS USED TO
CLAMP PROFILE IN
DOOR JAMB
POCKET.

ISEO MULTIBLINDO STRIKE PLATE MOUNTING

TDA 143

MULTIBLINDO STRIKE MOUNTING KIT L/H





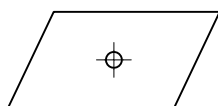
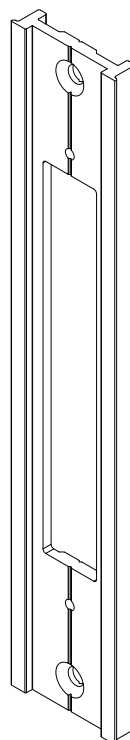
 x6
 x6

Plate LH
x 1



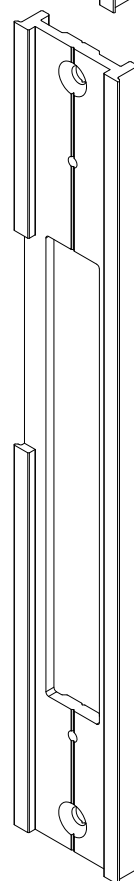
Parallelogram plate x6



Top & Bottom Plate
x2

TDA 144

MULTIBLINDO STRIKE MOUNTING KIT R/H





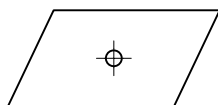
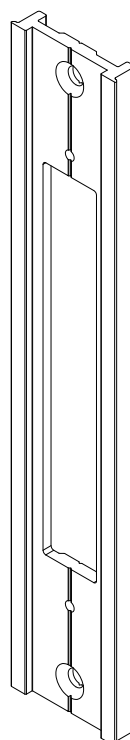
 x6
 x6

Plate RH
x 1

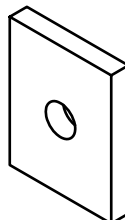


Parallelogram plate x6

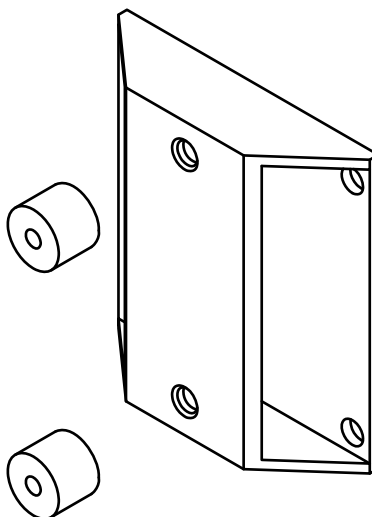


Top & Bottom Plate
x2

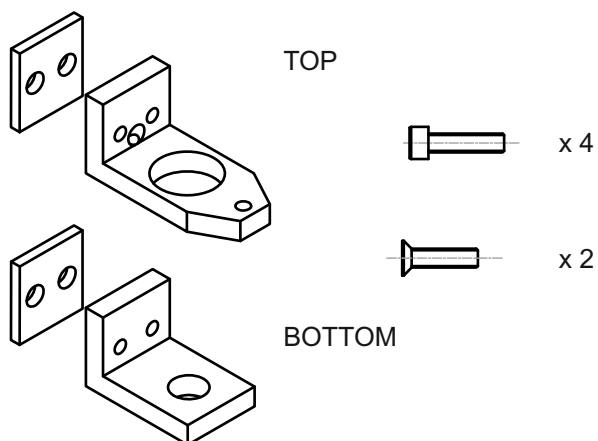
TD190
SPACER PACK



TD192
TOP STRIKER MOUNTING

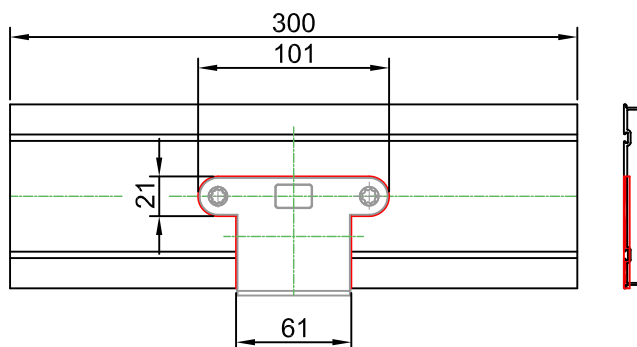


TD193
SLAVE LEAF LOCKING
ROD MOUNTING AND
GUIDE



TDA191

TOP STRIKE NTB
MACHINED COVER
PLATE (300mm LONG)

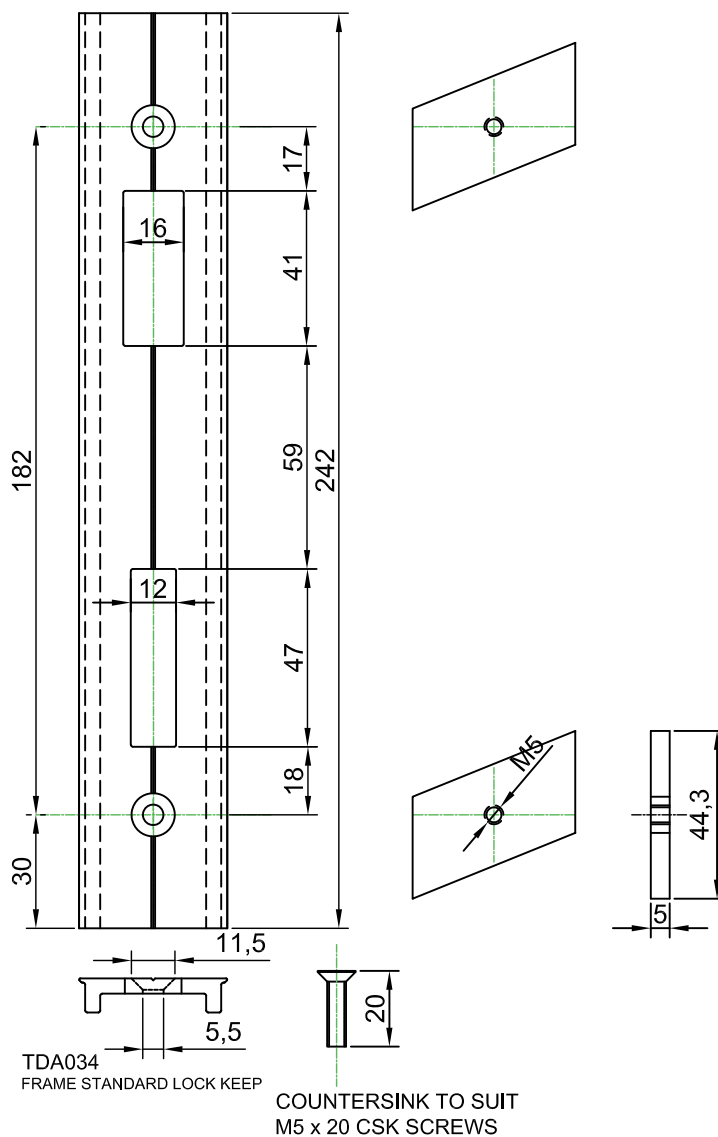


TDA151

SINGLE DOOR NEMEF
LOCK KEEP

LOCK KEEP TO FIT DOOR
FRAME PROFILES TO SUIT
NEMEF 9604 / 07 LOCK

Comes complete with 2 Fixing Tabs
and 2 Screws

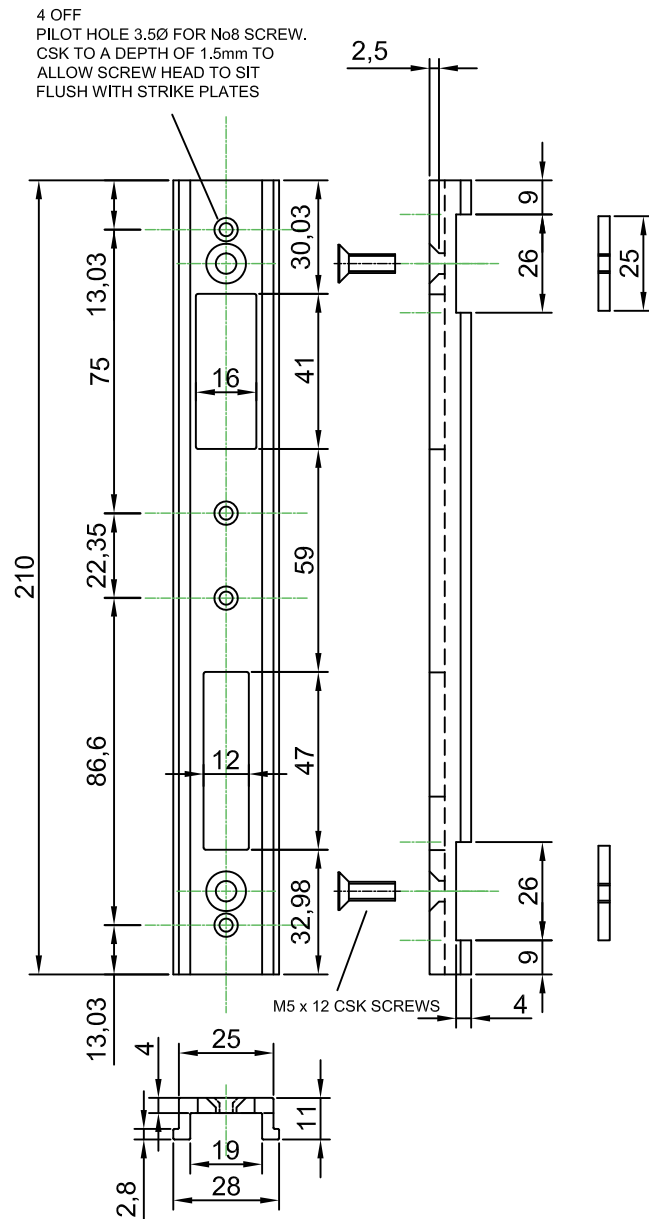


TDA152

DOUBLE DOOR NEMEF
LOCK KEEP

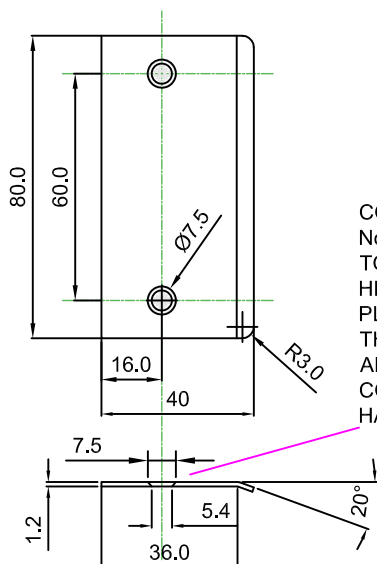
LOCK KEEP TO FIT DOOR
STILE PROFILES TO SUIT
NEMEF 9604 / 07 LOCK

Comes complete with 2 Fixing Tabs
and 2 Screws



TDA108

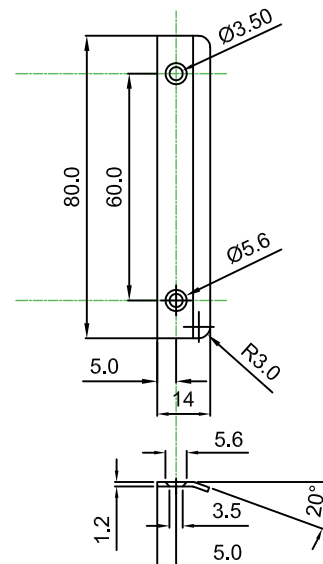
FRAME STRIKE PLATE EXTENSION



COUNTERSINK TO ACCEPT
No 6 SELF TAPPING SCREW
TO LEAVE THE SCREW
HEAD FLUSH WITH THE
PLATE.
THE FRAME PROFILE WILL
ALSO HAVE A
COUNTERSINK FOR THIS TO
HAPPEN.

TDA158

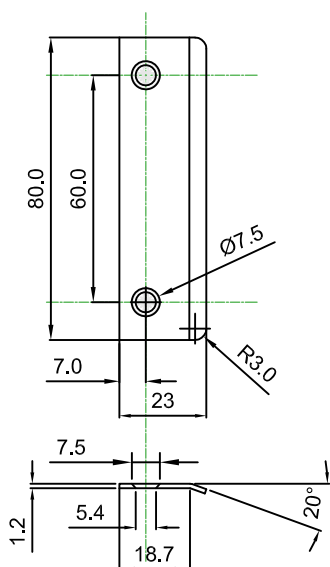
TD008 STILE 80 mm STRIKE PLATE



FIX USING 3.2 mm CSK POP
RIVET.

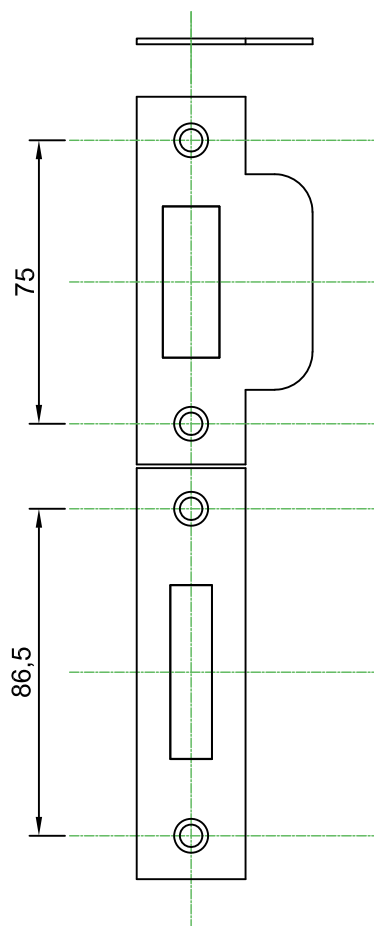
TDA159

DOOR STILE STRIKE PLATE EXTENSION



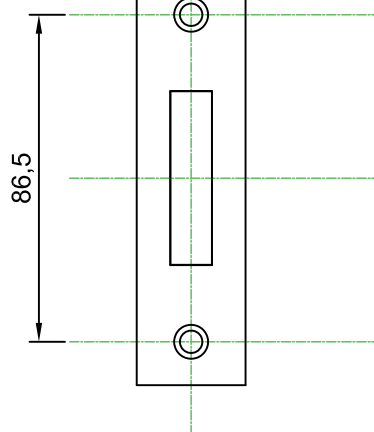
TDA131

NEMEF
P635/17



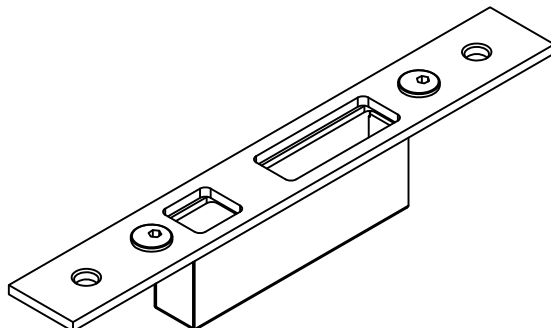
TDA132

NEMEF
P636/17



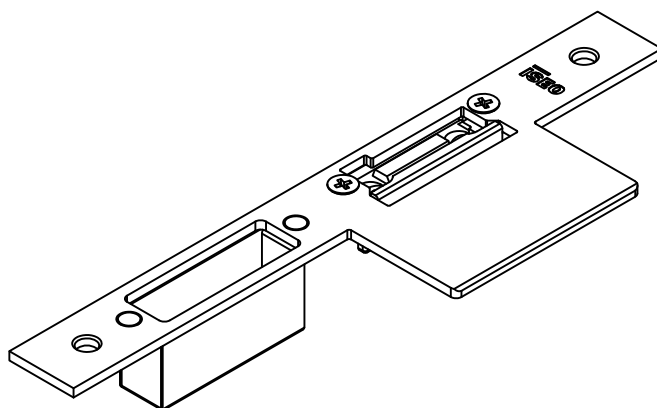
TDA 120

MULITIBLINDO KEEP STRIKE PLATE TOP & BOTTOM



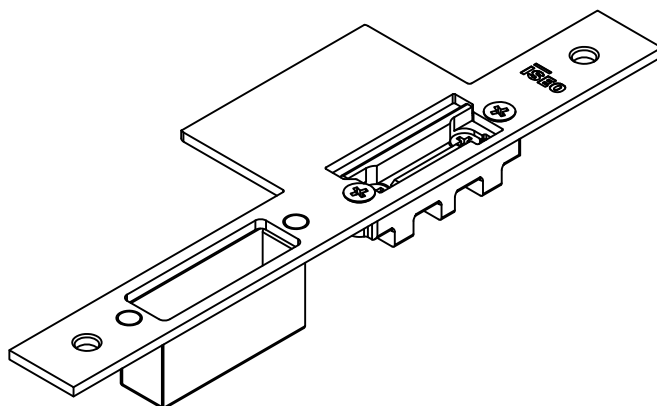
TDA 145

MULITIBLINDO KEEP STRIKE PLATE CENTRAL L/H



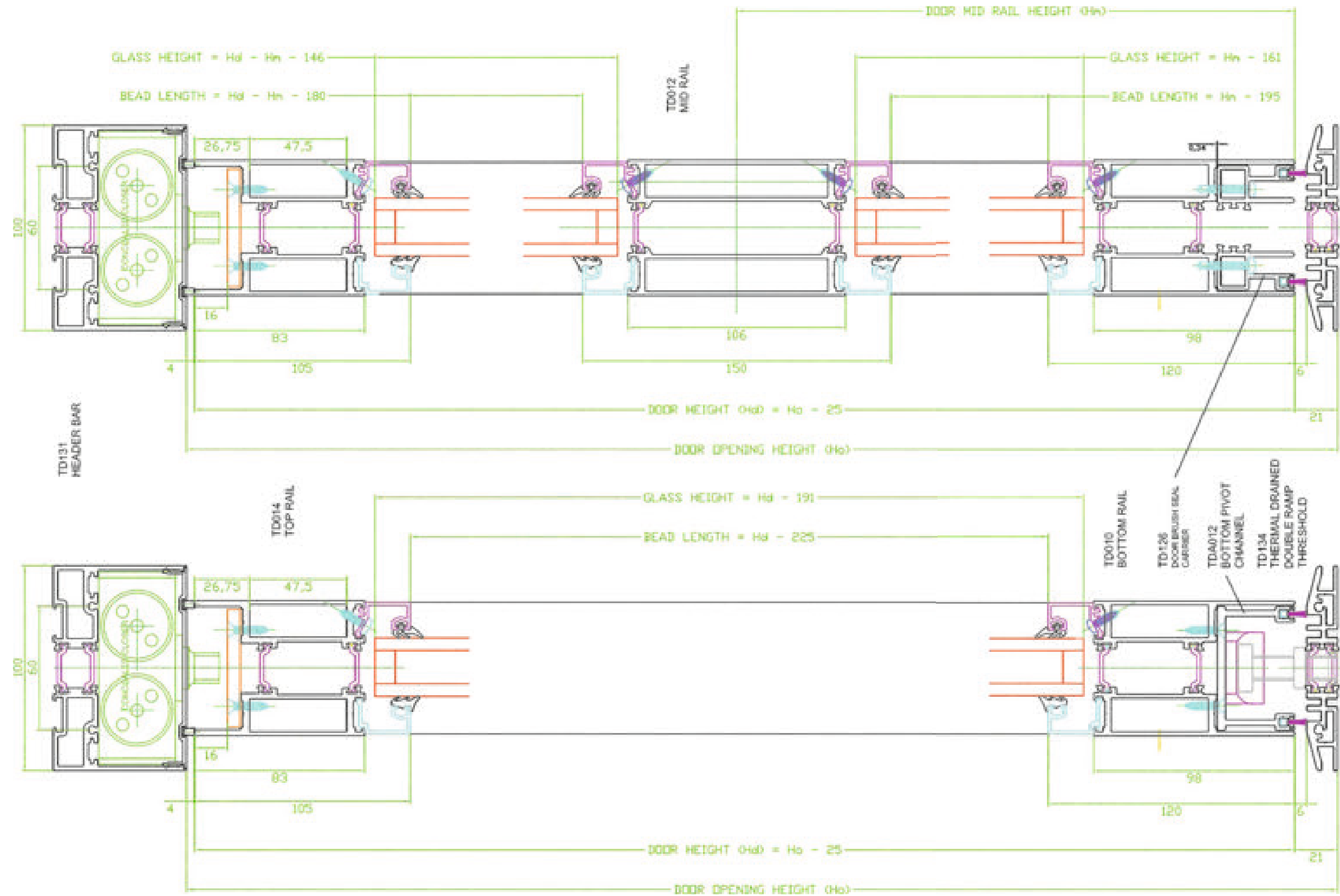
TDA 146

MULITIBLINDO KEEP STRIKE PLATE CENTRAL R/H

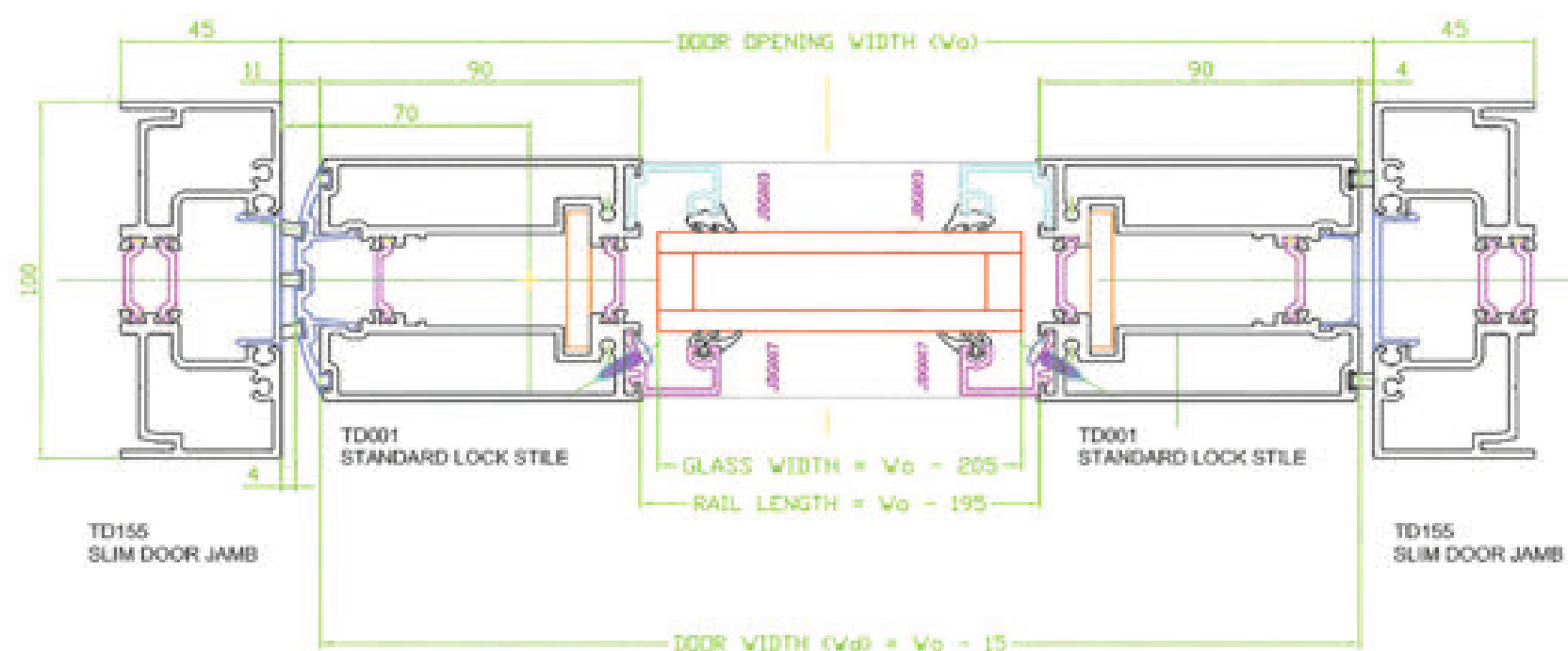
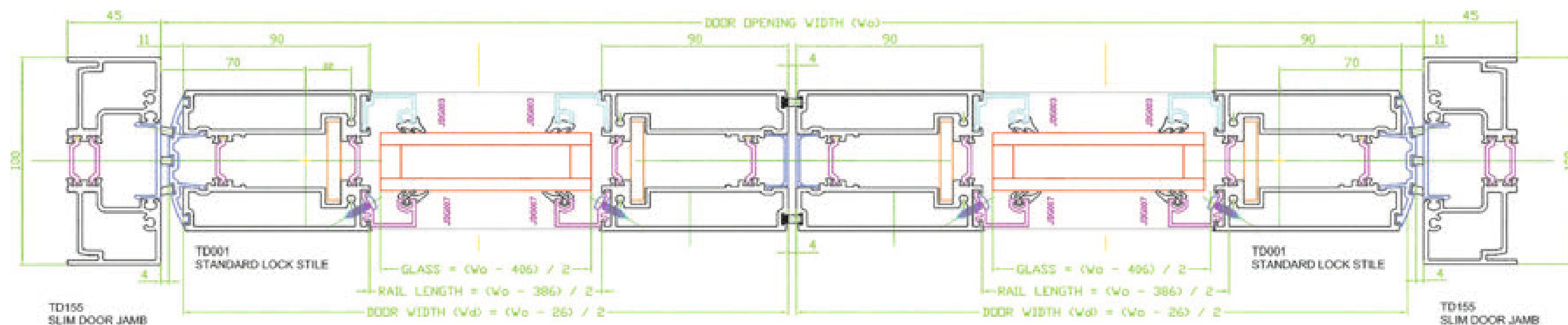


Layout Drawings

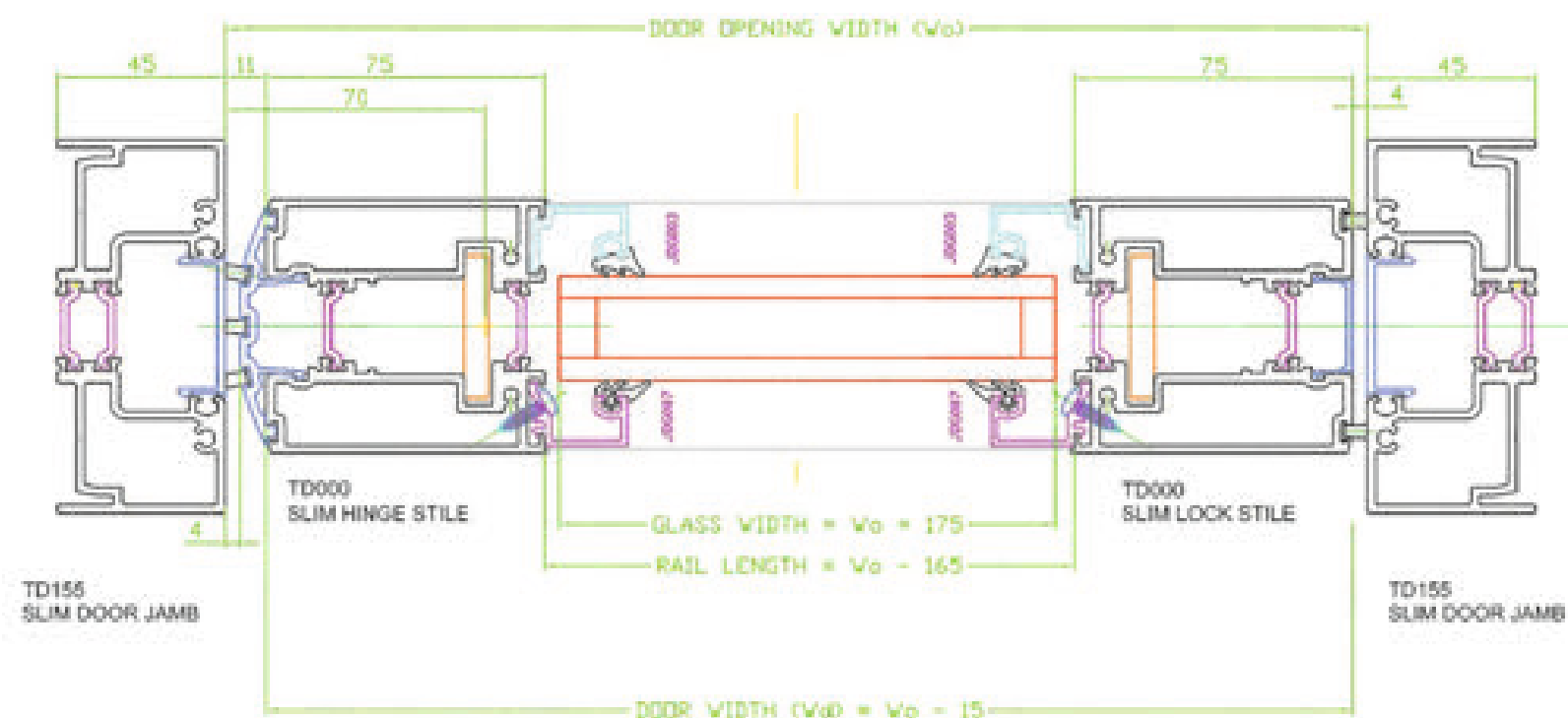
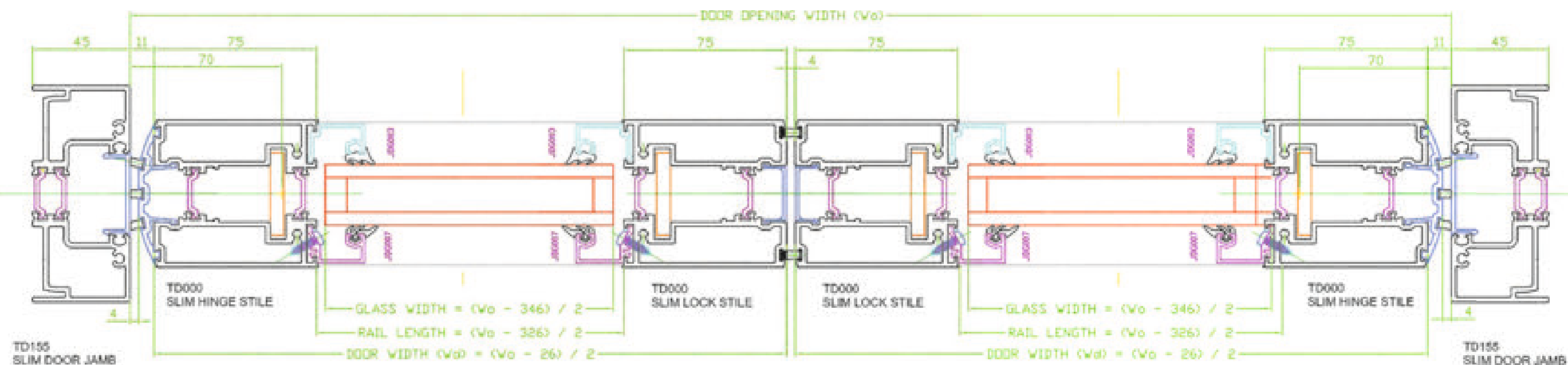
VERTICAL CROSS SECTION



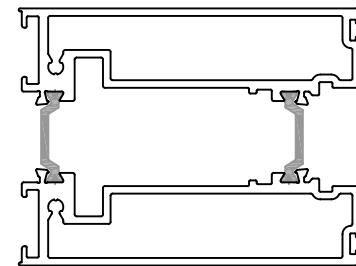
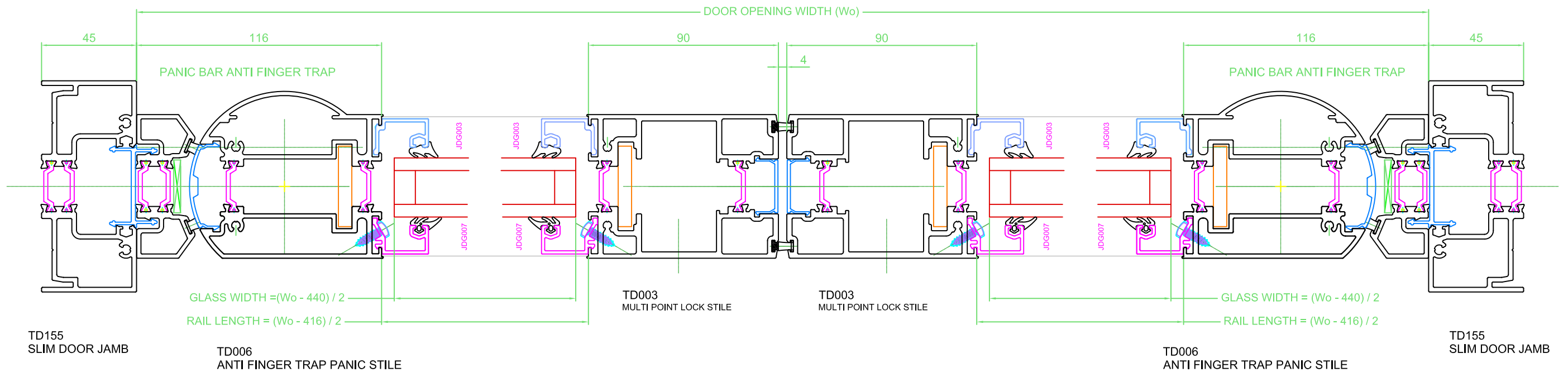
HORIZONTAL CROSS SECTION, STANDARD LOCK STILE (90 mm)



HORIZONTAL CROSS SECTION, SLIM LOCK STILE (75 mm)

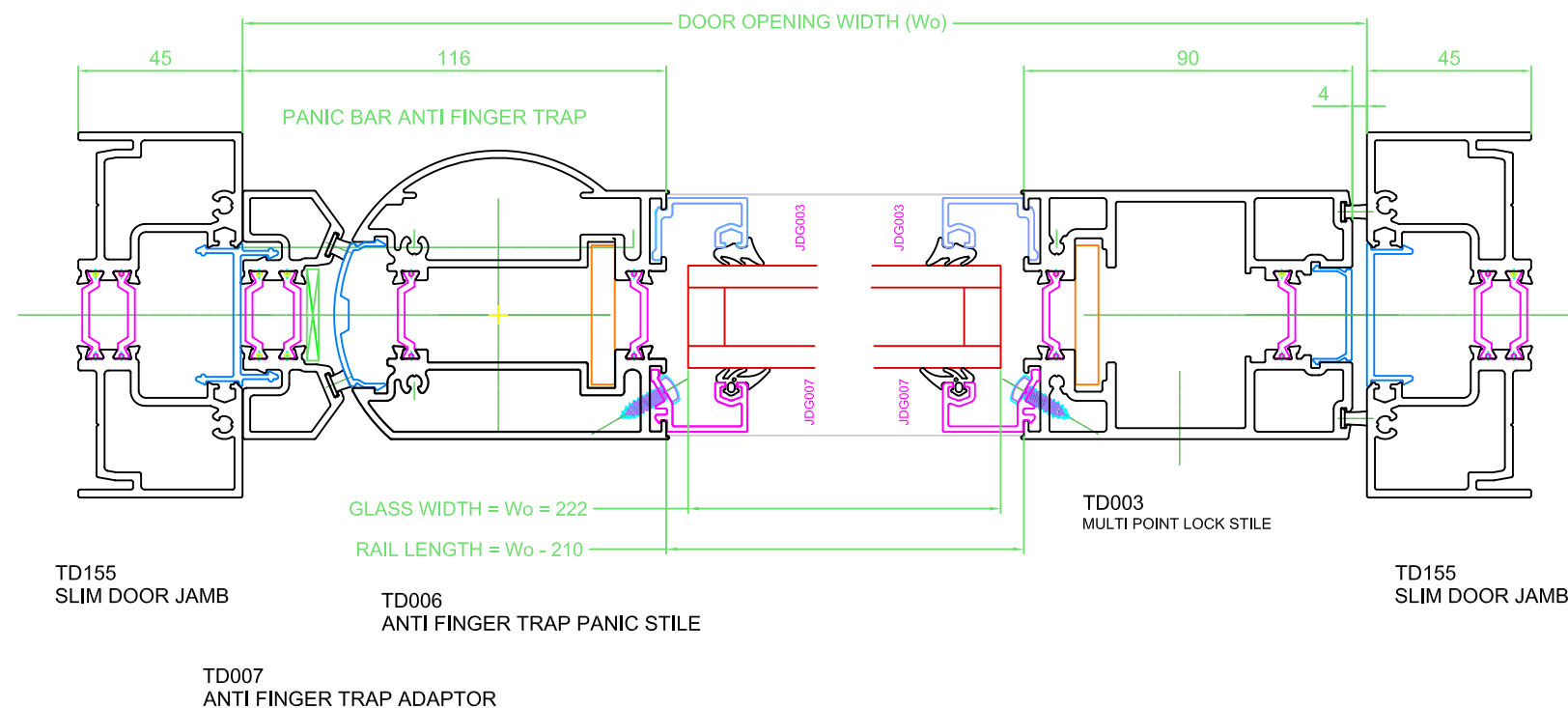


HORIZONTAL CROSS SECTION, ANTI FINGER TRAP PANIC LOCK STILE

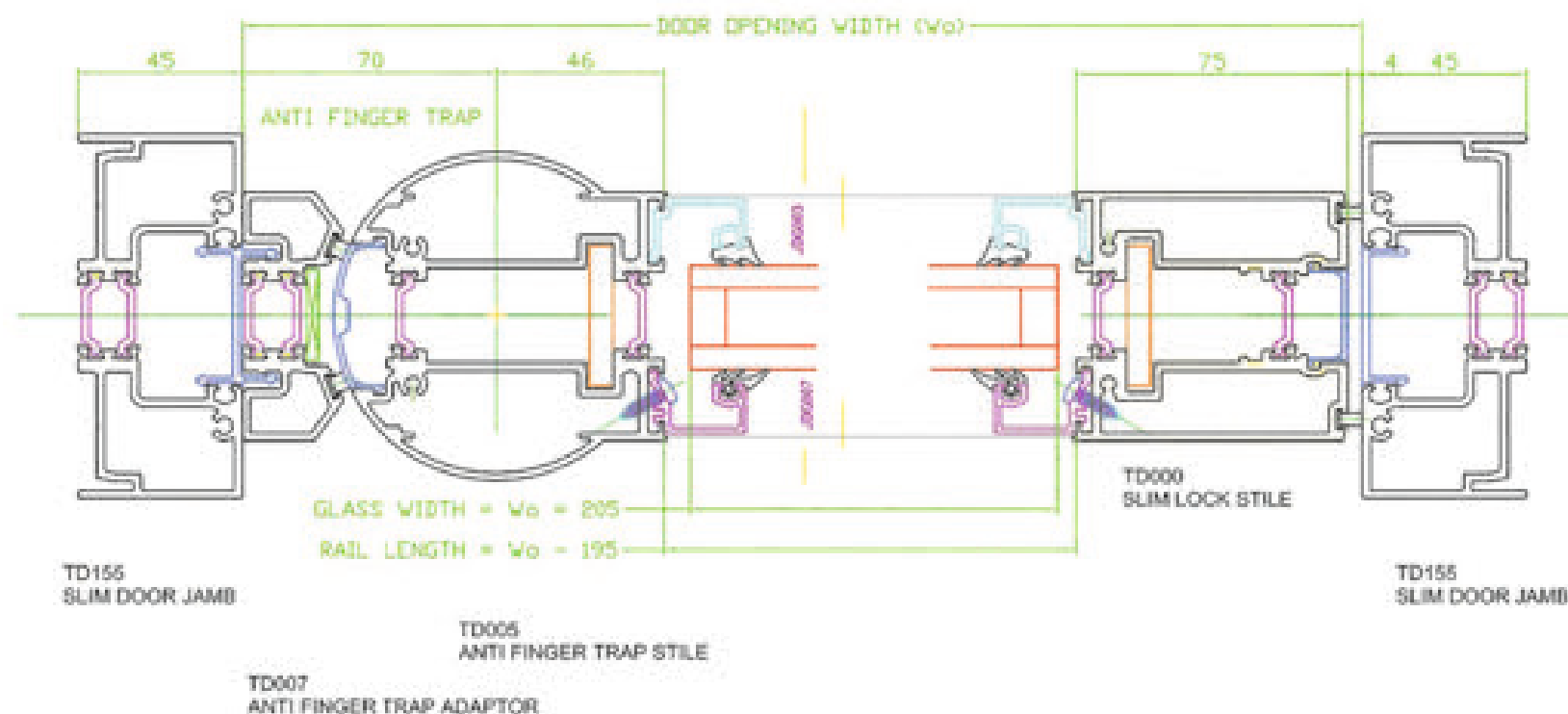
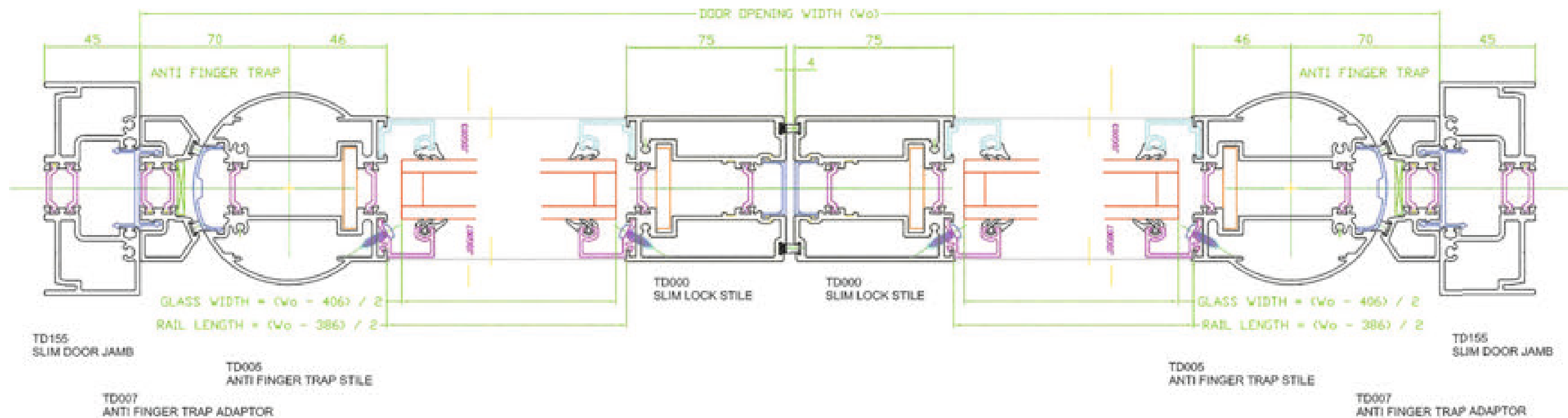


THE CHOICE OF STILE PROFILE MAY DEPEND ON THE CHOSEN LOCKING OR PANIC HARDWARE. TD003 WILL BE MORE SUITED TO CONCEALED MECHANISMS WHERE AN INTERNAL FREE AREA IS REQUIRED. TD001 MAY BE CHOSEN FOR OTHER LOCKING.

