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**Title:**

The Fire Resistance  
Performance of Insulated,  
Two-Panel, Side and  
Centre-Opening, Lift  
Landing Doorsets  
Referenced Augusta Evo

**WF Assessment Report  
No.**

359081A (Issue 10)

**Prepared for:**

**WITTUR Holding GmbH**

Rohrbachstrasse 26-30  
D-85259 Wiedenzhausen  
Germany

**Date:**

**13<sup>th</sup> January 2016**



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## Executive Summary

<b>Objective</b>	This report presents an appraisal of the fire resistance performance of insulated, two-panel, side and centre-opening, lift landing doorsets referenced Augusta Evo, if subjected to a fire resistance test in accordance with EN 81-58: 2003.
<b>Sponsor</b>	<b>WITTUR Holding GmbH</b>
<b>Address</b>	Rohrbachstrasse 26-30 D-85259 Wiedenzhausen Germany
<b>Authorised Doorset Manufacturers</b>	Wittur S.p.A. (Italy) Wittur Elevator Components S.A.U. (Spain) Wittur Elevator Components (Suzhou) Co. Ltd. (China) Wittur Asansör San. ve Tic. A.S. (Turkey) Wittur S.A. (Argentina) Wittur Ltda. (Brazil) Wittur Elevator Components India Pvt. Ltd. (India) Wittur Austria GmbH (Austria) Wittur S.R.O. (Slovakia) Sematic S.p.A. (Italy) Sematic Elevator Products (Changshu) Co. Ltd. (China)
<b>Summary of Conclusions</b>	It can be concluded that the proposed lift landing doorsets should be capable of providing the required 60 minutes integrity and insulation performance, if subjected to a fire resistance test in accordance with EN 81-58: 2003.
<b>Valid until</b>	1 <sup>st</sup> February 2021

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## Introduction

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This report presents an appraisal of the fire resistance performance of Augusta Evo lift landing doorsets, which shall be similar to that previously fire tested under the reference WF Test No. 306460.

The doorsets are required to provide 60 minutes integrity and insulation performance if subjected to a fire resistance test in accordance with EN 81-58: 2003.

### FTSG

The data referred to in the supporting data section has been considered for the purpose of this appraisal which has been prepared in accordance with the Fire Test Study Group Resolution No. 82: 2001.

## Assumptions

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### General Construction

It is assumed that the general construction of the doorsets and the materials used in the construction will, unless specifically detailed in this report, be identical to those of the assembly tested under the reference WF Test No. 306460.

### Supporting Construction

It is assumed that the doorsets shall be installed within a concrete or masonry supporting construction which is capable of providing adequate support without detracting from the required 60 minutes fire performance. Alternatively, the doorset may be fixed to structural steelwork which is appropriately fire protected for at least the same level of fire performance. Further guidance relating to the installation into structural steelwork is provided within WF Report No. 379283.

### Door Gaps

It is assumed that the door panel clearance gaps shall be similar those of the previously fire tested assembly.

### Installation

It is assumed that the doorsets will be installed by competent installers in a similar manner to that used when installing the fire tested assembly.

### Direction of Exposure

It is assumed that the doorsets are required to provide the designated fire performance when exposed to the heating conditions from the landing face only.





## Proposals

### General

The proposed doorset design shall be based upon the assembly previously fire tested under the reference WF Test No. 306460. It is, however, proposed that the doorset may incorporate various modifications. The proposed options for incorporation on the doorset, which are detailed in the drawings appended to this report, are summarised as follows:

### Side and Centre-Opening Configurations

In addition to the two-panel, side-opening configuration tested, the doorset may also be of a two-panel, centre-opening configuration.

### Door Panel Insulation Materials

It is proposed that the door panels may optionally be insulated **OMISSIS** thick **OMISSIS**. Where preferred, the panels may instead be insulated using the test **OMISSIS**.

### Door Frame Insulation Materials

The door frame will typically be insulated using **OMISSIS** as tested. Where preferred, frames of **OMISSIS** may be insulated **OMISSIS** layers **OMISSIS**.

### Clear Opening Size

It is proposed that the clear opening height and width may fall within the following parameters:

Clear Opening Width	600 – 1200 mm
Clear Opening Height	1800 – 2300 mm

### Panel Construction

The panels may be constructed from profiled mild steel **OMISSIS** **OMISSIS**

### Panel Cladding

Optionally, the panels may incorporate a stainless or mild steel cladding of between **OMISSIS** kness. The cladding shall be bonded to the main panel using **OMISSIS** rivets.

### Interlocks

The interlocking sections fixed to the edges of the door panels may be either riveted in position or fixed using a method **OMISSIS** which does not requires the use of fixings.

### Frame Construction

The door frame shall comprise profiled mild steel of **OMISSIS** stainless steel of **OMISSIS**. The mild steel frame may optionally incorporate a stainless steel cladding of **OMISSIS** thickness, fixed to the frame in a similar manner to the proposed door panel cladding.

### Frame Dimensions

The opening and closing door frame sections may have a width of between 50 and 750 mm wide. The upper frame shall have a height of between 50 and 480 mm.



**Extended Upper Frame**

As an alternative to the above, the upper frame may be further extended to 980 mm height, subject to a maximum clear opening height of 2300 mm. In such cases, the overall height of the doorset (clear opening plus upper frame) is restricted to 3000 mm.

**Floor Indicator Void**

An aperture of OMISSIS maximum dimensions may be incorporated within the upper frame member for the installation of a floor indicator device. This void shall be enclosed by a steel box welded to the reverse face.

**Push Button Void**

The side frame posts may also incorporate a void of 600 mm by 130 mm maximum dimensions for the installation of a push-button device. This void shall also be enclosed by a steel box welded to the reverse face of the frame.

**Frame Installation**

The doorset may be bolted to the shaft face of the wall or alternatively it may be installed inside the wall opening, using integral frame anchors which are embedded within the wall. As an option, the tested frame brackets may be replaced with a retro-fit bracket design.

**Gap Covering Profile**

The doorset may be installed using a OMISSIS profile positioned around the perimeter of the frame. This profile may be used to seal gaps of up to OMISSIS the side frame and OMISSIS the upper frame.

**Grouting Containment Angles**

As an alternative to the above, for situations where the clearance between the wall and door OMISSIS the door frame may be fixed to the wall using continuous angle section. The angle section then provides shuttering for OMISSIS between the frame and wall.

**Fixing Brackets**

The doorset may incorporate alternative upper and lower fixing brackets.

**Sill**

The sill may be constructed from OMISSIS. The sill may be fixed either within the reveal of the wall or may be face fixed such that upper surface of the sill is flush with the structural opening.

**Rollers**

The doorset mechanism may incorporate OMISSIS OMISSIS

**Contacts**

The doorset may include the electrical contacts referenced Steute ES(EEX) 14 AZ 1Ö or AS 03 C 1 A + PA 02 18 W.





## Basic Test Evidence

**WF Report No.  
306460**

A fire resistance test performed in accordance with EN 81-58: 2003 on a specimen of a two-panel, side-opening, lift landing doorset referenced MDS1 Ty. 11/R-L.

The doorset was installed over an aperture within a brickwork wall to give a clear opening size of 2000 mm high by 900 mm wide. The doorset briefly comprised **OMISSIS** door panels with **OMISSIS** steel cladding, fitted within a profiled stainless steel door frame. The door panels and frame were insulated using **OMISSIS**.

The specimen provided 152 minutes integrity and insulation performance after which time the test was discontinued.

## Assessed Performance

**Augusta Evo  
Design**

The proposed Augusta Evo design shall be very similar to the MDS1 design tested under the reference 306460. The report sponsor has confirmed that the two door types are identical with respect to the specification of the door panels and frames. The door panels and frame insulating materials shall also be the same.

The only difference between the two designs relates to the use of a different overhead mechanism.

The proposed mechanism shall be very similar to that of the Augusta range of doorsets (from which the Augusta Evo design derives). An Augusta doorset including this mechanism was previously successfully fire tested under the reference 32301532. This test has demonstrated the ability of an uninsulated two-panel, centre-opening, lift landing doorset referenced Augusta Ty. 01/C to satisfy the integrity performance criteria for the test duration of 126 minutes.

When included on the Augusta Evo design, the mechanism shall include a few further modifications. The changes include a revised lock, a different truck profile **OMISSIS** in truck width, a reduction in **OMISSIS** **OMISSIS** relocation of the synchronisation pulleys and changes in roller dimensions. These revisions have been evaluated and are not expected to have an influence on the fire performance. The proposal also includes the use of a different contact **OMISSIS** has been successfully tested for the required period under the reference WF No. 186797.

It is therefore considered that the change of mechanism from the tested MDS1 design to the proposed Augusta Evo design should not be detrimental to the required period of fire performance.

**Centre-Opening  
Configuration**

The general construction of the centre-opening doorsets shall be the same as the side-opening configuration tested under the reference WF Report No. 306460.

Additional confidence in the fire performance of the doorset when changed to a centre-opening configuration can be gained from the previous fire test performed on an MDS1 doorset of very similar specification to that being proposed, with the exception that no insulating materials were included on the unexposed faces of the frame and door panels. This test, performed under the reference WF Report No. 186797 has demonstrated the ability of this centre-opening doorset to satisfy the integrity criteria for a period of 132 minutes.

It is difficult to directly compare the fire performance of the two configurations based upon these tests, since the incorporation of the insulating materials represents a further variable.

However, a further specimen of an uninsulated MDS1 doorset of identical clear opening size to that tested under the reference WF Report No. 186797, has been subjected to test under the reference WF Report No. 186796. This tested doorset was of a two-panel, side-opening configuration.

Considering the fire performance of both doorsets over a period of 120 minutes, the maximum leakage rate recorded from the uninsulated, two-panel, side-opening doorset was [OMISSIS] the maximum leakage rate recorded within the same period from the uninsulated, two-panel, centre-opening doorset [OMISSIS]

Although there is a very slight difference in leakage performance, it needs to be considered that other variables may have existed such as different panel clearances, etc. In any case, the tests have demonstrated that, even accounting for such variables, the rate of leakage from a centre-opening doorset vary by [OMISSIS]

Since the maximum recorded leakage from the insulated, two-panel, side-opening doorset tested under the reference WF Report No. 306460 was [OMISSIS] predicted that the leakage from a centre-opening doorset of identical specification should not exceed [OMISSIS]

The proposed two-panel, centre-opening configuration may therefore be positively appraised.



**Door Panel  
Insulation  
Materials**

The specimen tested under the reference WF No. 306460 was designed to satisfy the integrity and insulation performance criteria of EN 81-58: 2003 for a period of 120 minutes. The specimen actually satisfied these criteria for a much longer period of 152 minutes.

For a reduced fire performance of 60 minutes integrity and insulation, it is proposed that the door panels may be insulated using **OMISSIS**  
**OMISSIS**

The test referenced 11/2983-1117 was performed in accordance with EN 81-58: 2003 on a specimen of a two-panel, side-opening, lift landing doorset referenced 3201-Hydra 3000 SLIM, ty. 11/R.

The door panels of this tested doorset were insulated on the unexposed face (shaft face) with the proposed **OMISSIS**. This test has demonstrated the ability of the proposed door panel insulation to contribute to an insulation performance of at least 60 minutes when used in a similar application.

The use of the proposed alternative door panel insulation material for a reduced fire performance of 60 minutes may therefore be positively appraised.

Regardless of the above, where preferred, the panels may still be insulated using the tested **OMISSIS**.

**Door Frame  
Insulation  
Materials**

The door frame will typically be insulated using **OMISSIS** as tested, but where preferred, frames of 299 mm width or less may be insulated with **OMISSIS**.

This alternative solution was previously included on the side frame of a doorset previously fire tested in accordance with EN 81-58, under the reference WF Report No. 198200. After the required period of 60 minutes, the temperature rise of this frame **OMISSIS** solution is therefore suitable for applications where the frame width does not exceed 299 mm, the temperature rise limit being 360 °C for frames not exceeding this width.

Subject to this size restriction, this alternative solution may be positively appraised.

**Clear Opening  
Size**

The doorset has previously proven its ability to provide the required 120 minutes integrity performance at a clear opening size of 2000 mm high by 900 mm wide.

In accordance with the Direct Field of application included within EN 81-58: 2003, these successfully tested dimensions provide coverage for doorsets having a clear opening width of between 630 and 1170 mm and a clear opening height of up to 2300 mm.



EN 81-58: 2003 requires that the recorded leakage from the doorset shall not **OMISSIS** Throughout the previous test duration of 132 minutes the maximum recorded leakage from the doorset **OMISSIS** significantly less than the maximum required to cause integrity failure.

Based upon the relatively low level of leakage recorded throughout the previous fire test it is not expected that a further **OMISSIS** tion in the range permitted under the direct field of application should not be detrimental to the required 60 minutes fire performance.

The proposed clear opening size range of between 600 and 1200 mm wide and between 1800 and 2300 mm high may therefore be positively appraised.