TD001
STANDARD LOCK STILE



HORIZONTAL CROSS SECTION, ANTI FINGER TRAP LOCK STILE



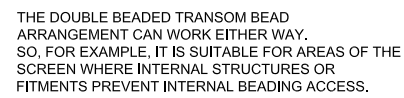
The image contains two technical drawings of door profiles, likely for a sliding door system. The top drawing shows a profile with an anti-finger trap and sun-look style, with dimensions for glass width, rail length, and door opening width. The bottom drawing shows a profile with an anti-finger trap and sun-look style, with dimensions for glass width, rail length, and door opening width. Both drawings include labels for various components like door jamb, pocket channel, pocket plate, anti-finger trap style, and anti-finger trap adaptor.

Top Drawing Labels:

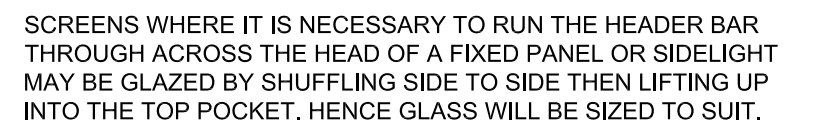
- 45
- VISION WIDTH
- 80
- 75
- 45
- ANTI FINGER TRAP
- 3000 SUN-LOOK STYLE
- 3000 SUN-LOOK STYLE
- 45
- 75
- 80
- VISION WIDTH
- 45
- VISION WIDTH + 17
- TD155 SUN DOOR JAMB
- TD150 POCKET CHANNEL
- TD152 POCKET PLATE
- TD008 ANTI FINGER TRAP STYLE
- TD007 ANTI FINGER TRAP ADAPTOR
- GLASS WIDTH = $VW - 400 / 2$
- RAIL LENGTH = $VL - 360 / 2$
- 3000 OPENING WIDTH (VW)
- 75
- 4
- 75
- ANTI FINGER TRAP
- GLASS WIDTH = $VW - 400 / 2$
- RAIL LENGTH = $VL - 360 / 2$
- TD008 ANTI FINGER TRAP STYLE
- TD152 POCKET PLATE
- TD150 POCKET CHANNEL
- TD155 SUN DOOR JAMB
- TD007 ANTI FINGER TRAP ADAPTOR

Bottom Drawing Labels:

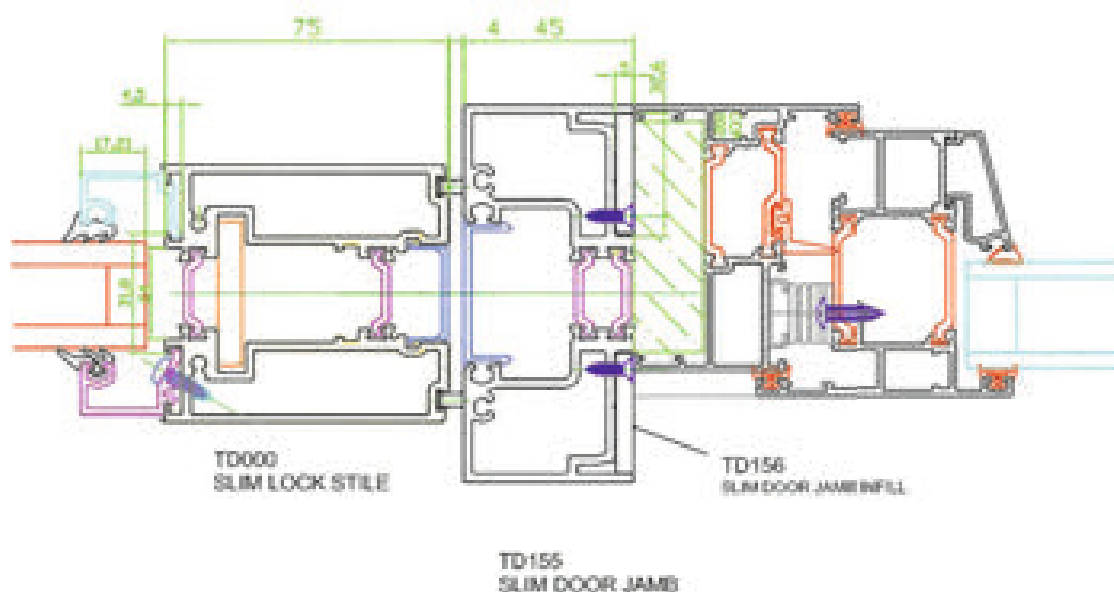
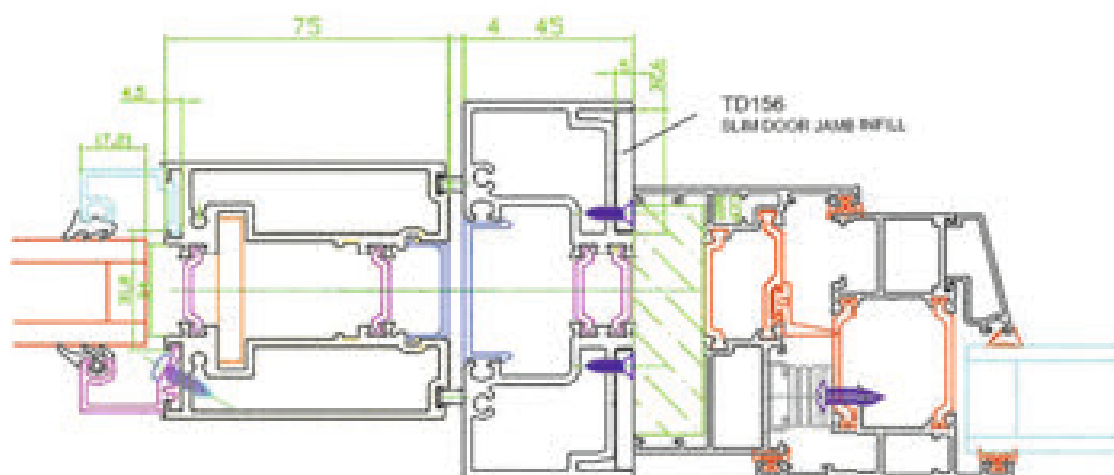
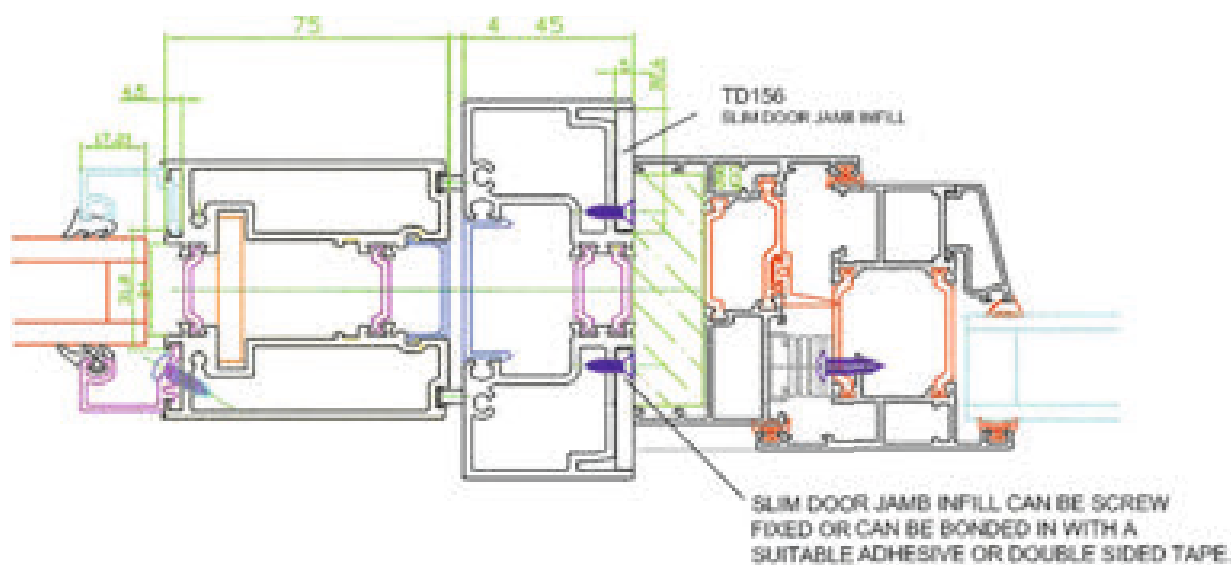
- 45
- VISION WIDTH
- 80
- 75
- 45
- ANTI FINGER TRAP
- 3000 SUN-LOOK STYLE
- 45
- 75
- 80
- VISION WIDTH
- 45
- VISION WIDTH + 17
- TD155 SUN DOOR JAMB
- TD150 POCKET CHANNEL
- TD152 POCKET PLATE
- TD008 ANTI FINGER TRAP STYLE
- TD007 ANTI FINGER TRAP ADAPTOR
- GLASS WIDTH = $VW - 400$
- RAIL LENGTH = $VL - 190$
- 3000 OPENING WIDTH (VW)
- 75
- 4
- 75
- ANTI FINGER TRAP
- GLASS WIDTH = $VW - 400$
- RAIL LENGTH = $VL - 190$
- TD008 ANTI FINGER TRAP STYLE
- TD152 POCKET PLATE
- TD150 POCKET CHANNEL
- TD155 SUN DOOR JAMB
- TD007 ANTI FINGER TRAP ADAPTOR
- OUTSIDE TO HALLWAY CENTRELIN



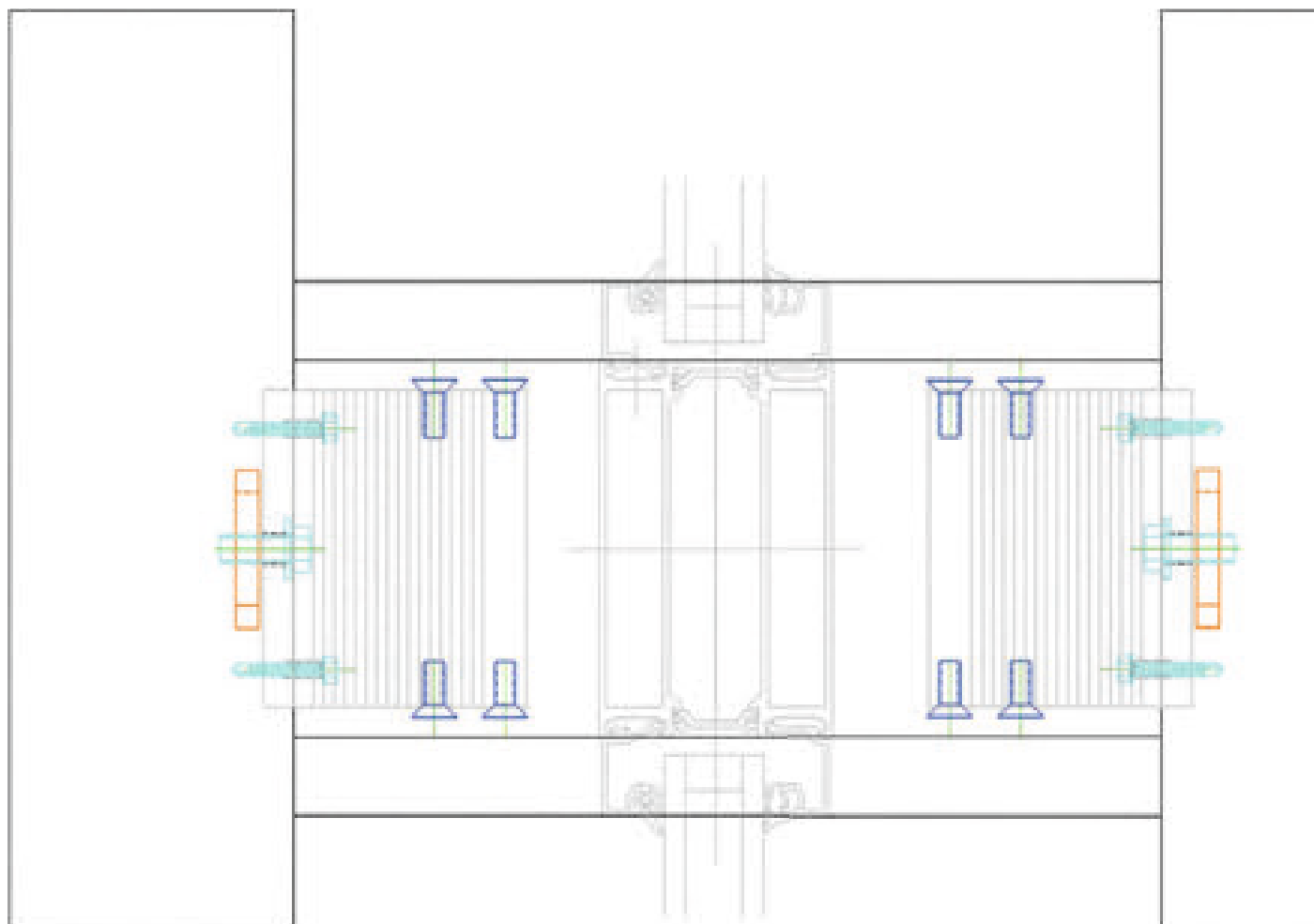
CILL
TD151



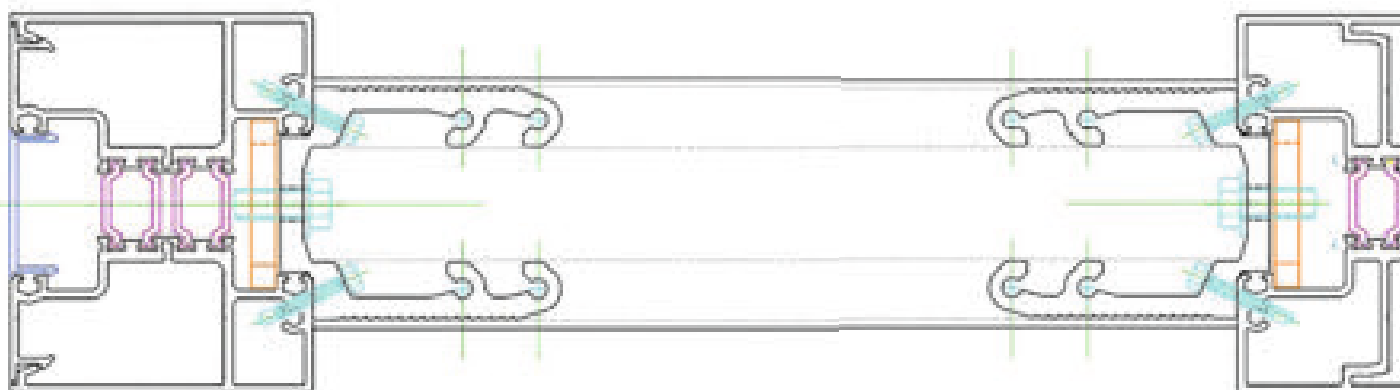
TYPICAL WINDOW COUPLING DETAIL



OPTIONAL SIDELIGHT MID RAIL DETAIL



TDA023
SIDELIGHT MID RAIL CLEAT KIT



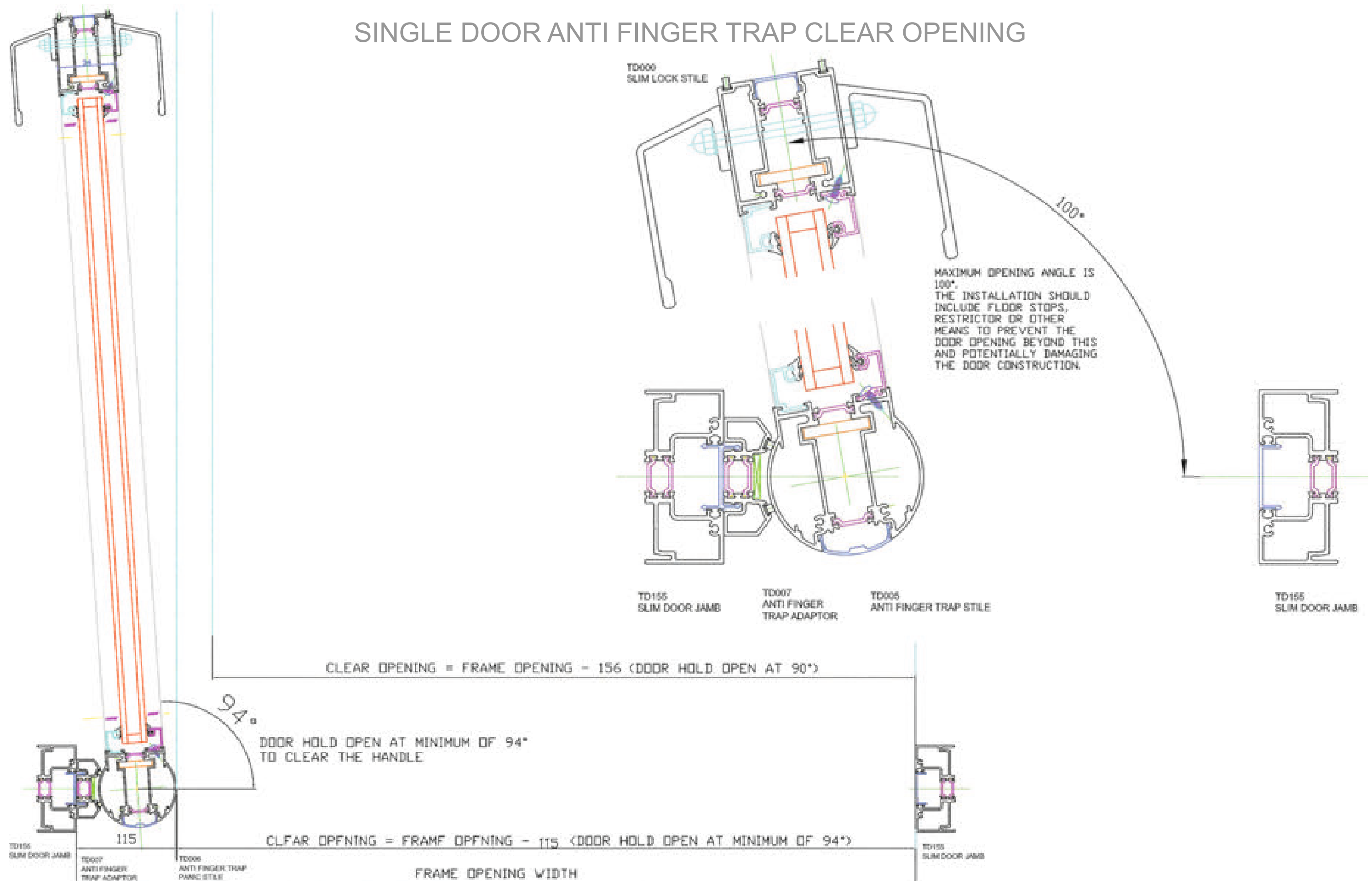
TD152
POCKET PLATE

TD150
POCKET CHANNEL

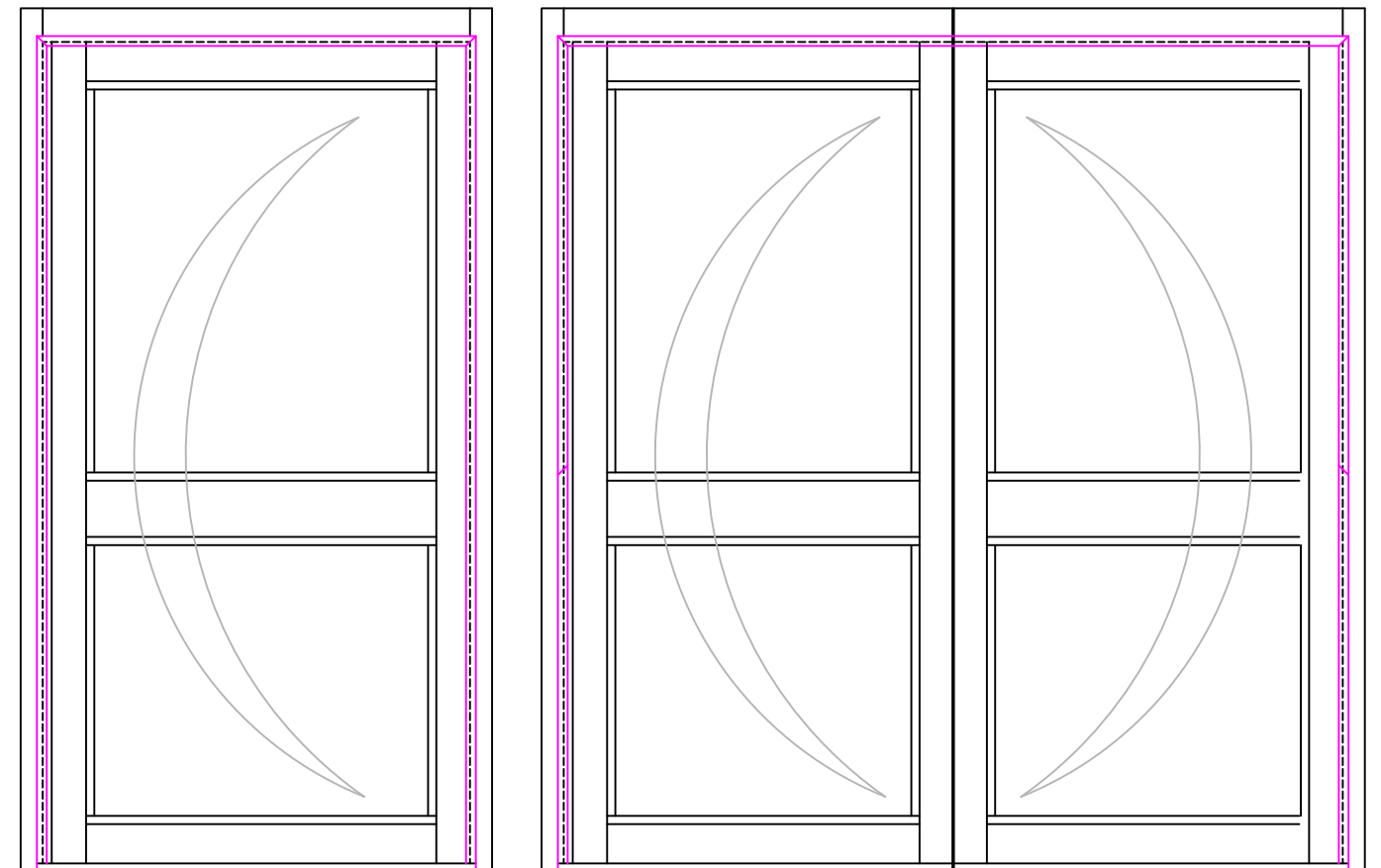
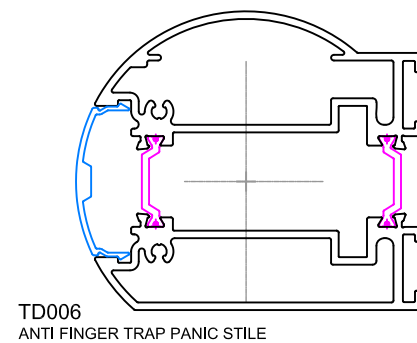
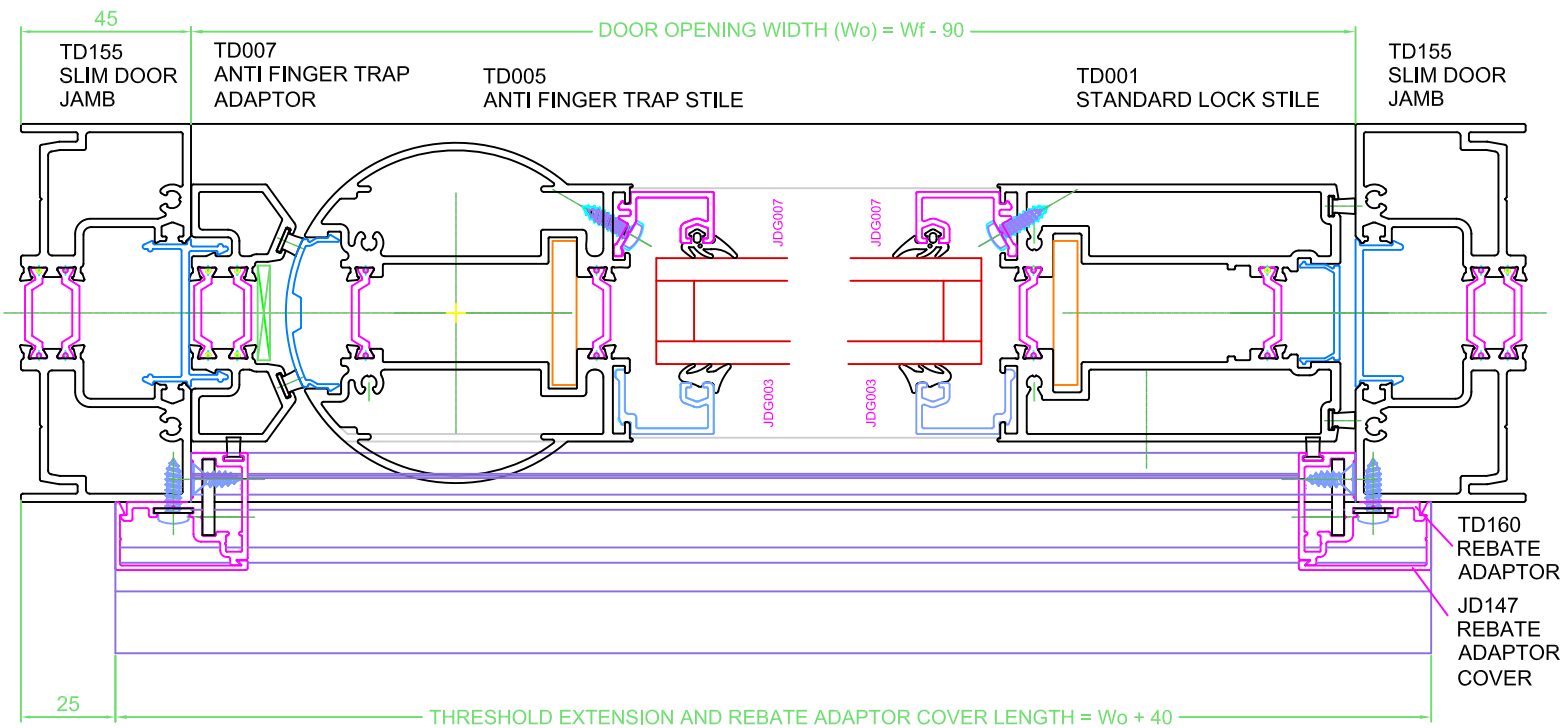
WHERE A SIDELIGHT IS REQUIRED TO HAVE A MID RAIL WHICH FOLLOWS THE SIGHT LINE OF THE DOOR MID RAIL THIS CAN BE FITTED AS SHOWN ABOVE USING TDA023 CLEATS

TD155
SLIM DOOR JAMB

SINGLE DOOR ANTI FINGER TRAP CLEAR OPENING



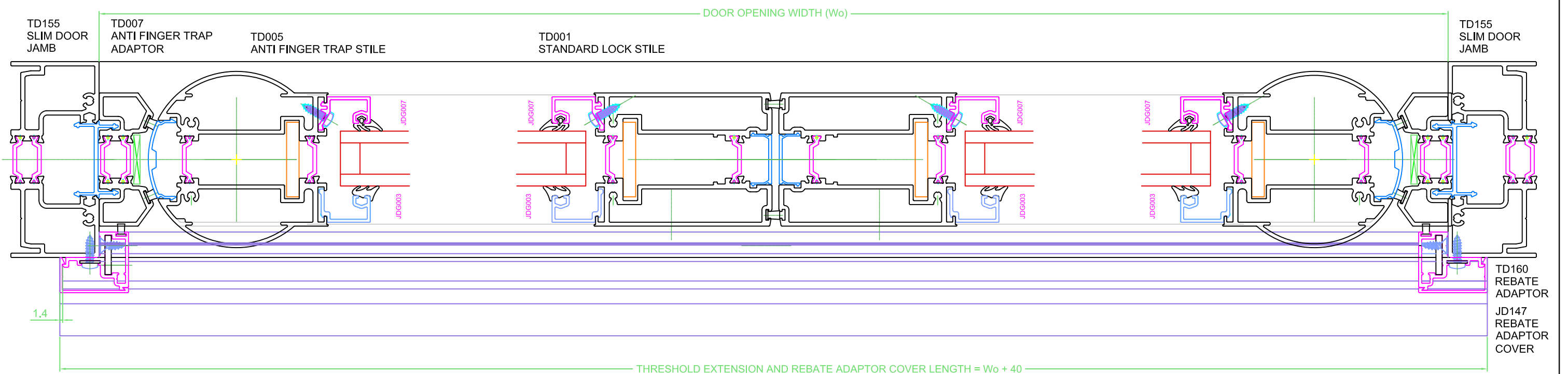
PANIC DOOR ARRANGEMENT WITH REBATE ADAPTOR



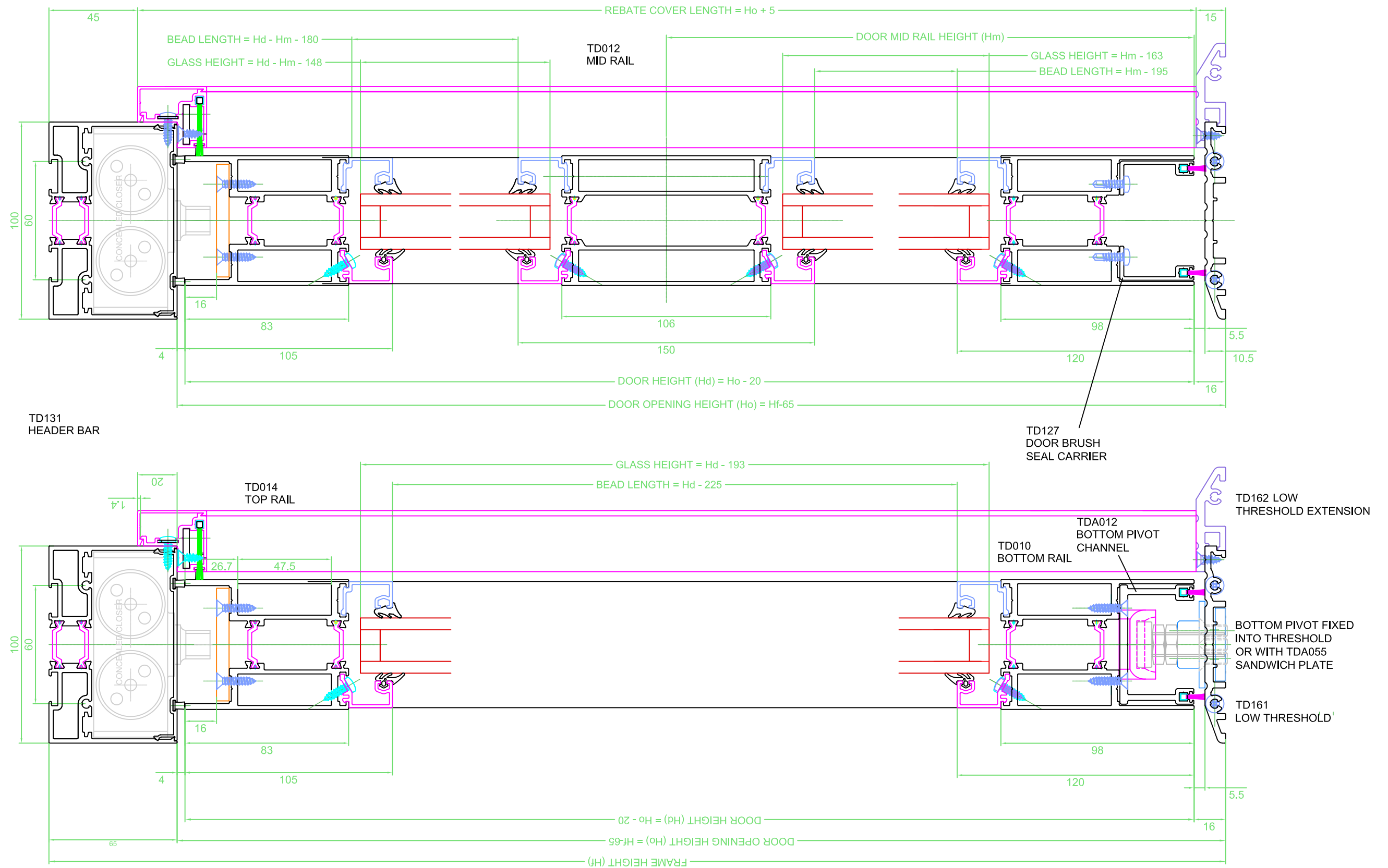
GENERAL ARRANGEMENT FOR FACE FIX AND/OR LATCH TYPE PANIC HARDWARE. IF THE TOUCH BAR EXTENDS TO CONNECT ONTO THE AFT STILE THEN TD006 MAY BE USED, BUT THE REBATE ADAPTOR AND THRESHOLD EXTENSION WILL STILL HAVE TO BE MACHINED TO ALLOW FOR ROTATION.

FOR CONCEALED TYPES THE TD003 STILE CAN BE USED TO HOUSE THE OPERATING GEAR OF THE HARDWARE.

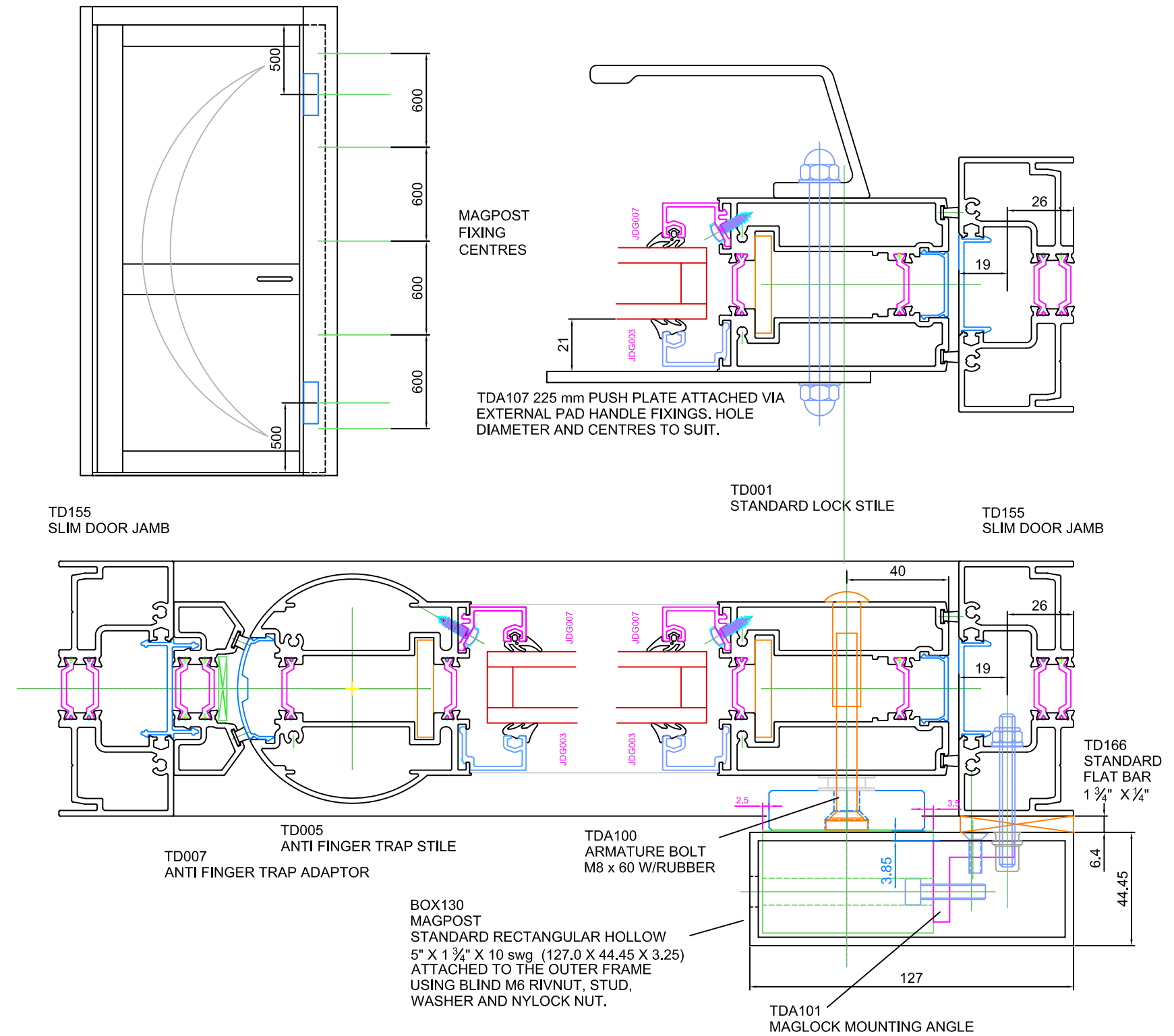
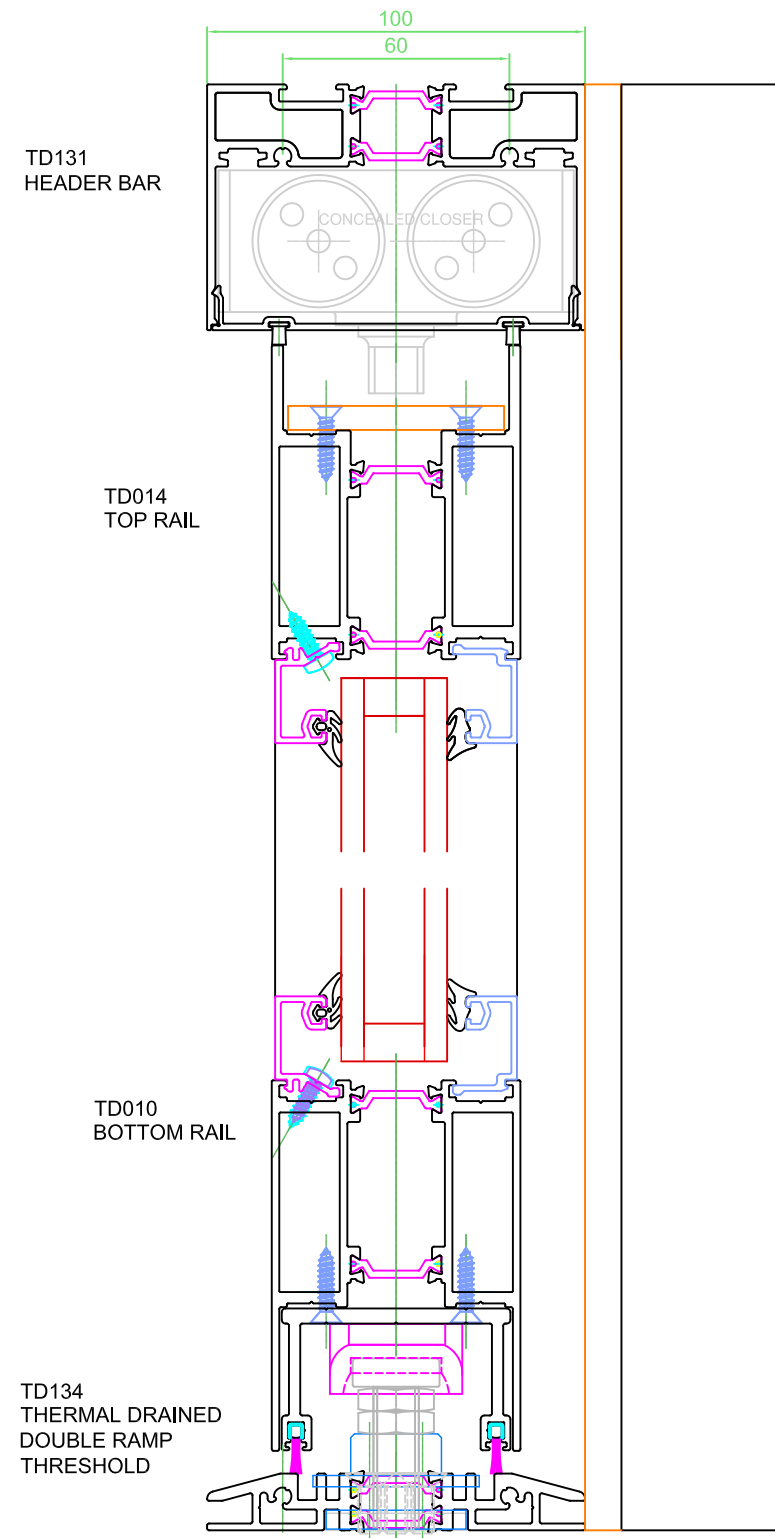
CHECK THE CHOSEN HARDWARE FITTING INSTRUCTIONS BEFORE CHOOSING THE STILE PROFILE TO SUIT.



PANIC DOOR ARRANGEMENT WITH REBATE ADAPTOR

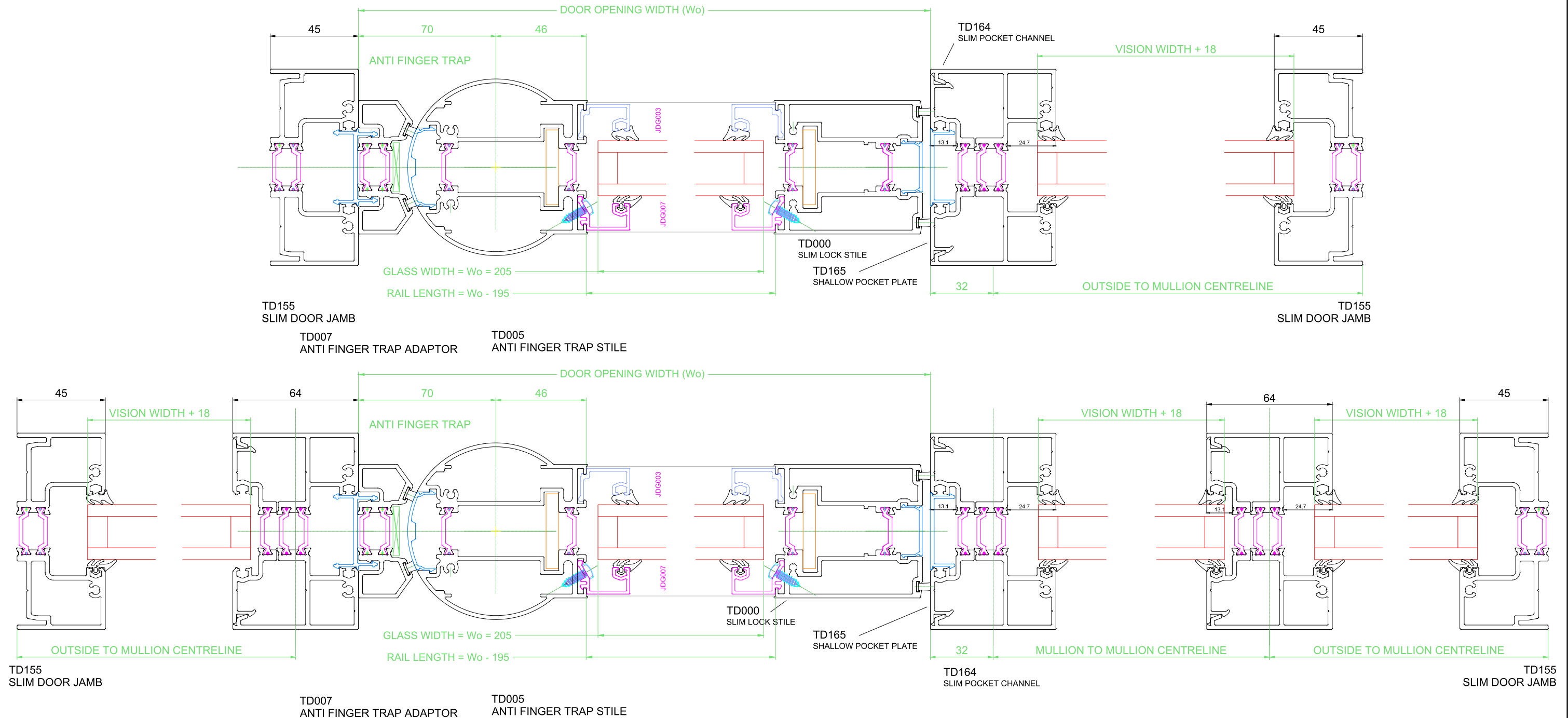


MAGLOCK DOOR ARRANGEMENT

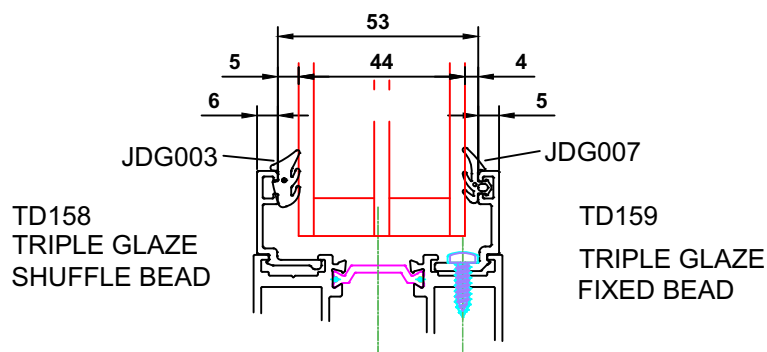


PIVOT DOOR WITH SLIM MULLION AND SLIM LOCK STILE

NOTE:
THE TD164/TD165 COMBINATION HAS
SHALLOWER GLAZING POCKETS SO IT IS
NECESSARY TO MACHINE CLEARANCE
FOR THE LOCK BARBOLT TO ENSURE IT
ENGAGES FULLY IN THE KEEP.

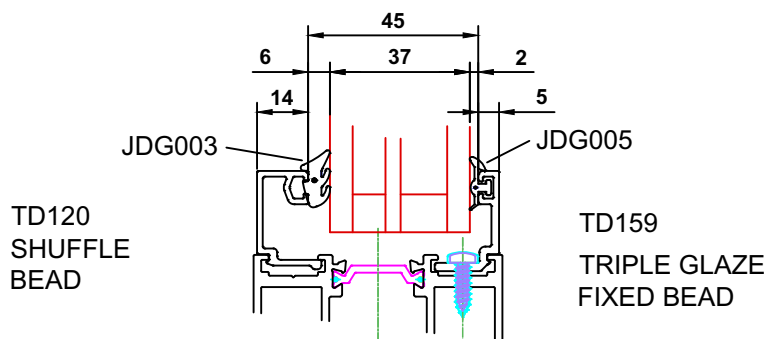


TD68 DOOR BEAD OPTIONS



TRIPLE GLAZE UNIT THICKNESS
OPTIONS COULD BE 42mm.

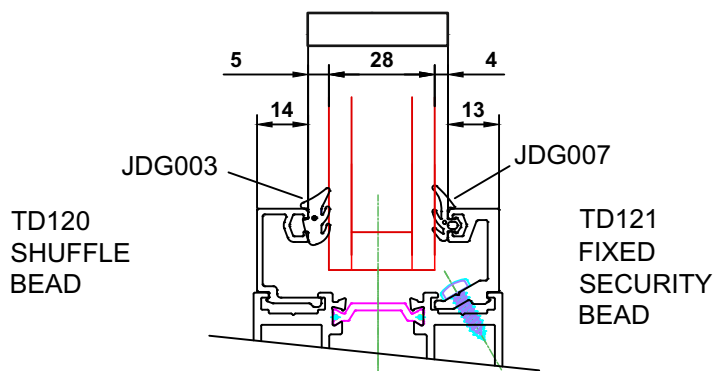
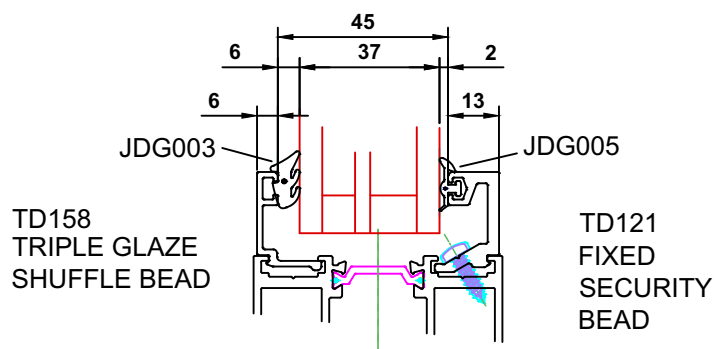
USE GASKET COMBINATION
JDG004 + JDG002



TRIPLE GLAZE UNIT THICKNESS
OPTIONS COULD BE 35 OR 36mm.

FOR 35mm USE GASKET
COMBINATION JDG003 + JDG002

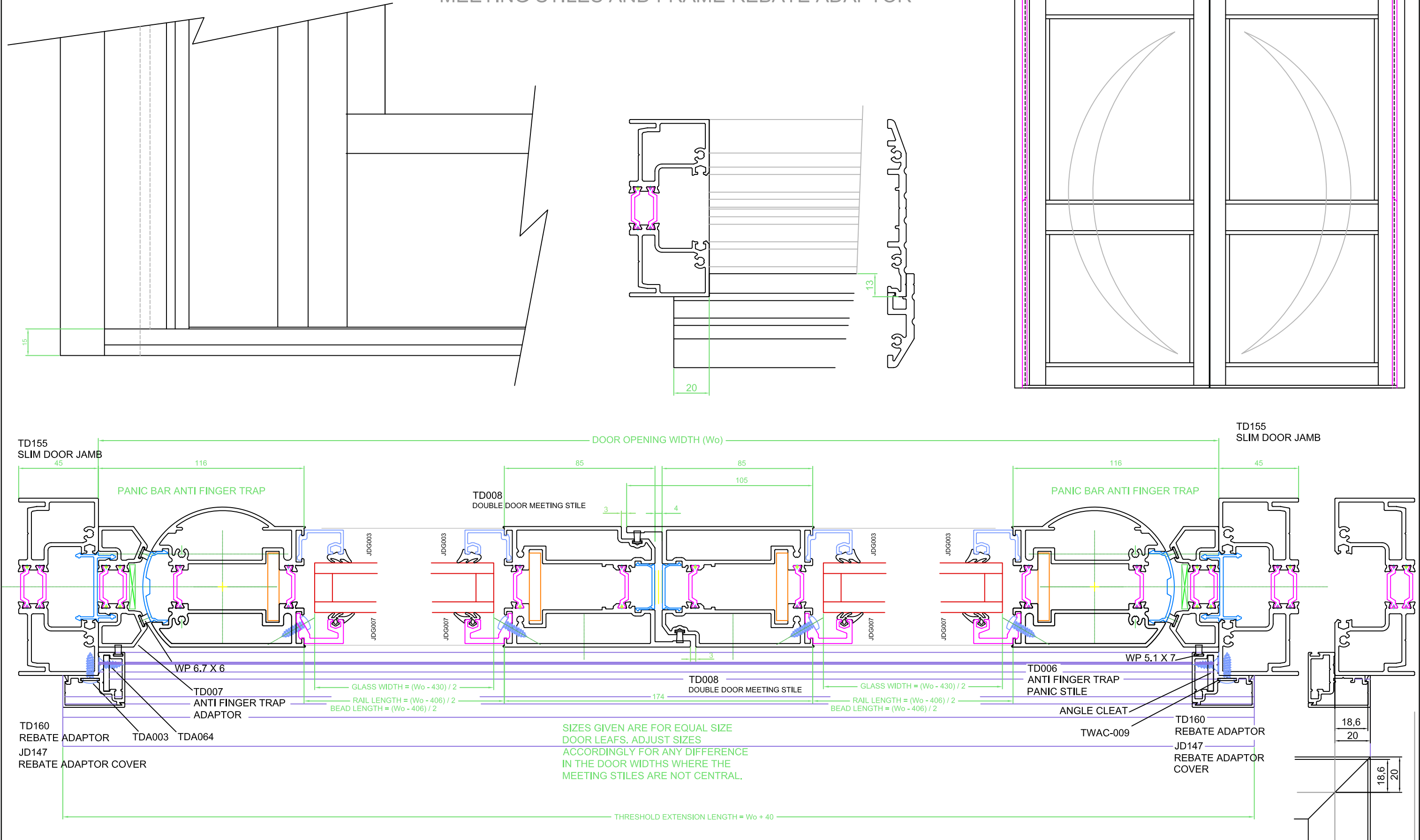
FOR 36mm USE GASKET
COMBINATION JDG003 + JDG007



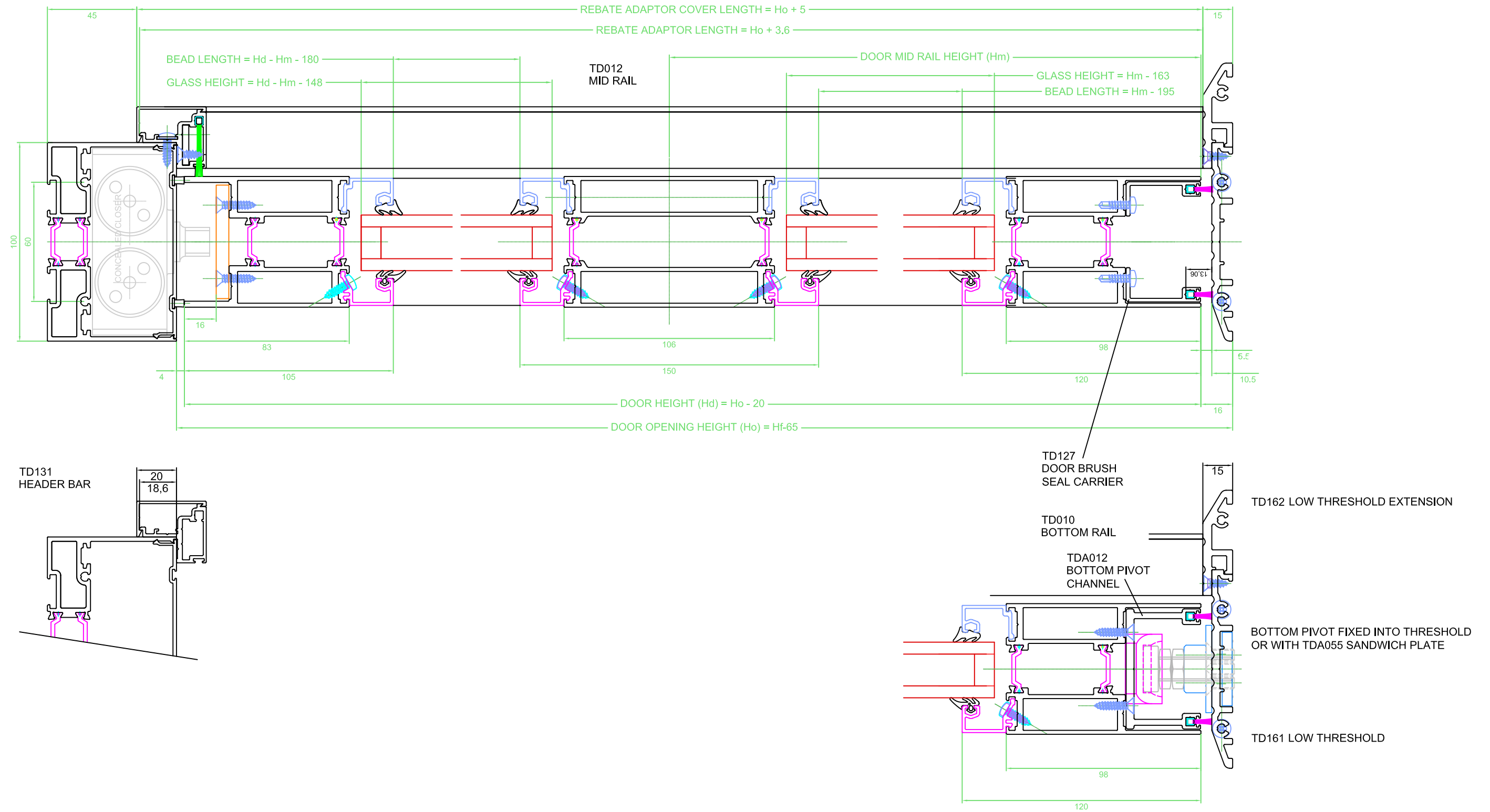
DOUBLE GLAZE UNIT THICKNESS
OPTION OF 24mm IS NOT REALLY
PRACTICAL.

IN ALL CASES THE BUILD UP OF TOLERANCES IN THE VARIOUS
COMPONENTS WILL DICTATE THE CHOICE OF WEDGE GASKET TO GIVE THE
OPTIMUM GLAZING PERFORMANCE. THOSE LISTED ABOVE ARE NOMINAL.

PANIC DOUBLE DOOR ARRANGEMENT WITH REBATED MEETING STILES AND FRAME REBATE ADAPTOR

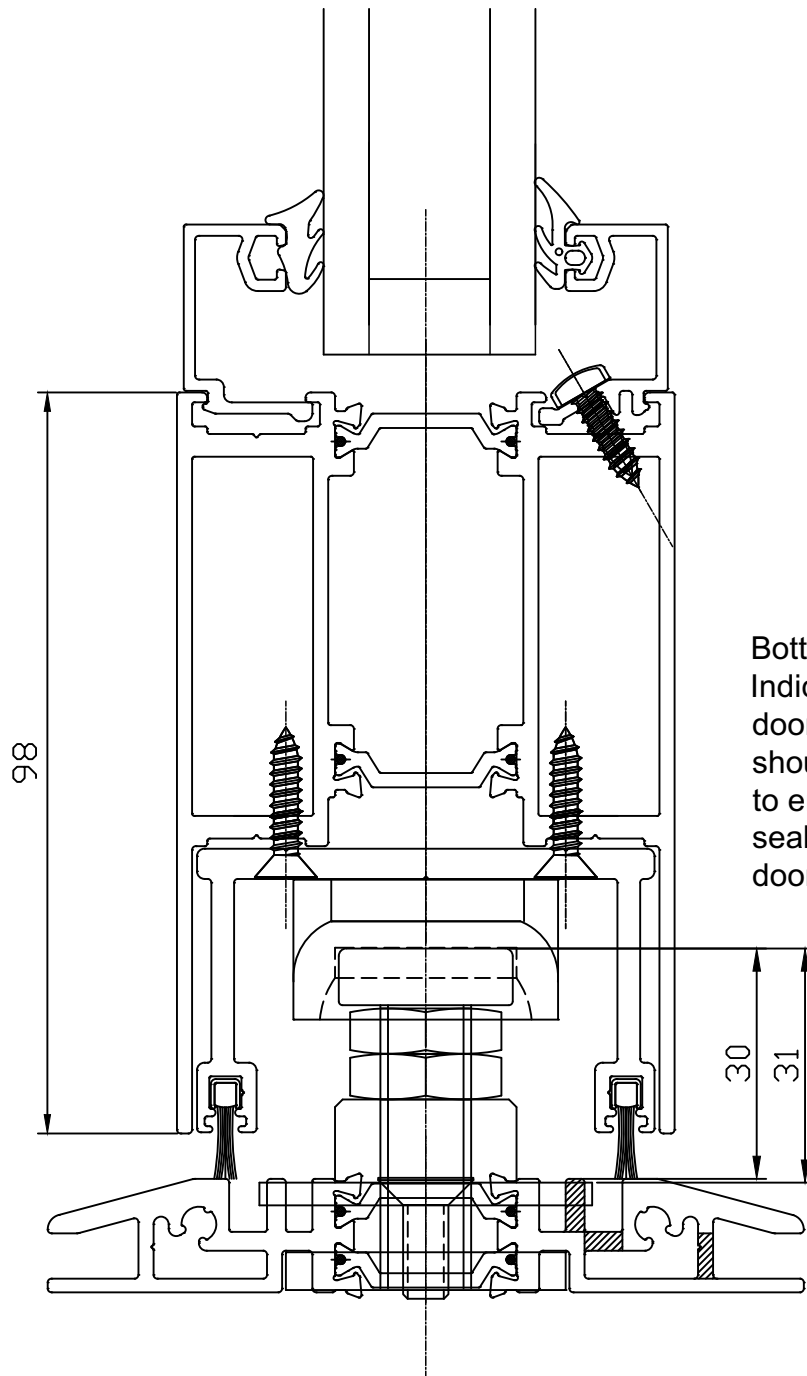


PANIC DOOR ARRANGEMENT WITH REBATE ADAPTOR



Fabrication

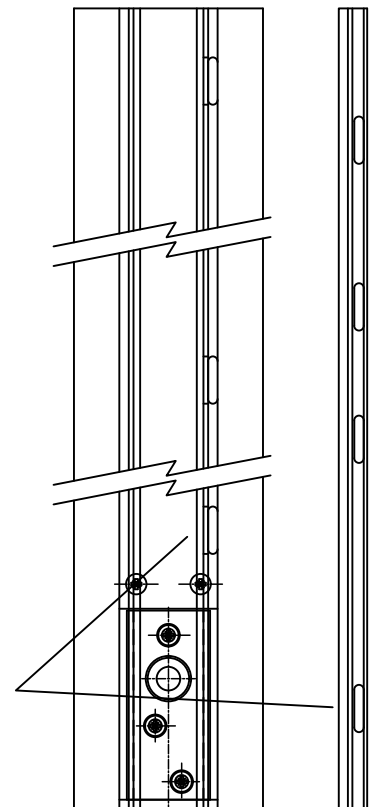
THRESHOLD DRAINAGE



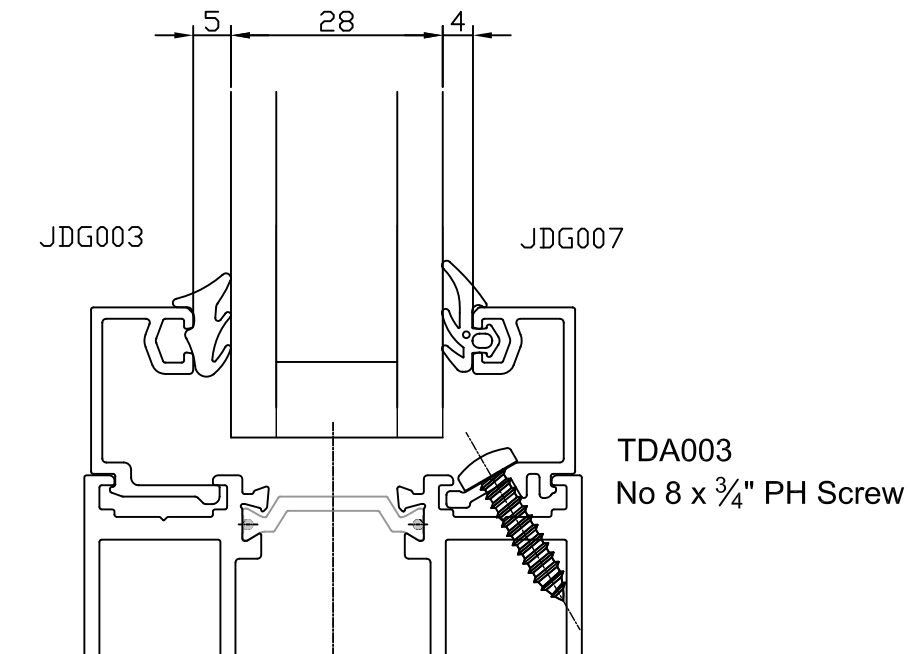
Bottom Pivot Height.
Indicative height for
door clearance
should be adjusted
to ensure correct
seal contact when
door installed.

THRESHOLD DRAINAGE.
Remove upstanding leg and
machine slots 25mm long.

STAGGER DRAIN SLOTS.

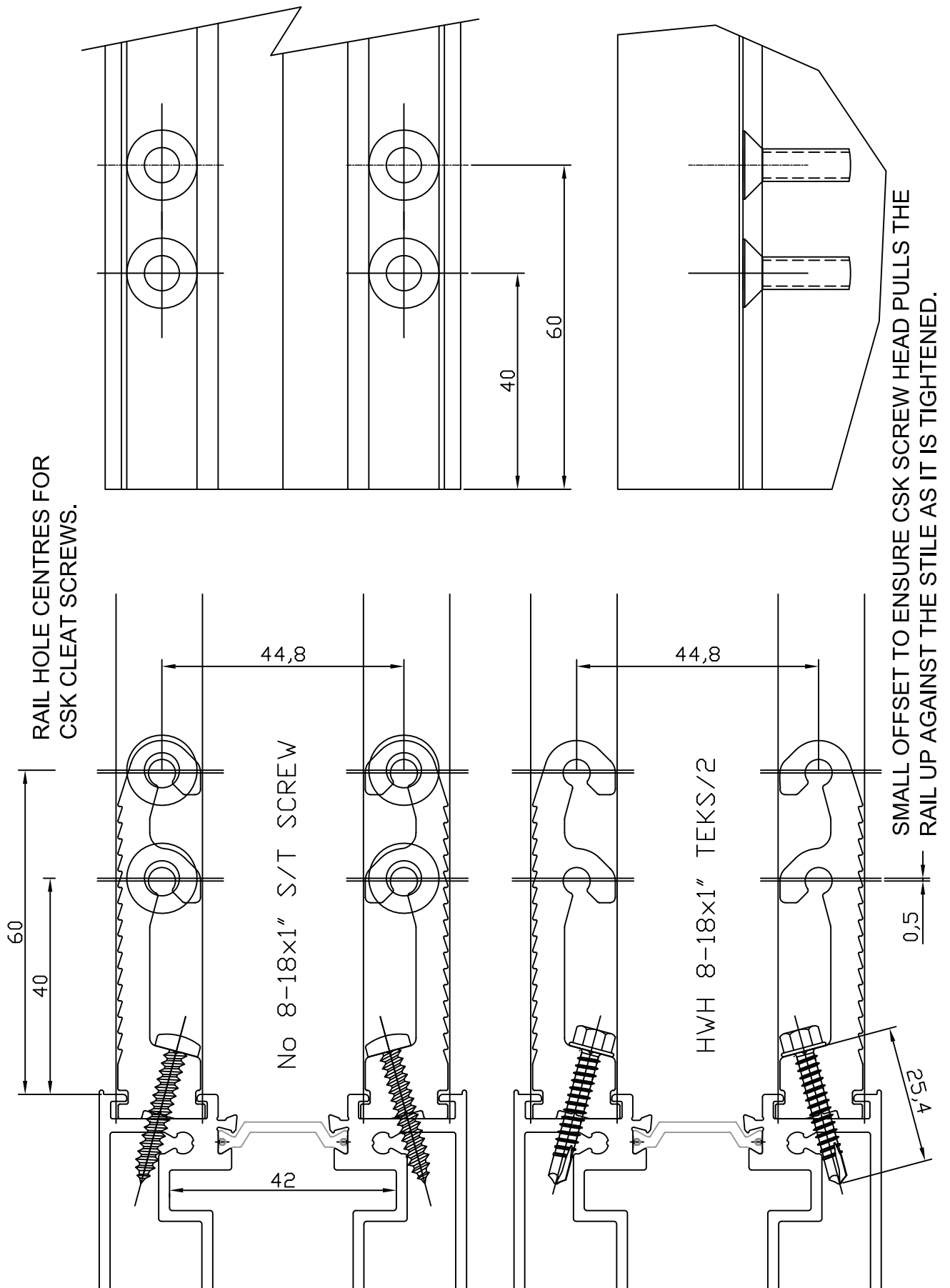


FIXED BEAD FIXING

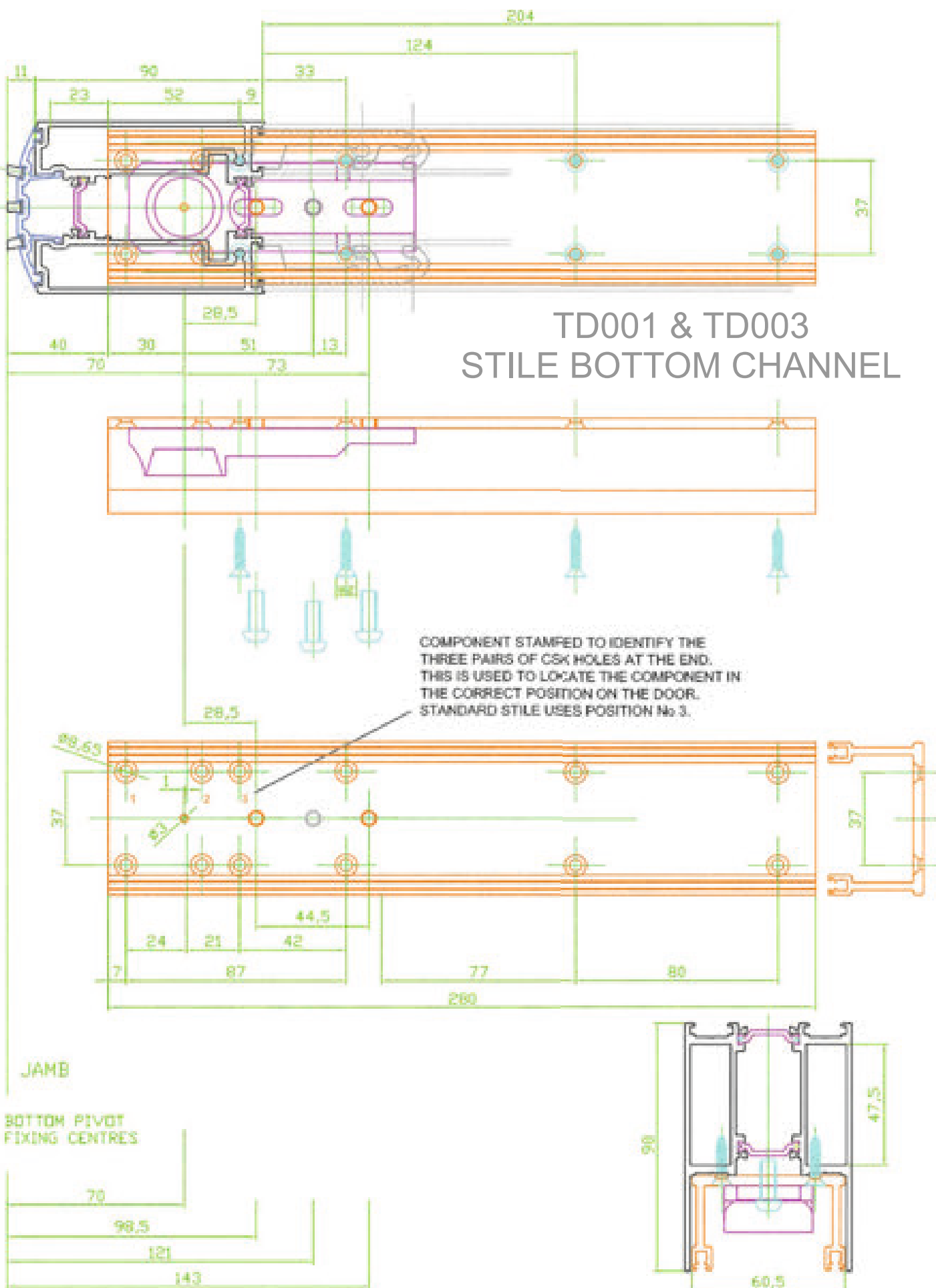


THE FIXED BEAD SCREWS SHOULD BE POSITIONED TO ENSURE FIRM AND SECURE ATTACHMENT OF THE FIXED BEAD TO THE FRAME, STILE OR RAIL PROFILES.
FOR NORMAL APPLICATIONS THIS WILL BE AT 30 mm FROM EACH END OF THE BEAD WITH INTERMEDIATE SCREWS AT 200 mm CENTRES.
FOR HIGHER SECURITY APPLICATIONS THE INTERMEDIATE SCREW CENTRES SHOULD BE REDUCED TO NO MORE THAN 150 mm.

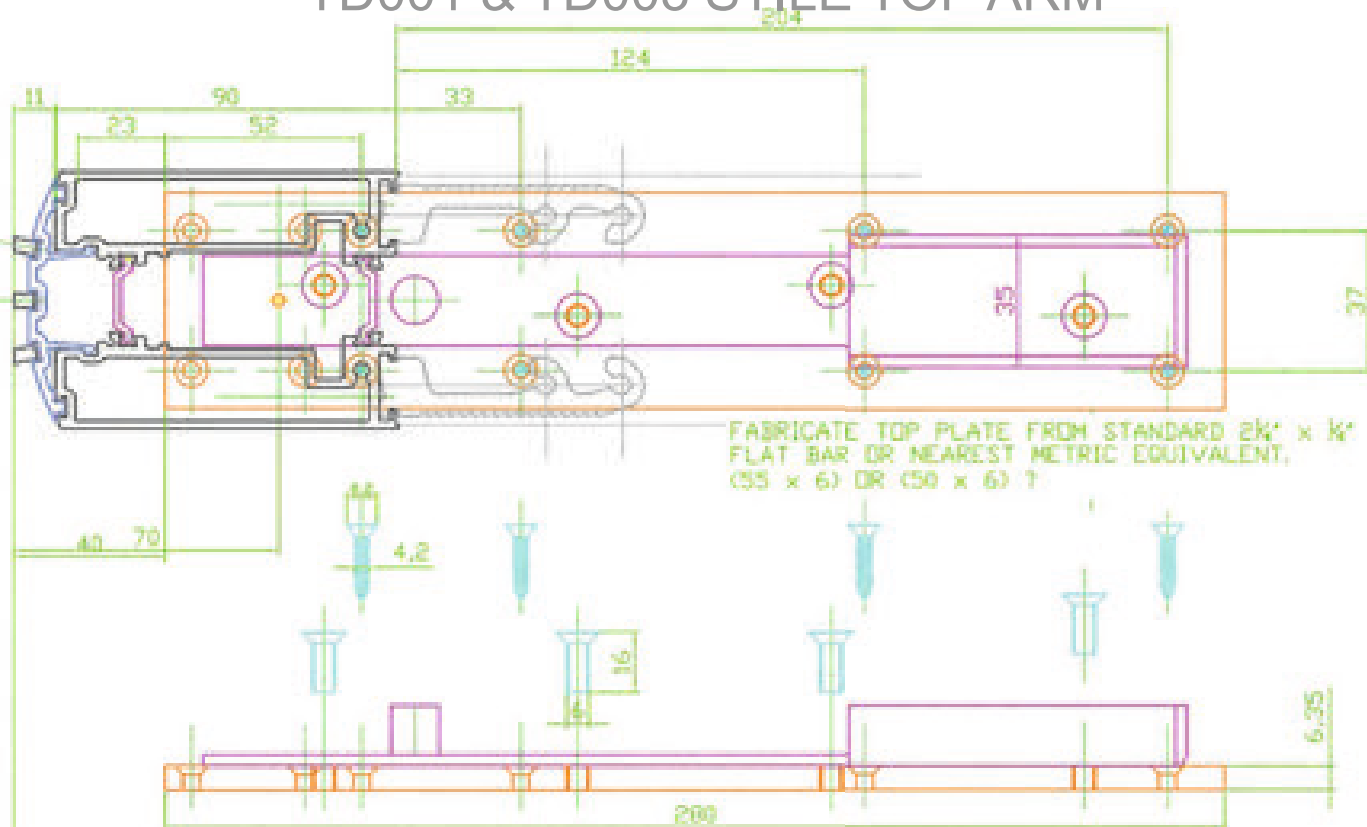
DOOR RAIL SPIGOT FIXING CENTRES



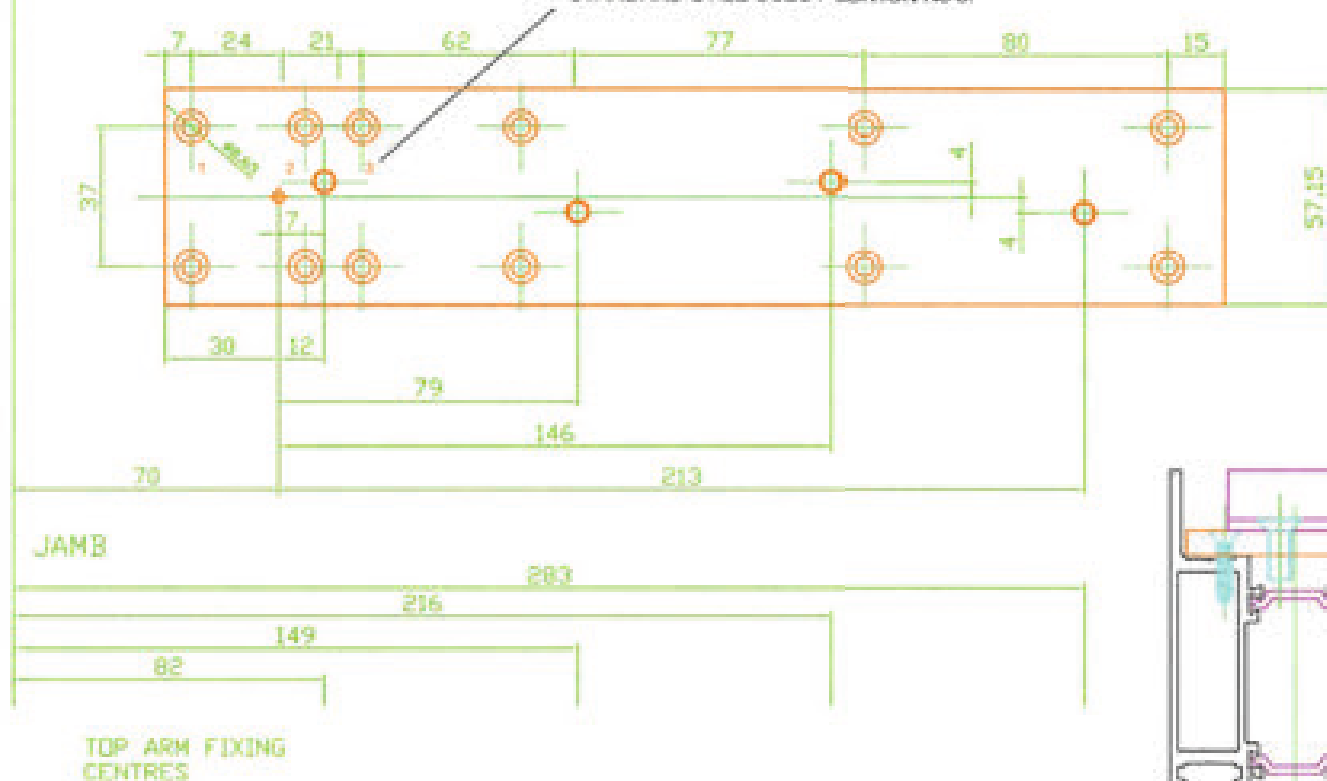
TD001 & TD003 STILE BOTTOM CHANNEL

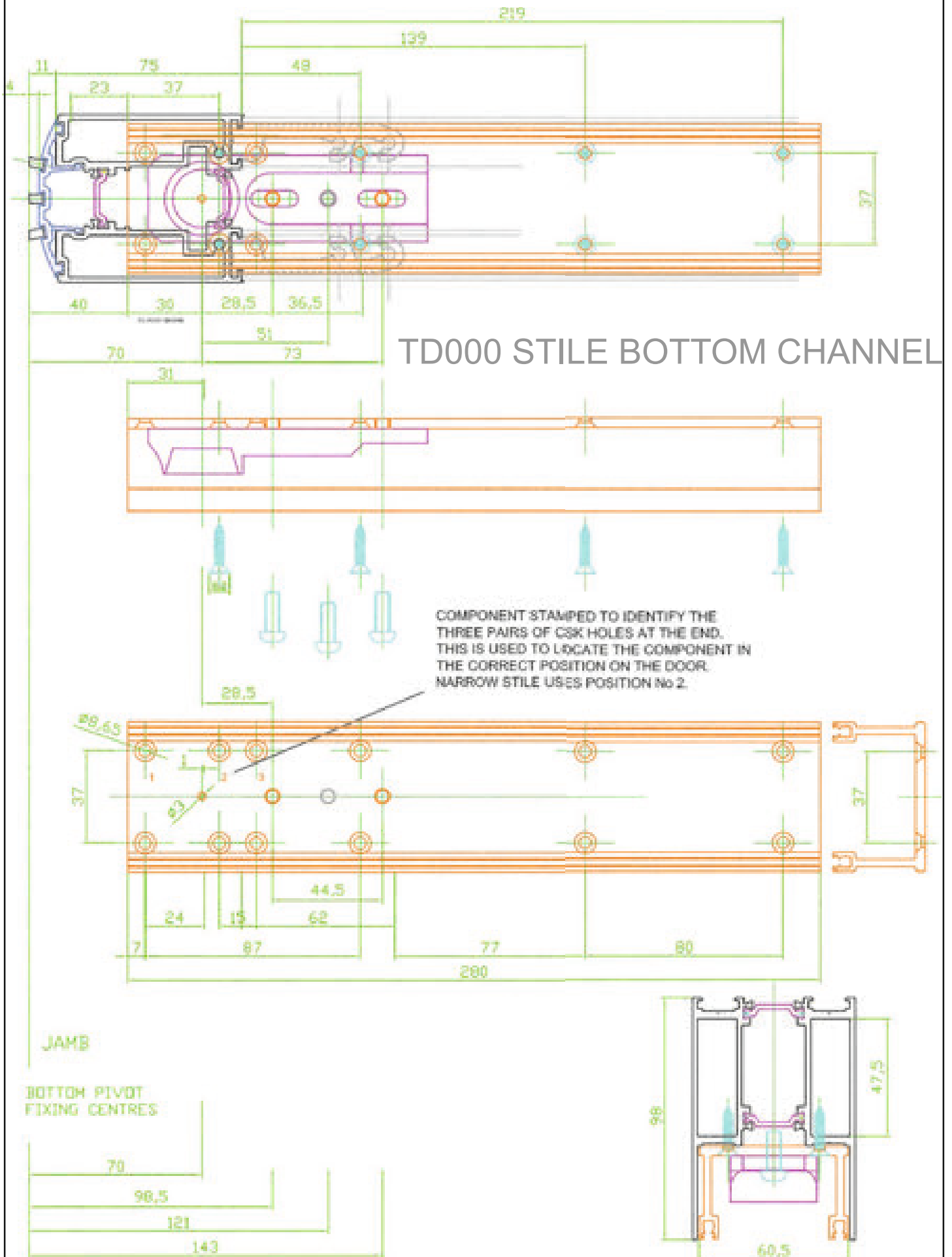


TD001 & TD003 STILE TOP ARM

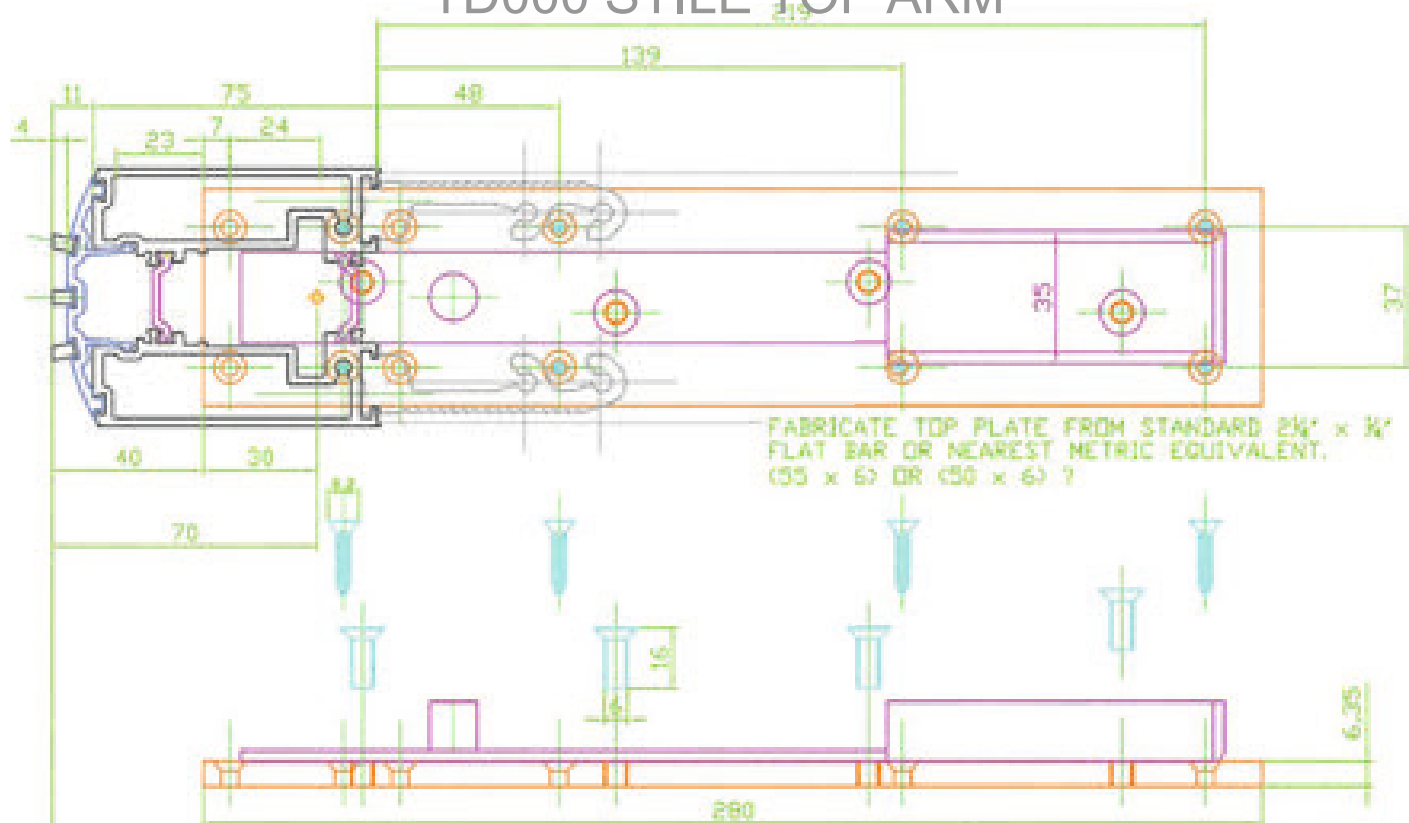


COMPONENT STAMPED TO IDENTIFY THE THREE PAIRS OF CSK HOLES AT THE END. THIS IS USED TO LOCATE THE COMPONENT IN THE CORRECT POSITION ON THE DOOR. STANDARD STILE USES POSITION No 3.