#### Door Panel Cladding

The tested doorset has demonstrated its ability to provide the required 60 minutes integrity performance when incorporating do **OMISSIS**  
**OMISSIS**

The proposal requires the optional omission of this cladding or the use of a  
**OMISSIS**

The cladding is fixed to the door panels using **OMISSIS**  
**OMISSIS** Due to the thermo-softening nature of both the cladding and the rivets at the temperatures to which they shall be exposed during the early stages of a fire test, it is expected that the cladding will separate from the panels at a relatively early stage of the test and will have very little influence on the behaviour of the door panels.

Further confidence to support the omission of the cladding may be gained from a separate test performed in accordance with EN 81-58: 2003 on a specimen of an uninsulated, two-panel, centre-opening, MDS1 doorset, the details of which are provided within WF Report No. 186797.

Apart from the bi-parting method of opening and the omission of the insulation boards from the doorset, this specimen was constructed in an almost identical manner to the side-opening doorset being considered within this report. One further difference was that the **OMISSIS** door panels did not incorporate a stainless steel cladding.

This test has demonstrated the ability of the uninsulated, unclad steel door panels to contribute to an integrity performance of 132 minutes after which time the test was discontinued.

The optional omission of the cladding may therefore be positively appraised.

It is further proposed that the cladding may be optionally reduced from **OMISSIS** Given that the performance of the doorset has been proven both with and without the cladding, it is not anticipated that such a minor deviation in cladding thickness will detract from the required fire performance.





Although there is no test evidence to support the use of **OMISSIS** on the basis that the rate of expansion of a mild steel cladding would be more similar to that of the mild steel door panels, the risk of differential expansion and distortion of the panels is greatly reduced. The optional change to a mild steel cladding of the same thickness range previously discussed may therefore be positively appraised.

#### **Door Panel Steel Thickness**

It is proposed that the thickness of the main door panel construction may optionally be **OMISSIS**

It is expected that an increase in the steel thickness will result in a slightly more rigid door construction which is less conducive to thermally induced deformation.

The HYDRA doorset fire tested in accordance with EN 81-58: 2003 under the reference WF Report No. 146787 comprised door panels of a 1.8 mm thick steel construction. Although this separately tested doorset originates from a different product range than the MDS1 doorset being considered within this report, this test nevertheless provides confidence in the ability of door panels of a thicker construction to perform satisfactorily and to contribute to the required 60 minutes integrity performance.

The proposed optional increase in steel thickness to a **OMISSIS** may therefore be positively appraised.

The proposal also includes an option for the stiffener sections to be rotated **OMISSIS** this does not alter the specification of the door and is not expected to influence the rigidity of the panel, this proposed minor modification may be positively appraised.

#### **Interlocks**

The doorset tested under the reference WF Report No. 306460 incorporated interlocking sections to the panel edges which were riveted in position.

The MDS1 doorset previously fire tested in accordance with BS 476: Part 22: 1987 under the reference WF Test Report No. 192125 incorporated two door panels. The interlocking section fixed to one door panel was riveted and the section to the other panel was fixed using the 'clinging' method.

Throughout the test, both sections remained attached to the door panels. Although this test was performed in accordance with a different test method to that being considered, this nevertheless demonstrates the suitability of both fixing methods for the required period of fire performance.

It is therefore considered that both methods of fixing these sections should be suitable for the required application.

#### **Door Frame Construction**

The door frame of the assembly tested under the reference WF Report No. 306460 comprised **OMISSIS**.



The door frame of the uninsulated MDS1 doorset tested under the reference WF Report No. 186796 comprised OMISSIS As previously discussed in this report, the MDS1 is identical to the Augusta Evo being considered with the exception of the mechanism.

The previous fire tests have therefore demonstrated the suitability of both stainless and mild steel frames at the minimum thickness required. The proposal for the stainless steel thickness to be OMISSIS in a more rigid door frame construction which can only be beneficial to the fire performance.

It has already been considered within this report that the previous tests have demonstrated no detrimental influence on the behaviour of the door panels by the incorporation of the stainless steel cladding. The door panels incorporated within both tested specimens exhibited a similar level of deformation.

The incorporation of a stainless steel cladding on the door frame sections, fixed in a similar manner to the stainless steel cladding which may optionally be included on the door panels, is therefore not expected to detract from the required fire resistance performance.

## Door Frame Dimensions

The doorset fire tested under the reference WF Report No. 306460 incorporated 120 mm wide frame posts. It is proposed that the frame width may fall within a range of between 50 and 750 mm.

It is expected that a reduction in frame size to 50 mm will have little influence on the overall fire performance. A reduction in frame size should reduce the tendency for deflection across its width. For frames of 100 mm or less, EN 81-58: 2003 does not require the frame temperature to be recorded. However, since the tested assembly included insulation within the frame, it is considered necessary to include this within frames of all sizes to reduce heat conduction and radiation to the adjacent door panel.

A larger frame width (i.e. up to 750 mm as proposed) may be slightly more conducive to thermally induced deformation.

A specimen from the Augusta range of doorsets has been previously successfully fire tested in accordance with EN 81-58: 2003 and achieved 120 minutes integrity performance under the reference 06/32301532. This tested doorset incorporated a 650 mm wide door frame adjacent to one edge of the door. Observations contained within the report do not highlight any concerns in relation to the behaviour of the extended frame post throughout the fire resistance test.

The fire test evidence to support the similarly constructed Augusta doorset when incorporating a frame of close to the maximum width proposed, provides sufficient confidence to justify the proposed increase in size.

It is therefore considered that the proposed modified frames should be capable of contributing to the required 60 minutes integrity and insulation performance.



### Extended Upper Frame

It is proposed that the height of the upper frame may be further extended to 980 mm. In such instances, the overall height of the doorset (clear opening height plus upper frame height) is restricted to a maximum of 3000 mm.

Where the upper frame height is maximised at 980 mm, the clear opening height will therefore be restricted to a maximum 2020 mm.

Although the proposal requires a significant increase in frame height compared with that previously appraised, this is deemed to be more than adequately offset by the restriction on clear opening height. For instance, a frame of 970 mm height will be slightly more conducive to deformation compared with the 300 mm frame previously appraised. It is, however, considered that the 280 mm reduction in clear opening height will be more influential in reducing the overall rate of leakage from the doorset.

The proposed increase in the upper frame height, subject to a restriction on the overall height of the doorset of 3000 mm, may be positively appraised.

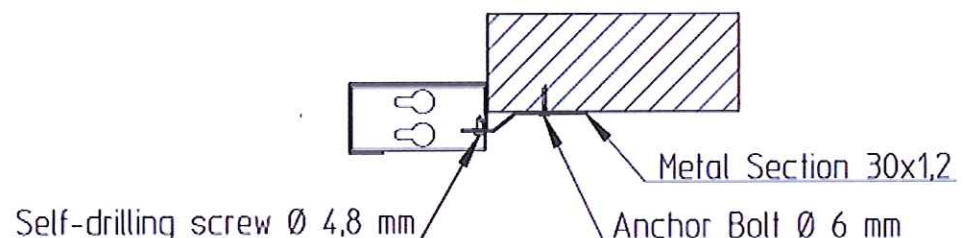
### Floor Indicator and Push Button Void

It is proposed that the frame sections may incorporate a rectangular void for the installation of a floor level indicator (upper frame) or push-button device (side-frames). These voids shall be fully enclosed on the shaft face by a steel box and the incorporation of such a void will therefore not permit increased leakage from the doorset nor is it likely to increase the risk of flaming at this position.

### Doorset Installation

The tested doorset was installed flush against the shaft face of wall construction and fixed to the wall at the bracket positions. The outer edges of the frame sections coincided with the reveal edge of the wall opening. A variation on this method of installation requires that the outer edges of the frame may overlap the wall construction. This can only be beneficial in preventing the formation of through gaps around the doorset.

As an alternative to the tested bracket design, the frames may include a retrofit design at identical positions, as shown below. This design of bracket would be expected to perform in a similar manner to that of the tested design



Another variation requires the doorset to be fitted inside the opening of the wall with the brackets recessed into the wall construction at identical positions to where the doorset was fixed for the previous test.



It is expected that the concealment of the fixing brackets within the wall construction should provide as secure a method of fixing as the bolt fixed method.

All proposed variations on the tested method of installation may therefore be positively appraised.

### **Gap Covering Profile**

The proposal also includes an option for the incorporation of an adjustable gap covering profile between the wall and frame, where the frame is mounted inside the wall opening.

The profile is of all steel construction and provides increased tolerance for the installation of the doorset, without the necessity to infill the frame to construction gap after installation.

Further confidence in the proposal can be gained by its use in a previous fire test to the French national test method under the reference CTICM 00-A-232. Although this test method is based around entirely different principles to EN 81-58: 2003, the test does provide additional confidence in the ability of the system to perform effectively under fire resistance test conditions.

As a variation to the above, it is proposed that the profile may be fixed using an adjustable screw to enable a more precise installation. The inclusion of these screws is not expected to influence the fire performance and may therefore be positively appraised.

### **Grouting Containment Angles**

Alternatively, where the clearance between the wall OMISSIS OMISSIS frame may be fixed to the wall using continuous angle section. The angle section then provides shuttering for a cement infill between the frame and wall.

This method of installation is considered to be advantageous to the fire performance. The fixing positions shall be identical to that of the tested doorset but the continuous steel angle and cement infill provide an additional obstruction to leakage from between the doorset and wall.

A fire resistance test has been performed in accordance with EN 81-58 on a different doorset to that being considered in this report, installed using this proposed method. This test, referenced RTE1232/05, has demonstrated the ability of this installation method to contribute to the required integrity performance of 60 minutes.

Although the aforementioned test does not provide direct test evidence for the proposed door type, this provides sufficient confidence that the proposed method of installation will not detract from the fire performance of a similar type of door. The proposed installation method may therefore be positively appraised.



**Sill**

The tested doorset incorporated an aluminium sill. It is proposed that the sill may also be constructed from stainless steel.

Stainless steel has a higher melting point than aluminium and should therefore be capable of remaining intact and providing at least the same degree of restraint to the panels as the tested aluminium sill.

The proposal also includes an option for the sill to be positioned such that it is aligned with the lower edge of the structural opening. This modification also requires slight changes to the sill support system. The modified support system is, however, still expected to be capable of supporting the weight of the sill throughout the required period of 60 minutes.

**Alternative Fixing Brackets**

The proposal requires a slight change to the brackets used to fix the upper and lower edges of the doorset to the wall. The changes are only minor and, as such, should not detract from the required fire performance.

**Rollers**

The rollers of the tested door comprised **OMISSIS** **OMISSIS** centre-opening doorset fire tested under the reference WF Report No. 186797 incorporated **OMISSIS** rollers. Both types of roller have therefore proven to be suitable for use.

The proposal also includes an option for **OMISSIS** to be used. Since neither of these types of roller shall present a risk of flaming, there is little perceived risk with the substitution of the tested plastic rollers for either of these metallic types.

Furthermore, since the metallic rollers possess a higher melting point than the plastic rollers tested, they would be expected to provide support to the panels for at least the same duration.

The fire test detailed within WF Report No. 146787 was performed in accordance with EN 81-58: 2003 on a specimen of an uninsulated, six-panel, centre-opening, doorset from the Hydra series. This doorset incorporated nylon rollers.

Although this tested doorset was of a different type to that being considered within this report, the test has nevertheless demonstrated the ability of the proposed nylon rollers to contribute to at least 120 minutes integrity performance when used on a similar uninsulated doorset.

An uninsulated doorset incorporating the proposed **OMISSIS** has demonstrated its ability to provide 132 minutes integrity performance when tested to BS 476: Part 22: 1987. Although this doorset, tested under the reference WARRES No. R11773, was not subjected to the same test method as proposed (EN 81-58: 2003), the report does provide a firm indication that rollers of the type proposed are not susceptible to flaming.



An uninsulated doorset incorporating the proposed **OMISSIS** **OMISSIS** demonstrated its ability to provide 125 minutes integrity performance when tested to EN 81-58: 2003. This test is therefore deemed to provide direct evidence regarding the ability of these rollers to contribute to the fire performance of a similarly constructed door.

### Contacts

It is proposed that contact switches referenced AS 03 C 1 A + PA 02 18 W and Steute ES(EEX) 14 AZ 1Ö may be included on the door.

The AS 03 C 1 A + PA 02 18 W contact was incorporated on an uninsulated Augusta Evo doorset tested under the reference WF Report No. 370995. The Steute ES(EEX) 14 AZ 1Ö was tested under the reference WF Report No. 146789 on the three-panel, insulated doorset. These tests have demonstrated the ability of the contacts to contribute to an integrity performance of 120 minutes.

Since the proposed contacts have demonstrated that they do not pose a risk of flaming when included on similar types of doorsets, their use on the proposed doorset may be positively appraised.