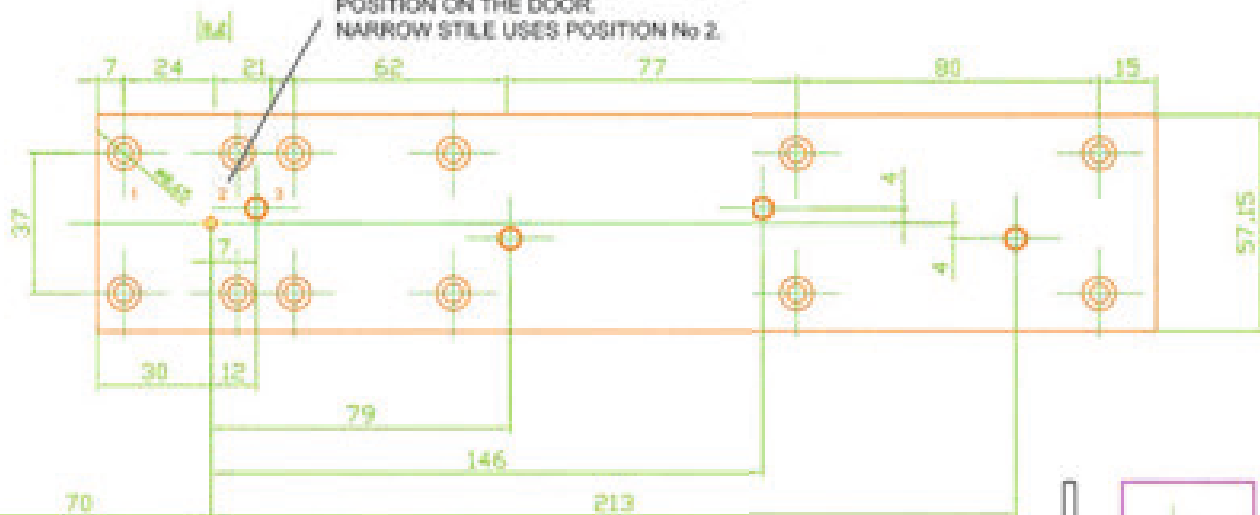




TD000 STILE TOP ARM

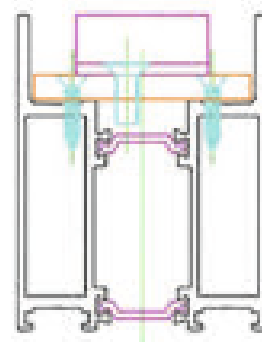


COMPONENT STAMPED TO IDENTIFY THE THREE PAIRS OF CSK HOLES AT THE END. THIS IS USED TO LOCATE THE COMPONENT IN THE CORRECT POSITION ON THE DOOR. NARROW STILE USES POSITION No 2.

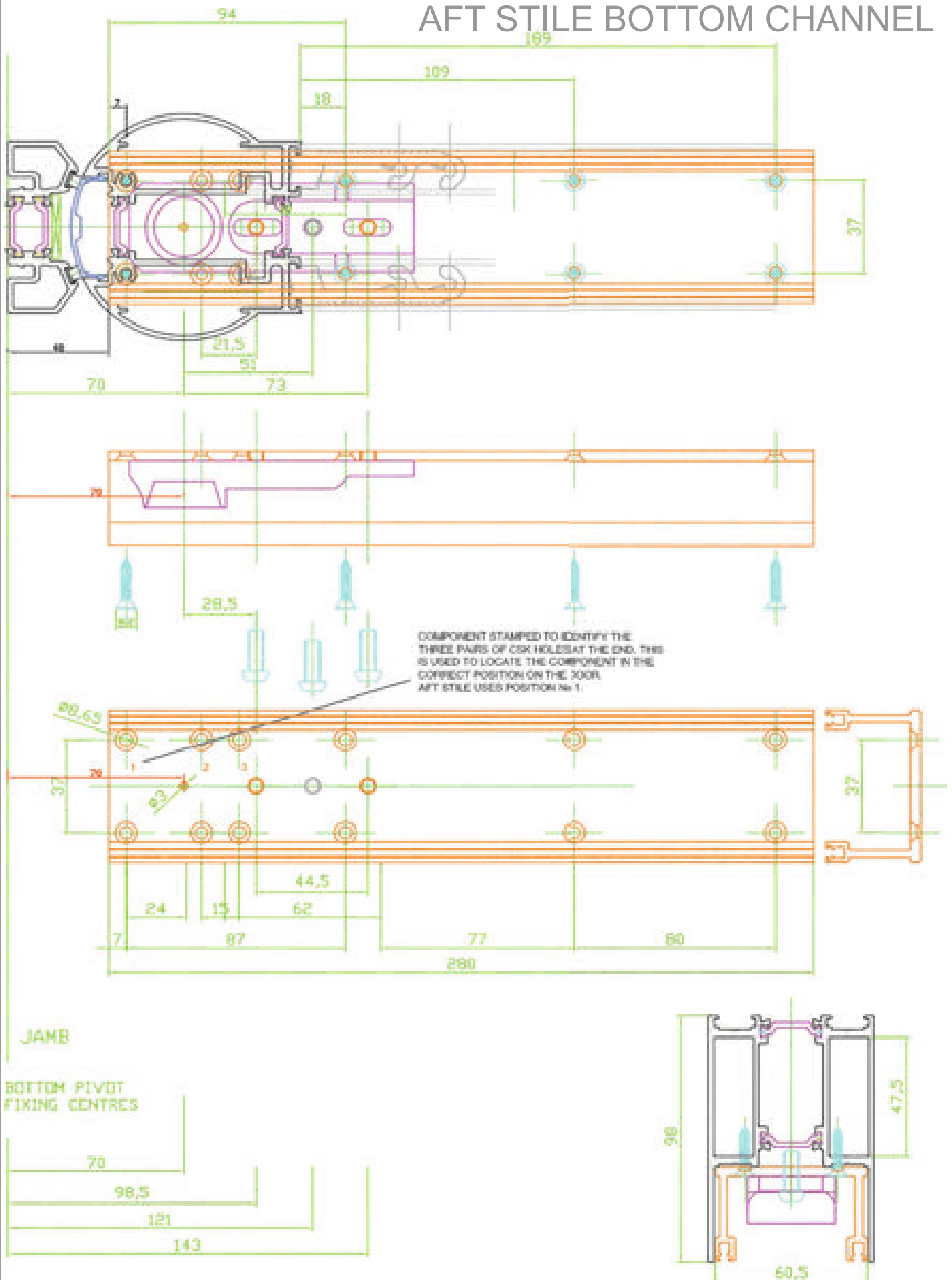


JAMB

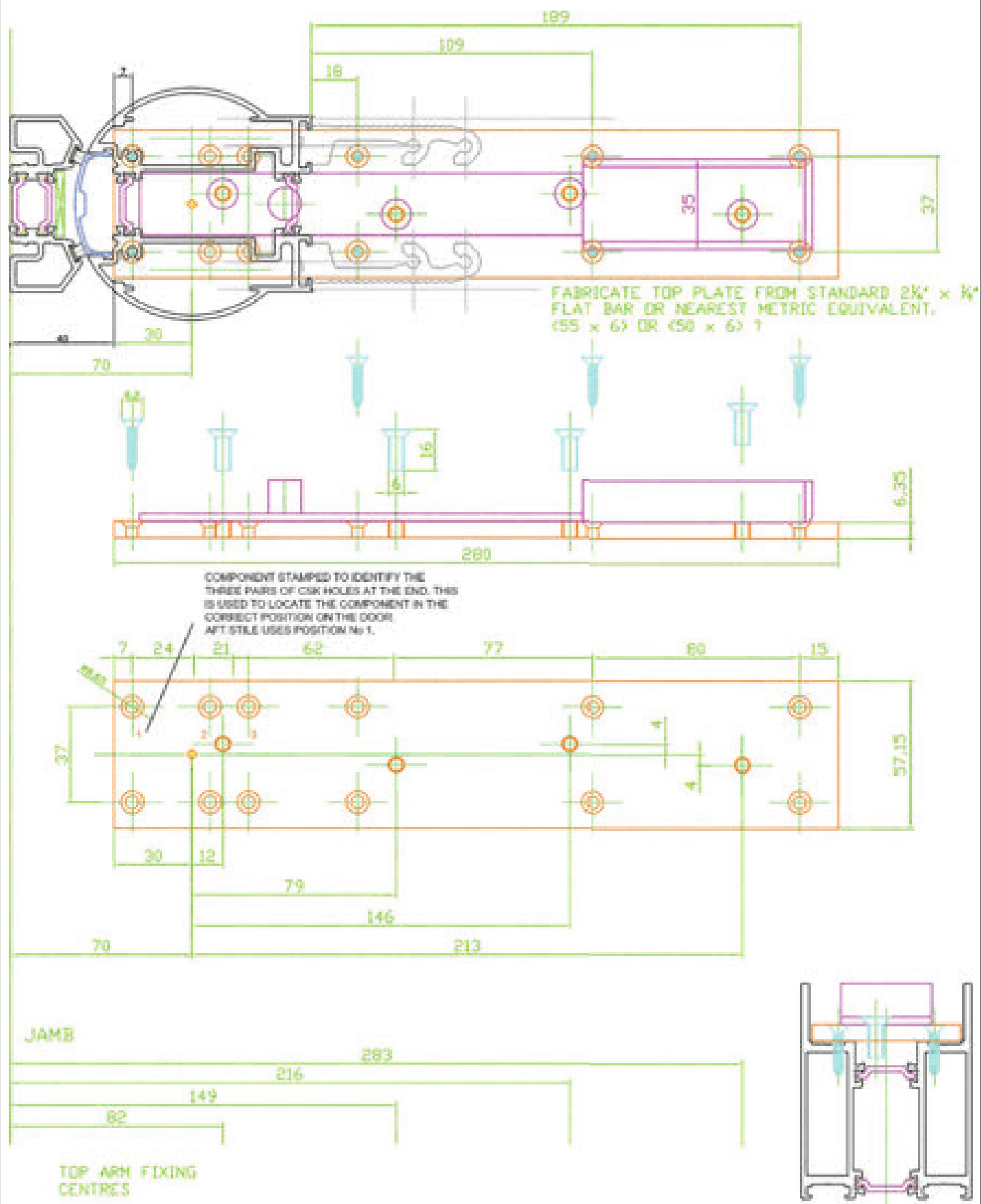
TOP ARM FIXING CENTRES



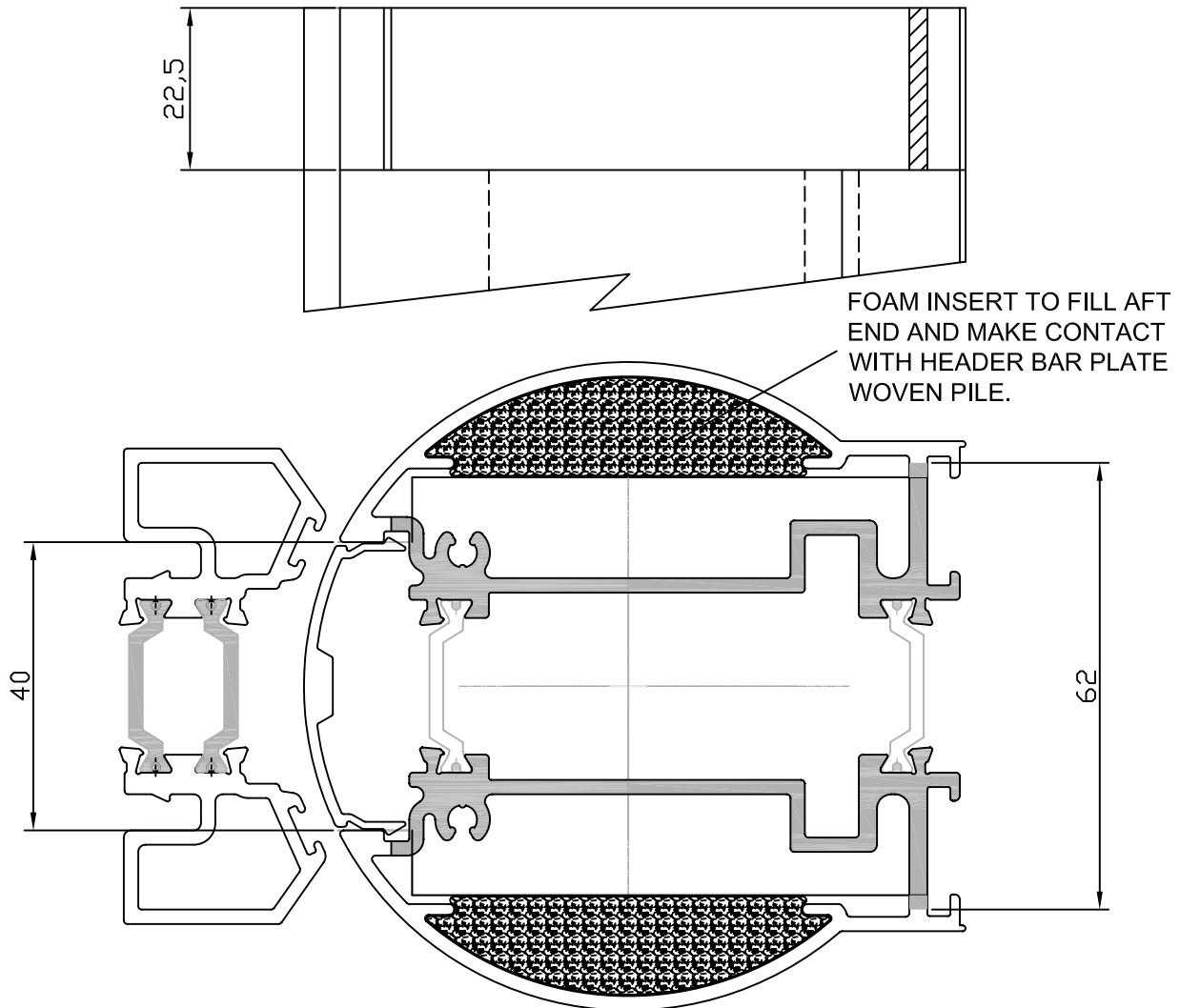
AFT STILE BOTTOM CHANNEL



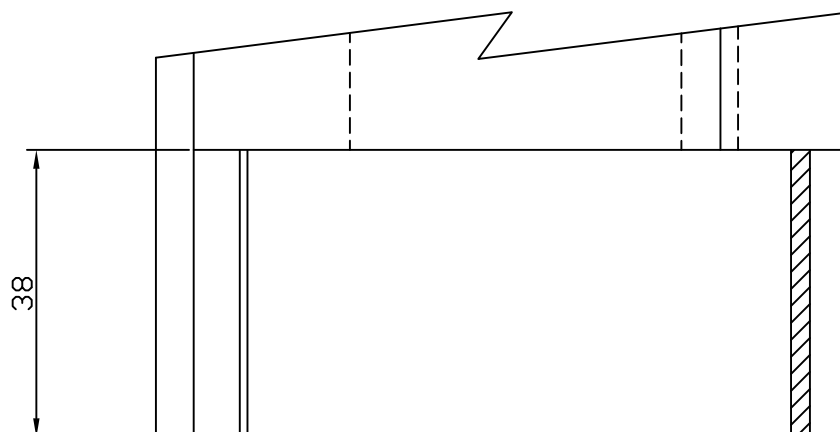
AFT STILE TOP ARM



AFT STILE END PREPS AND FOAM INSERTS

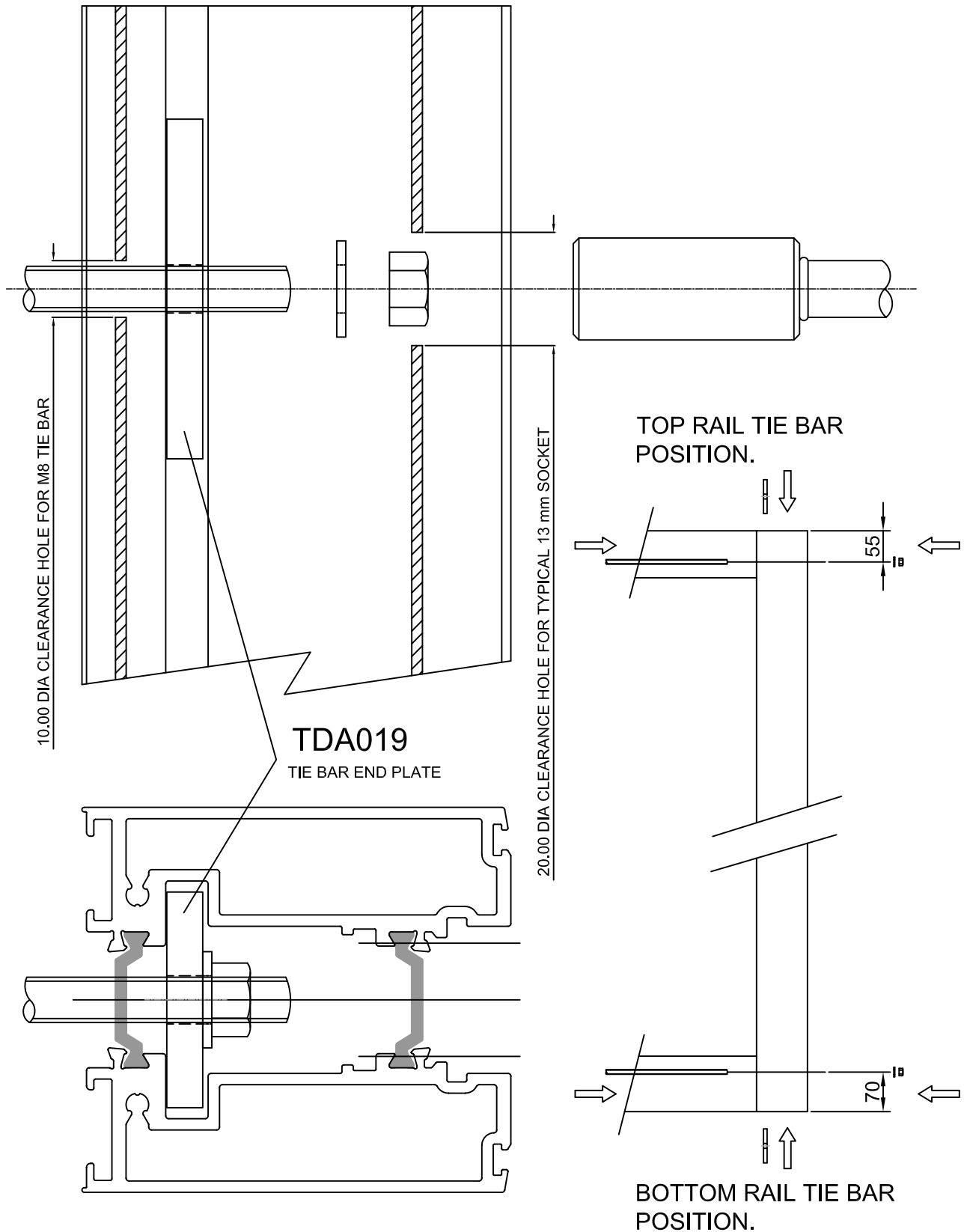


SHADED AREA SHOWS METAL TO BE REMOVED FOR END LOAD TOP ARM AND MOUNTING PLATE (22.5 mm DEEP) AND BOTTOM PIVOT CHANNEL (38 mm DEEP).



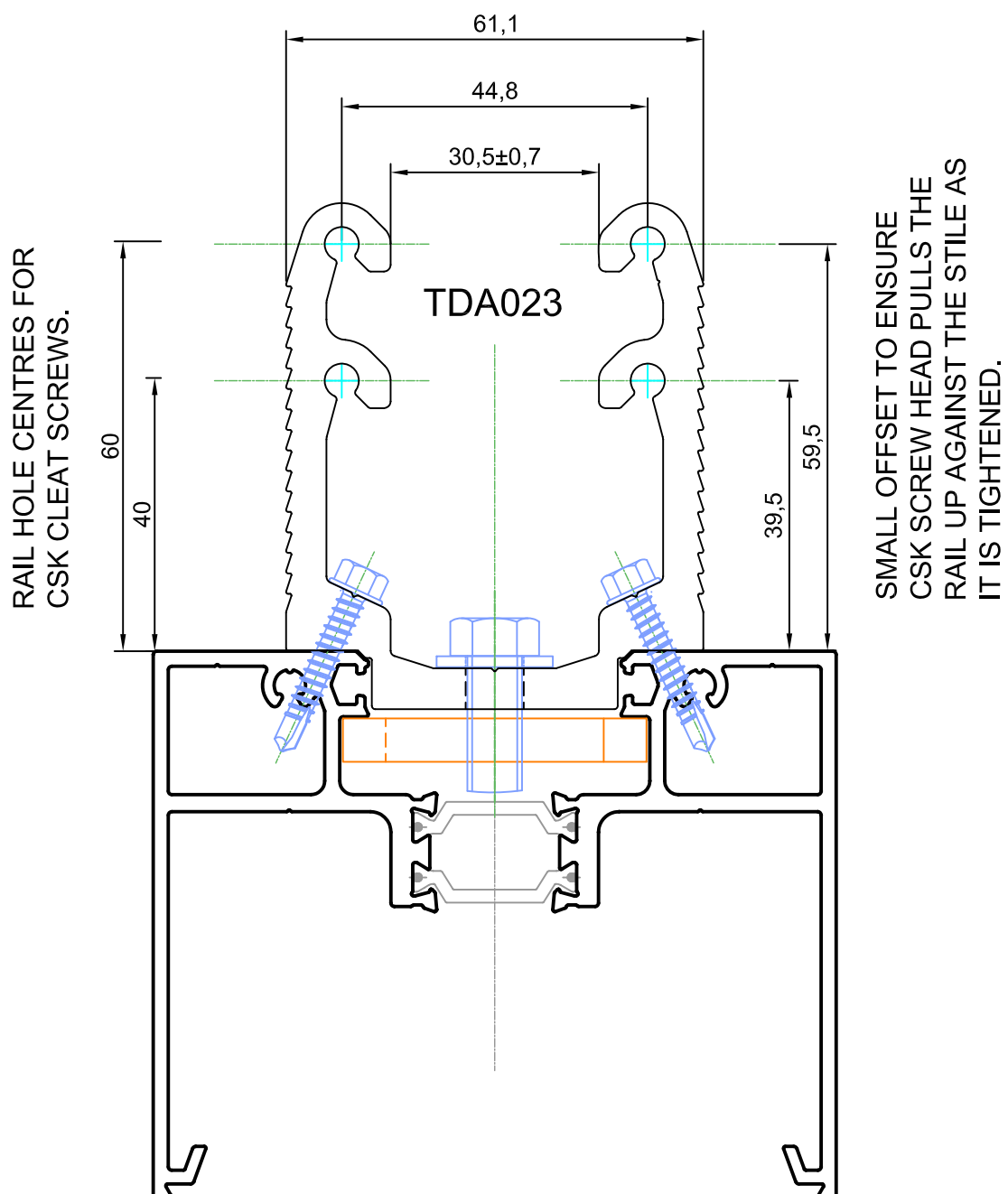
TIE BAR PREPERATION

TIE BAR CLEARANCE HOLE FOR STILE PROFILES

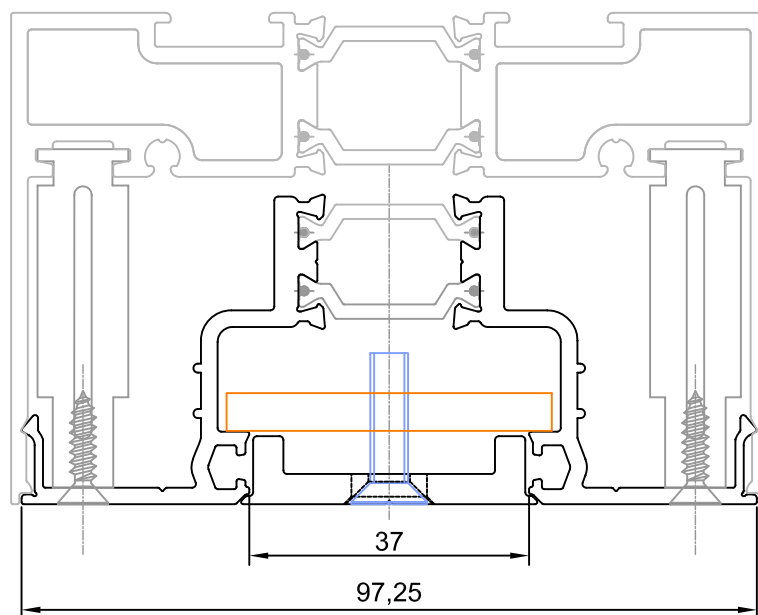


SIDELIGHT TRANSOM SPIGOT

M8 CLAMP BOLT AND PLATE WILL POSITION AND SECURE THE TRANSOM CLEAT TDA023. FURTHER FIXING CAN BE MADE WITH SELF TAPPING SCREWS FOR EXTRA STRENGTH IF REQUIRED.



TDA033 OF TDA052 HEADER BAR POCKET PLATE FLUSHBOLT KEEP

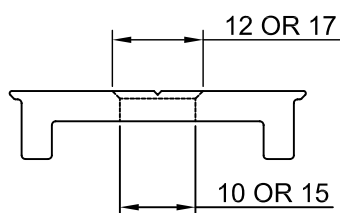


TD130 + TDA033

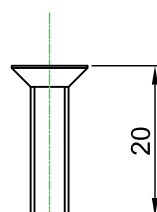
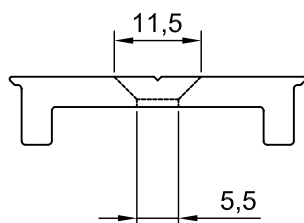
HEADER BAR POCKET PLATE WITH FAPIM FLUSHBOLT KEEP

TD130 + TDA052

HEADER BAR POCKET PLATE WITH ASSA ABLOY FLUSHBOLT
KEEP



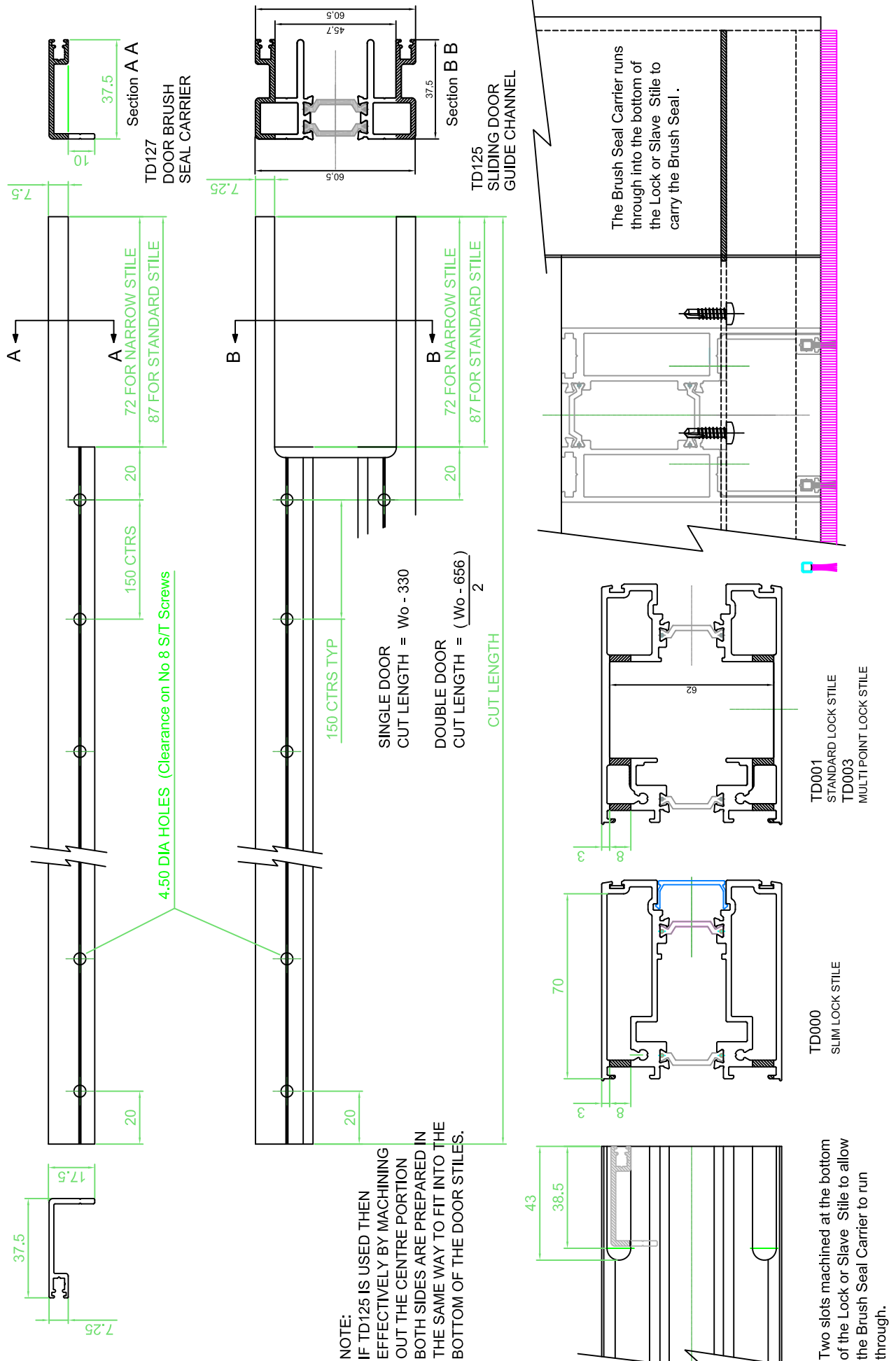
FLUSHBOLT LOCATION
HOLE



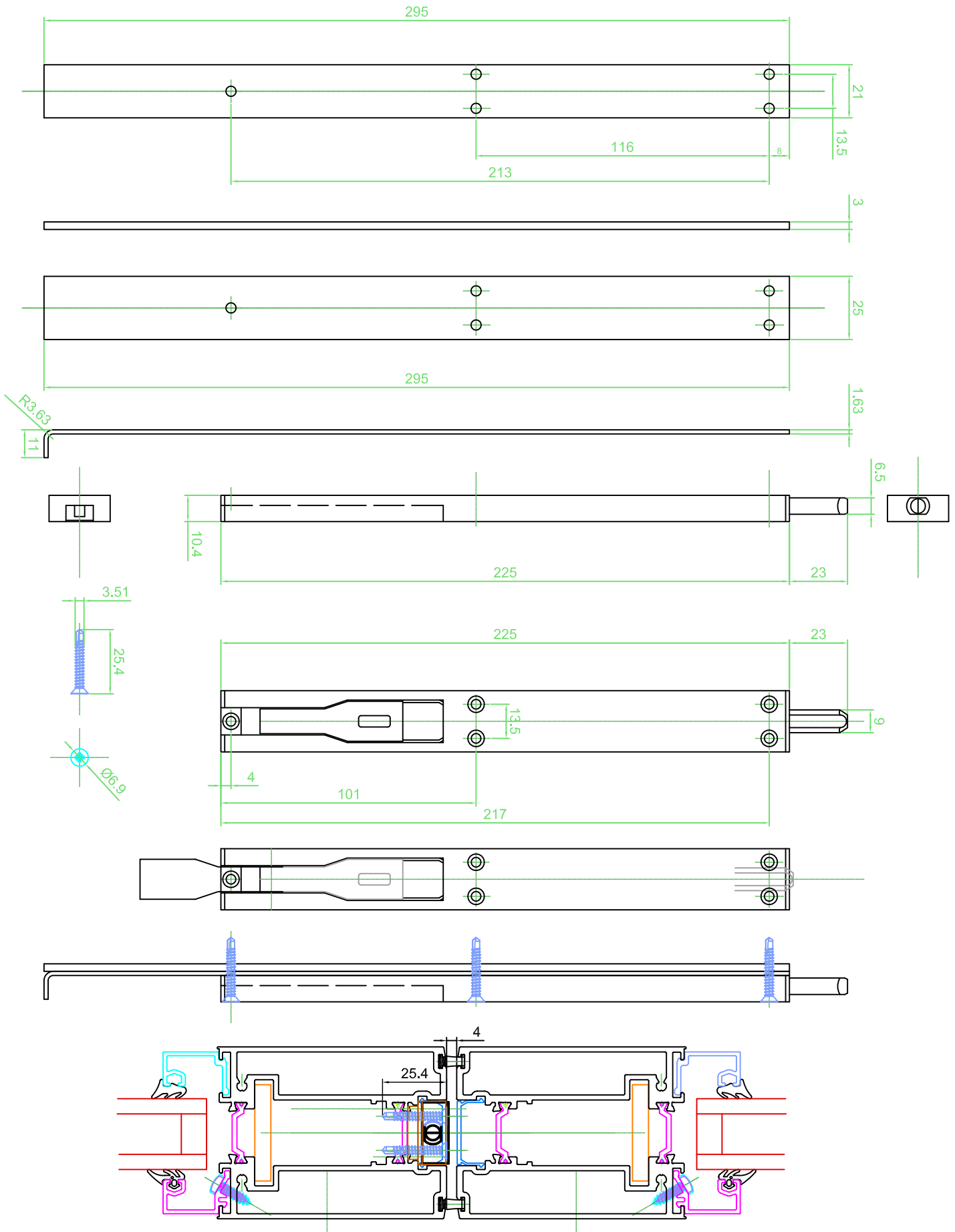
COUNTERSINK TO SUIT
M5 x 20 CSK SCREWS

TDA033 OR TDA052
FLUSH BOLT KEEP

BRUSH SEAL CARRIER PREPARATION

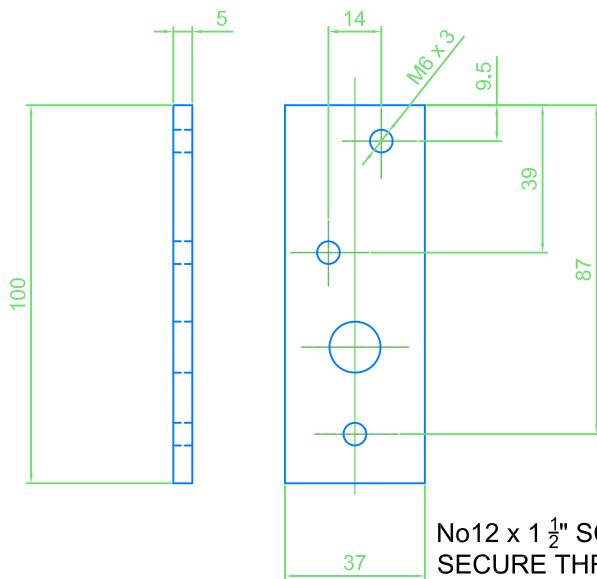
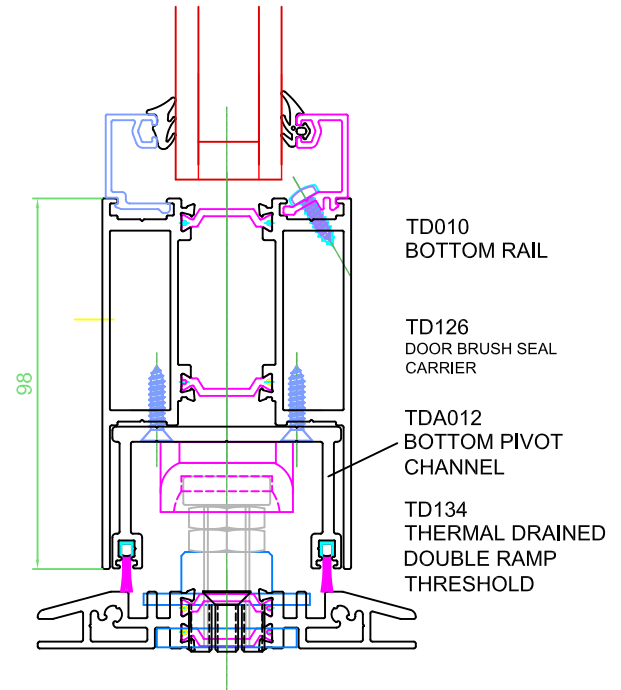
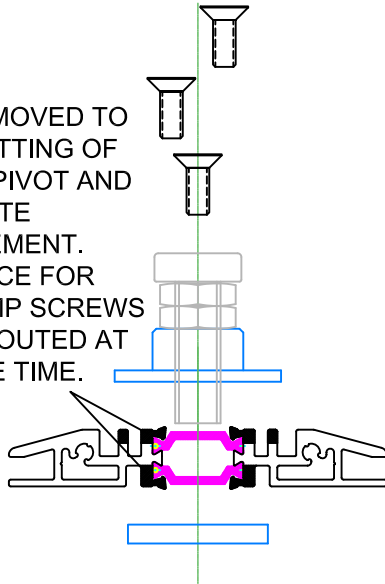


FAPIM FLUSHBOLT



HEAVY DUTY BOTTOM PIVOT

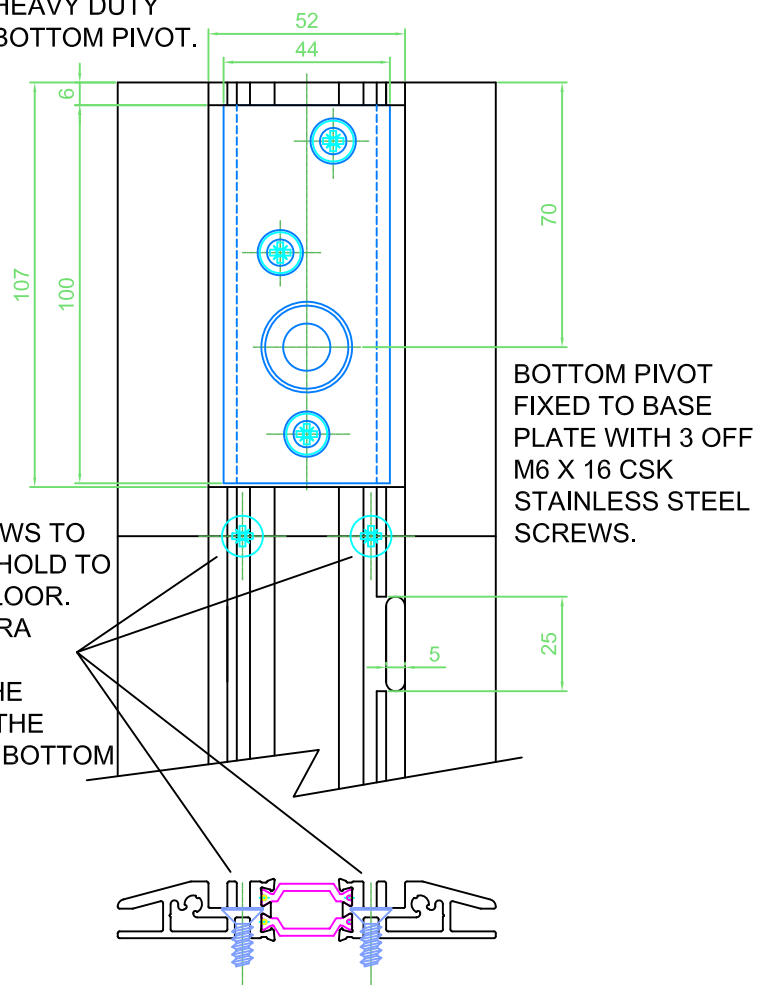
AREA REMOVED TO ALLOW FITTING OF BOTTOM PIVOT AND BASE PLATE ARRANGEMENT. CLEARANCE FOR THE CLAMP SCREWS CAN BE ROUTED AT THE SAME TIME.



STAINLESS STEEL BASE PLATE FOR THE HEAVY DUTY BOTTOM PIVOT.

No12 x 1 1/2" SCREWS TO SECURE THRESHOLD TO THE GROUND/FLOOR. THIS GIVES EXTRA STRENGTH AND STABILITY TO THE THRESHOLD IN THE REGION OF THE BOTTOM PIVOT.

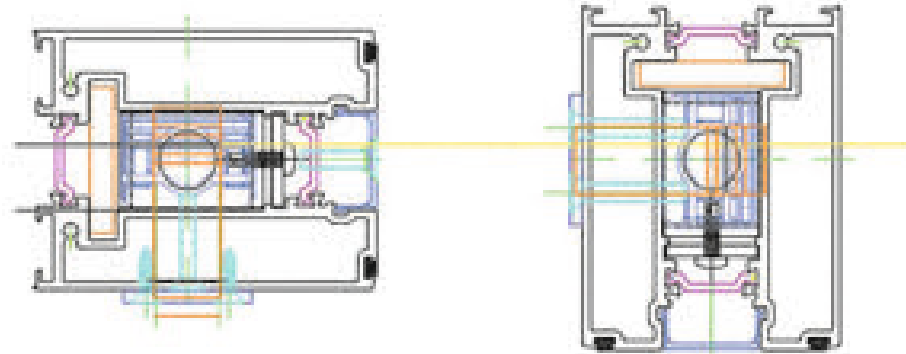
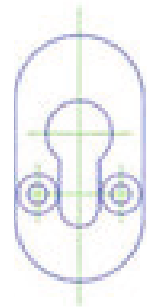
HEAVY DUTY
BOTTOM PIVOT.



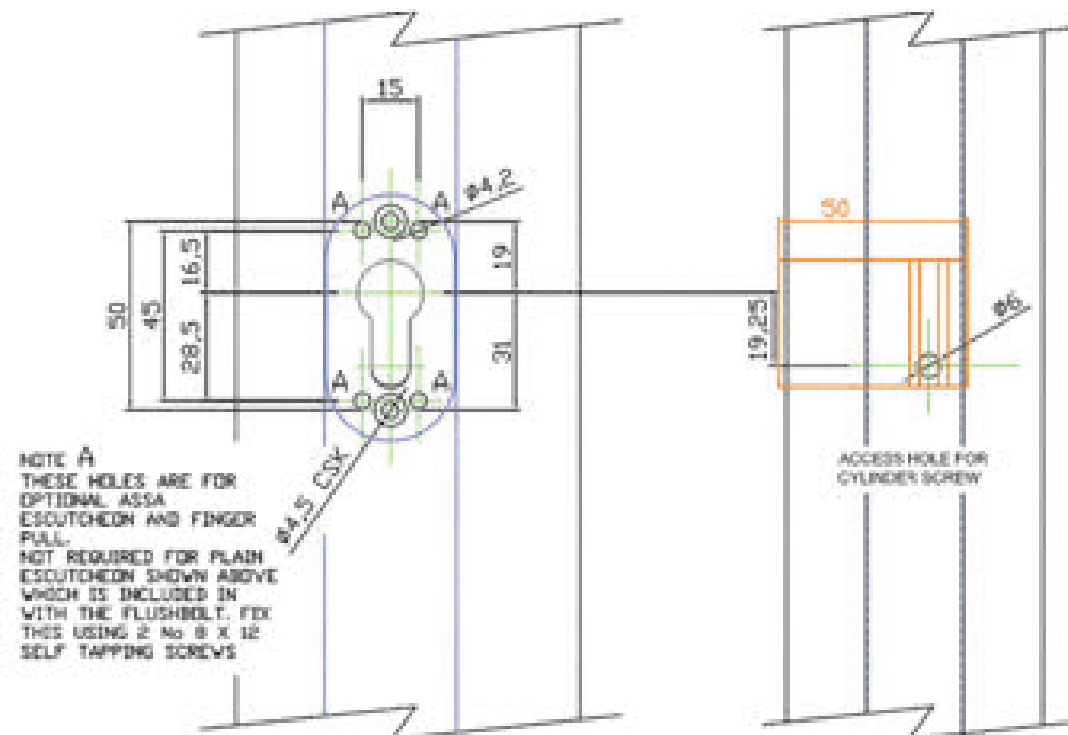
CONCEALED FLUSHBOLT DOUBLE DOOR

TDA057

ASSA ABLOY CONCEALED
FLUSHBOLT ASSEMBLY

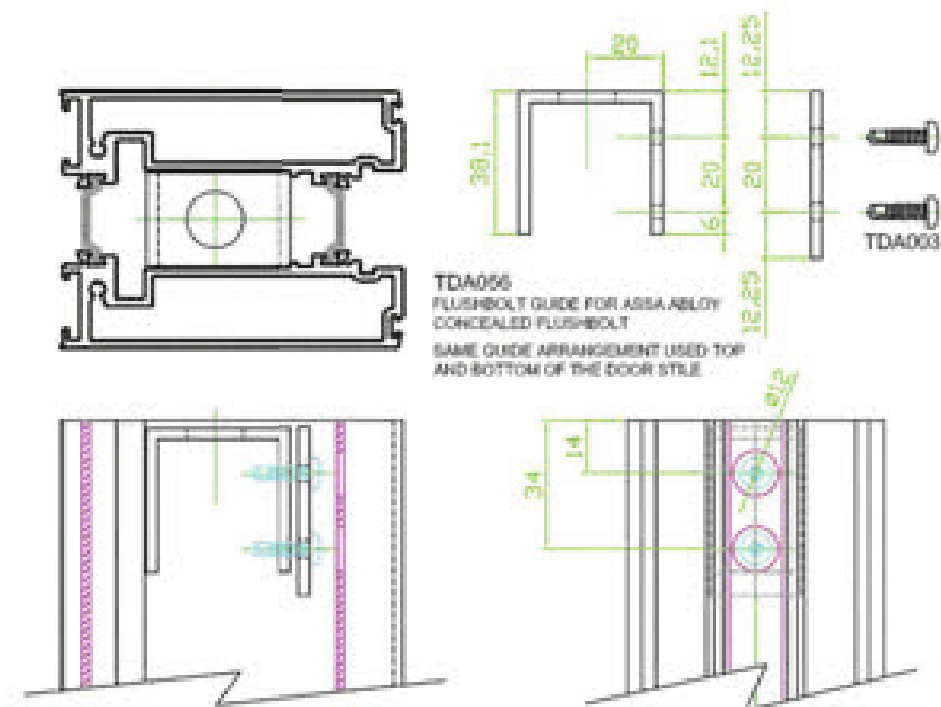
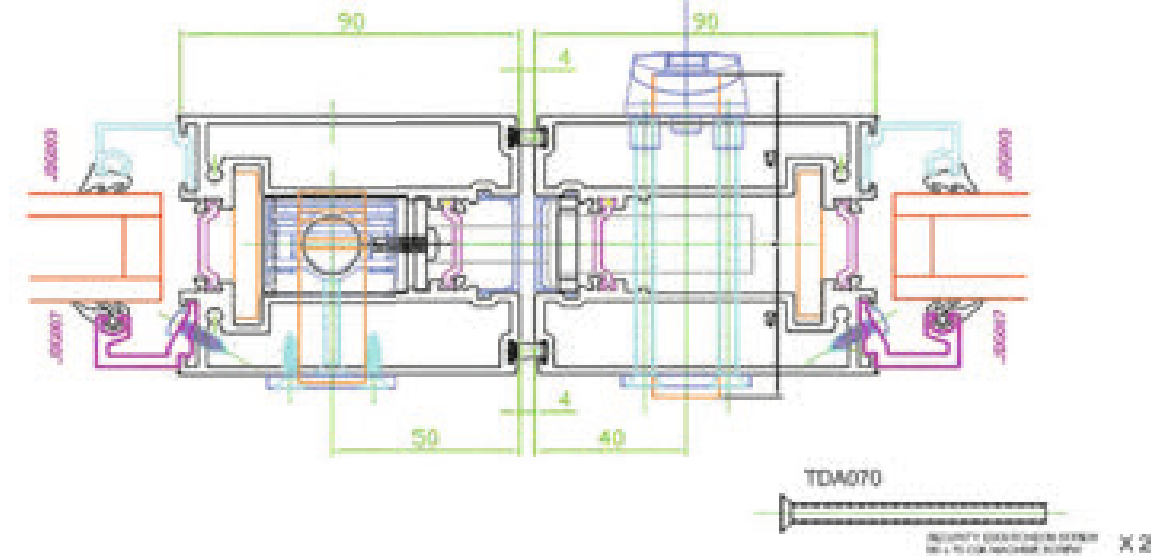


- TDA004 — CONCEALED FLUSHBOLT ASSEMBLY (with 1/2" CON. SELF TAPPING SCREW) X 2
TDA005 — CONCEALED FLUSHBOLT PIN (with CON. SCREW) X 2



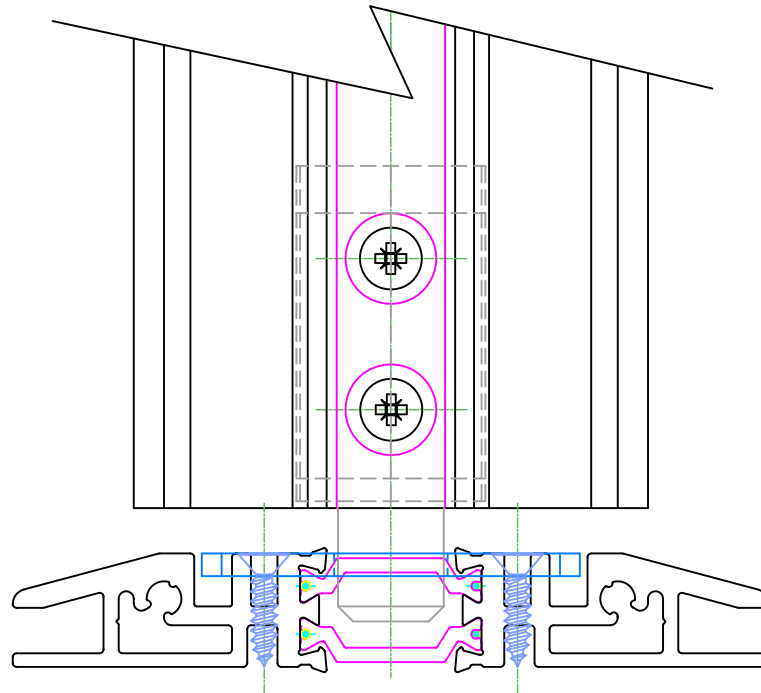
TDA030

AH2627 SECURITY ESCUTCHEON



21-02-13

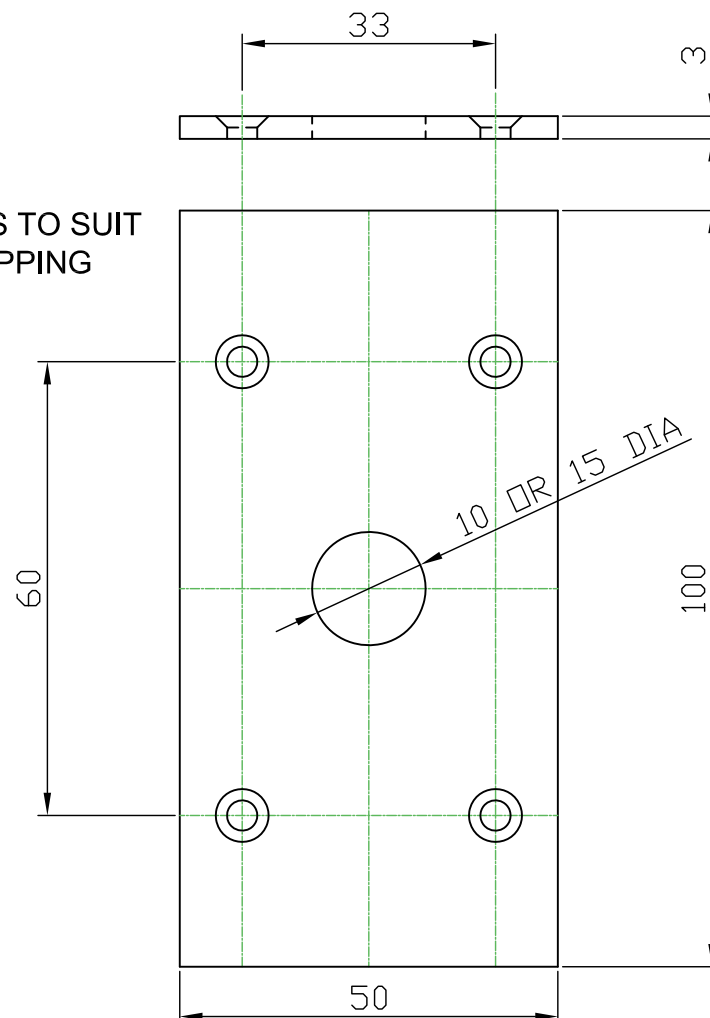
TDA051 OR TDA054 THRESHOLD FLUSHBOLT KEEP



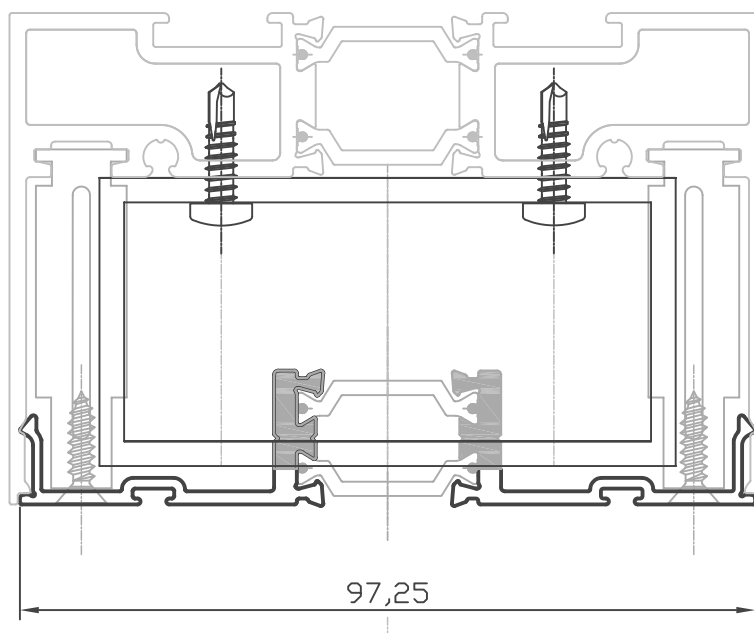
TDA051 THRESHOLD KEEP PLATE FOR FAPIM FLUSH BOLT

TDA054 THRESHOLD KEEP PLATE FOR ASSA ABLOY CONCEALED FLUSH BOLT

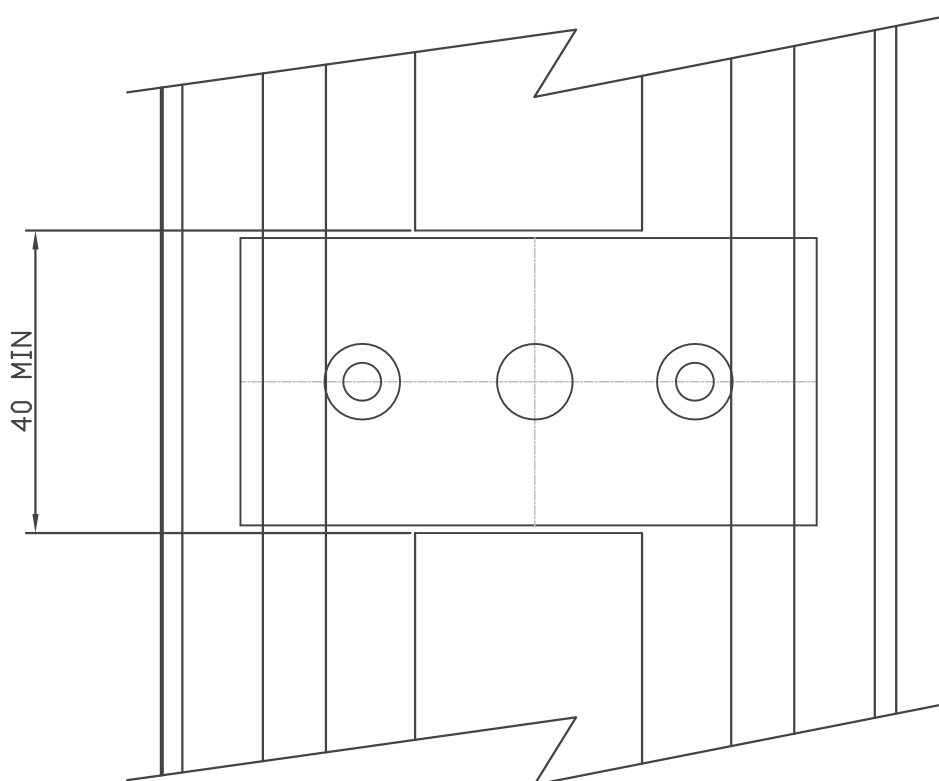
4 CSK HOLES TO SUIT
No6 SELF TAPPING
SCREWS



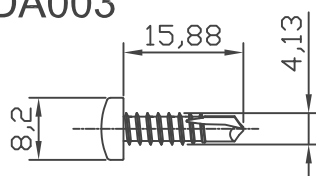
TDA050 OR TDA053 HEADER BAR FLUSHBOLT KEEP



TDA050 or TDA053
HEADER BAR PLATE WITH FLUSH BOLT KEEP



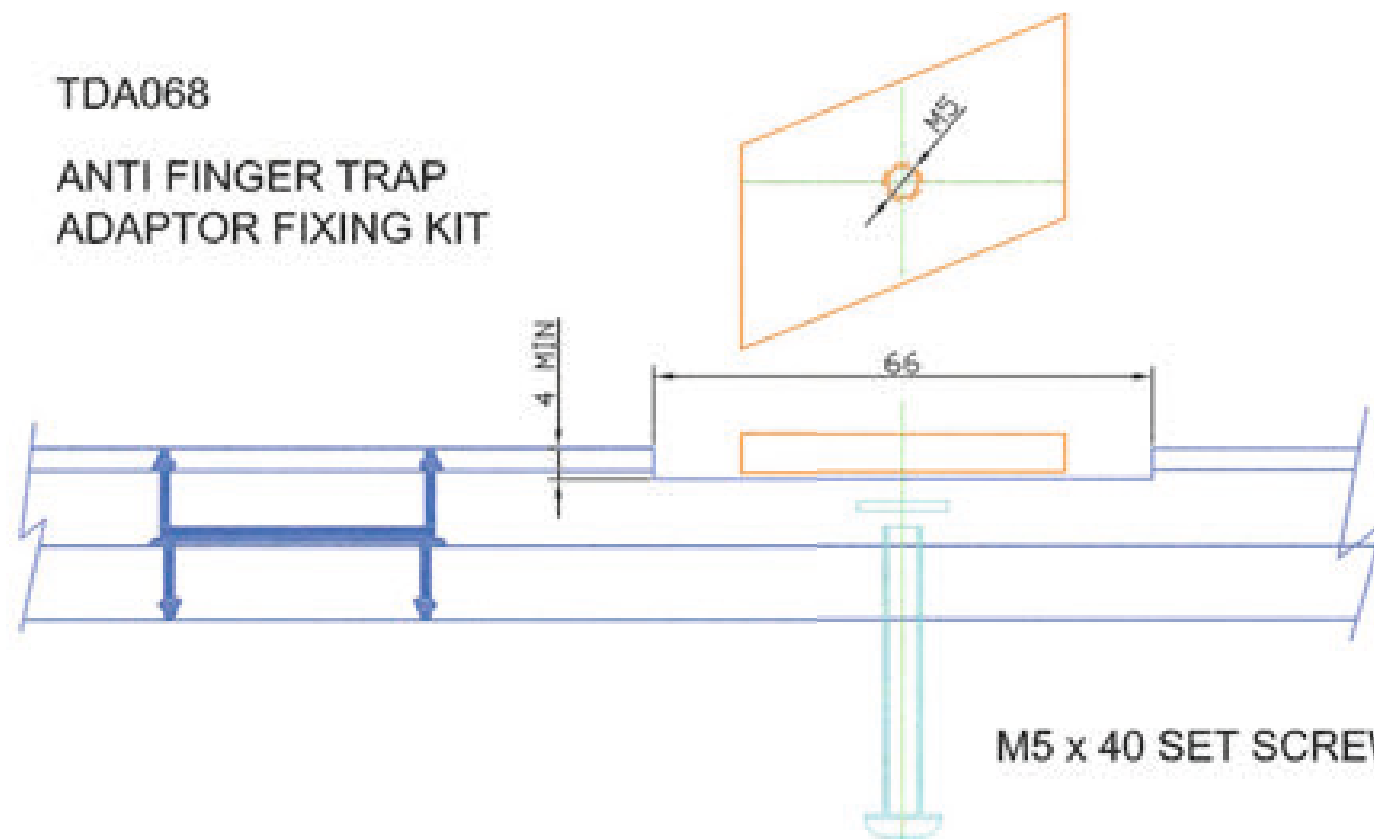
TDA003



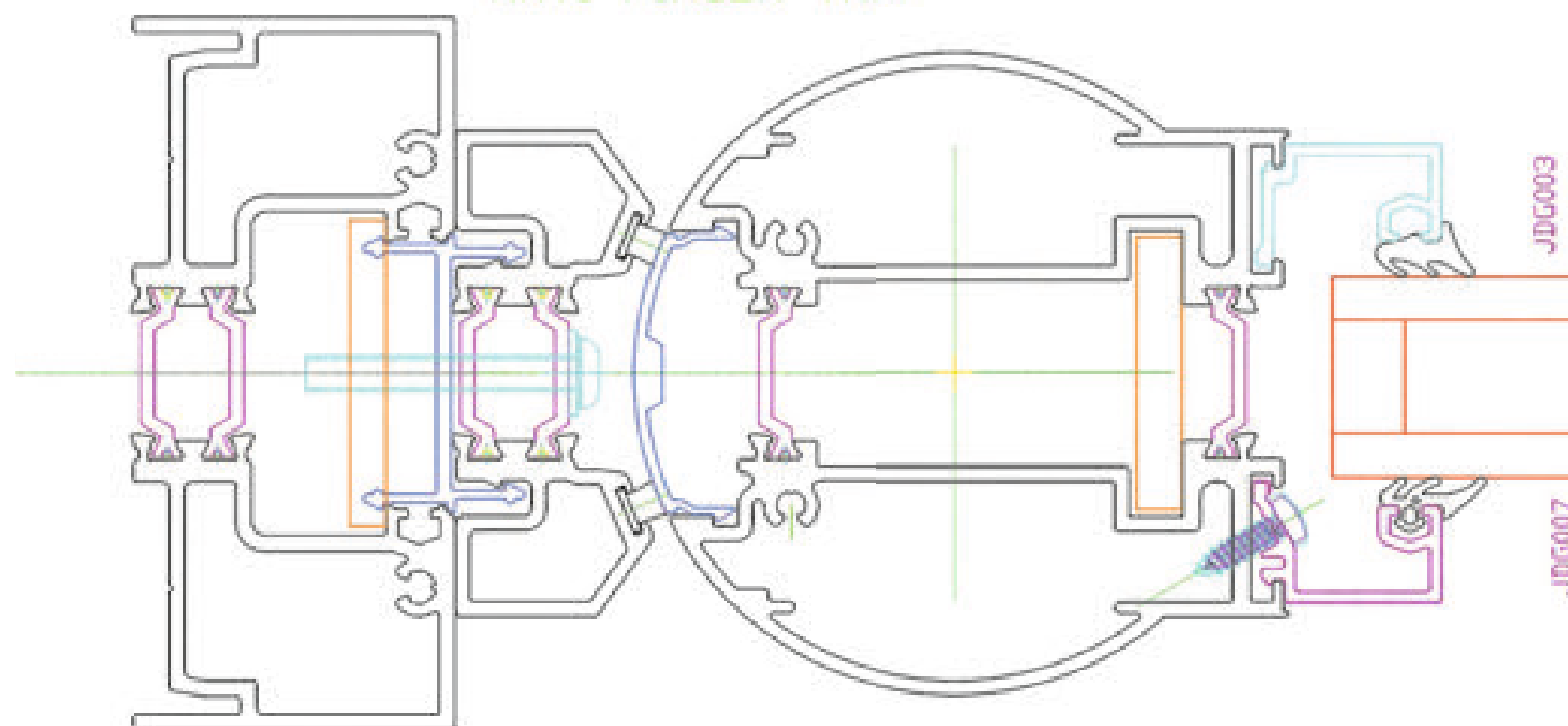
HEADER BAR PLATE
MACHINED TO CLEAR FLUSH
BOLT KEEP

TDA068

ANTI FINGER TRAP
ADAPTOR FIXING KIT



ANTI FINGER TRAP



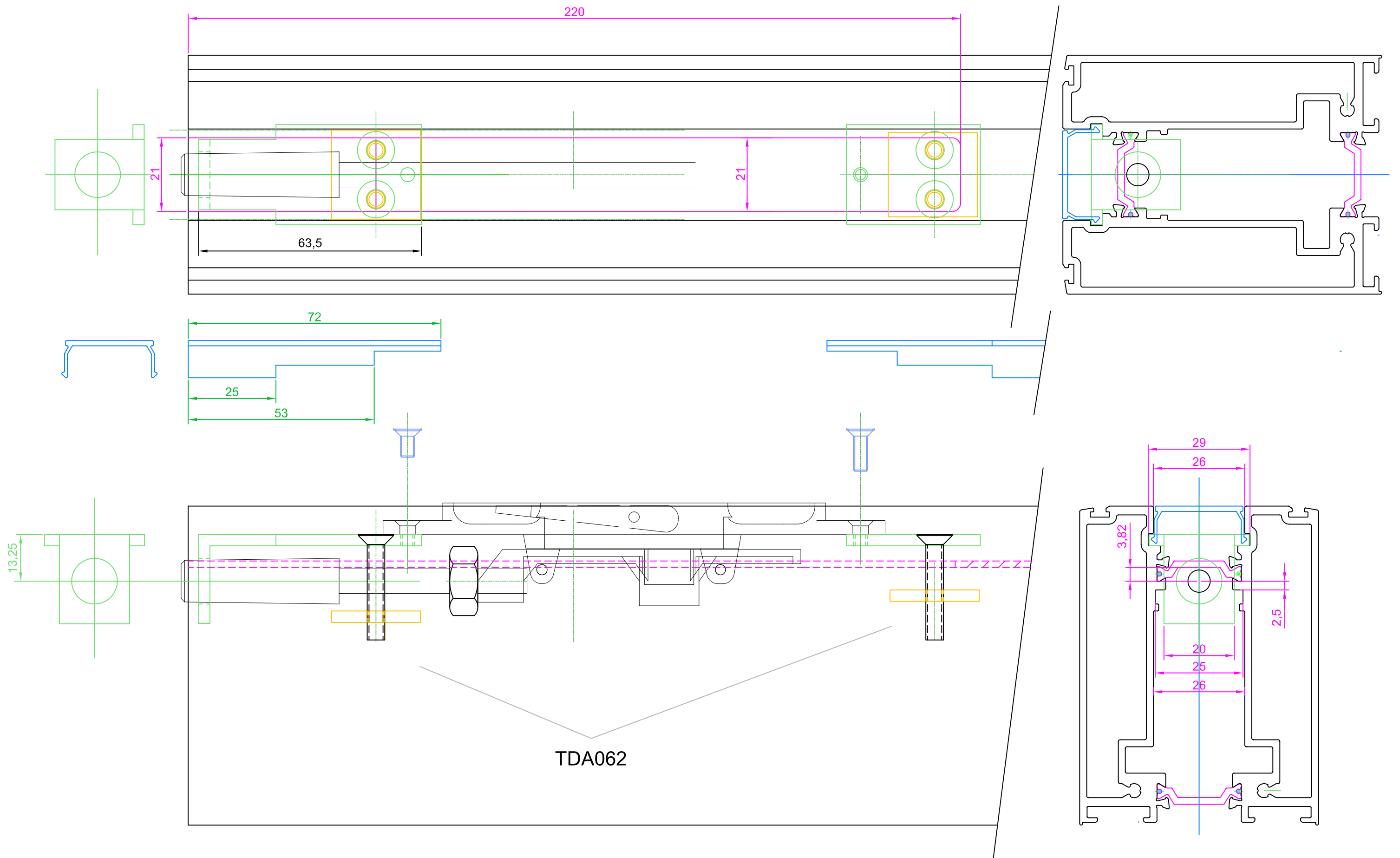
TD155
SLIM DOOR JAMB

TD007

ANTI FINGER TRAP ADAPTOR

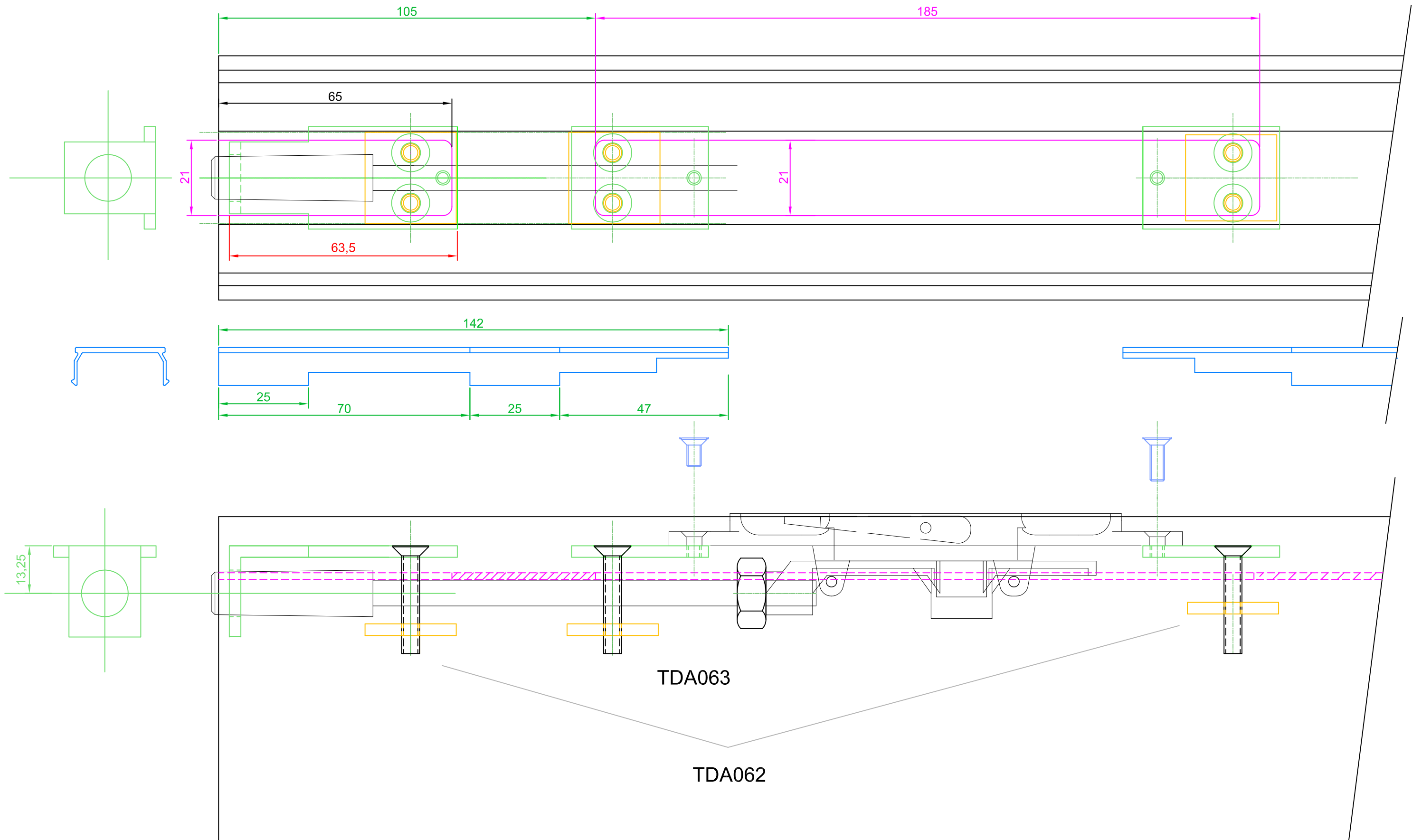
TD005
ANTI FINGER TRAP STILE

AXIM FLUSHBOLT FIXING 1

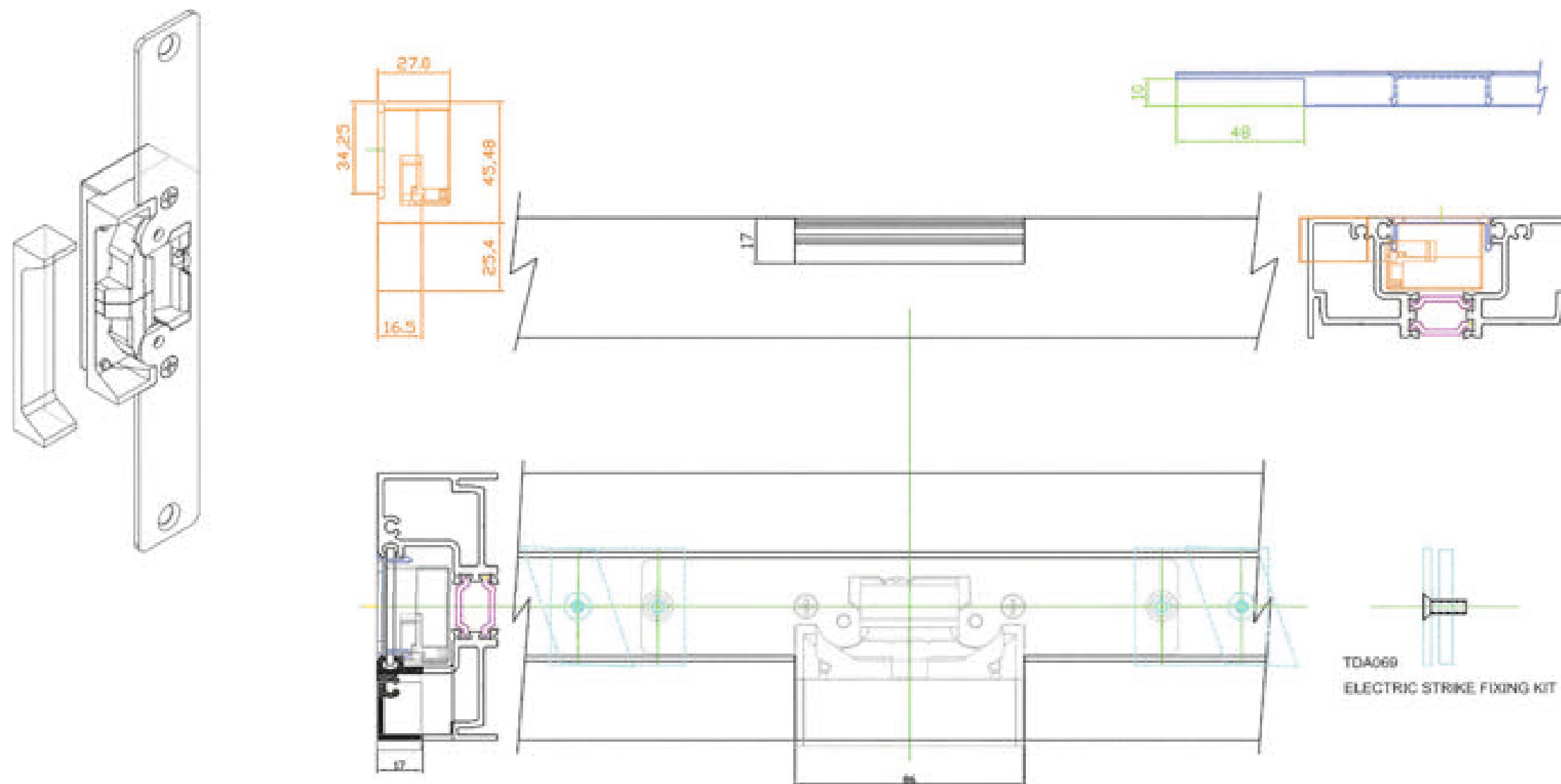


NOTE: THIS DIMENSION CAN BE AMENDED TO SUIT DOOR HEIGHT AND FLUSHBOLT POSITION FOR ACCESS. AMEND TRIM OVERALL LENGTH TO SUIT.