### Console Variant

The console variant comprises a pre-assembled version of the tested solution which is then installed as a complete unit. The manufacturer has declared that this variation required no physical changes to the specification or method of fixing to the structure. As such, no change to the fire performance is anticipated.

## Conclusions

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It can be concluded that the proposed lift landing doorsets should be capable of maintaining the required 60 minutes integrity and insulation performance, if subjected to a fire resistance test in accordance with EN 81-58: 2003.

## Validity

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This assessment is issued on the basis of test data and information available at the time of issue. If contradictory evidence becomes available to Exova Warringtonfire the assessment will be unconditionally withdrawn and WITTUR Holding GmbH will be notified in writing. Similarly the assessment is invalidated if the assessed construction is subsequently tested because actual test data is deemed to take precedence over an expressed opinion. The assessment is valid initially for a period of five years i.e. until 1<sup>st</sup> February 2021, after which time it is recommended that it be returned for re-appraisal.

The appraisal is only valid provided that no other modifications are made to the tested construction other than those described in this report.



## Summary of Primary Supporting Data

**WF Report No.  
306460**

A fire resistance test performed in accordance with EN 81-58: 2003 on a specimen of a two-panel, side-opening, lift landing doorset referenced MDS1 Ty. 11/R-L.

The doorset was installed over an aperture within a brickwork wall to give a clear opening size of 2000 mm high by 900 mm wide. The doorset briefly comprised [OMISSIS] steel cladding, fitted within a [OMISSIS] door frame. The door panels and frame were insulated using [OMISSIS]

The specimen provided [OMISSIS] and insulation performance after which time the test was discontinued.

Test date : 28<sup>th</sup> September 2011

Test sponsor : Wittur S.p.A.

**WF Report No.  
186796**

A fire resistance test performed in accordance with EN 81-58: 2003 on a specimen of a two-panel, side-opening, lift landing doorset referenced MDS1 Type 11/R-L.

The doorset was installed over an aperture within a brickwork wall to give a clear opening size of 2100 mm high by 900 mm wide. The doorset briefly comprised [OMISSIS] door panels with a [OMISSIS] [OMISSIS] within a profiled mild steel door frame.

The specimen provided [OMISSIS] performance after which time the test was discontinued.

Test date : 7<sup>th</sup> October 2009

Test sponsor : Wittur S.p.A.

**WF Report No.  
186797**

A fire resistance test performed in accordance with EN 81-58: 2003 on a specimen of a two-panel, centre-opening, lift landing doorset referenced MDS1 Type 01/C.

The doorset was installed over an aperture within a brickwork wall to give a clear opening size of 2100 mm high by 900 mm wide. The doorset briefly comprised OMISSIS door panels fitted within a profiled mild steel door frame.

The specimen provided OMISSIS performance after which time the test was discontinued.

Test date : 9<sup>th</sup> October 2009

Test sponsor : Wittur S.p.A.

**Report No.  
06/32301532**

A fire resistance test performed in accordance with EN 81-58: 2003 on a specimen of a two-panel, centre-opening, lift landing doorset referenced Augusta Type 01/C.

The doorset was installed over an aperture within a brickwork wall to give a clear opening size of 2000 mm high by 800 mm wide. The doorset briefly comprised mild steel door panels fitted within a profiled mild steel door frame.

The specimen provided OMISSIS performance after which time the test was discontinued.

Test date : 31<sup>st</sup> October 2006

Test sponsor : Wittur Elevator Components S.A.

**WF Report No.  
146787**

A fire resistance test performed in accordance with EN 81-58: 2003 on a specimen of a six-panel, centre-opening, lift landing doorset.

The doorset was installed over an aperture within a brickwork wall to give a clear opening size of 2500 mm high by 2000 mm wide. The doorset was referenced 'Selcom Series 3201-Hydra Ty. 61/C'. The door panels were fabricated from OMISSIS

The specimen provided OMISSIS performance.

Test date : 16<sup>th</sup> June 2005

Test sponsor : Wittur S.p.A.

**CTICM 00-A-232**

A fire resistance test performed in accordance with l'Arrete du 03 Aout 1999 du Ministere de l'Interieur on a specimen of a two-panel, centre-opening, lift landing doorset.

The doorset was installed over an aperture within a wall to give a clear opening size of 2000 mm high by 800 mm wide. The door panels were fabricated from **OMISSIS** The side frames were fixed to the supporting construction using an adjustable gap covering profile.

The specimen provided **OMISSIS** resistance performance.

Test date : 10<sup>th</sup> February 2000

Test sponsor : Selcom S.p.A. (now Wittur S.p.A.)

**WARRES No.  
R11773**

A fire resistance test performed in accordance with BS 476: Part 22: 1987 on a specimen of a two-panel, side-opening, lift landing doorset.

The doorset was installed over an aperture within a brickwork wall to give a clear opening size of 2000 mm high by 1200 mm wide.

The specimen provided **OMISSIS** performance.

Test date : 9<sup>th</sup> March 1995

Test sponsor : Selcom S.p.A. (now Wittur S.p.A.)

**Report No.  
08/32309570**

A fire resistance test performed in accordance with EN 81-58: 2003 on a specimen of a two-panel, side-opening, lift landing doorset referenced Augusta Type 11/R-L.

The doorset was installed over an aperture within a brickwork wall to give a clear opening size of 2200 mm high by 1000 mm wide. The doorset briefly comprised mild steel door panels with stainless steel cladding fitted within a profiled mild steel door frame.

The specimen provided **OMISSIS** performance after which time the test was discontinued.

Test date : 8<sup>th</sup> July 2008

Test sponsor : Wittur Elevator Components S.A.



**WF Test Report  
No. 192125**

A fire resistance test performed in accordance with EN 81-58: 2003 on a specimen of a two-panel, centre-opening, lift landing doorset referenced MDS1 Ty. 01/C.

The doorset was installed within a 2270 mm high by 1800 mm wide opening within a masonry wall construction. The specimen had a clear opening size of 2100 mm high by 900 mm wide. The doorset was faced fixed to the unexposed surface of the wall such that the landing side was exposed to the heating conditions of the test.

The specimen provided OMISSIS performance after which time the test was discontinued.

Test date : 7<sup>th</sup> May 2010

Test sponsor : Wittur S.p.A.

**RTE1232/05**

A fire resistance test performed in accordance with EN 81-58: 2003 on a specimen of a two-panel, side-opening, lift landing doorset.

The doorset was installed over an aperture within a brickwork wall to give a clear opening size of 2100 mm high by 1100 mm wide.

The specimen provided OMISSIS performance after which time the test was discontinued.

Test date : 10<sup>th</sup> February 2005

Test sponsor : Kone Industrial Ltd. (who have provided permission for the use of this report)

**09/100536-2355**

A fire resistance test performed in accordance with EN 81-58: 2003 on a specimen of a two-panel, side-opening Augusta lift landing doorset.

The doorset had a clear opening size of 2000 mm high by 800 mm wide and included a closing frame with an integrated lift control system.

The specimen satisfied the integrity performance criteria for a period of OMISSIS The test was discontinued after a period of 120 minutes.

Test date : 23<sup>rd</sup> December 2009

Test sponsor : Wittur Elevator Components S.A.



**WF Test Report  
No. 198200**

A fire resistance test performed on a two-panel, glazed centre-opening, lift landing doorset, when tested in accordance with EN 81-58: 2003.

The doorset, which incorporated two glazed, stainless steel clad door panels, was installed over an aperture within a brickwork wall to give a clear opening size of 2000 mm high by 900 mm wide. The doorset was mounted such that the landing side was exposed to the heating conditions of the test.

The specimen satisfied the integrity performance criteria for a period of **OMISSIS** was discontinued after **OMISSIS**

Test date : 15<sup>th</sup> December 2010

Test sponsor : Wittur SpA

**WF Report No.  
146789**

A fire resistance test performed in accordance with EN 81-58: 2003 on a specimen of an insulated, three-panel, side-opening, lift landing doorset.

The doorset was installed over an aperture within a brickwork wall to give a clear opening size of 2500 mm high by 2500 mm wide. The doorset was referenced 'Selcom Series 3201-Hydra Ty. 31/R'. The door panels were fabricated from **OMISSIS** face with a proprietary insulation board.

The specimen provided 132 minutes integrity and 79 minutes insulation performance.

Test date : 17<sup>th</sup> June 2005

Test sponsor : Wittur S.p.A.

**WF Test Report  
No. 370995**

A fire resistance test performed in accordance with EN 81-58: 2003 on a specimen of an insulated two-panel, side-opening, lift landing doorset referenced AUGUSTA EVO.

The doorset was installed over an aperture within a brickwork wall to give a clear opening size of 2400 mm high by 1400 mm wide.

The specimen provided **OMISSIS** and insulation performance. The test was discontinued after a period of 121 minutes

Test date : 5th October 2016

Test sponsor : Wittur Holding GmbH

## Declaration by WITTUR Holding GmbH

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We the undersigned confirm that we have read and complied with the obligations placed on us by the UK Fire Test Study Group Resolution No. 82: 2001.

We confirm that the component or element of structure, which is the subject of this assessment, has not to our knowledge been subjected to a fire test to the Standard against which the assessment is being made.

We agree to withdraw this assessment from circulation should the component or element of structure be the subject of a fire test to the Standard against which this assessment is being made.

We are not aware of any information that could adversely affect the conclusions of this assessment.

If we subsequently become aware of any such information we agree to cease using the assessment and ask Exova Warringtonfire to withdraw the assessment.

Signed:



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For and on behalf of:

Wittur Holding GmbH

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## Signatories

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Responsible Officer

D Hankinson\* - Principal Certification Engineer



Approved

A Kearns \* - Technical Manager

\* For and on behalf of Exova Warringtonfire.

Report Issued: 13<sup>th</sup> January 2016

Issue 2: Editorial changes to clarify that the tested door panel insulation may still be used as an option (1<sup>st</sup> February 2016)

Issue 3: Corrections to drawings and inclusion of alternative frame insulation option (25<sup>th</sup> February 2016)

Issue 4: Further update to drawings (25<sup>th</sup> February 2016)

Issue 5: Minor update to one drawing (4<sup>th</sup> March 2016)

Issue 6: Minor update to one drawing (10<sup>th</sup> March 2016)

Issue 7: Inclusion of additional contact switches and retro fit bracket design (8<sup>th</sup> December 2016)

Issue 8: Minor corrections (14<sup>th</sup> December 2016)

Issue 9: Change to one drawing (19<sup>th</sup> December 2016)

Issue 10: Several revisions to scope and drawings (7<sup>th</sup> November 2017)

The assessment report is not valid unless it incorporates the declaration duly signed by the applicant.

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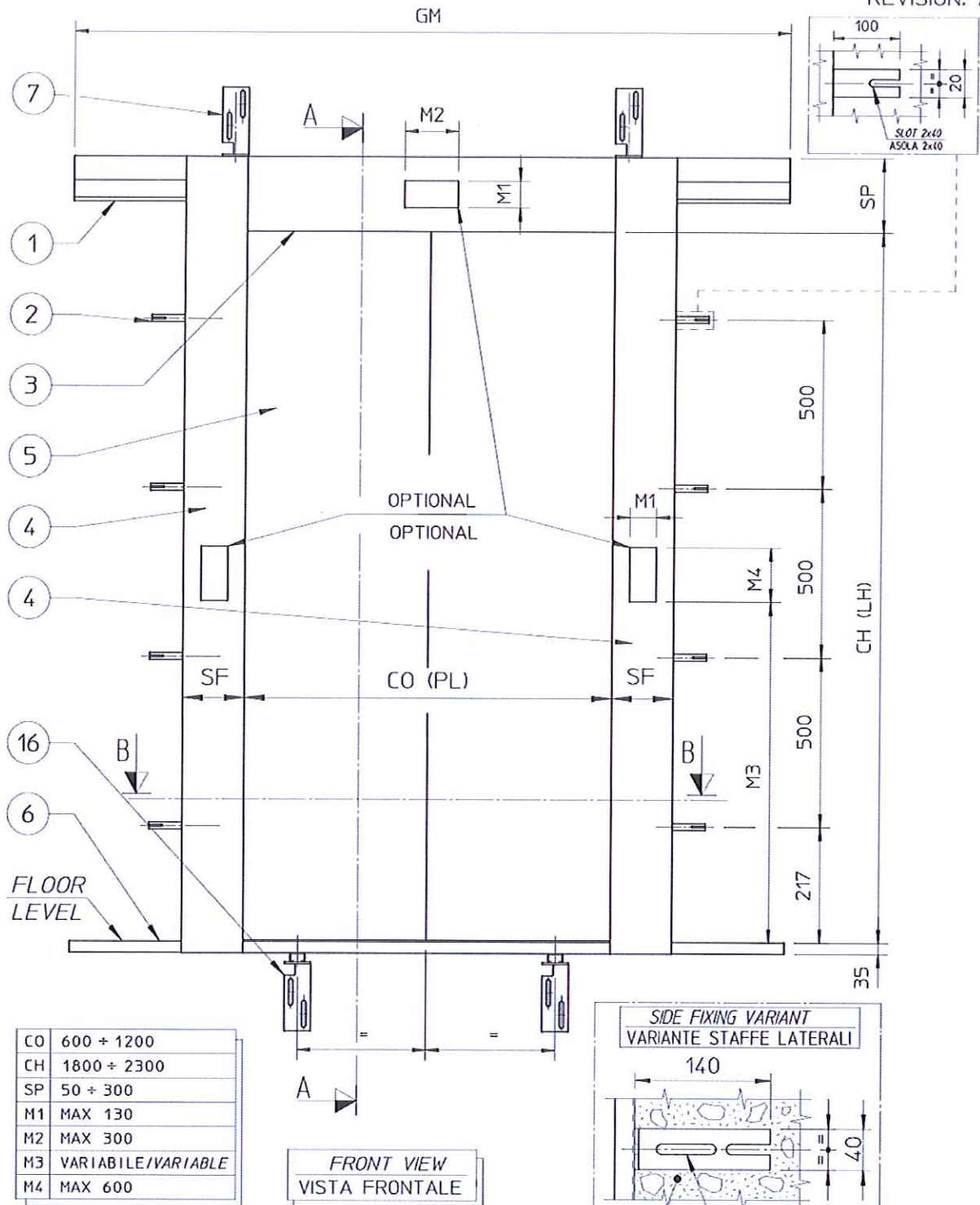
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SERIES 3215-AUGUSTA EVO TY.01/C LANDING DOOR IN EI120/60 CLASS ACC.EN81-58