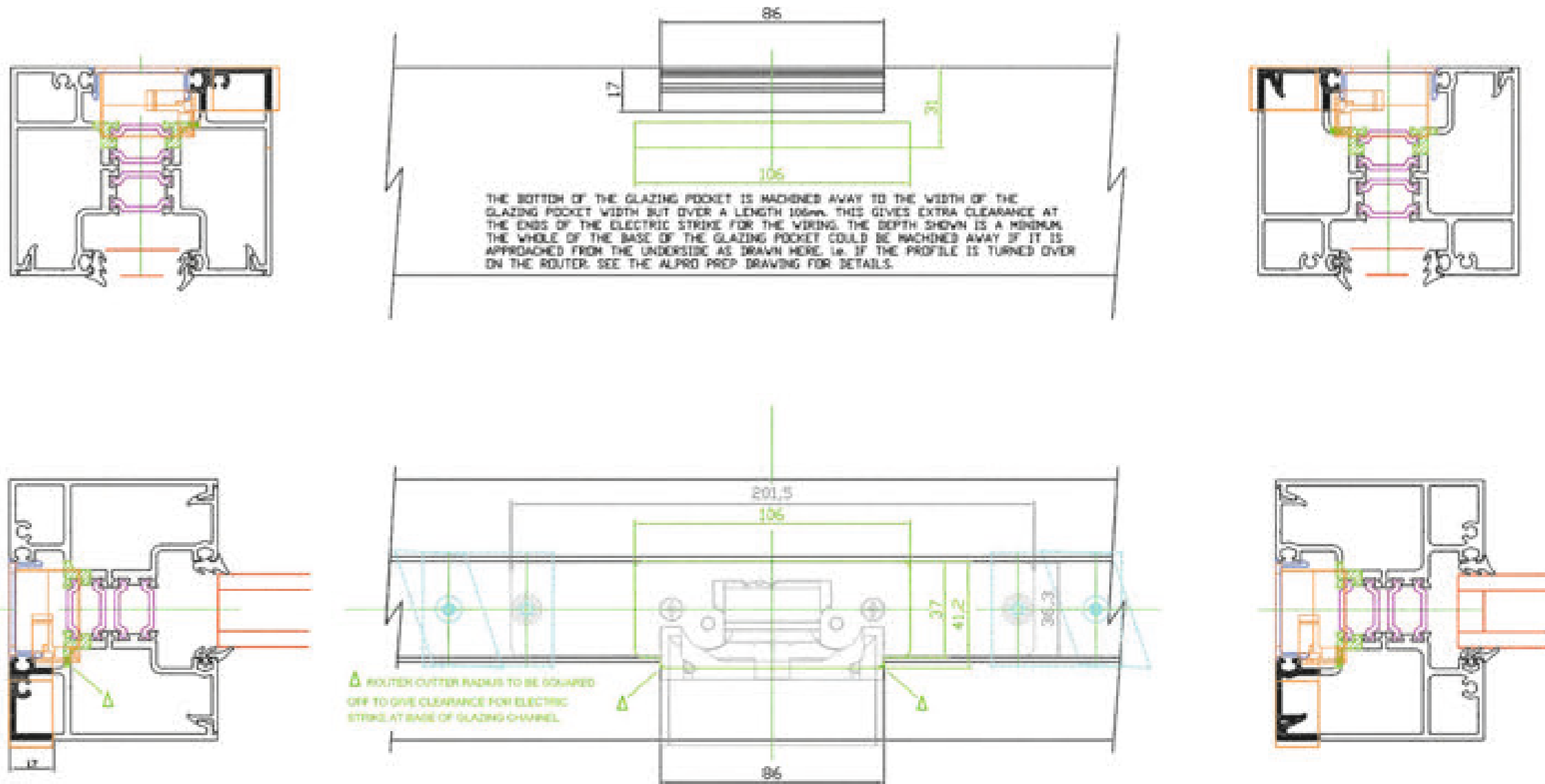
AXIM FLUSHBOLT FIXING 2



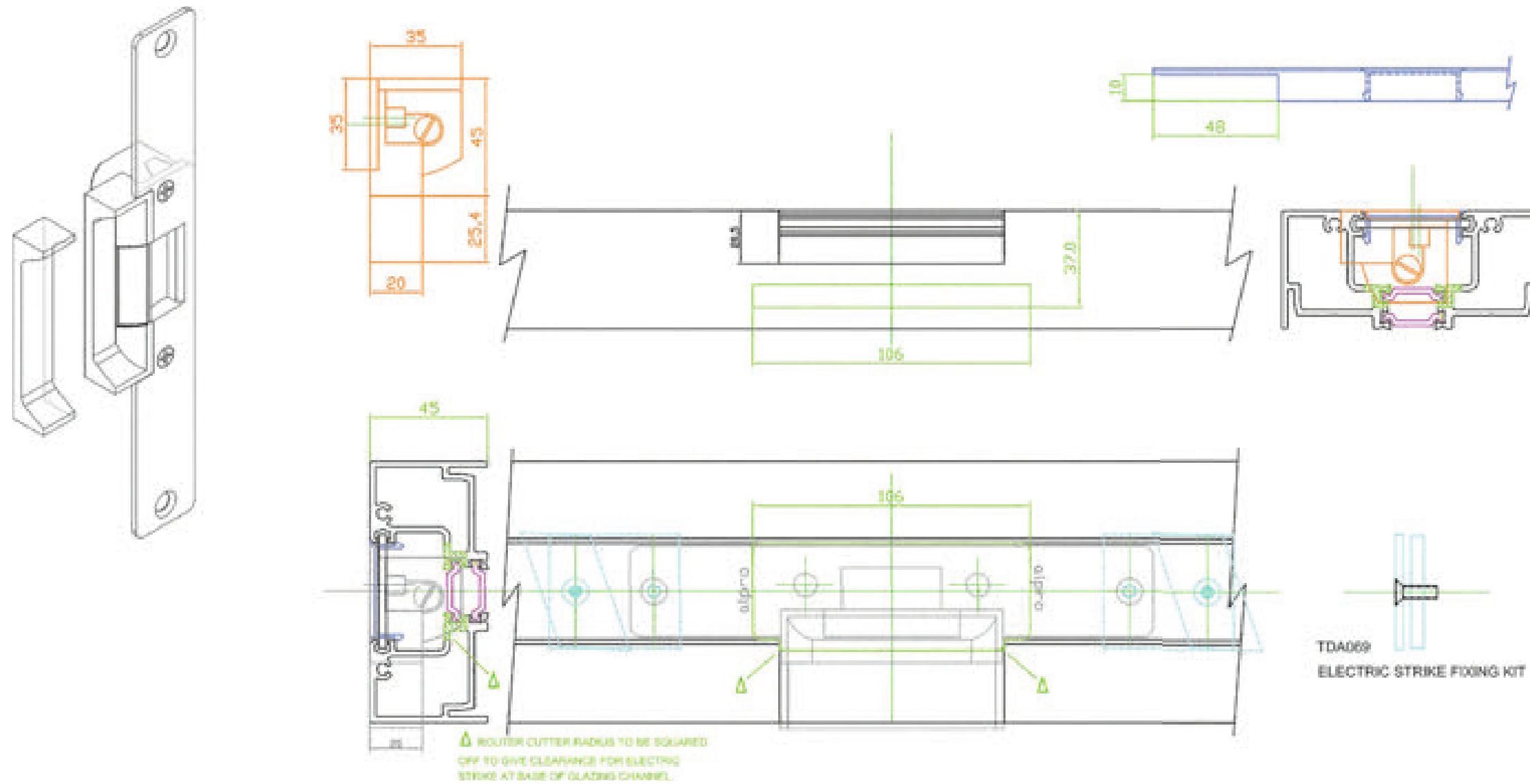
ELECTRIC STRIKE ADAMS RITE 7410 M627



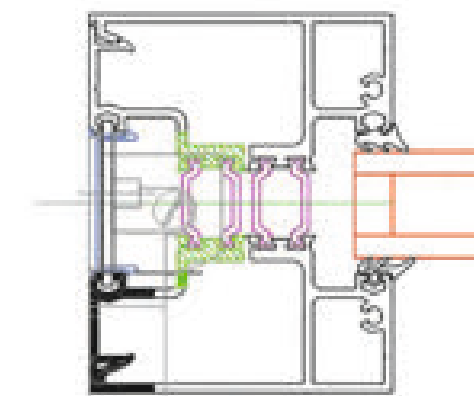
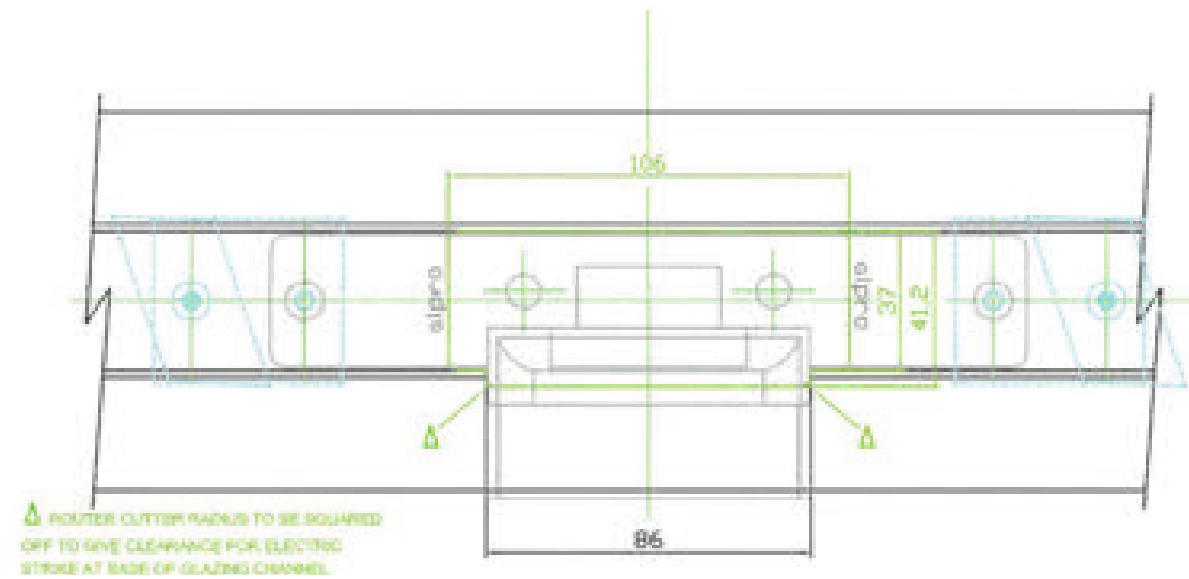
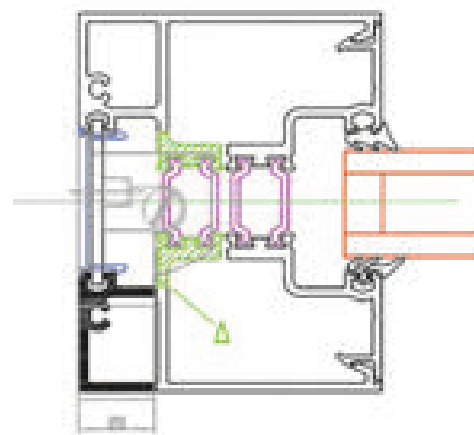
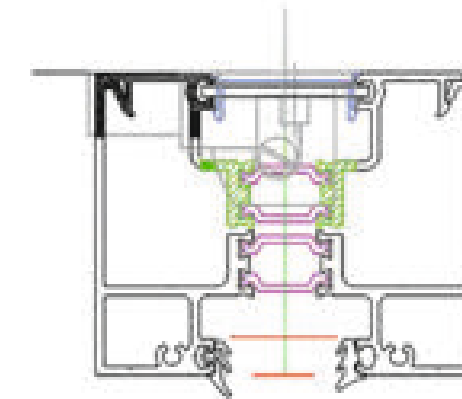
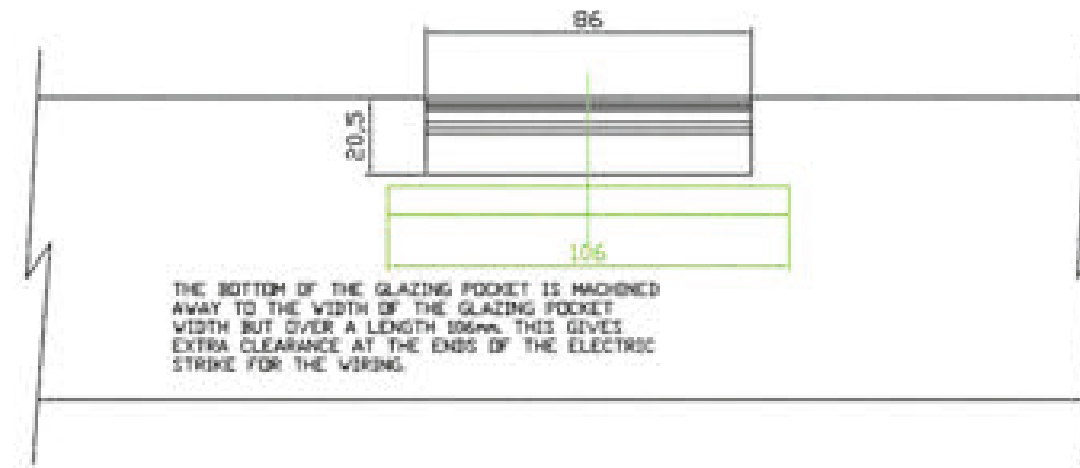
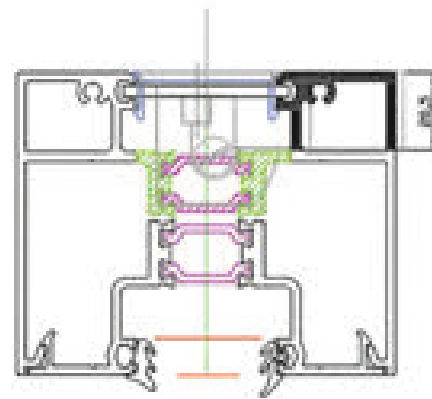
ELECTRIC STRIKE ADAMS RITE 7410 M628



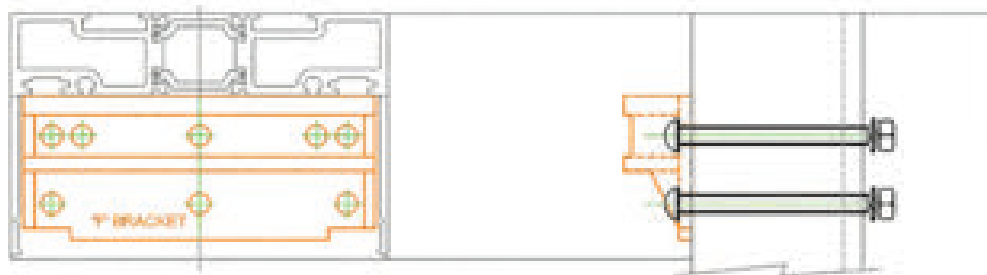
ELECTRIC STRIKE ALPRO ES109



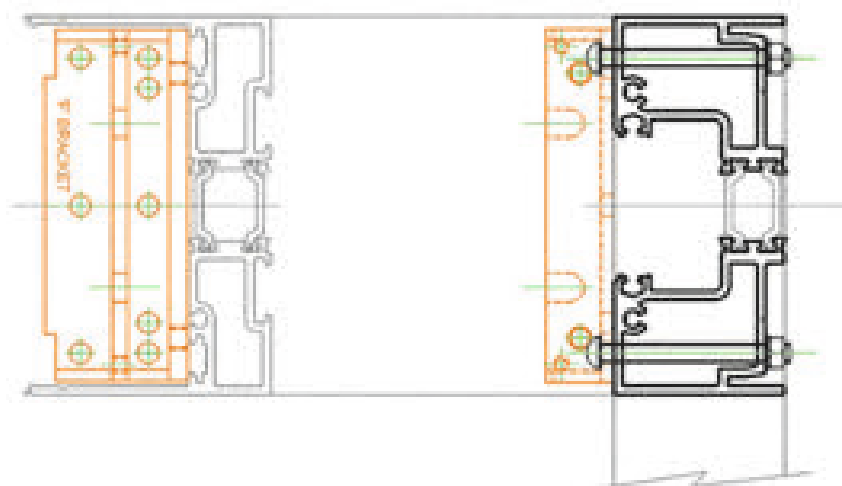
ELECTRIC STRIKE ALPRO ES110



The image contains two technical drawings of a door assembly. The top drawing is a side view of the door profile, showing a multi-chambered internal structure. It features a central vertical channel and two side channels. The text 'LEONARDO 4' is printed vertically on the left side. The bottom drawing is a cross-sectional view of the door assembly, showing the internal mechanism. It includes a central vertical channel and two side channels. The text 'LEONARDO 4' is printed vertically on the left side. The drawings are rendered in black lines on a white background, with some components highlighted in orange and green.



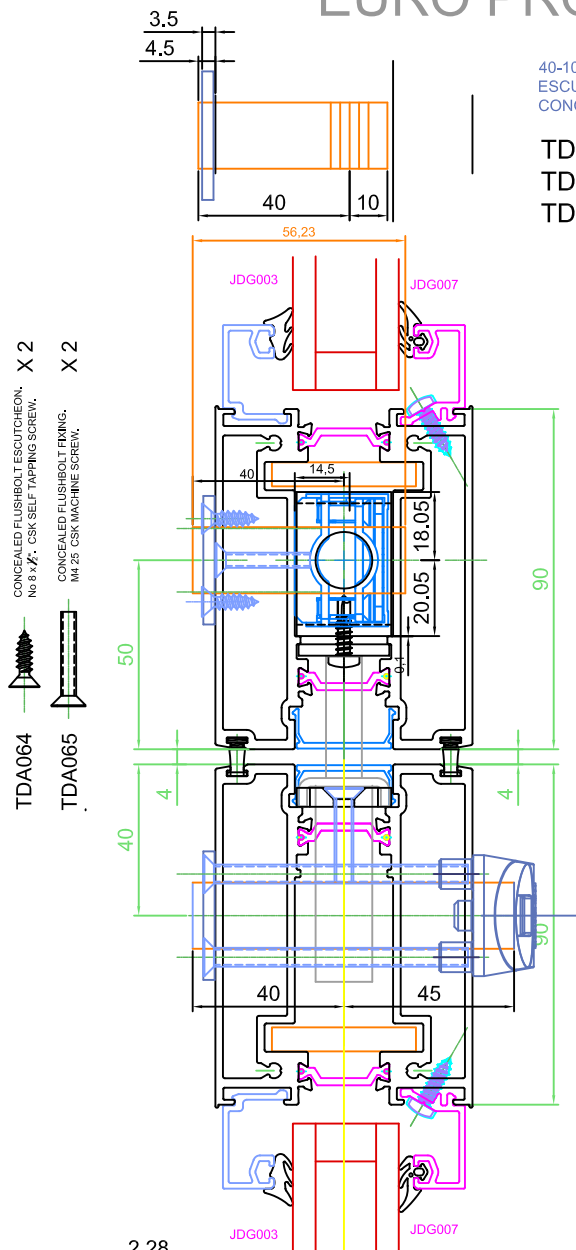
© 2000 Blackwell Science Ltd
Journal of Internal Medicine 247: 105–112



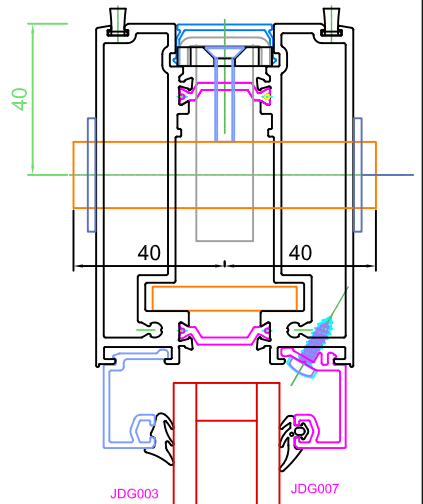
EURO PROFILE CYLINDERS

40-10 SINGLE CYLINDER.
ESCUTCHEON PLATE WITH
CONCEALED FLUSHBOLT.

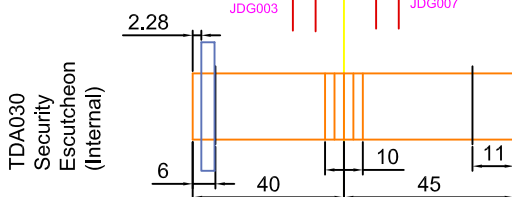
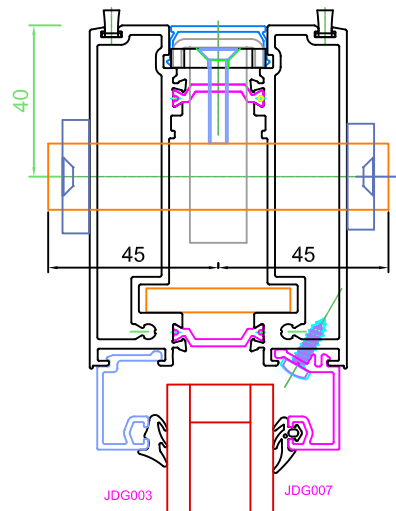
- TDA060 40/10 (50mm) Single Cylinder Keyed Alike
- TDA061 40/10 (50mm) Single Cylinder Keyed Different
- TDA074 40/10 (50mm) Single Cylinder Thumbturn



JDA063
Self Adhesive
Escutcheon
Inside and Out

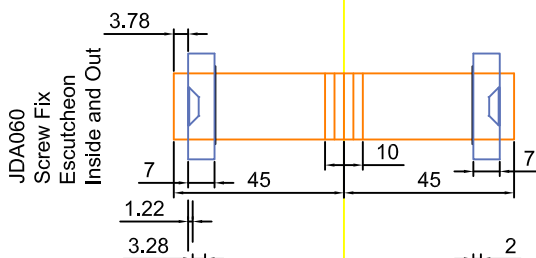


JDA060
Screw Fix
Escutcheon
Inside and Out



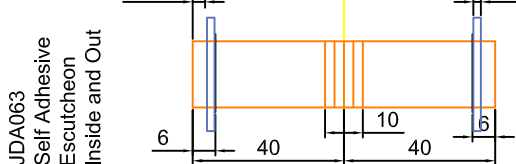
45-40 CYLINDER.
SECURITY ARMoured ESCUTCHEON.

- TDA049 45/40 (85mm) Double Cylinder Keyed Alike
- TDA037 45/40 (85mm) Double Cylinder Keyed Different
- TDA025 45/40T (85mm) Cylinder + Thumbturn Keyed Alike
- TDA031 45/40T (85mm) Cylinder + Thumbturn Keyed Different



45-45 CYLINDER.
SCREW FIX ESCUTCHEONS 7.0 THICK.

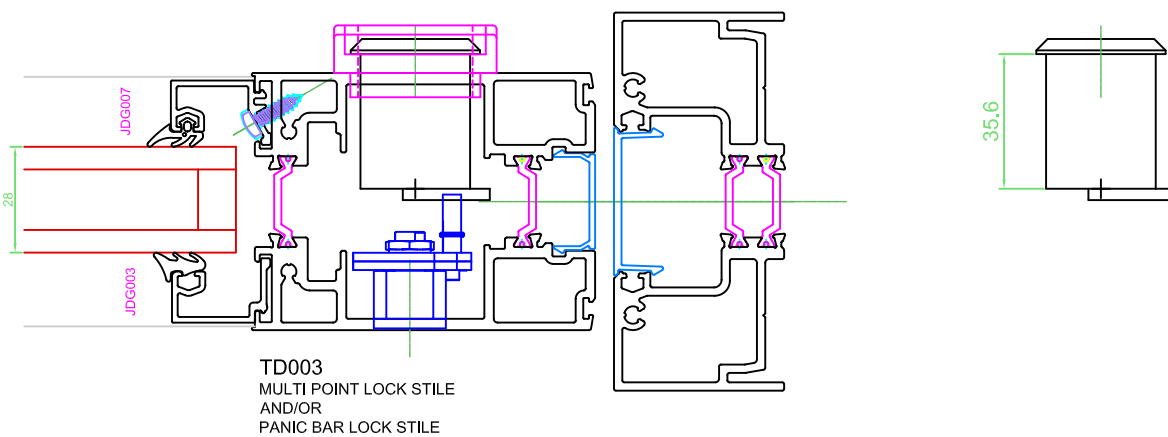
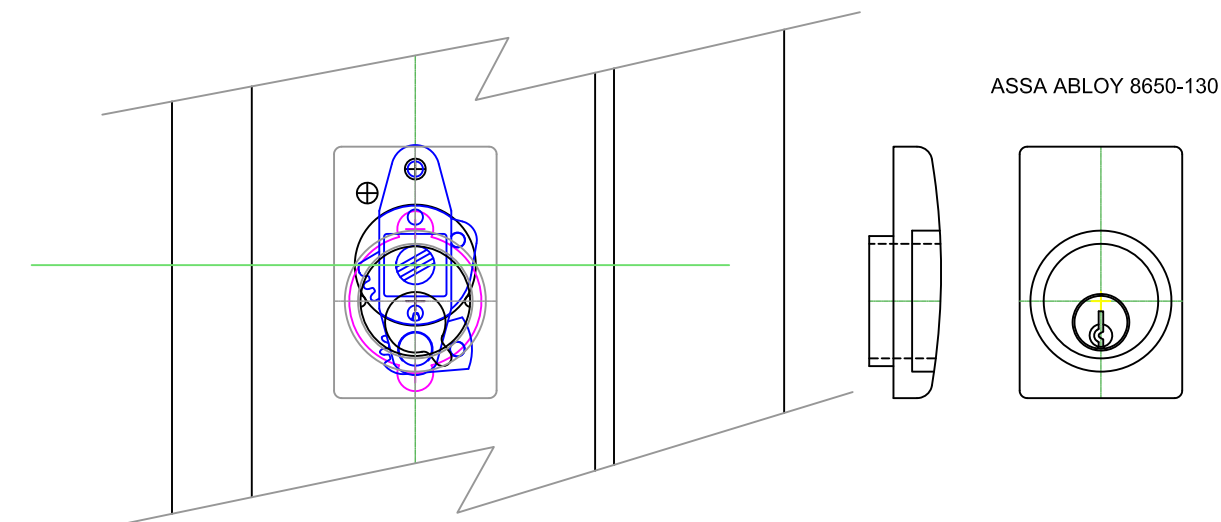
- TDA084 45/45 (90mm) Double Cylinder Keyed Alike
- TDA085 45/45 (90mm) Double Cylinder Keyed Different
- TDA082 45/45 (90mm) Cylinder + Thumbturn Keyed Alike
- TDA083 45/45 (90mm) Cylinder + Thumbturn Keyed Different



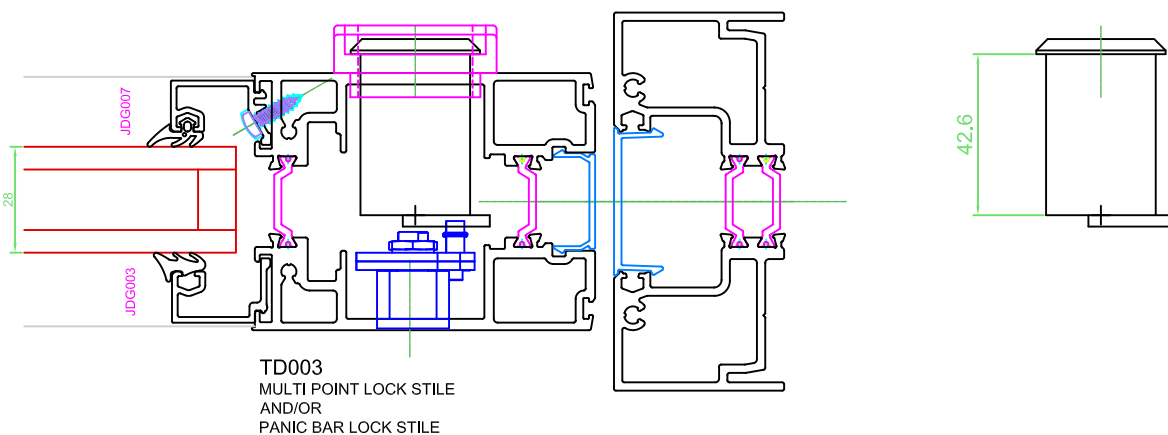
40-40 CYLINDER.
SELF ADHESIVE ESCUTCHEONS 2.5 THICK.

- TDA072 40/40 (80mm) Double Cylinder Keyed Alike
- TDA073 40/40 (80mm) Double Cylinder Keyed Different
- TDA080 40/40 (80mm) Cylinder + Thumbturn Keyed Alike
- TDA081 40/40 (80mm) Cylinder + Thumbturn Keyed Different

EXTENDED ROUND CYLINDERS ADAMS RITE 960 BAR

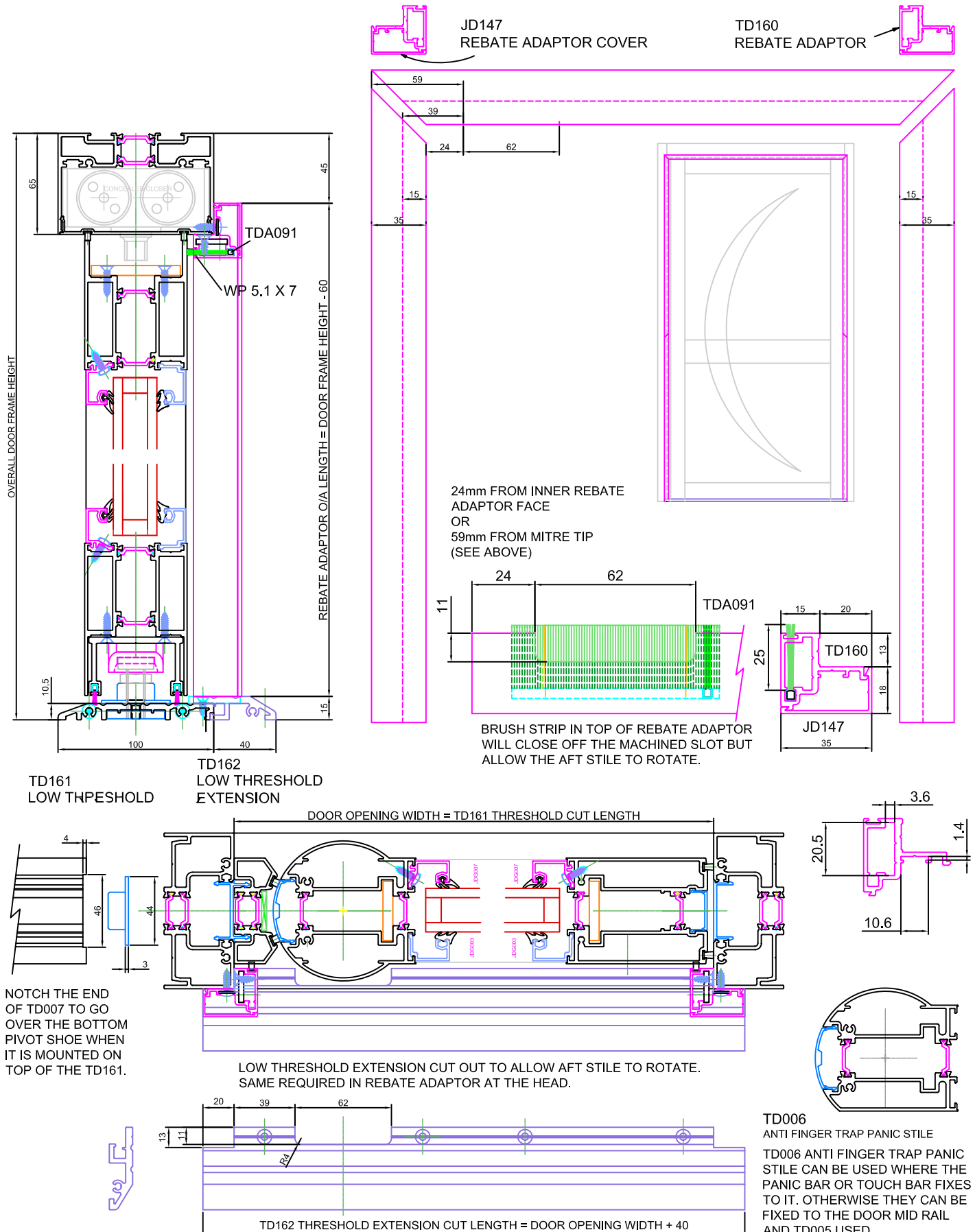


Example 960-00-3-999-628-967, for an extended pin version and standard cylinder suited to your system.



Example 960-00-3-999-628, for standard gear version and extended cylinder suited to your system.

PANIC DOOR REBATE ADAPTOR & THRESHOLD EXTENSION DETAIL



TDA009 LOCK FITTING KIT (6 POSITIONS)

- DOOR LOCKING LUG 2 OFF FRONT
- DOOR LOCKING LUG 4 OFF FRONT
- M5 x 25 CSK MACHINE SCREW 4 OFF FRONT

INTERMEDIATE SCREWS MAY BE FIRED INTO THE DOOR FRAME TO SECURE SENTINEL M BUT THIS MUST NOT PREVENT FREE MOVEMENT OF ITS OPERATING MECHANISM.
No 8 x 1" CSK SELF TAPPING SCREW.

SEE ADAMS RITE INSTRUCTIONS FOR PREP DETAILS, POSITION ETC RELATIVE TO THE FOLLOWER AXIS CENTRE LINE.

KEEP PROFILE TO TAKE ADAMS RITE SENTINEL M STRIKE PLATE.

COUNTERSINK TO SUIT M5 MACHINE SCREWS USED TO CLAMP PROFILE IN TO DOOR JAMB POCKET.

PILOT HOLES FOR No8 SCREW FIXING STRIKE PLATE TO MOUNTING.

TDA090
ADAMS RITE SENTINEL M STRIKE PLATE MOUNTING

FOLLOWER AXIS CENTRE LINE

ASSA EXTERNAL HANDLE NOT SHOWN
ASSA 400ES ESCUTCHEON

TD155 SLIM DOOR JAMB

35 BACKSET

TD001 STANDARD LOCK STILE

24.5

39

JD147 REBATE ADAPTOR COVER

TD160 REBATE ADAPTOR

IF DOOR IS TO PAS24 SECURITY STANDARD THEN A 3 STAR CYLINDER MUST BE FITTED

ALTERNATIVE CYLINDER FOR USE WITH SELF ADHESIVE ESCUTCHEON

TDA064

M5 x 20 CSK SCREW AND CLAMP PLATE

Ø17.5^{+0.5}

19.5

10.5^{+0.5}

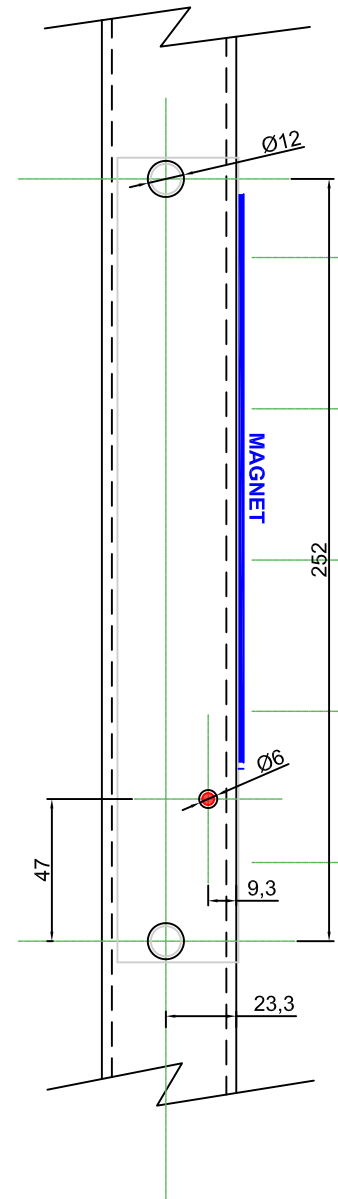
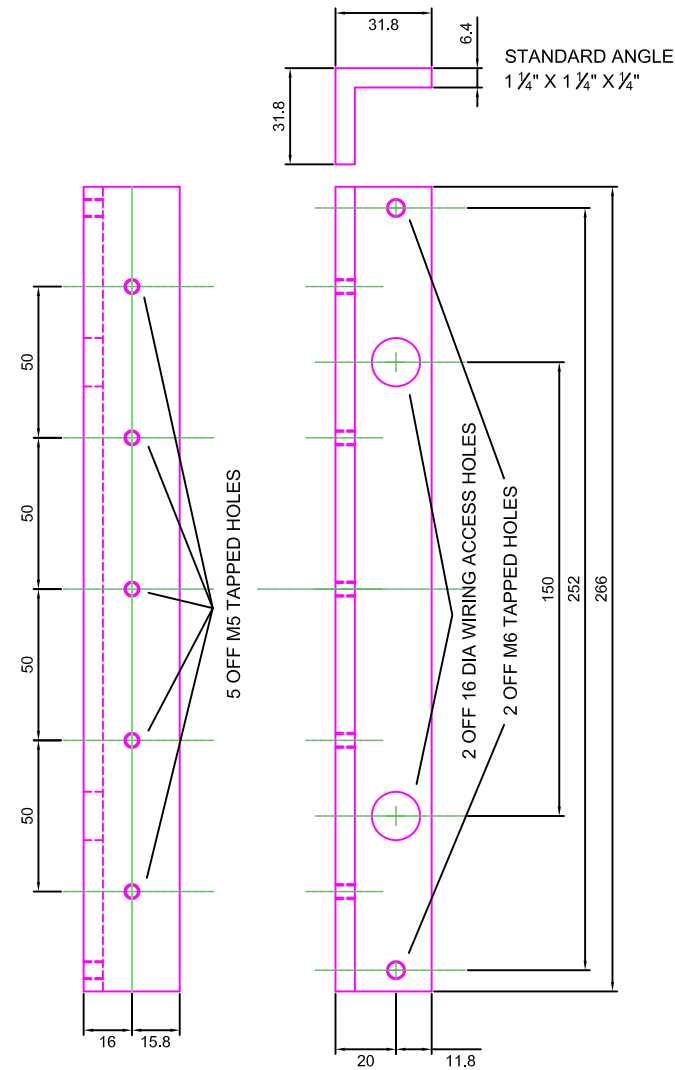
33.5^{+0.5}

Ø10.5^{+0.5}

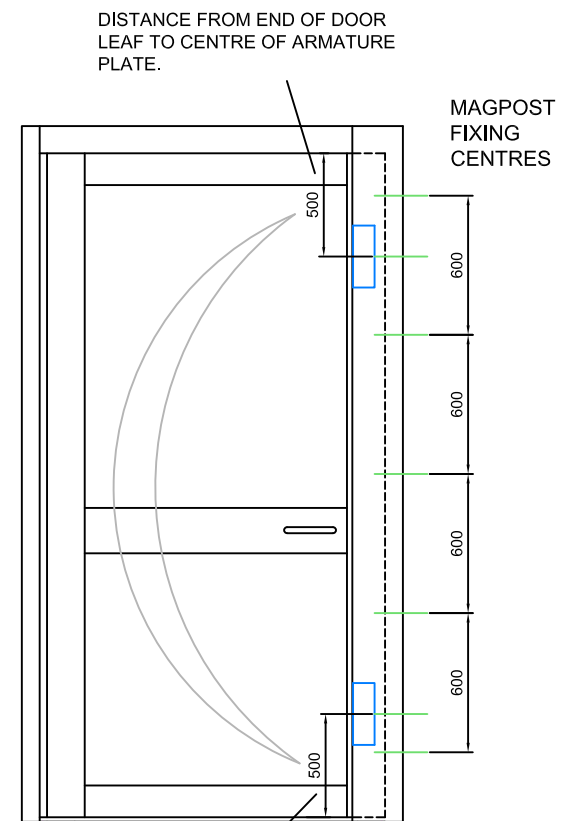
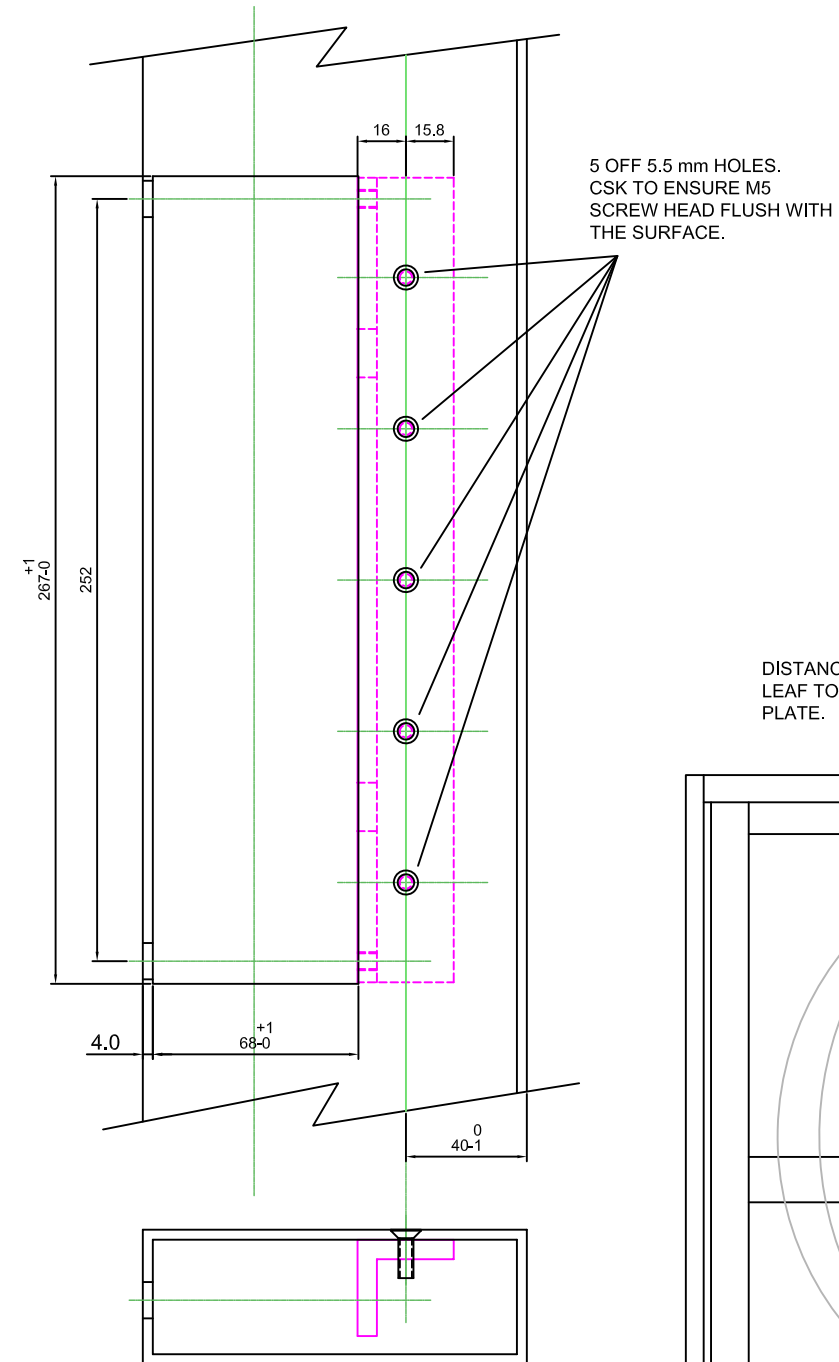
THE CYLINDER PREP IS IMPORTANT FOR THE KITEMARKED CYLINDERS SECURITY PERFORMANCE. THE SECURITY RATING WILL BE COMPROMISED IF TOO MUCH CLEARANCE IS LEFT AROUND THE CYLINDER AND THE PAS24 CERTIFICATION MAY BE INVALIDATED.