AUGUSTA EVO TY. 01/C

DATE : 2016/11/25

CODE No. 3250.34.0015V01A

REVISION: A



WITTUR HOLDING GMBH

D-85259 WIEDENZHAUSEN - GERMANY - Rohrbachstrasse 26 - 30





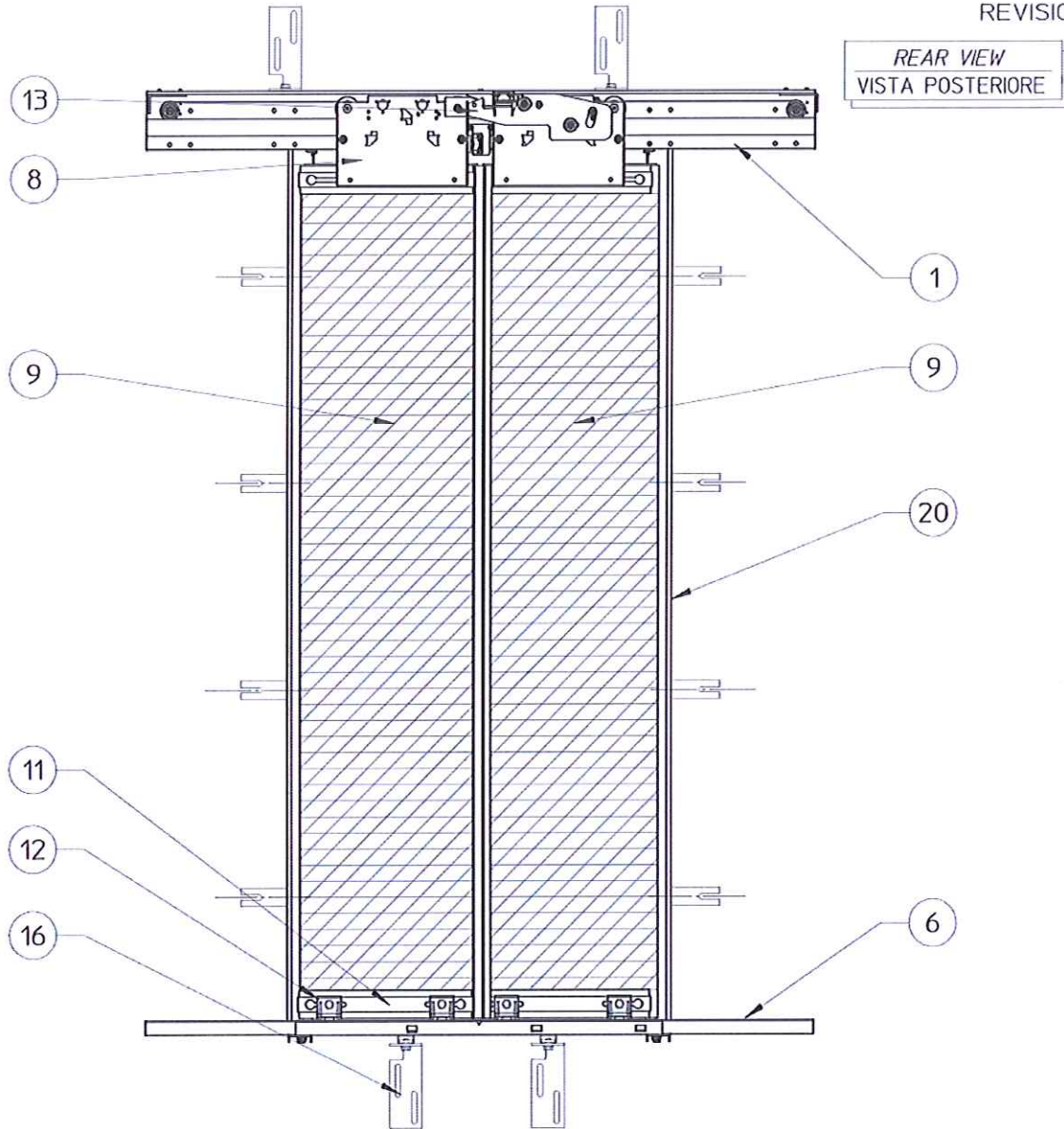
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SERIES 3215-AUGUSTA EVO TY.01/C LANDING DOOR IN EI120/60 CLASS ACC.EN81-58

AUGUSTA EVO TY. 01/C

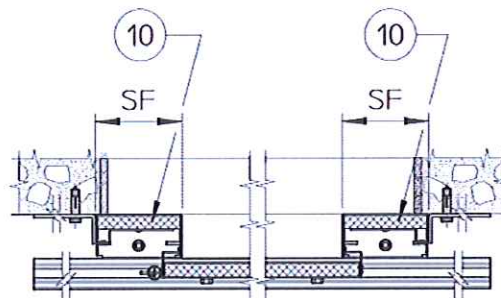
DATE : 2016/11/25

CODE No. 3250.34.0015V02A

REVISION: A



SIDE FRAME INSULATION  
COIBENTAZ.STIPITE LATERALE



$50 \leq SF, SB \leq 750$



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D-85259 WIEDENZHAUSEN - GERMANY - Rohrbachstrasse 26 - 30



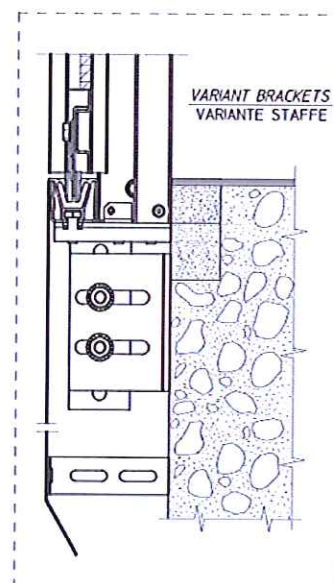
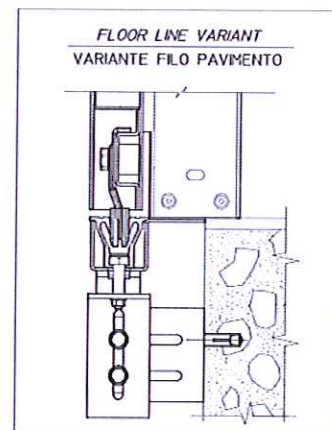
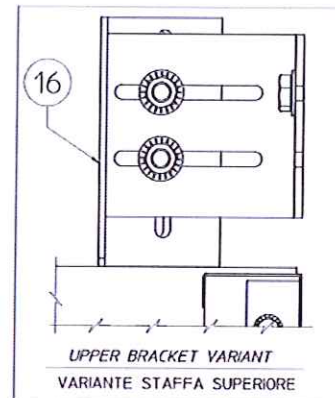
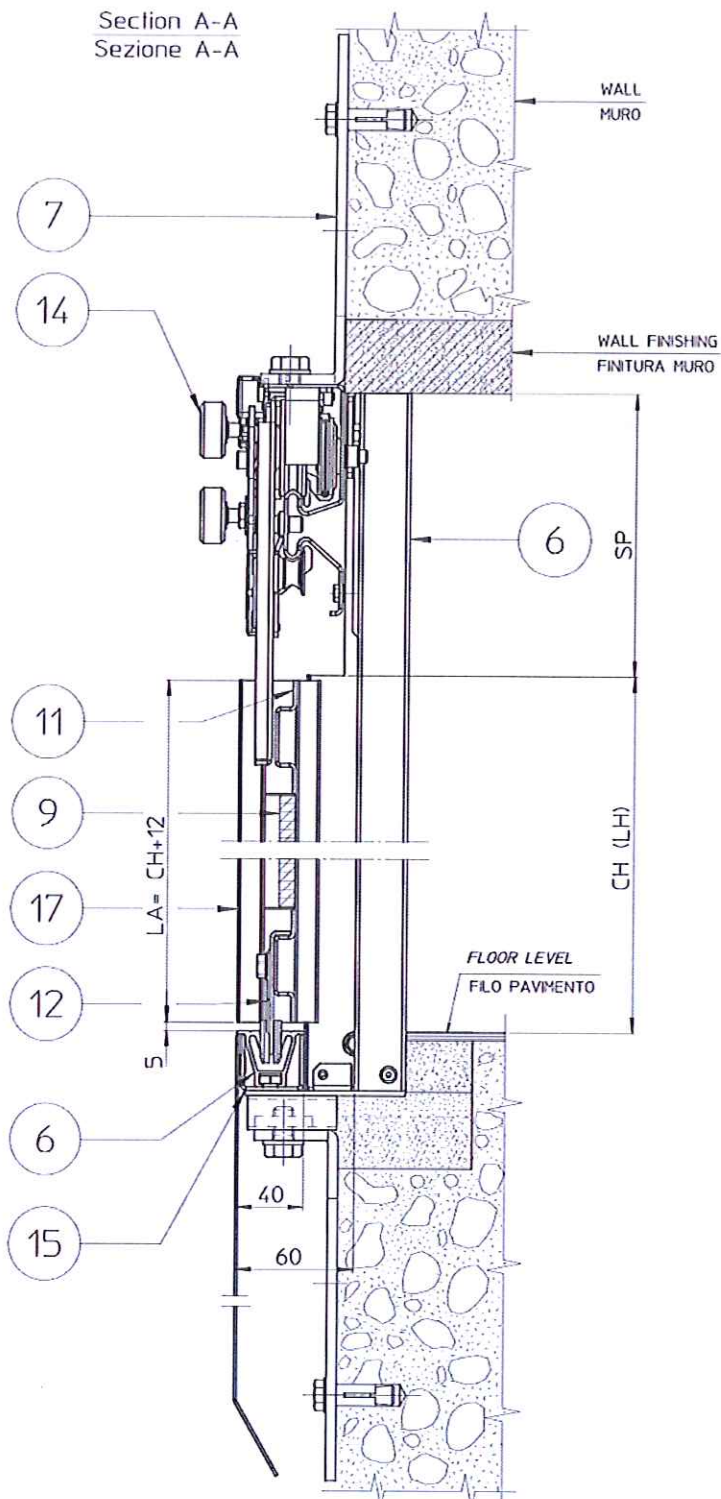
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SERIES 3215-AUGUSTA EVO TY.01/C LANDING DOOR IN EI120/60 CLASS ACC.EN81-58

AUGUSTA EVO TY. 01/C

DATE : 2016/11/25

CODE No. 3250.34.0015V03A

REVISION: A



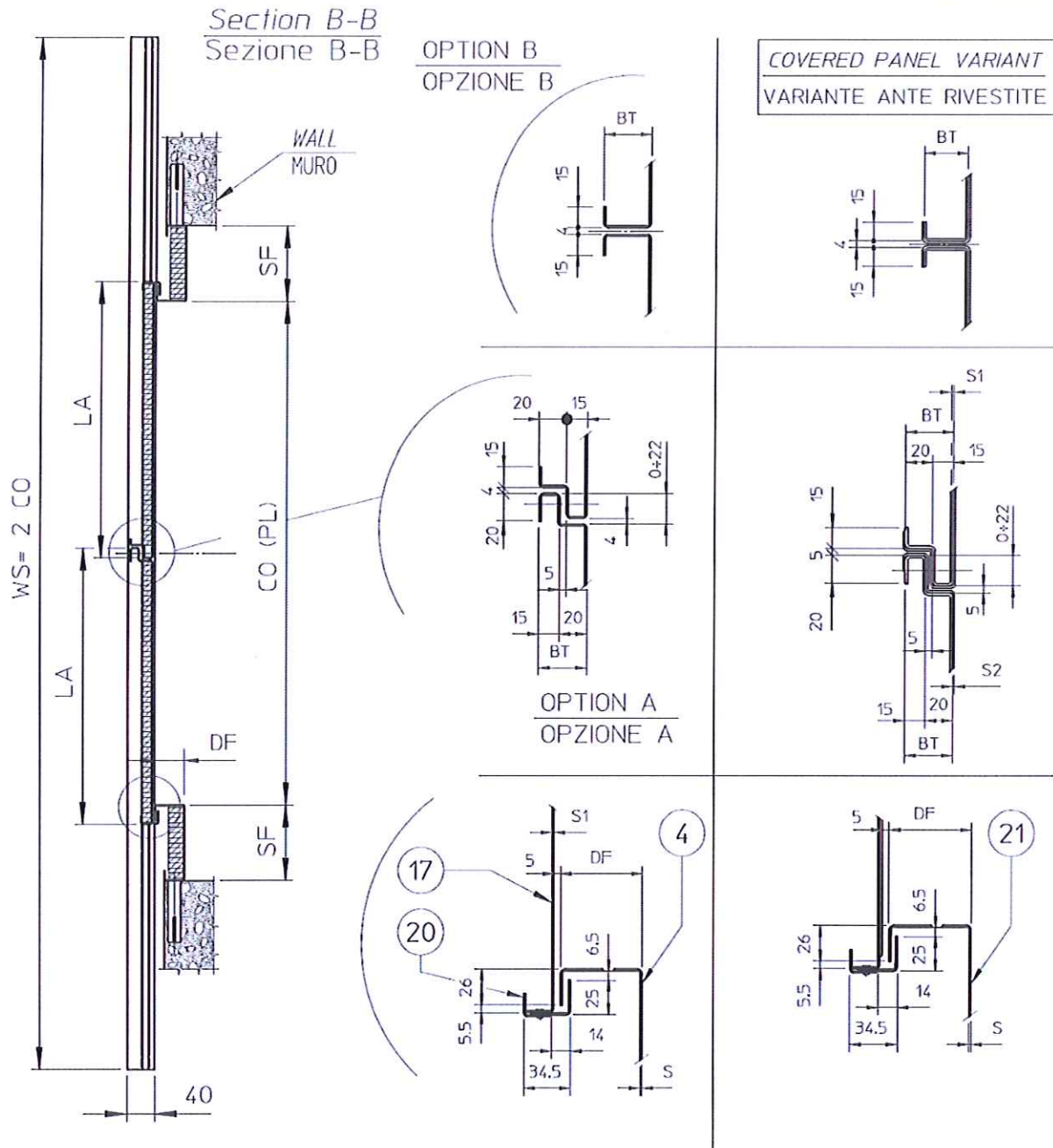


PORTA DI PIANO 3215-AUGUSTA EVO TY.01/C CLASSE EI120/60 SEC.EN81-58  
SERIES 3215-AUGUSTA EVO TY.01/C LANDING DOOR IN EI120/60 CLASS ACC.EN81-58

AUGUSTA EVO TY. 01/C

DATE : 2017/08/29

CODE No. 3250.34.0015V04A  
REVISION: B



		CLINGED OR RIVETED / CUNGATO O RIVETTATO
S	12+15	MILD STEEL FRAME THICKNESS SPESSORE STRUTTE IN LAMIERA STEEL FRAME THICKNESS SPESSORE STRUTTE INOX
S1	1+15	PANEL THICKNESS SPESSORE ANTA
S2	0.6+0.8	COVERING THICKNESS SPESSORE RIVESTIMENTO

WS	2 CO
DF	50 ÷ 180
M4	DF-20
SF	50 ÷ 750
BT	35 <sup>1,2</sup>



PORTA DI PIANO 3215-AUGUSTA EVO TY.01/C CLASSE EI60 SEC.EN81-58  
 SERIES 3215-AUGUSTA EVO TY.01/C LANDING DOOR IN EI60 CLASS ACC.EN81-58  
 AUGUSTA EVO TY. 01/C DATE : 2016/02/15

CODE No. 3250.34.0015V06B  
 REVISION: C

21	SIDE FRAME COVER RIVESTIMENTO STIPITE LATERALE	02	VARIOUS MATERIALS MATERIALI VARI	
20	PANEL LABIRYNTH OPENING SIDE LABIRINTO ANTA IN APERTURA	02	EN10142-DX510-Z275 UNI EN10142-DX510-Z275	
19	PANEL COVER RIVESTIMENTO ANTA	02	VARIOUS MATERIALS MATERIALI VARI	
18	CLOSING SIDE FRAME STIFFENER RINFORZO STIPITE LATERALE IN BATTUTA	02	SEE SPECIFICATION VEDI SPECIFICA	
17	PANEL BASIC SHEET PROFILE LAMIERA BASE ANTA	02	EN10130 +A1-DC01 UNI EN10130 +A1-DC01	
16	LOWER SUPPORT BRACKET STAFFA DI FISSAGGIO INFERIORE	02/03	EN10111-0011 UNI EN10111-0011	
15	SILL SUPPORT PROFILE PROFILO DI SUPPORTO SOGLIA	01	EN10142-DX510-Z275 UNI EN10142-DX510-Z275	
14	COUPLING ROLLER ROTELLA DI ACCOPPIAMENTO	02	PU UNI ISO 1043 (POLYURETHANE) PU UNI ISO 1043 (POLIURETANO)	
13	SAFETY DEVICE (LOCK) DISPOSITIVO DI SICUREZZA (SERRATURA)	01	/	
12	BOTTOM BOLT WITH SHOE PERNO PORTAPATTINI CON PATTINO	04	/	
11	PANEL HEADER PROFILE PROFILO TESTATA ANTA	04	EN10130 +A1-DC01 UNI EN10130 +A1-DC01	
* 10	SIDE FRAME INSULATION COIBENTE STIPITE LATERALE	02	LIFTBIFIRE EI120/19 LIFTBIFIRE EI120/19	
* * 9	PANEL INSULATION PANNELLO COIBENTE ANTA	02	LIFTBIFIRE EI60/18 LIFTBIFIRE EI60/18	
8	PANEL TRUCK ASSEMBLY ASSIEME CARRELLO	02	/	
7	HANGER SUPPORT BRACKETS STAFFA SUPERIORE DI FISSAGGIO	02	EN10111-0011 UNI EN10111-0011	
6	SILL PROFILE OF 40 mm WIDTH SOGLIA LARGHEZZA 40 mm	01	EN AN-6060 (ANTICORROSION) EN AN-6060 (ANTICORROSION)	
5	PANEL ASSEMBLY ASSIEME ANTA	02	/	
4	SIDE FRAME STIPITE LATERALE	02	EN10130 +A1-DC01 UNI EN10130 +A1-DC01	
3	UPPER FRAME (TOP FRAME) STIPITE SUPERIORE	01	EN10130 +A1-DC01 UNI EN10130 +A1-DC01	
2	WALL BRACKET TO FIX FRAME ASSEMBLY ZANCA DI FISSAGGIO	08	EN10130 +A1-DC01 UNI EN10130 +A1-DC01	
1	PANEL DRIVING MECHANISM MECCANISMO DI APERTURA PORTA	01	/	
POS.	DESIGNATION / DENOMINAZIONE	Q.TA.	MATERIAL/MATERIALE	NOTES/NOTA

OPTIONAL MATERIAL FOR SB, SF ≤ 299 MM

MATERIALE OPZIONALE PER SB, SF ≤ 299 MM

\* 10 SIDE FRAME INSULATION 3 SHEETS OF PROMATECT 100 THICKNESS 8  
 COIBENTE STIPITE LATERALE 3 PANNELLI DI PROMATECT 100 SPESSORE 8

OPTIONAL MATERIAL

MATERIALE OPZIONALE

\* \* 9 PANEL INSULATION LITBIFIRE EI120/19  
 PANNELLO COIBENTE ANTA LITBIFIRE EI120/19







PORTA DI PIANO 3215-AUGUSTA EVO TY.01/C 11/R-L CLASSE EI120/60 SEC.EN81-58  
SERIES 3215-AUGUSTA EVO TY.01/C 11/R-L LANDING DOOR IN EI120/60 CLASS ACC.EN81-58

AUGUSTA EVO TY. 01/C 11/R-L

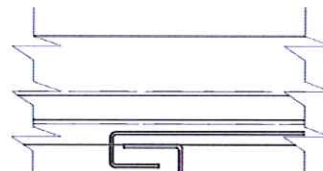
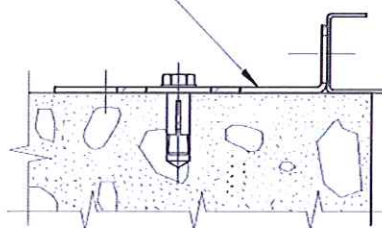
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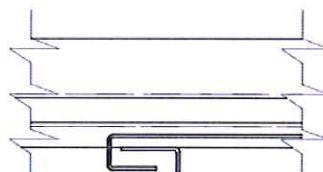
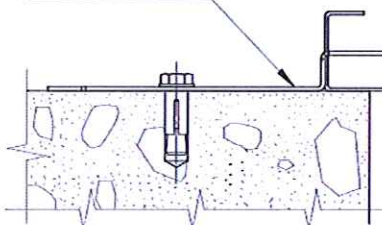
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FIXING BY MEANS OF SCREW ANCHORS  
FISSAGGIO A TASSELLARE

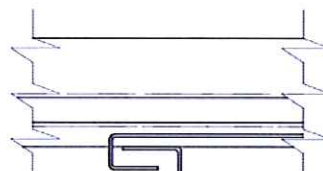
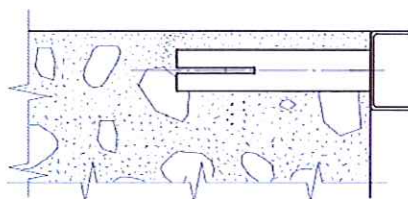
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COD. 1000523



WALL EMBEDDED FIXING  
FISSAGGIO A MURARE





PORTA DI PIANO 3215-AUGUSTA EVO TY.01/C CLASSE EI120/60 SEC.EN81-58  
SERIES 3215-AUGUSTA EVO TY.01/C LANDING DOOR IN EI120/60 CLASS ACC.EN81-58

AUGUSTA EVO TY. 01/C

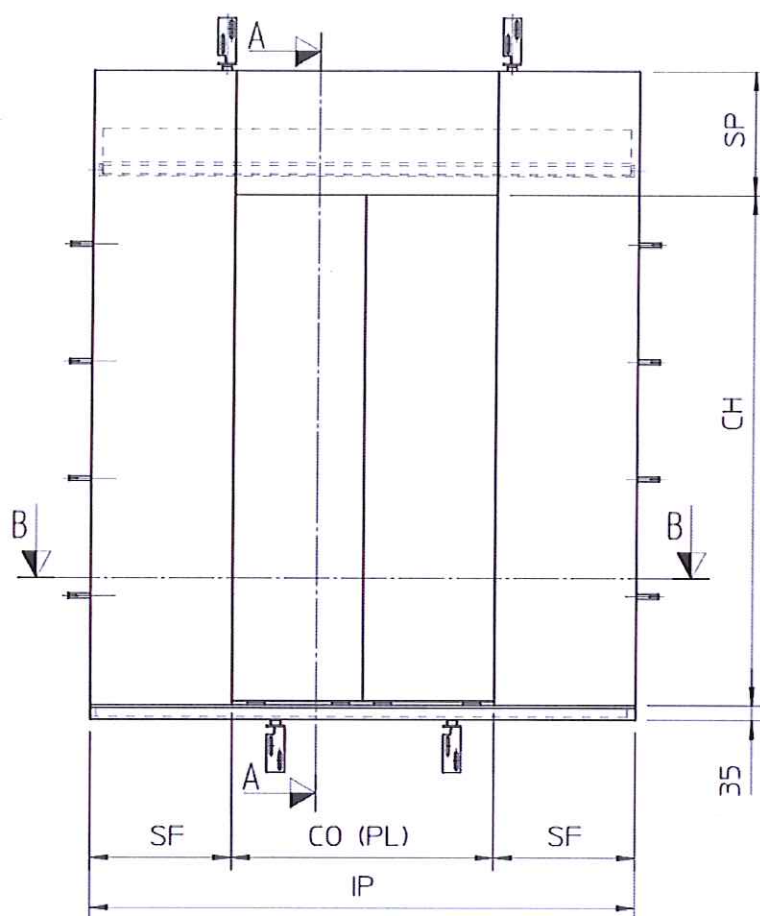
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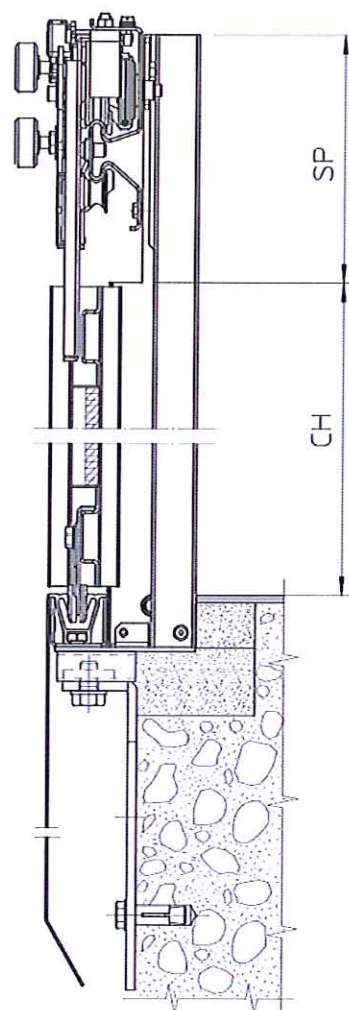
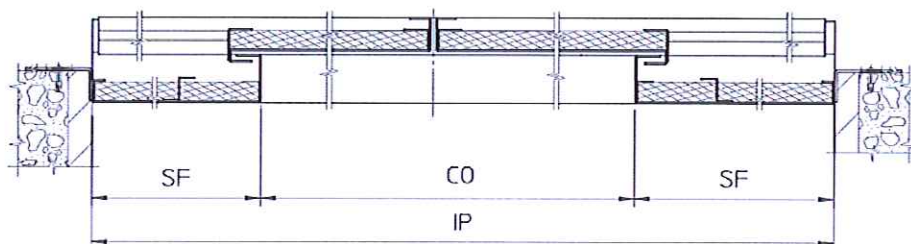
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VARIANTE CON PORTALI  
BIG FRAMES VARIANT