CONTROLLED ACCESS DOOR ADAMS RITE 281 MAGLOCK FITTING DETAIL

NOTE:
TDA101
MONITORED 281 MAGLOCK MOUNTING ANGLE
(SHOWN HERE)
USE TDA113 FOR
NON MONITORED 281 MAGLOCK MOUNTING
ANGLE (SEE 5.34 FOR DIMENSIONS)



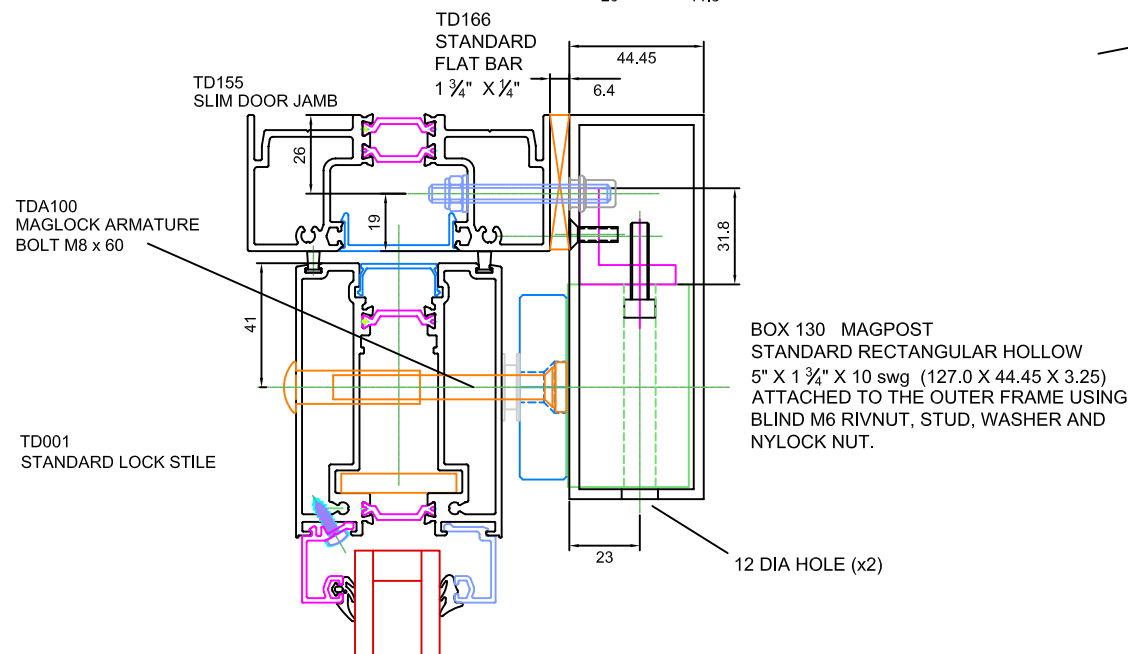
ADAMS RITE
281
USING TDA101
MOUNTING ANGLE



DISTANCE FROM END OF DOOR LEAF TO CENTRE OF ARMATURE PLATE

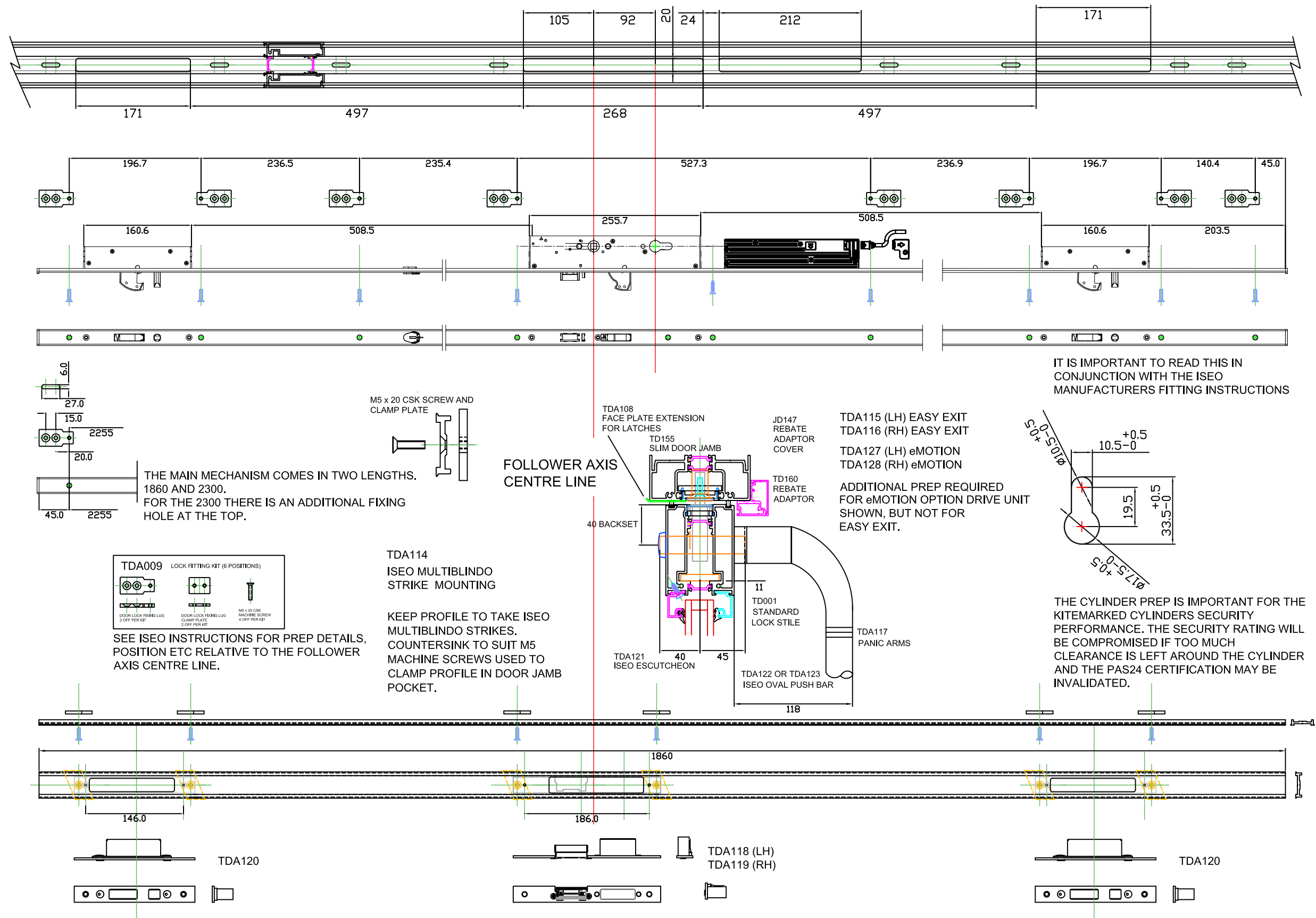
NOTE:
LOCATION OF THE MAGLOCK IN THE MAGPOST MUST ENSURE FULL AND CORRECT CONTACT WITH THE ARMATURE PLATE ON THE DOOR LEAF.

GENERAL ARRANGEMENT FOR MAGLOCK
CONTROLLED ACCESS SECURITY DOOR.

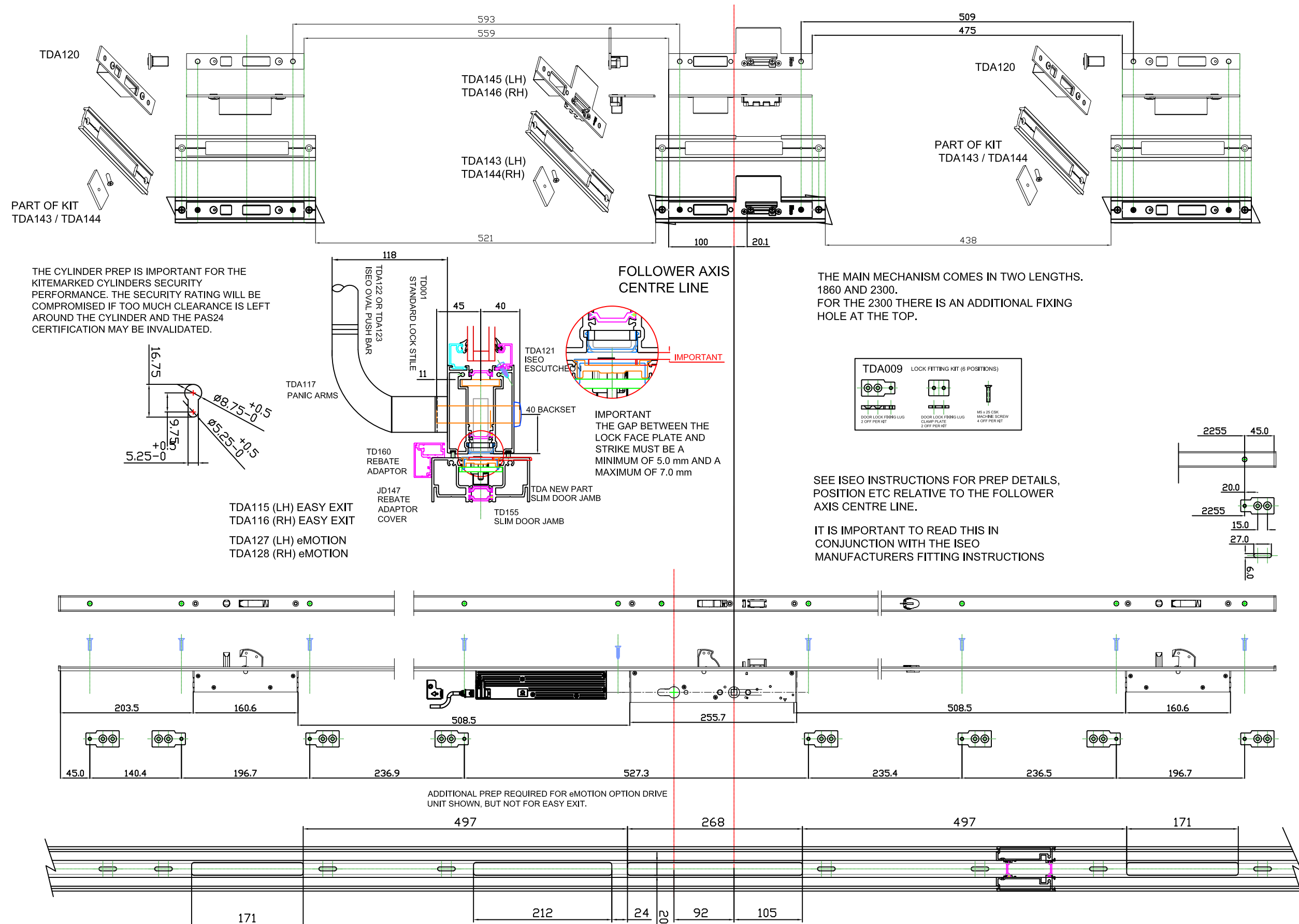


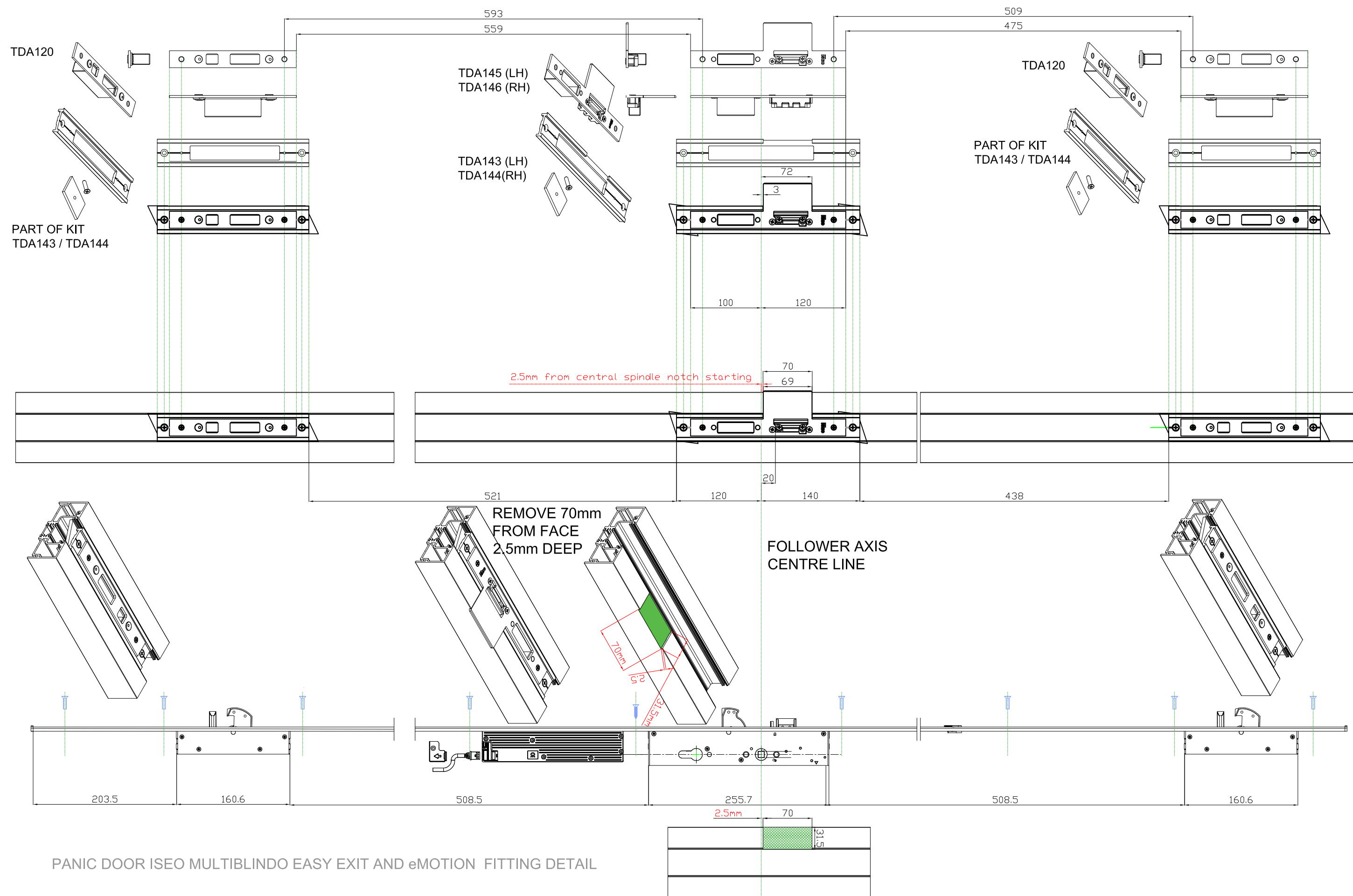
PANIC DOOR ISEO MULTIBLINDO EASY EXIT AND eMOTION FITTING DETAIL

*Superseded — see page 5.35
for new solution*



PANIC DOOR ISEO MULTIBLINDO EASY EXIT AND eMOTION FITTING DETAIL

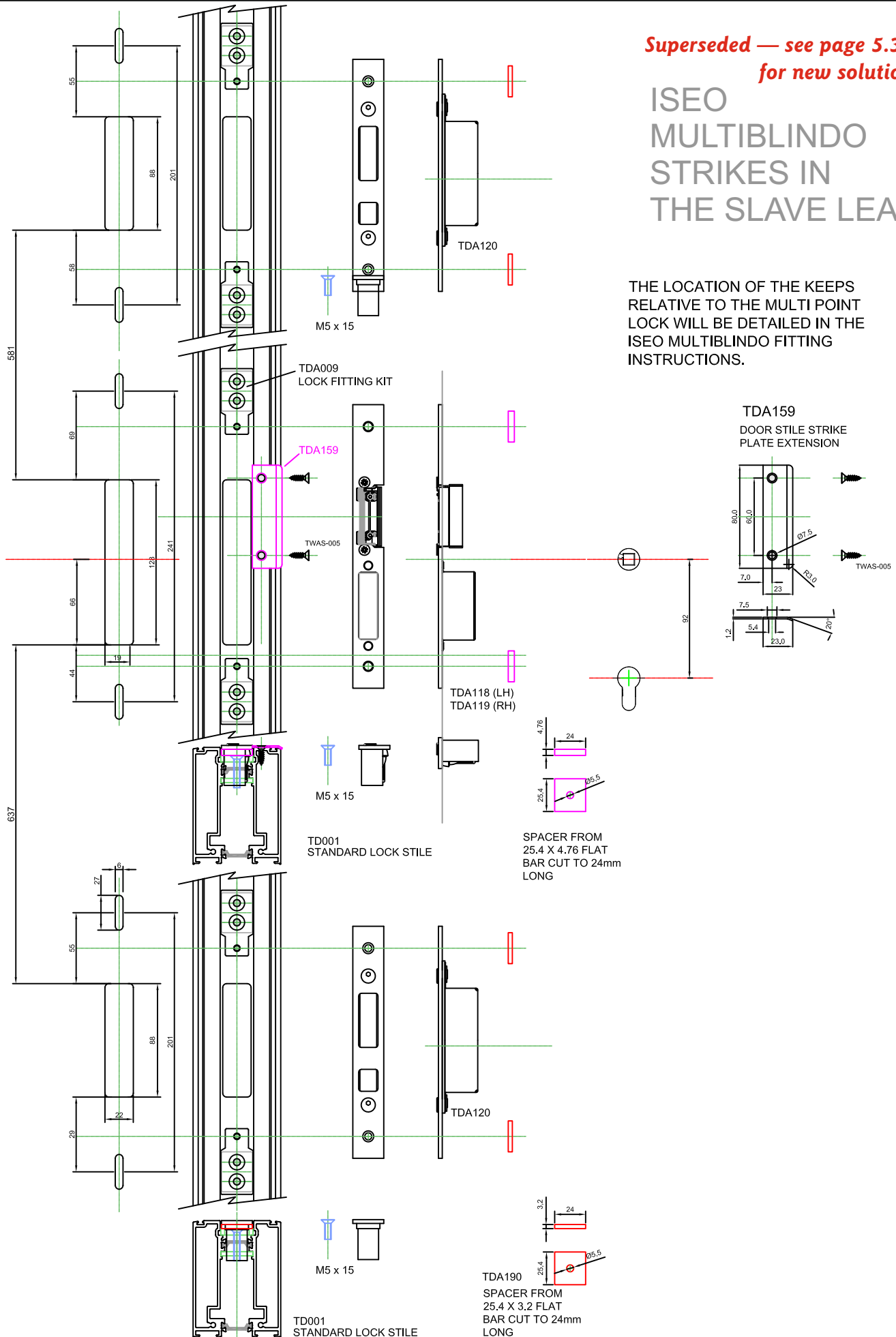




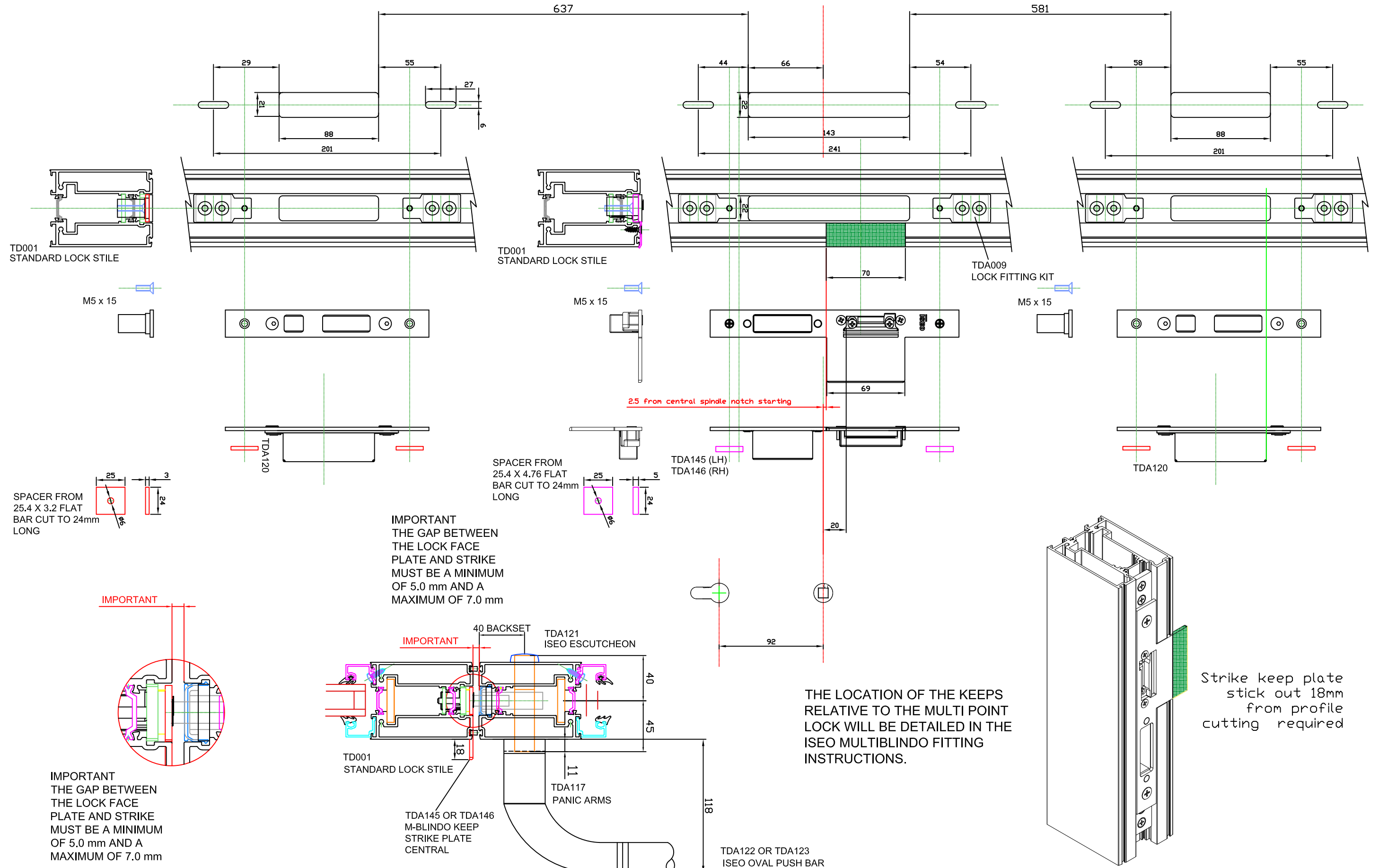
*Superseded — see page 5.39
for new solution*

ISEO MULTIBLINDO STRIKES IN THE SLAVE LEAF

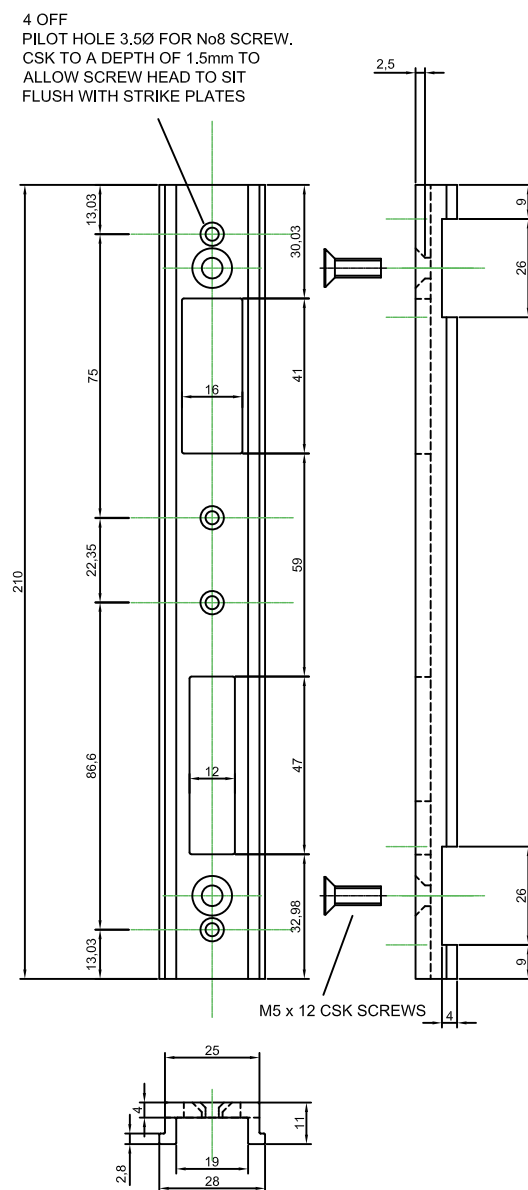
THE LOCATION OF THE KEEPS
RELATIVE TO THE MULTI POINT
LOCK WILL BE DETAILED IN THE
ISEO MULTIBLINDO FITTING
INSTRUCTIONS.



ISEO MULTIBLINDO STRIKES IN THE SLAVE LEAF



NEMEF LOCK KEEPS



TDA152

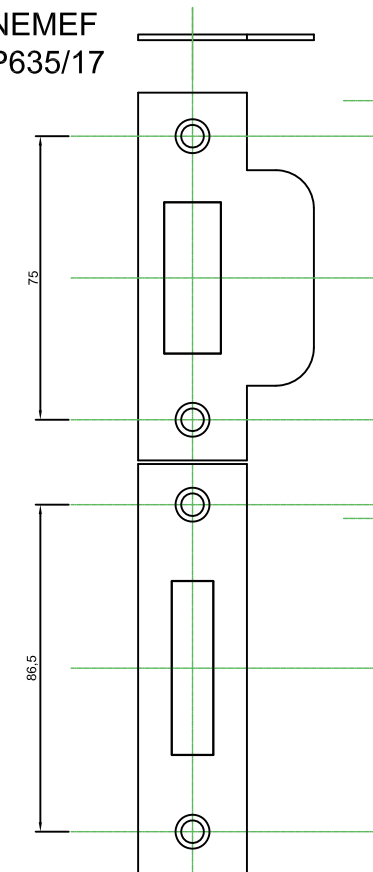
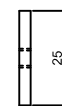
DOUBLE DOOR NEMEF
LOCK KEEP

LOCK KEEP TO FIT DOOR STILE PROFILES
TO SUIT NEMEF 9604 / 07 LOCK

Comes complete with 2 Fixing Tabs and 2 Screws

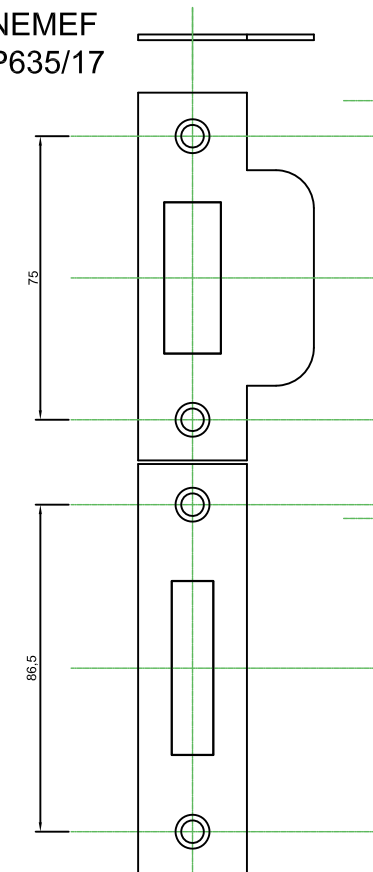
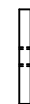
TDA131

NEMEF
P635/17



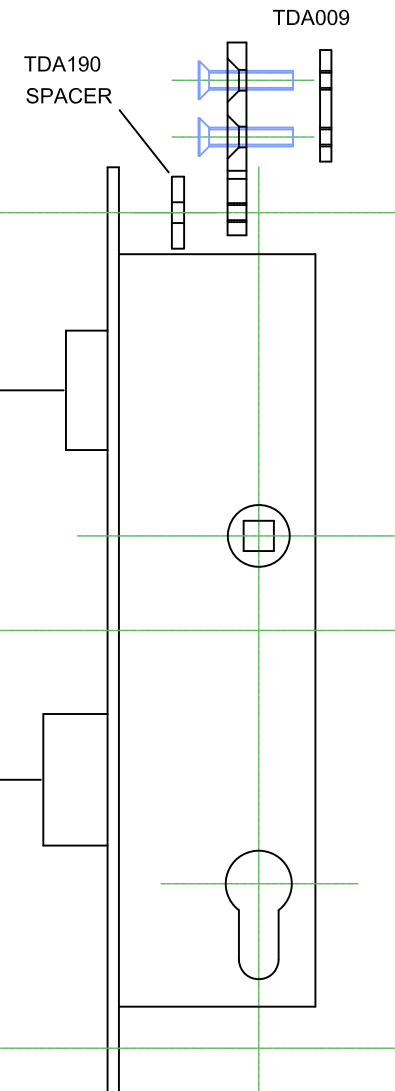
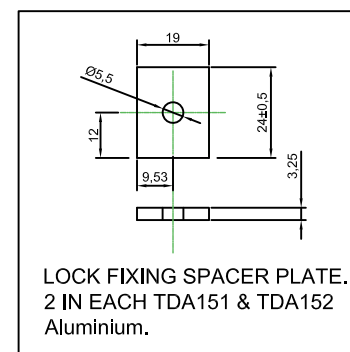
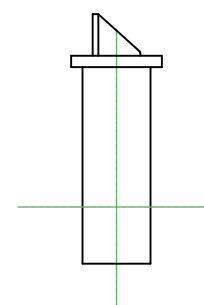
TDA132

NEMEF
P636/17

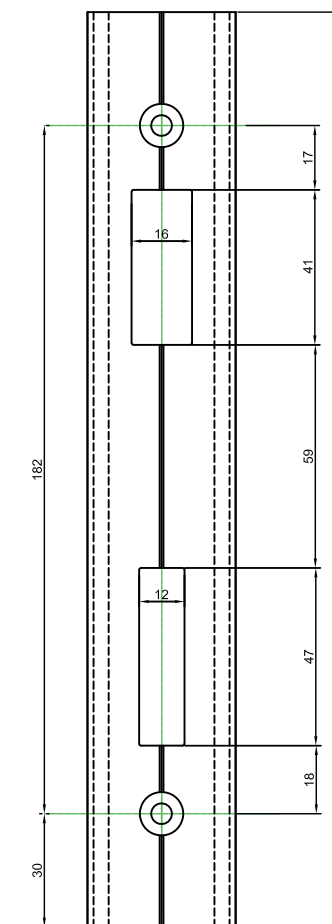


TDA130

NEMEF
9604 / 07 LATCH LOCK



TDA009

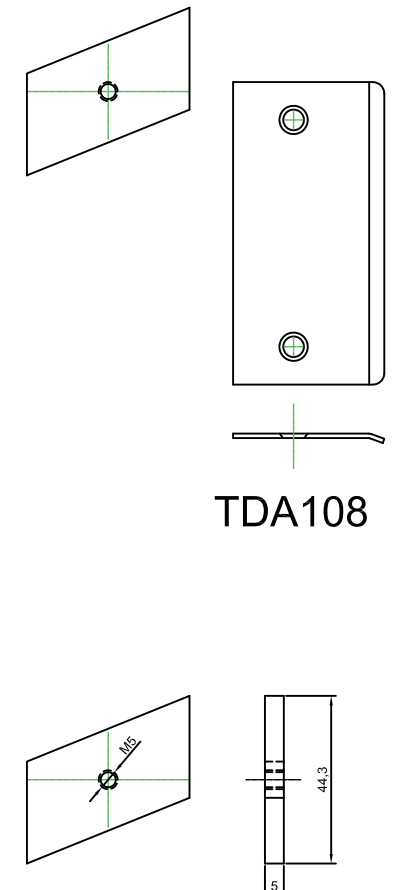


TDA151

SINGLE DOOR NEMEF
LOCK KEEP

LOCK KEEP TO FIT DOOR FRAME
PROFILES TO SUIT NEMEF 9604 / 07 LOCK

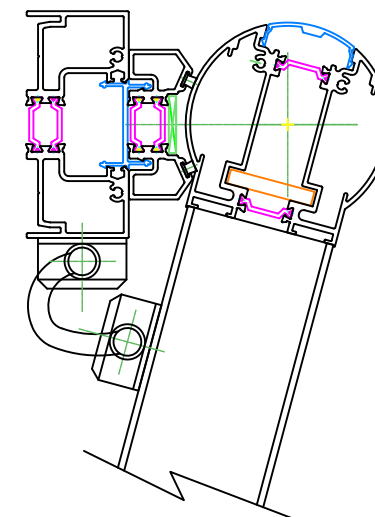
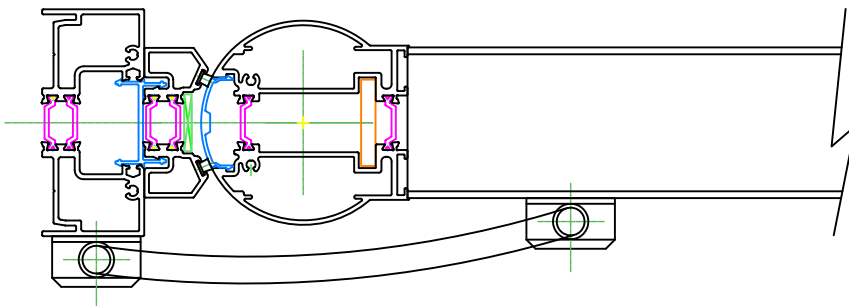
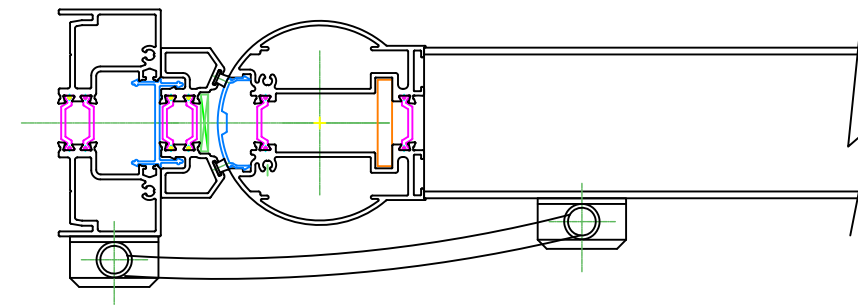
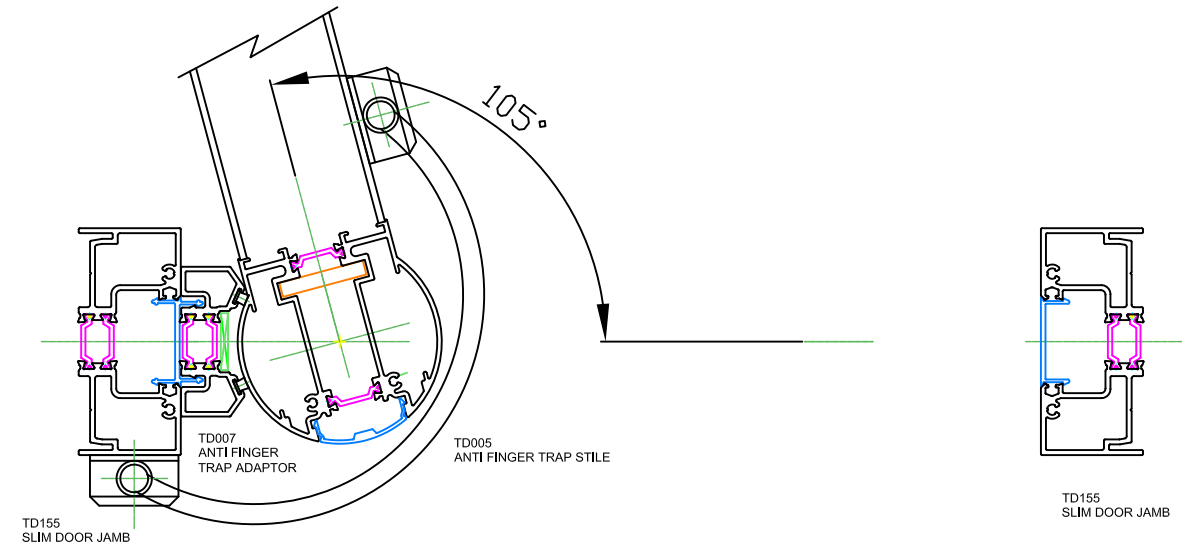
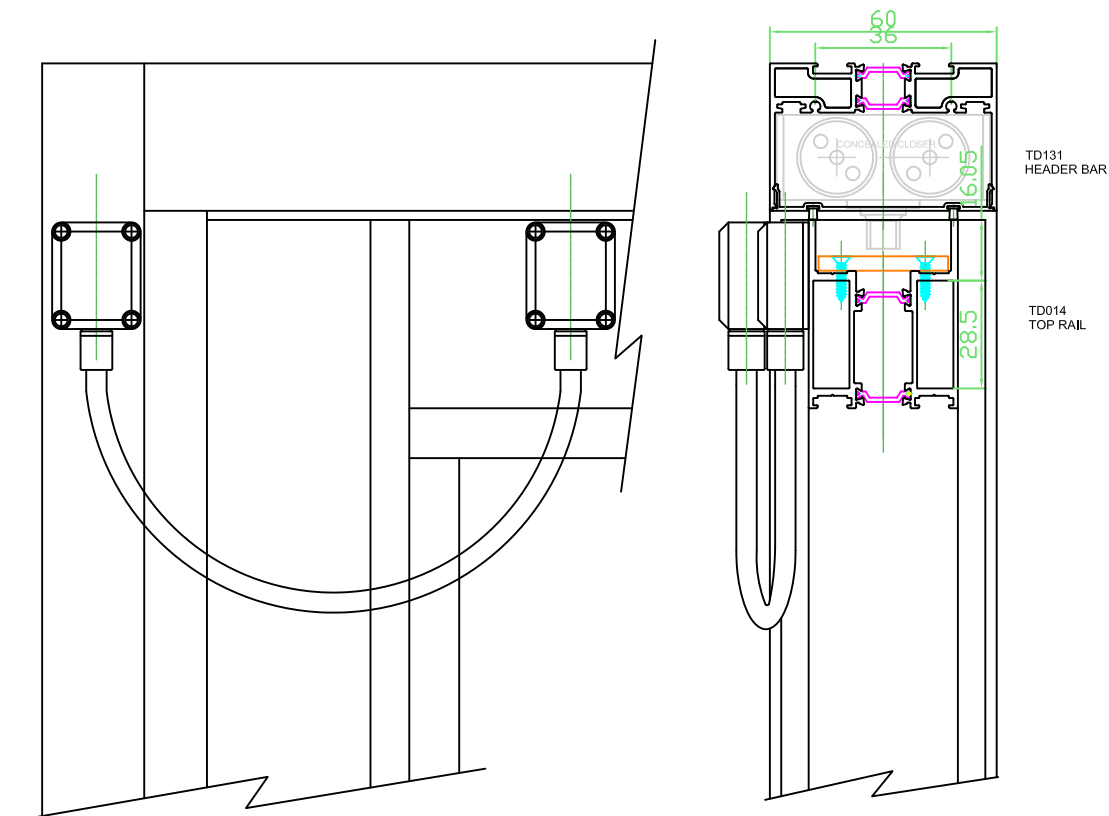
Comes complete with 2 Fixing Tabs and 2 Screws



COUNTERSINK TO SUIT
M5 x 20 CSK SCREWS

TYPICAL CABLE LOOP ARRANGEMENT

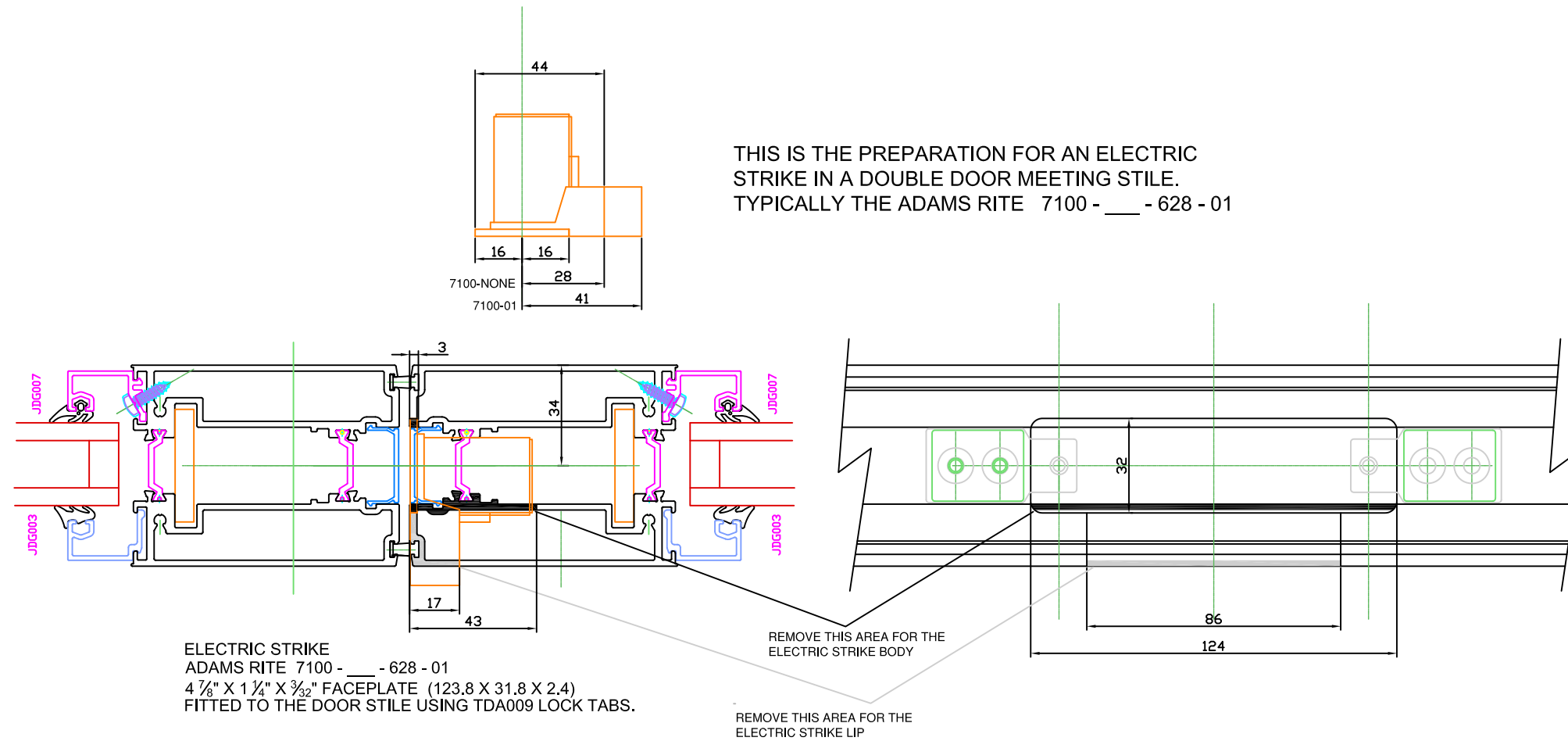
ALP135 TYPE WITH 400mm LOOP



TDA141

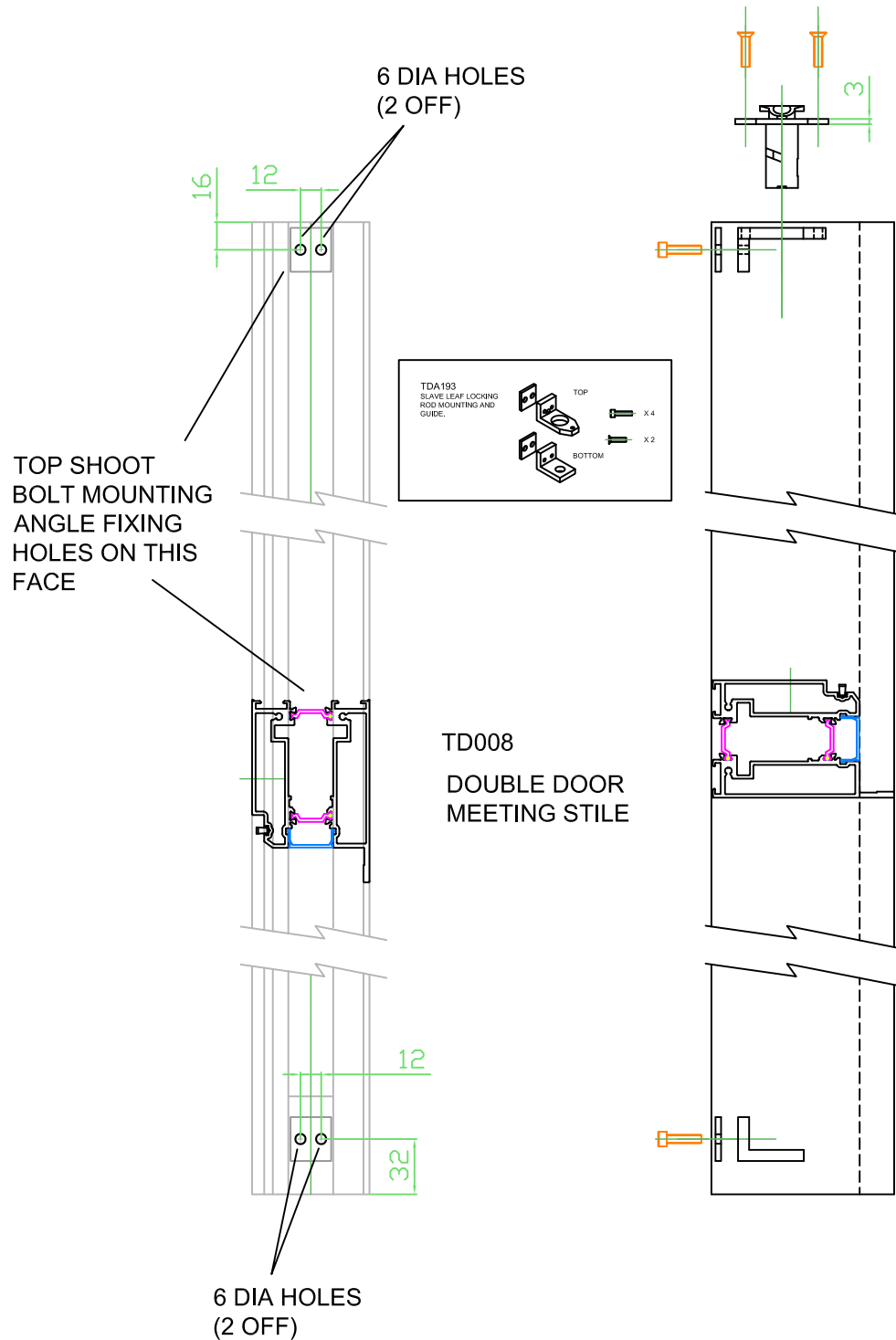
THIS IS A TYPICAL CABLE LOOP AND SUGGESTED FITTING TO ENABLE THE LOCK CONTROL CABLE TO BE ROUTED VIA THE DOOR TOP RAIL TO THE OUTER FRAME. DUE TO THE SIZE OF DOOR BEING UNKNOWN AND THE LIKELIHOOD OF THE DOORS LEAVES GOING TO SITE SEPARATE FROM THE FRAME, IT MIGHT BE ADVANTAGEOUS TO RUN THE ISEO CABLE INTO A CONNECTOR BLOCK FIXED IN THE TOP RAIL CHANNEL OF THE DOOR LEAF. THEN BUILDING SYSTEM CABLES CAN BE FED INDEPENDENTLY THROUGH THE CABLE LOOP TO THE CONNECTOR BLOCK WHICH WILL BE EASILY ACCESSIBLE AFTER THE DOOR IS INSTALLED. ULTIMATELY THE BUILDING CONTROL SYSTEM WIRING IS THE RESPONSIBILITY OF THE INSTALLER.