Sezione A-A  
Section A-A



Sezione B-B  
Section B-B



CO	≤1200
CH	≤2300
SP	50÷300
SF	50÷750



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PORTA DI PIANO 3215-AUGUSTA EVO TY.01/C CLASSE EI120/60 SEC.EN81-58  
SERIES 3215-AUGUSTA EVO TY.01/C LANDING DOOR IN EI120/60 CLASS ACC.EN81-58

AUGUSTA EVO TY. 01/C

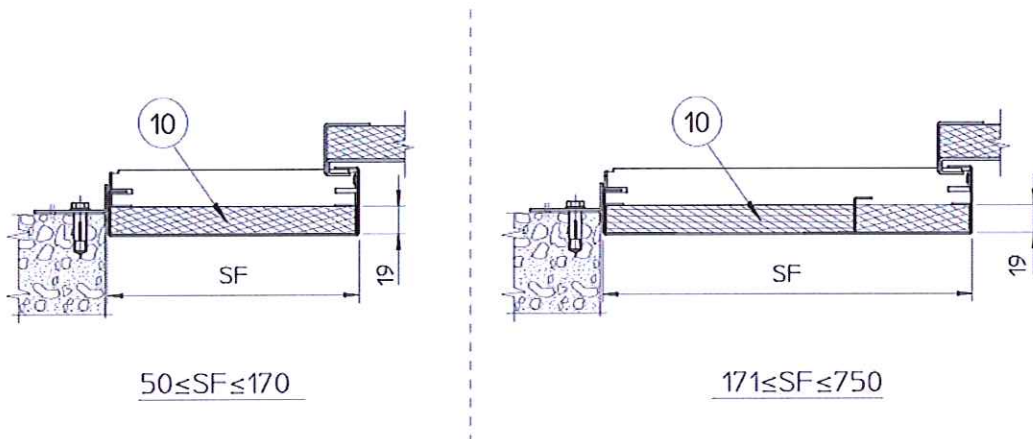
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CODE No. 3250.34.0015V11A

REVISION: 0

VARIANTE CON PORTALI  
BIG FRAMES VARIANT

COIBENTAZIONE STIPITI LATERALI  
SIDE FRAMES INSULATION



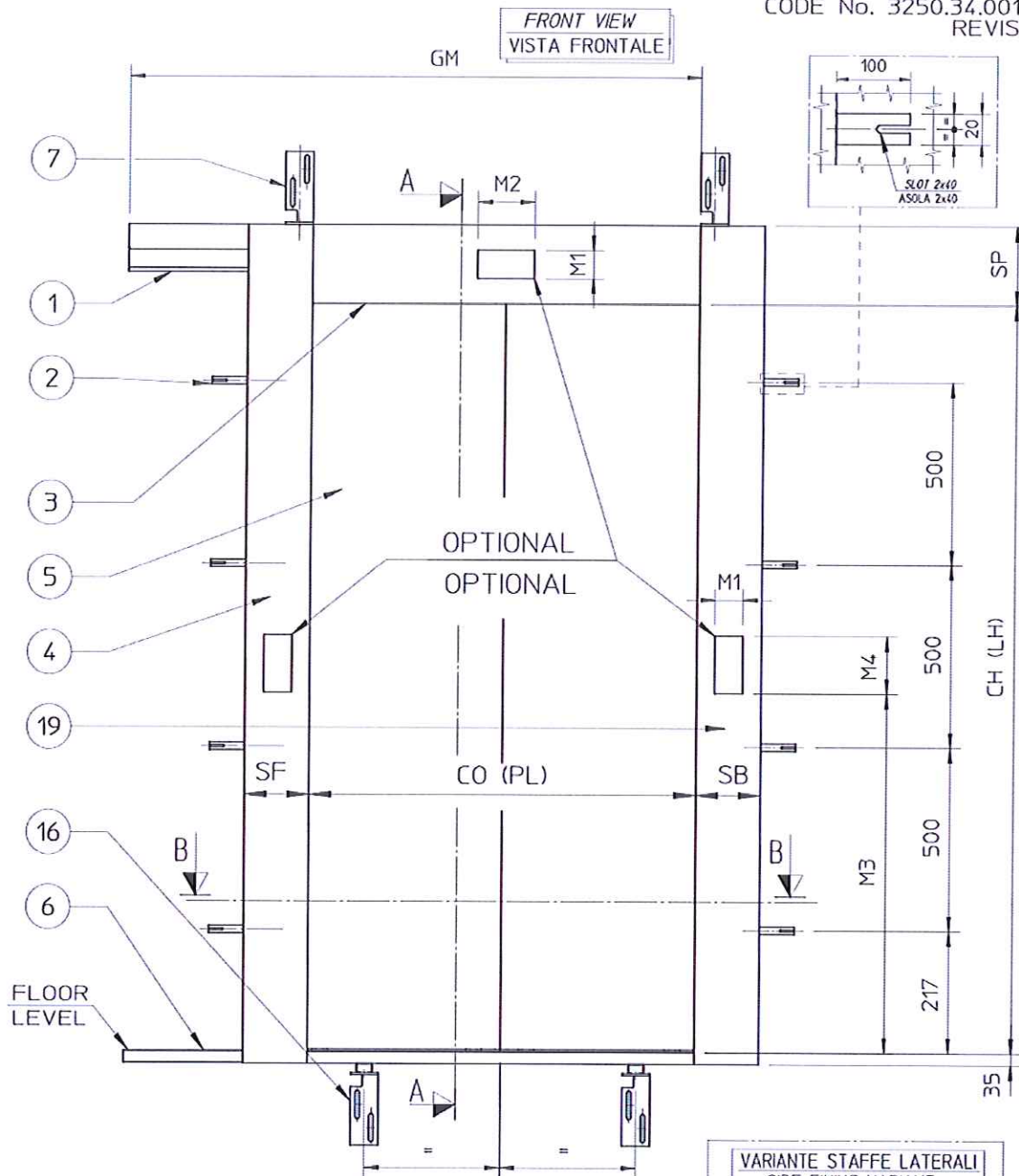


PORTA DI PIANO 3215-AUGUSTA EVO TY.11/R-L CLASSE EI120/60 SEC.EN81-58  
SERIES 3215-AUGUSTA EVO TY.11/R-L LANDING DOOR IN EI120/60 CLASS ACC.EN81-58

AUGUSTA EVO TY. 11/R-L

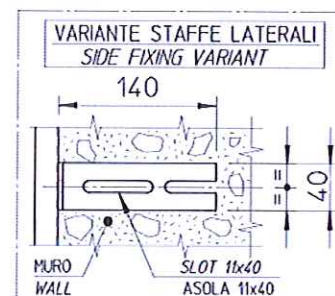
DATE : 2016/11/25

CODE No. 3250.34.0016V01A  
REVISION: A



CO	600 ÷ 1200
CH	1800 ÷ 2300
SP	50 ÷ 300
M1	MAX 130
M2	MAX 300
M3	VARIABLE / VARIABLE
M4	MAX 600

11/R	SYMMETRICAL SIMMETRICA
11/L	AS DRAWING A DISEGNO



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D-85259 WIEDENZHAUSEN - GERMANY - Rohrbachstrasse 26 - 30





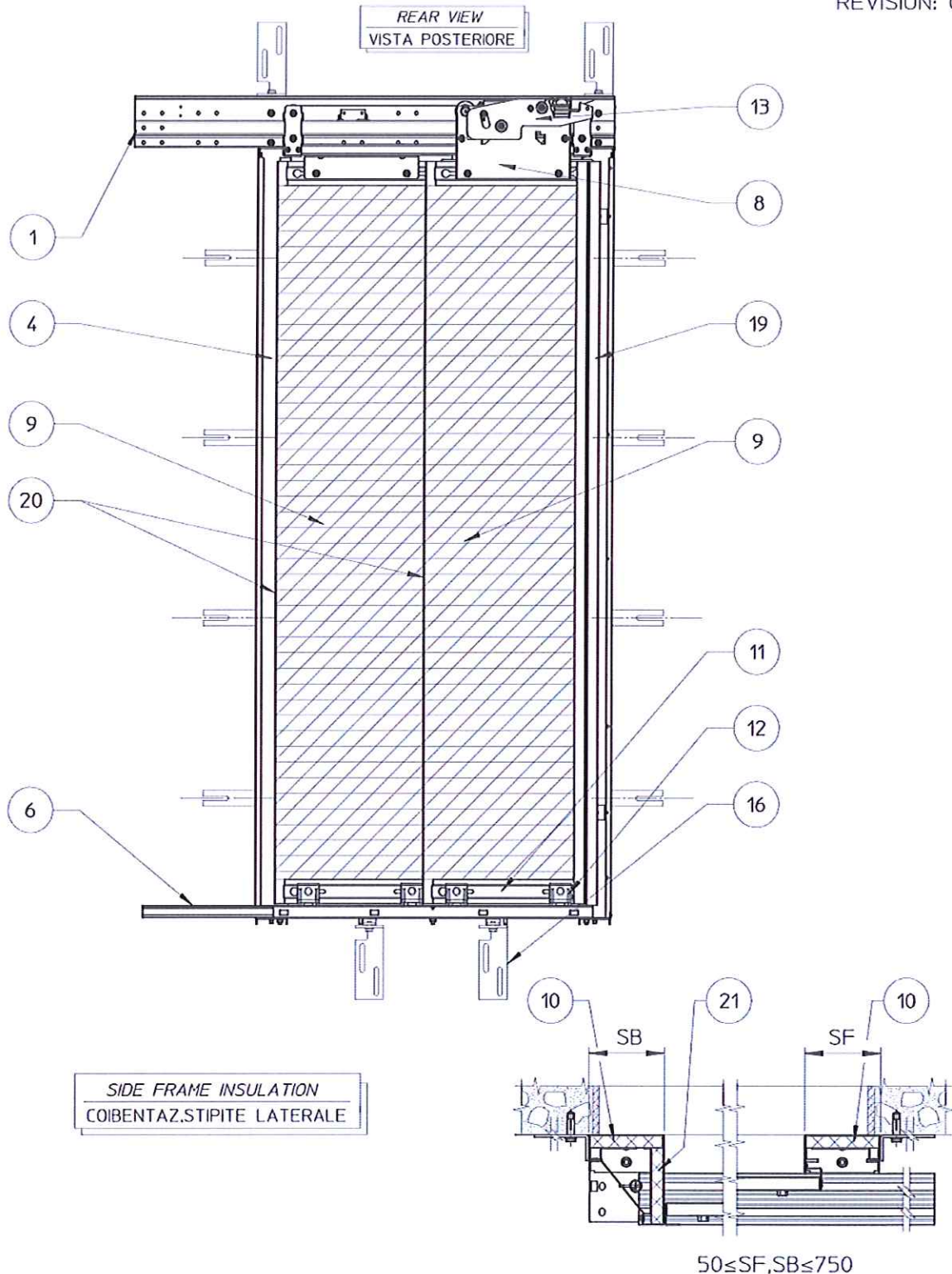
PORTA DI PIANO 3215-AUGUSTA EVO TY.11/R-L CLASSE EI120/60 SEC.EN81-58  
SERIES 3215-AUGUSTA EVO TY.11/R-L LANDING DOOR IN EI120/60 CLASS ACC.EN81-58

AUGUSTA EVO TY. 11/R-L

DATE : 2015/10/26

CODE No. 3250.34.0016V02A

REVISION: 0



WITTUR HOLDING GMBH

D-85259 WIEDENZHAUSEN - GERMANY - Rohrbachstrasse 26 - 30



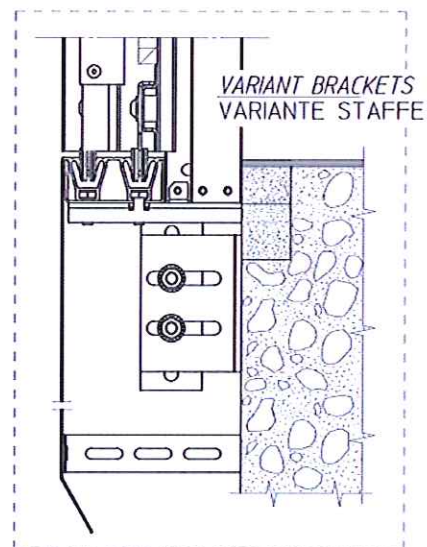
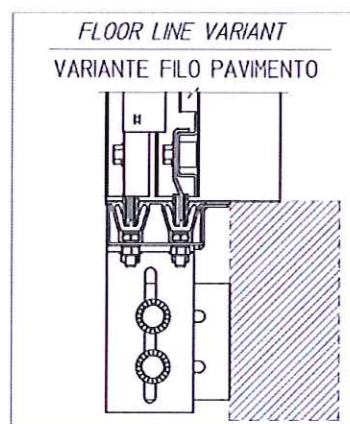
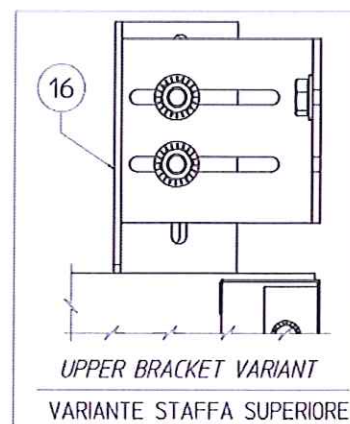
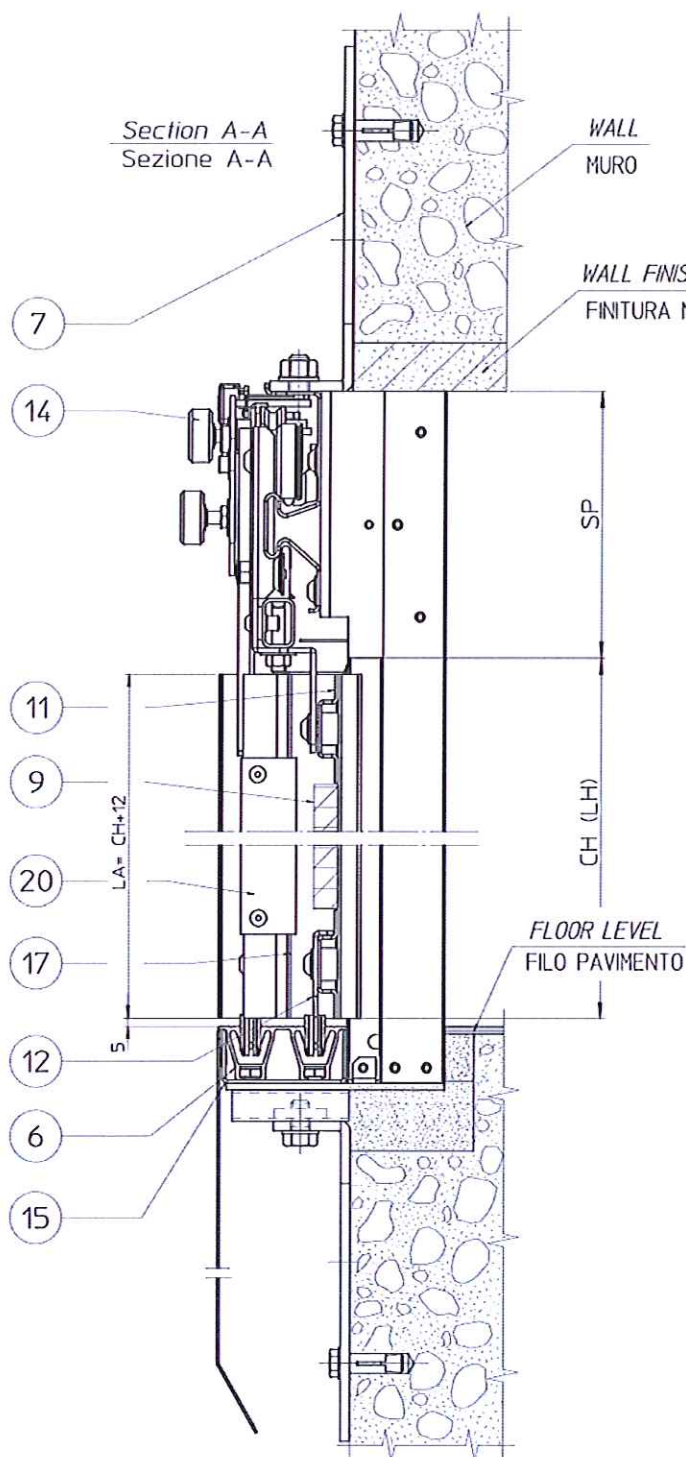
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SERIES 3215-AUGUSTA EVO TY.11/R-L LANDING DOOR IN EI120/60 CLASS ACC.EN81-58

AUGUSTA EVO TY. 11/R-L

DATE : 2016/11/25

CODE No. 3250.34.0016V03A

REVISION: A



WITTUR HOLDING GMBH

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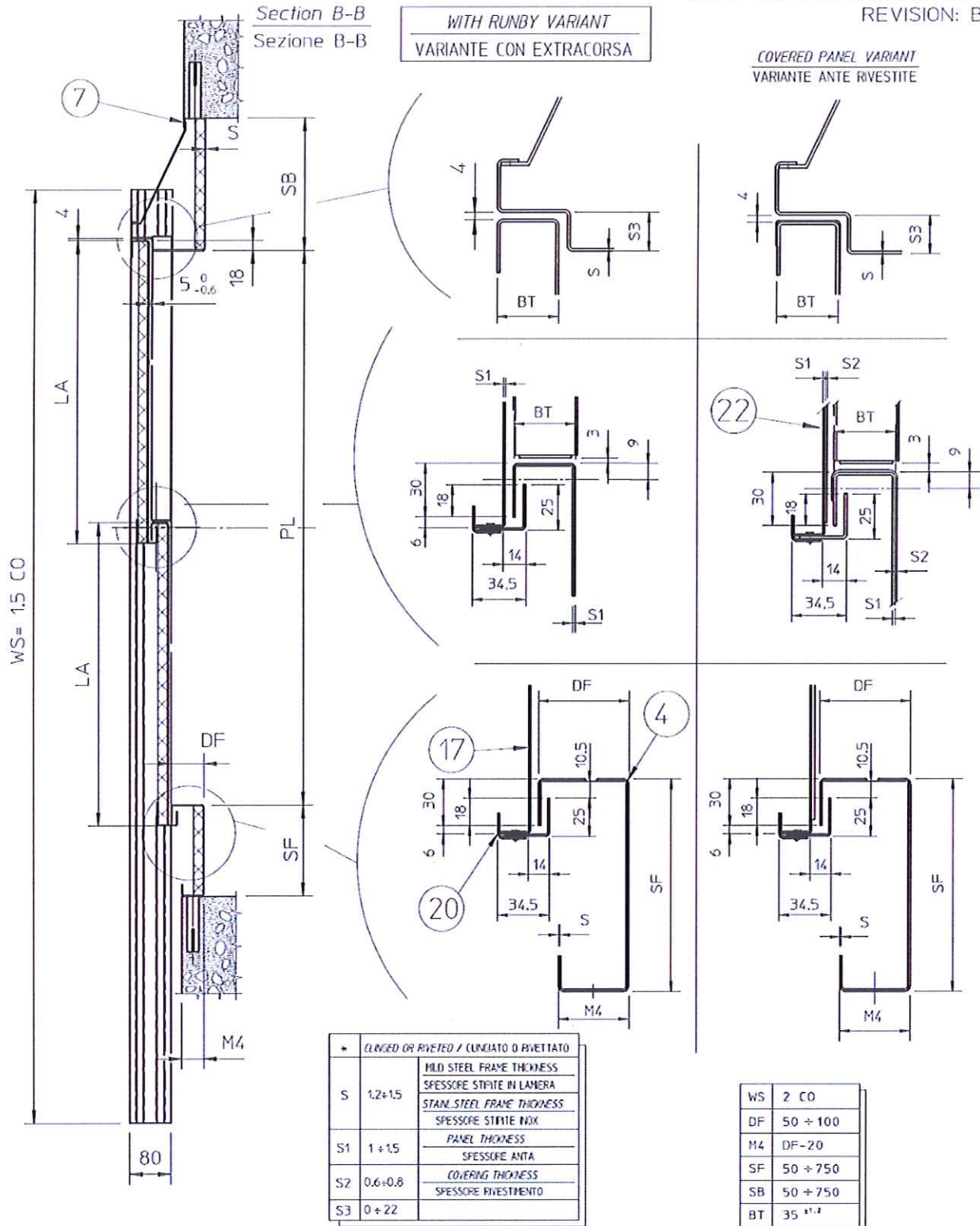
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SERIES 3215-AUGUSTA EVO TY.11/R-L LANDING DOOR IN EI120/60 CLASS ACC.EN81-58

AUGUSTA EVO TY. 11/R-L

DATE : 2017/08/29

CODE No. 3250.34.0016V04A

REVISION: B



WITTUR HOLDING GMBH

D-85259 WIEDENHAUSEN - GERMANY - Rohrbachstrasse 26 - 30



PORTA DI PIANO 3215-AUGUSTA EVO TY.11/R-L CLASSE EI 60 SEC.EN81-58  
SERIES 3215-AUGUSTA EVO TY.11/R-L LANDING DOOR IN EI 60 CLASS ACC.EN81-58

AUGUSTA EVO TY. 11/R-L

DATE : 2016/02/15

CODE No. 3250.34.0016V05B

REVISION: D

23	FRAME COVERING SHEET	03	VARIOUS MATERIALS	
	RIVESTIMENTO STIPITE		MATERIALI VARI	
22	PANEL COVERING SHEET	02	VARIOUS MATERIALS	
	RIVESTIMENTO ANTA		MATERIALI VARI	
* 21	FRAME INSULATION-TRANSVERSAL BOARD	01	LITBIFIRE EI120/19	
	COIBENTE STIP. BATTUTA-PANN.TRASVERSALE		LITBIFIRE EI120/19	
20	PANEL LABIRYNTH OPENING SIDE	02	EN10142-DX510-Z275	
	LABIRINTO ANTA IN APERTURA		UNI EN10142-DX510-Z275	
19	CLOSING SIDE FRAME	01	SEE SPECIFICATION	
	STIPIE LATERALE IN BATTUTA		VEDI SPECIFICA	
18	CLOSING SIDE FRAME STIFFENER	02	SEE SPECIFICATION	
	RINFORZO STIPIE LATERALE IN BATTUTA		VEDI SPECIFICA	
17	PANEL BASIC SHEET PROFILE	02	EN10130 +A1-DC01	
	LAMIERA BASE ANTA		UNI EN10130 +A1-DC01	
16	LOWER SUPPORT BRACKET	02/	EN10111-0011	
	STAFFA DI FISSAGGIO INFERIORE	03	UNI EN10111-0011	
15	SILL SUPPORT PROFILE	01	EN10142-DX510-Z275	
	PROFILO DI SUPPORTO SOGLIA		UNI EN10142-DX510-Z275	
14	COUPLING ROLLER	02	PU UNI ISO 1043 (POLYURETHANE)	
	ROTELLA DI ACCOPPIAMENTO		PU UNI ISO 1043 (POLIURETANO)	
13	SAFETY DEVICE (LOCK)	01	I	
	DISPOSITIVO DI SICUREZZA (SERRATURA)		I	
12	BOTTOM BOLT WITH SHOE	04	I	
	PERNO PORTAPATTINI CON PATTINO		I	
11	PANEL HEADER PROFILE	04	EN10130 +A1-DC01	
	PROFILO TESTATA ANTA		UNI EN10130 +A1-DC01	
* 10	FRAME INSULATION	02	LITBIFIRE EI120/19	
	COIBENTE STIPITI		LITBIFIRE EI120/19	
* * 9	PANEL INSULATION	02	LITBIFIRE EI 60/18	
	PANNELLO COIBENTE ANTA		LITBIFIRE EI 60/18	
8	PANEL TRUCK ASSEMBLY	02	I	
	ASSIEME CARRELLO		I	
7	HANGER SUPPORT BRACKETS	02	EN10111-0011	
	STAFFA SUPERIORE DI FISSAGGIO		UNI EN10111-0011	
6	SILL PROFILE OF 80 mm WIDTH	01	EN AX-6060 (ANTICORROSION)	
	SOGLIA LARGHEZZA 80 mm		EN AX-6060 (ANTICORROSION)	
5	PANEL ASSEMBLY	02	I	
	ASSIEME ANTA		I	
4	SIDE FRAME - OPENING SIDE	01	EN10130 +A1-DC01	
	STIPIE LATERALE LATO APERTURA		UNI EN10130 +A1-DC01	
3	UPPER FRAME (TOP FRAME)	01	EN10130 +A1-DC01	
	STIPIE SUPERIORE		UNI EN10130 +A1-DC01	
2	WALL BRACKET TO FIX FRAME ASSEMBLY	08	EN10130 +A1-DC01	
	ZANCA DI FISSAGGIO		UNI EN10130 +A1-DC01	
1	PANEL DRIVING MECHANISM	01	I	
	MECCANISMO DI APERTURA PORTA		I	
POS.	DESIGNATION / DENOMINAZIONE	B.TY. B.TA.	MATERIAL/MATERIALE	NOTES/NOTA