ADAMS RITE 7100 ELECTRIC STRIKE



THE CYLINDER PREP IS IMPORTANT FOR THE KITEMARKED CYLINDERS SECURITY PERFORMANCE. THE SECURITY RATING WILL BE COMPROMISED IF TOO MUCH CLEARANCE IS LEFT AROUND THE CYLINDER AND THE PAS24 CERTIFICATION MAY BE INVALIDATED.

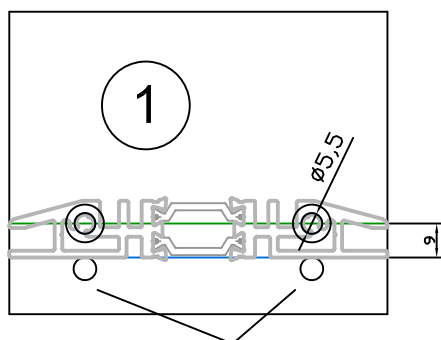
G-U SLAVE LEAF LOCKING ROD GUIDES



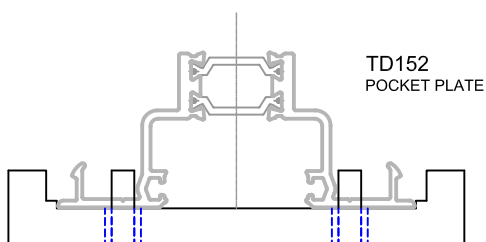
Jigs and Tooling

NO	DESCRIPTION	PROFILES
1	Threshold	TD134, TD135, TD136
2	Cill and Transom	TD151 and TD153
3	'F' Bracket	TD131
4	'F' Bracket	TD149
5	Top and Bottom Rail Cleat Holes	TD014 and TD010
6	Transom Closer Fixing Holes	TD131 and TD149
7	Rail Cleat Location on Stiles	TD014 and TD010

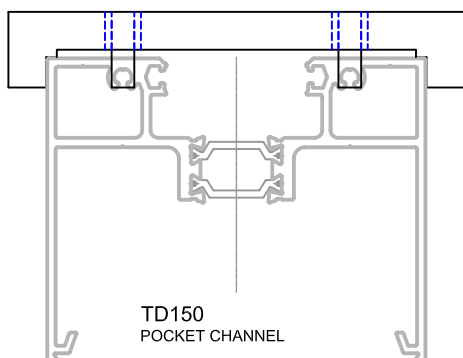
THRESHOLD FIXINGS



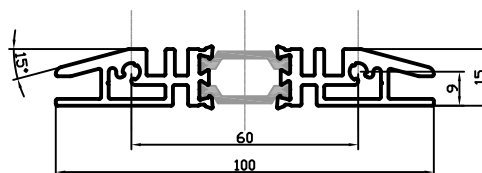
PINS TO LOCATE JIG ON THE END OF A MULLION FOR DRILLING HOLES FOR THE THRESHOLD.



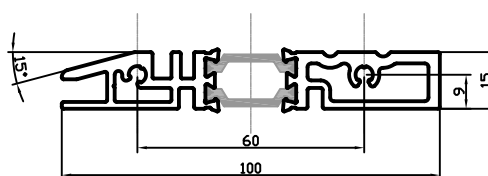
TD152
POCKET PLATE



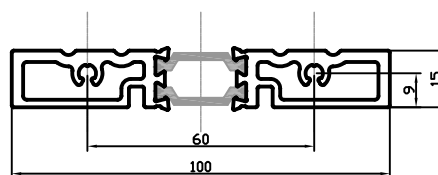
TD150
POCKET CHANNEL



TD134
THERMAL DRAINED DOUBLE
RAMP THRESHOLD

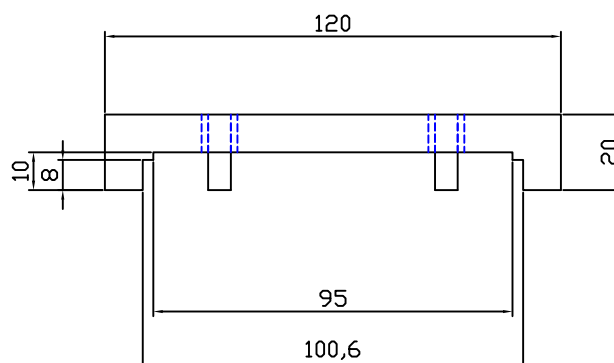


TD135
THERMAL DRAINED SINGLE
RAMP THRESHOLD



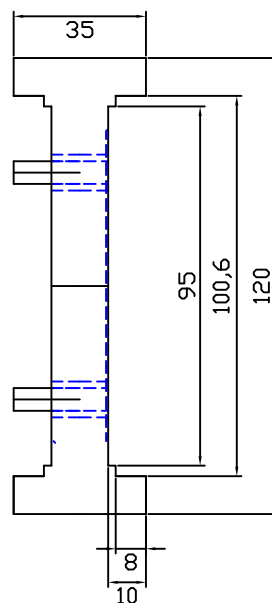
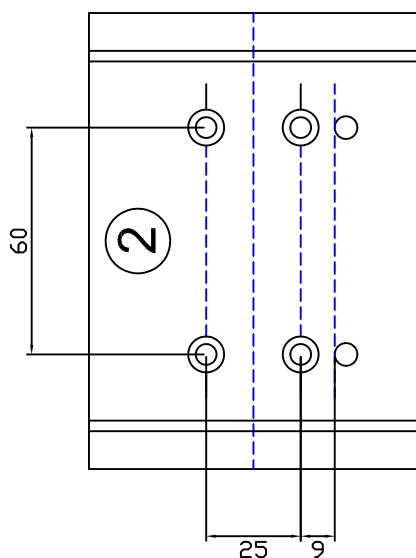
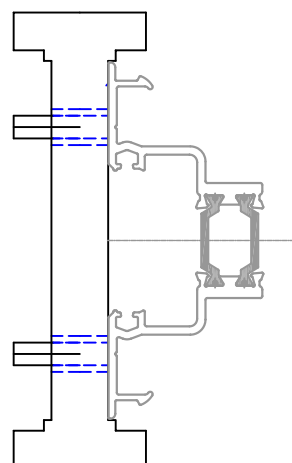
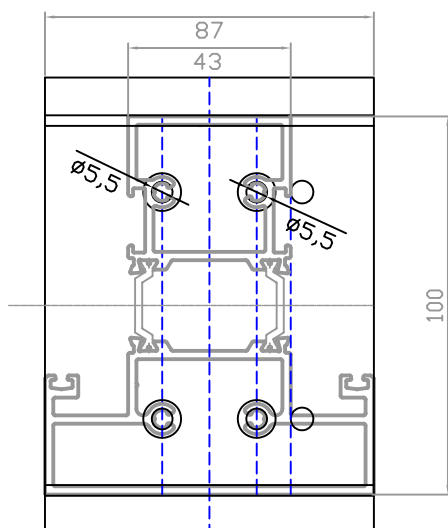
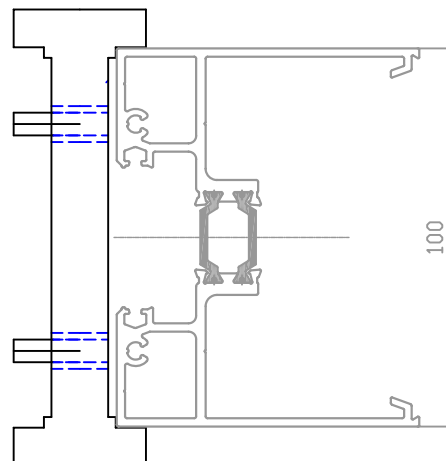
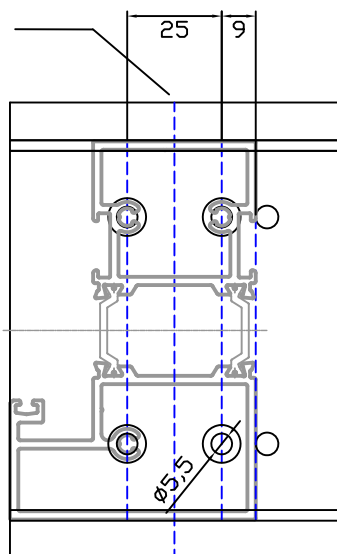
TD136
THERMAL SQUARE THRESHOLD

STEPPED JIGS TO
LOCATE TWO DIFFERENT
WIDTH PROFILES.
DOUBLE SIDED TO
ALLOW FOR ONE
THRESHOLD ON ONE
SIDE AND THE SECOND
ONE ON THE OTHER.

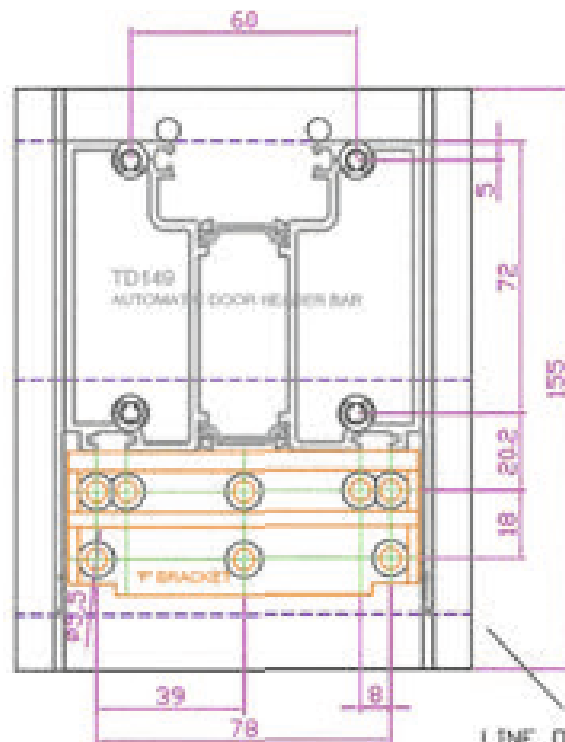
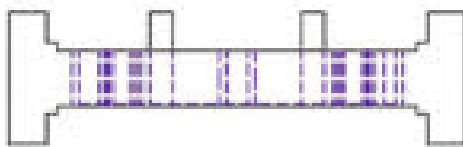
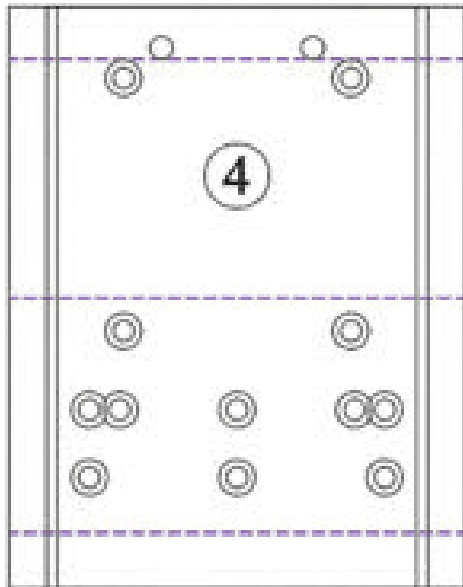


CILL & TRANSOM FIXINGS

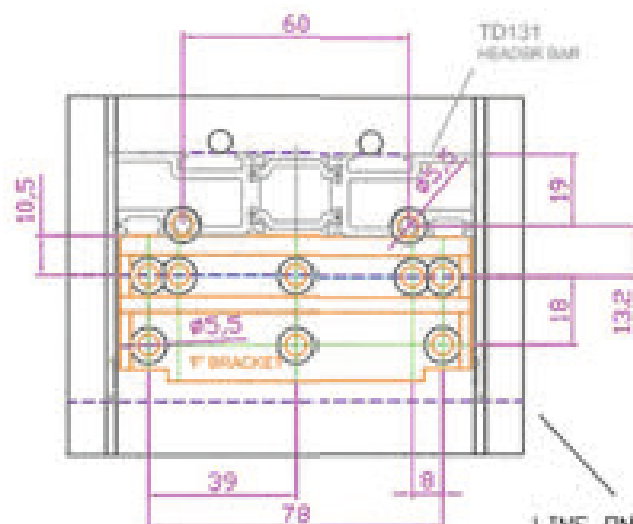
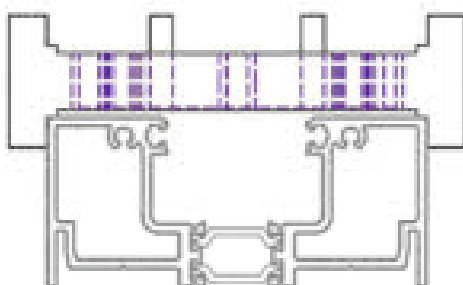
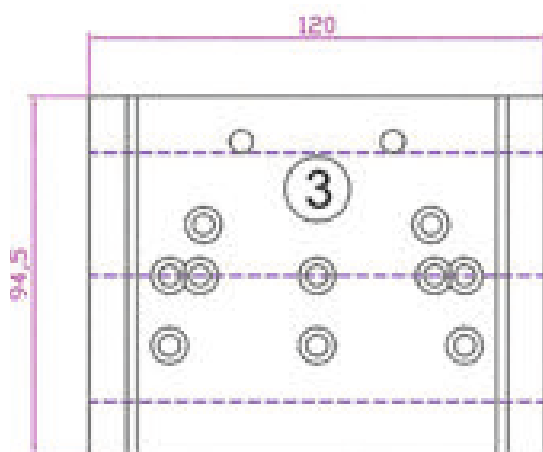
LINE ON FACES OF
JIG TO HELP
LOCATE IT WITH
THE TRANSOM
CENTRE LINE
POSITION ON THE
MULLION.



TRANSOM CLOSER 'F' BRACKET



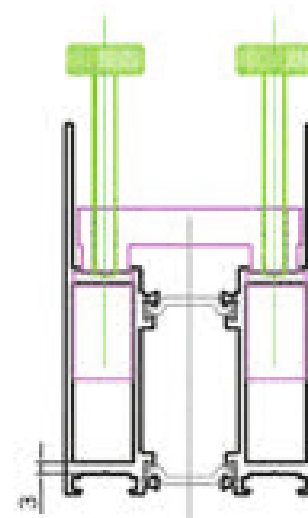
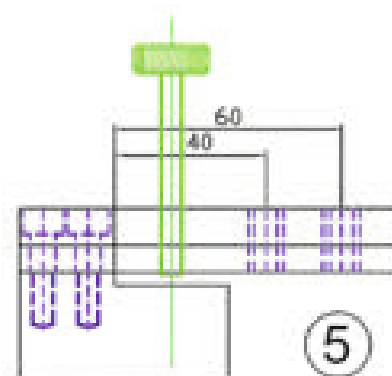
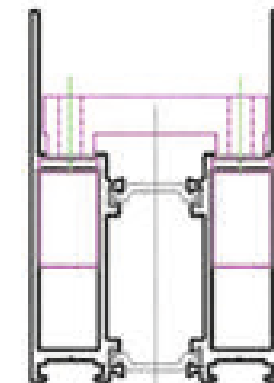
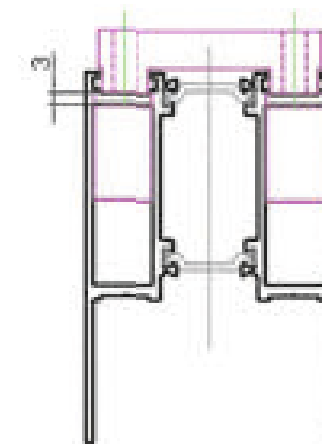
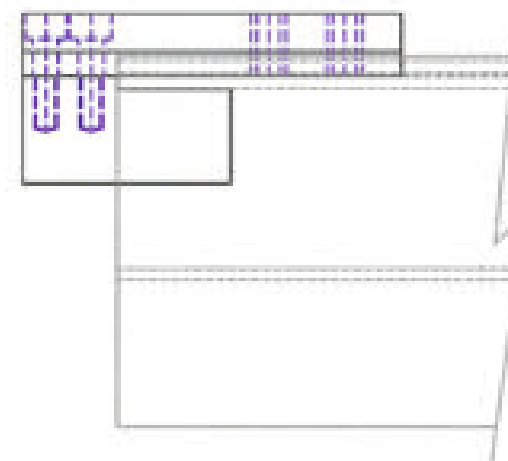
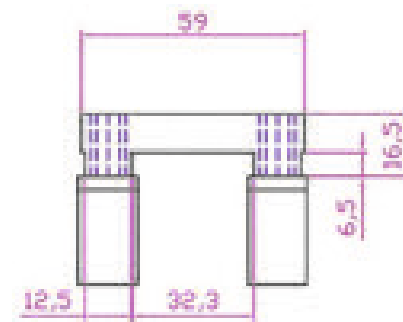
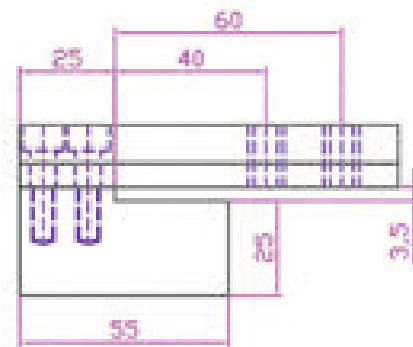
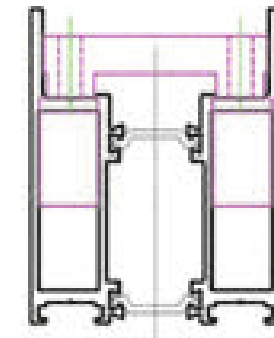
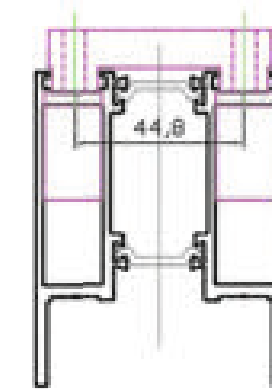
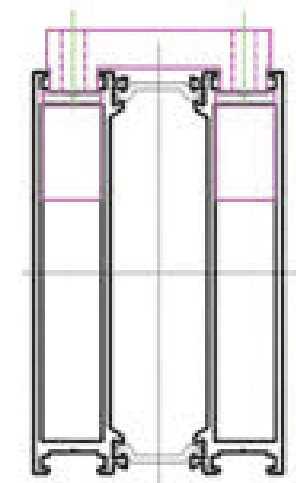
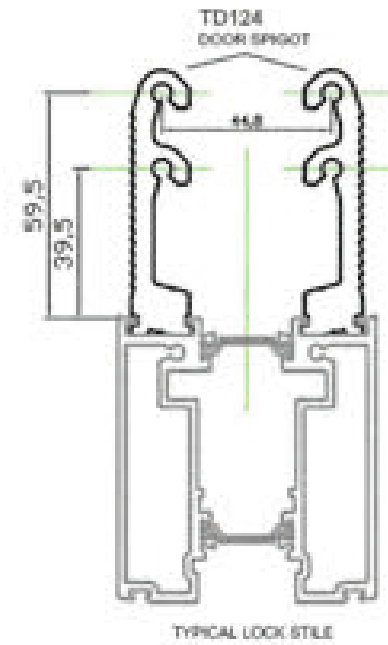
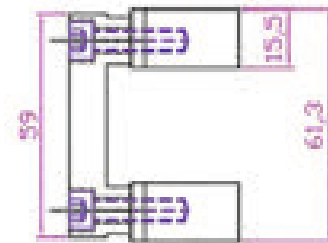
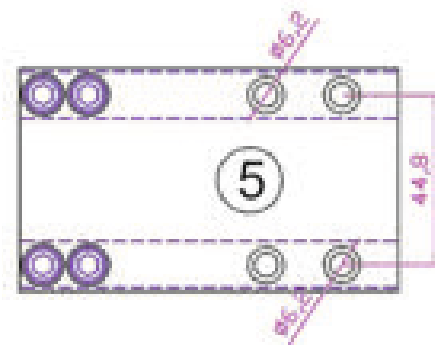
LINE ON FACES OF JIG TO HELP LOCATE IT WITH THE TOP OF THE DOOR OPENING POSITION ON THE MULLION.



LINE ON FACES OF JIG TO HELP LOCATE IT WITH THE TOP OF THE DOOR OPENING POSITION ON THE MULLION.

THE JIG IS REVERSIBLE. ONE SIDE HAS THE PINS TO ACT AS END STOPS TO LOCATE THE 'F' BRACKET AT THE TOP OF THE DOOR FRAME JAMB. THE OTHER SIDE CAN BE USED TO LOCATE THE 'F' BRACKET PART WAY UP A MULLION WHERE THERE MAY BE A FAN LIGHT ABOVE.

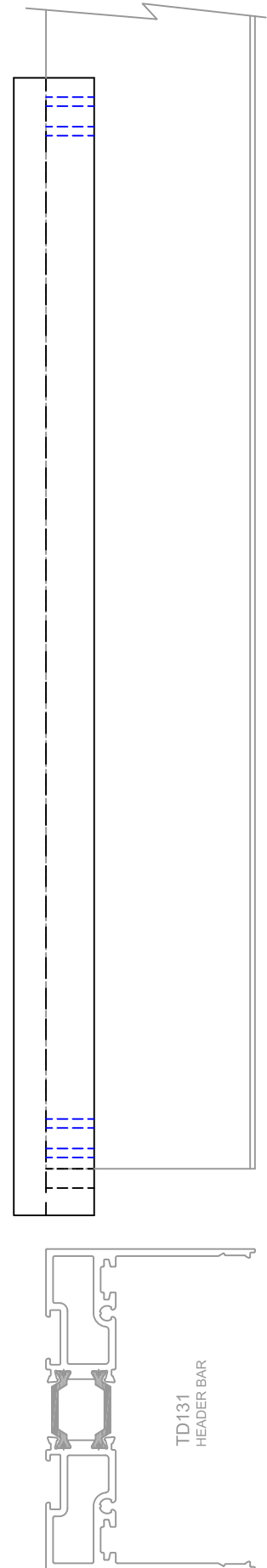
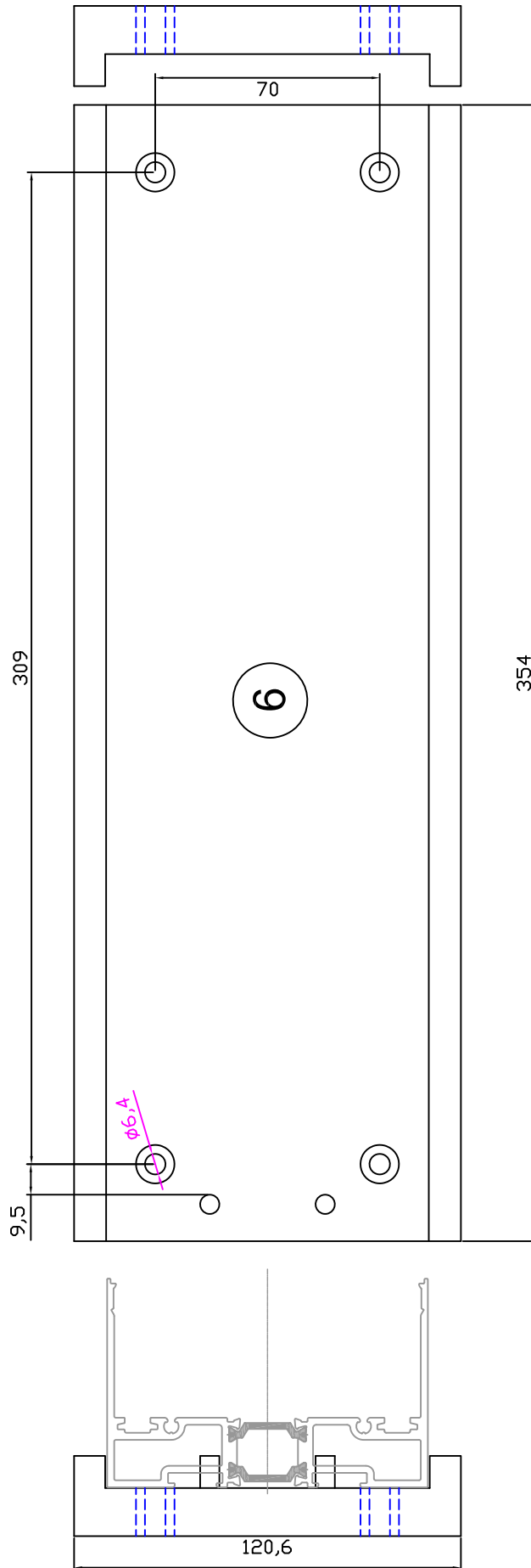
DOOR RAIL SPIGOT FIXINGS



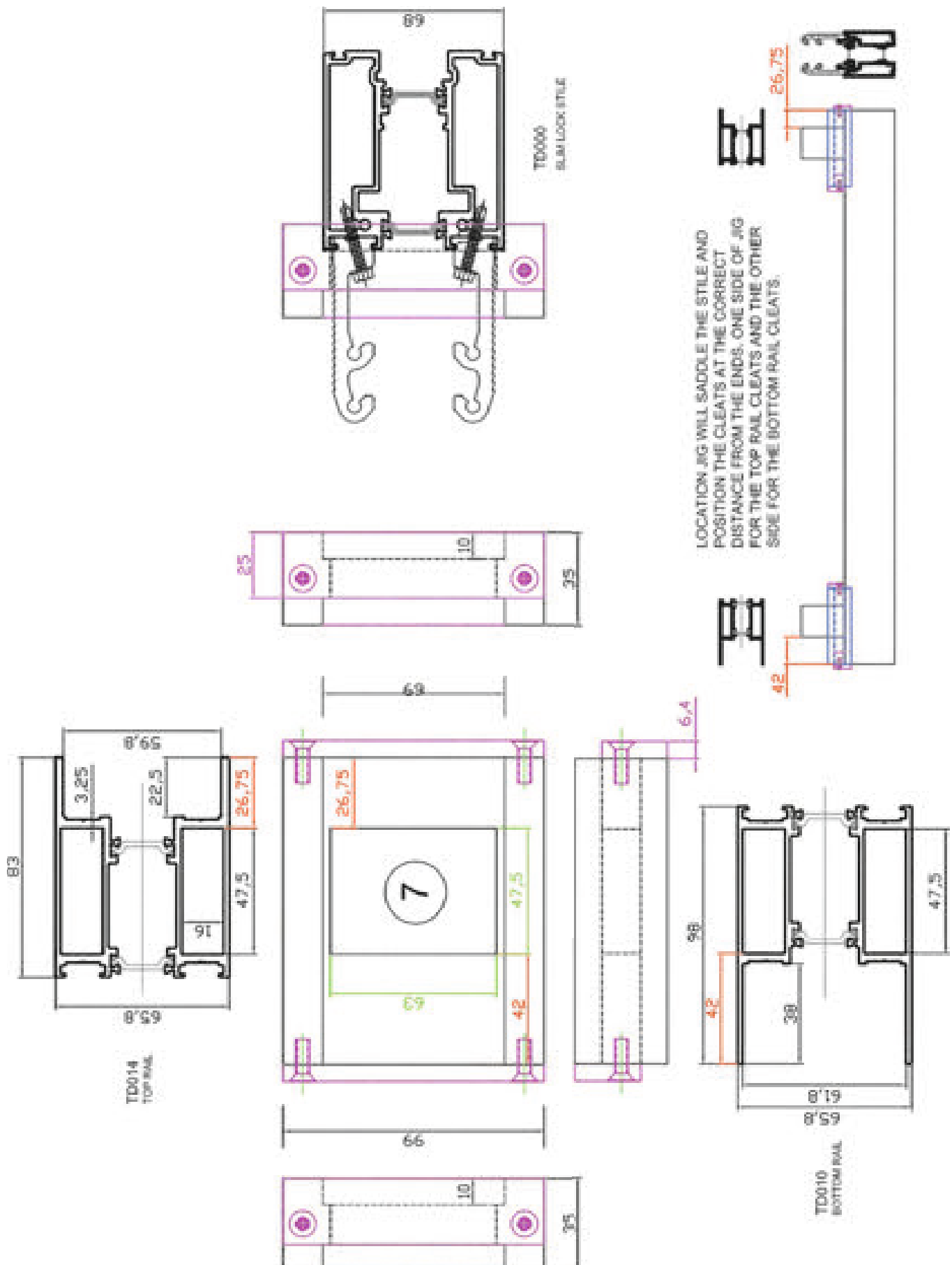
POSSIBLE MOD TO INCLUDE THUMBTURN
CLAMPS TO HOLD JIG IN PLACE

HEADER BAR TRANSOM CLOSER FIXINGS

THIS DIMENSION IS SHOWN AS 9.0 IN THE CLOSER FITTING INSTRUCTIONS BUT THE EXTRA 0.5mm WILL HELP MAKE SURE THE MULLION/HEADER BAR JOINT IS CLOSED WHEN THE FIXINGS ARE TIGHTENED



DOOR RAIL SPIGOT LOCATION



Data and Specifications

FABRICATION

The doors will be manufactured to the tolerances in accordance with BS 4873.

The door leaf corner joint cleats are securely fixed to the stiles and can be fixed to the door rails by either No 12 Self Tapping Screws or M6 Machine Screws. Whilst this gives a very rigid construction it is also possible to add tie bars for extra overall strength.

SECURITY

Products conforming to the PAS24 security standard have been fabricated from the TD68 System. The technical manual details the construction of the various door types, including fitting the hardware. Although the system will accept a wide variety of readily available hardware it is imperative that the tested hardware packages are fitted to ensure performance and to comply with the Q Mark certification.

Note also that the position of the locking elements is important for the structural performance of the door in respect to resisting the loads imposed during the test which simulate unwanted access.

The Adams Rite Sentinel 6 locks should be positioned no more than 700mm from the top and bottom of the door leaf to limit the cantilever effect on the locking points from the test loads imposed on the upper and lower corners of the door leaf. In exceptional circumstances on taller doors this may be increased for the upper locking point when the top of the door will be considered "out of reach" for the 4.5 KN test load, as shown in the PAS24 test report.

A 550mm limit is applied to the Adams Rite Armlock 281 Maglocks for the same reason.

The Adams Rite Sentinel M Panic Lock, with centre latch and three locking points, is fitted as a one-piece mechanism to the door lock stile. The one-piece strike plate supplied with it can be easily mounted on the door jamb using TDA090. This ensures safe operation and compliance with the applicable EN 1125 product standard, as tested by Adams Rite.

Similarly, with the ISEO Multiblindo locks the strikes are mounted using TDA114, as shown in this manual. These locks give secure options for conventional three point locking with panic exit and/or controlled access doors.

THERMAL PERFORMANCE

There is a separate Specification Manual for the TD68 System which details the U Value performance of the doors and framing.

WEATHER PERFORMANCE

The Specification Manual will also detail the weather performance of the system with the low, DDA compliant threshold fitted to the pivot door.

FACTORY PRODUCTION CONTROL

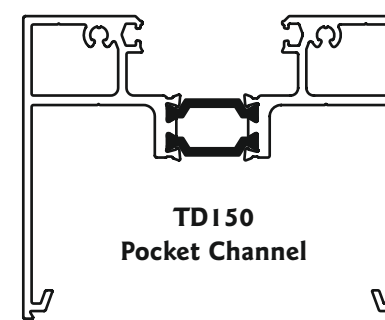
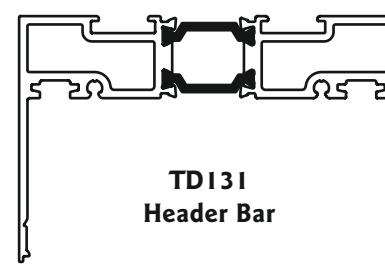
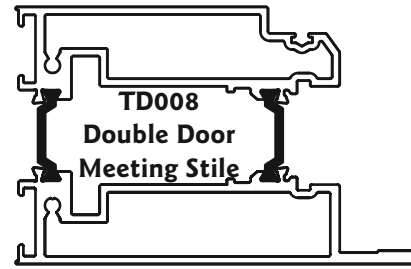
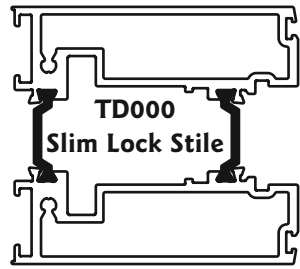
The Jack Aluminium Factory Production Control document should be referred to as a guide to the requirements, not only for CE marking but also the general good practice procedures applicable to the receipt, storage, handling and fabrication of the systems supplied.

INSTALLATION

BS8213-4 Section 8 will give guidelines to the installation of doors and windows. These principles can equally be applied to ground floor treatments.

Each installation is likely to require specific fixing methods to suit the building structure.

Ultimately this is the responsibility of the installer but Jack Aluminium can always assist in checking fixing location, particularly where the structural elements are analysed in Logikal.



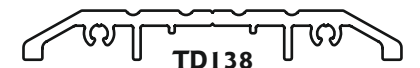
TD134
Thermal Drained Double Ramp Threshold



TD135
Thermal Drained Single Ramp Threshold



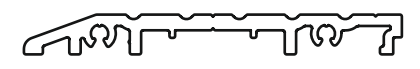
TD136
Thermal Square Threshold



TD138
NT Double Ramp Threshold



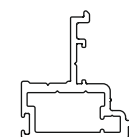
TD137
NT Single Ramp Threshold



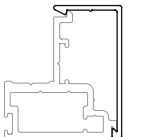
TD161 Low Threshold



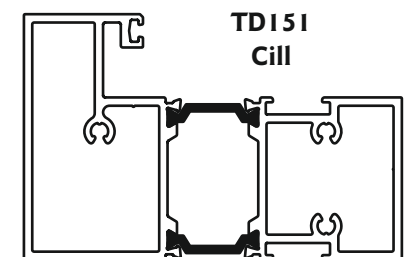
TD162 Low
Threshold Extension



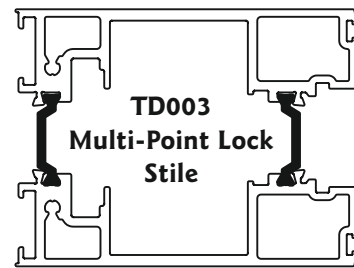
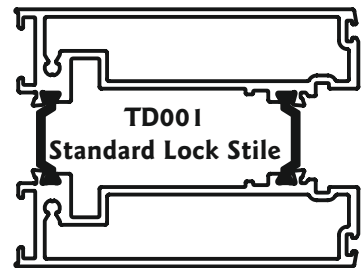
TD160
Rebate Adaptor



JD147
Rebate Adaptor Cover



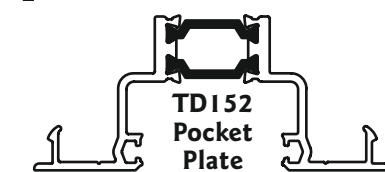
TD151
Cill



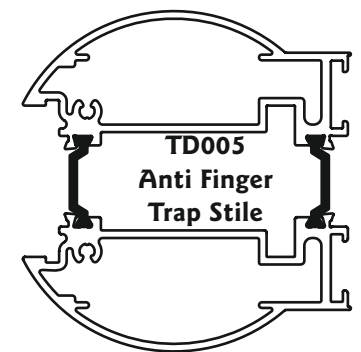
TD121
Fixed Security Bead



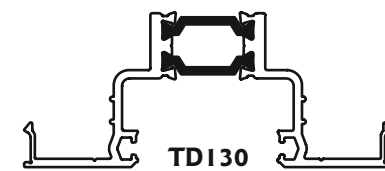
TD132
Header Bar Plate



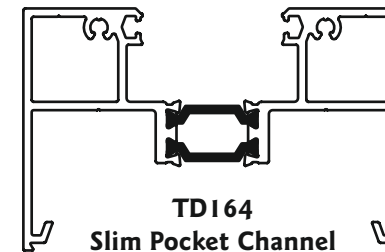
TD152
Pocket Plate



TD158
Triple Glaze Shuffle Bead



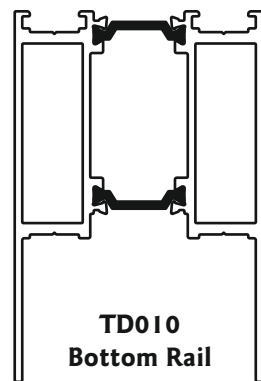
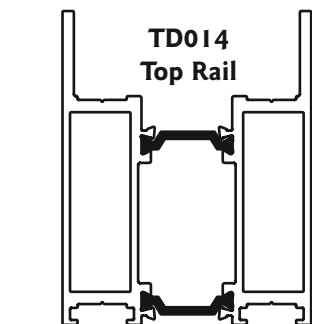
TD130
Header Bar Pocket Plate



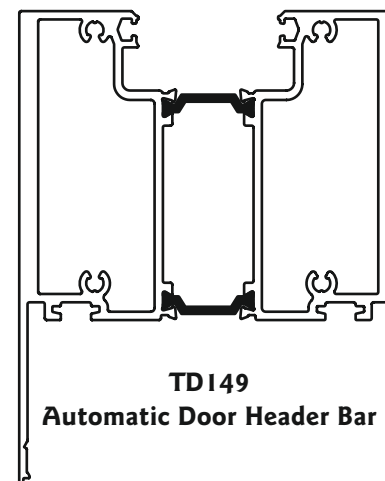
TD164
Slim Pocket Channel



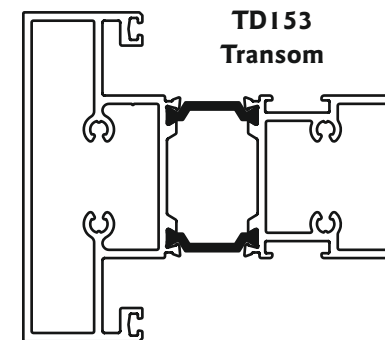
TD165
Shallow Pocket Plate



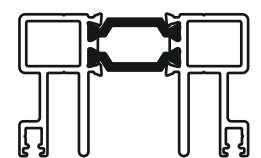
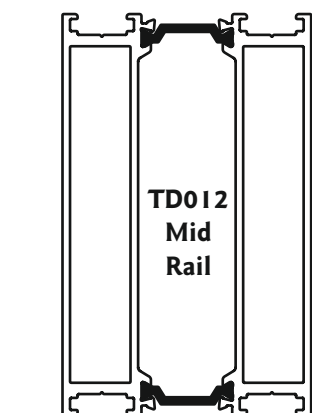
TD159
Triple Glaze Fixed Bead



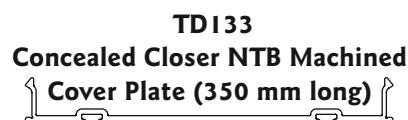
TD149
Automatic Door Header Bar



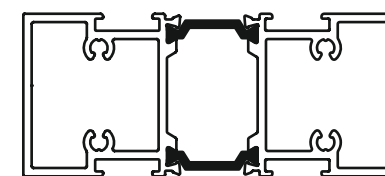
TD153
Transom



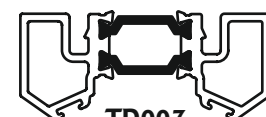
TD125
Slide Door Guide Channel



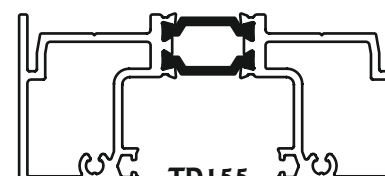
TD133
Concealed Closer NTB Machined
Cover Plate (350 mm long)



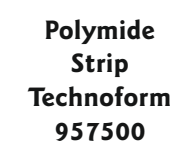
TD154 Double Beaded Transom



TD007
Anti Finger Trap Adaptor



TD155
Slim Door Jamb



Polymide
Strip
Technoform
957500



TDA014
Stile Infill



TDA015
Pocket Closer



TDA016
AFT Connector



TDA017
AFT Stile Infill



TDA018
Hinge Stile
Nosing
Profile