OPTIONAL MATERIAL FOR SB, SF ≤ 299 MM

MATERIALE OPZIONALE PER SB, SF ≤ 299 MM

\* 10-21

SIDE FRAME INSULATION 3 SHEETS OF PROMATECT 100 THICKNESS 8

COIBENTE STIPITE LATERALE 3 PANNELLI DI PROMATECT 100 SPESSORE 8

OPTIONAL MATERIAL

MATERIALE OPZIONALE

\* \* 9

PANEL INSULATION LITBIFIRE EI120/19

PANNELLO COIBENTE ANTA LITBIFIRE EI120/19



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PORTA DI PIANO 3215-AUGUSTA EVO TY.11/R-L CLASSE EI120/60 SEC.EN81-58  
SERIES 3215-AUGUSTA EVO TY.11/R-L LANDING DOOR IN EI120/60 CLASS ACC.EN81-58

AUGUSTA EVO TY. 11/R-L

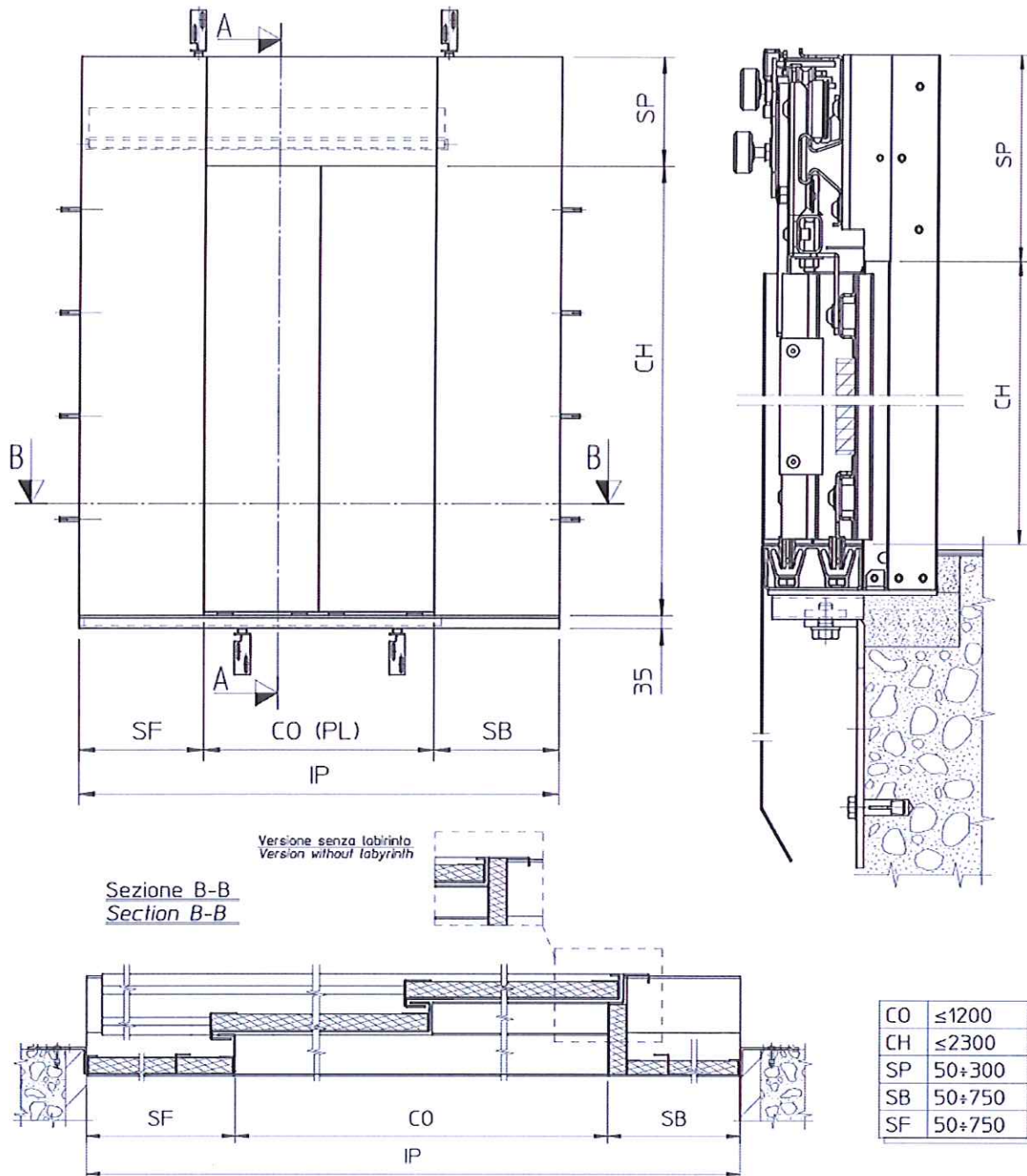
DATE : 2016/11/28

CODE No. 3250.34.0016V07A

REVISION: A

VARIANTE CON PORTALI  
BIG FRAMES VARIANT

Sezione A-A  
Section A-A



PORTA DI PIANO 3215-AUGUSTA EVO TY.11/R-L CLASSE EI120/60 SEC.EN81-58  
SERIES 3215-AUGUSTA EVO TY. 11/R-L LANDING DOOR IN EI120/60 CLASS ACC.EN81-58

AUGUSTA EVO TY. 11/R-L

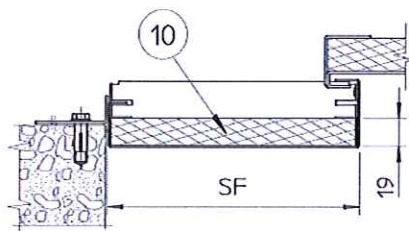
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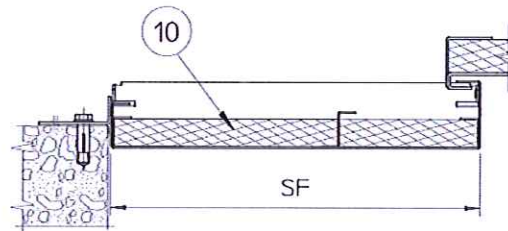
REVISION: A

VARIANTE CON PORTALI  
BIG FRAMES VARIANT

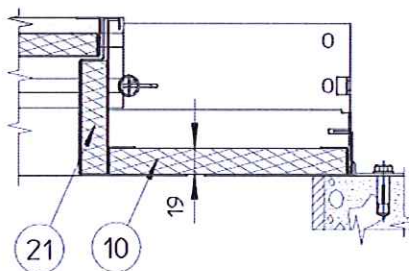
COIBENTAZIONE STIPITI LATERALI  
SIDE FRAMES INSULATION



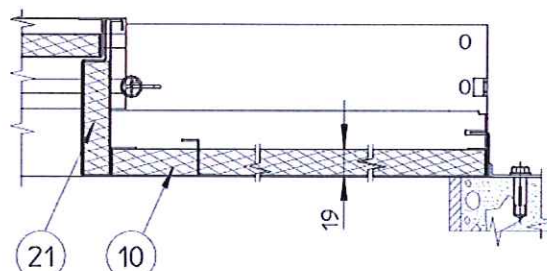
$50 \leq SF \leq 170$



$171 \leq SF \leq 750$



$50 \leq SB \leq 170$



$171 \leq SB \leq 750$





PORTA DI PIANO 3215-AUGUSTA EVO TY.01/C SEC.EN81-58  
SERIES 3215-AUGUSTA EVO TY.01/C LANDING DOOR ACC.EN81-58

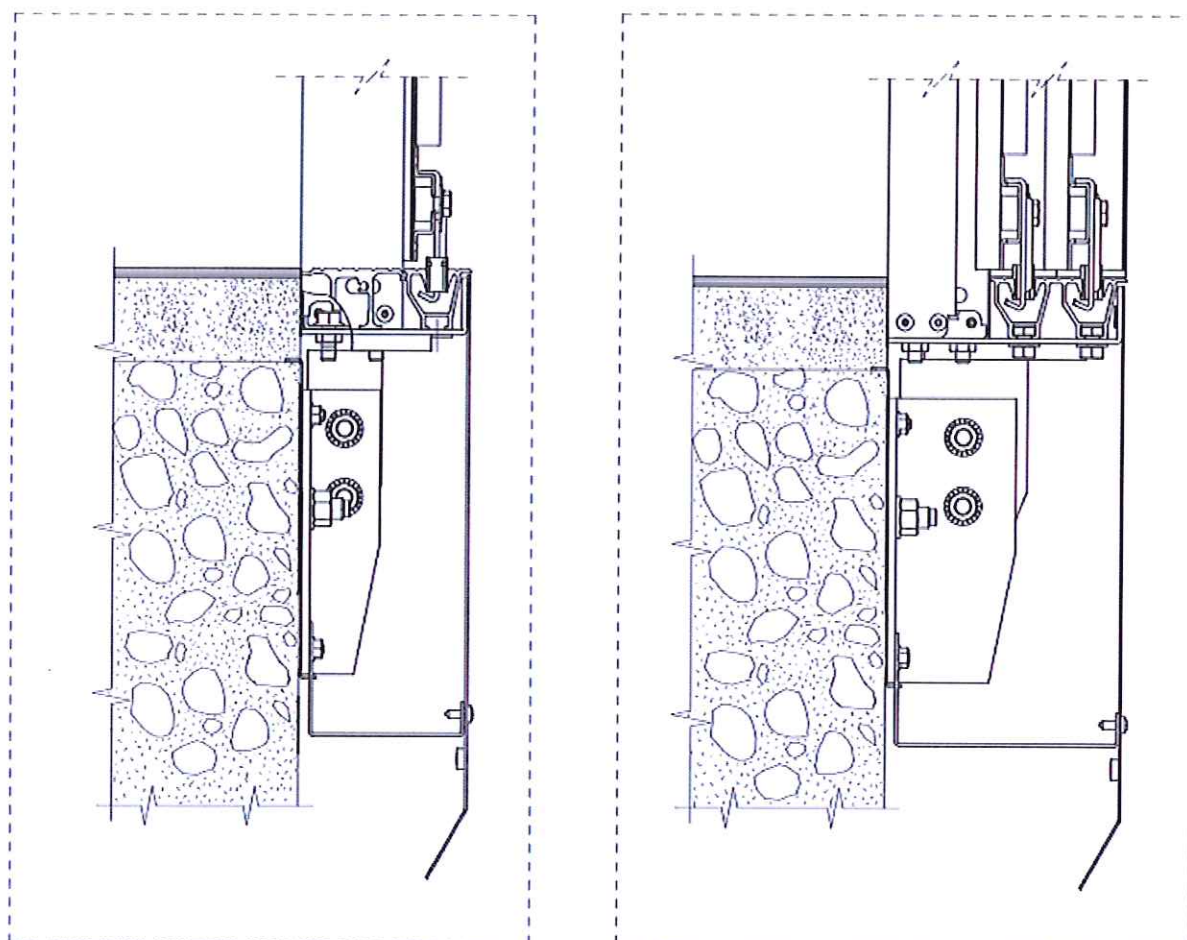
AUGUSTA EVO TY. 01/C - 11/R-L

DATE : 2017/06/26

CODE No. 3215.34.0014V26

REVISION: 0

CONSOLE VARIANT  
VARIANTE CONSOLE





PORTA DI PIANO 3215-AUGUSTA EVO TY.01/C SEC.EN81-58  
SERIES 3215-AUGUSTA EVO TY.01/C LANDING DOOR ACC.EN81-58

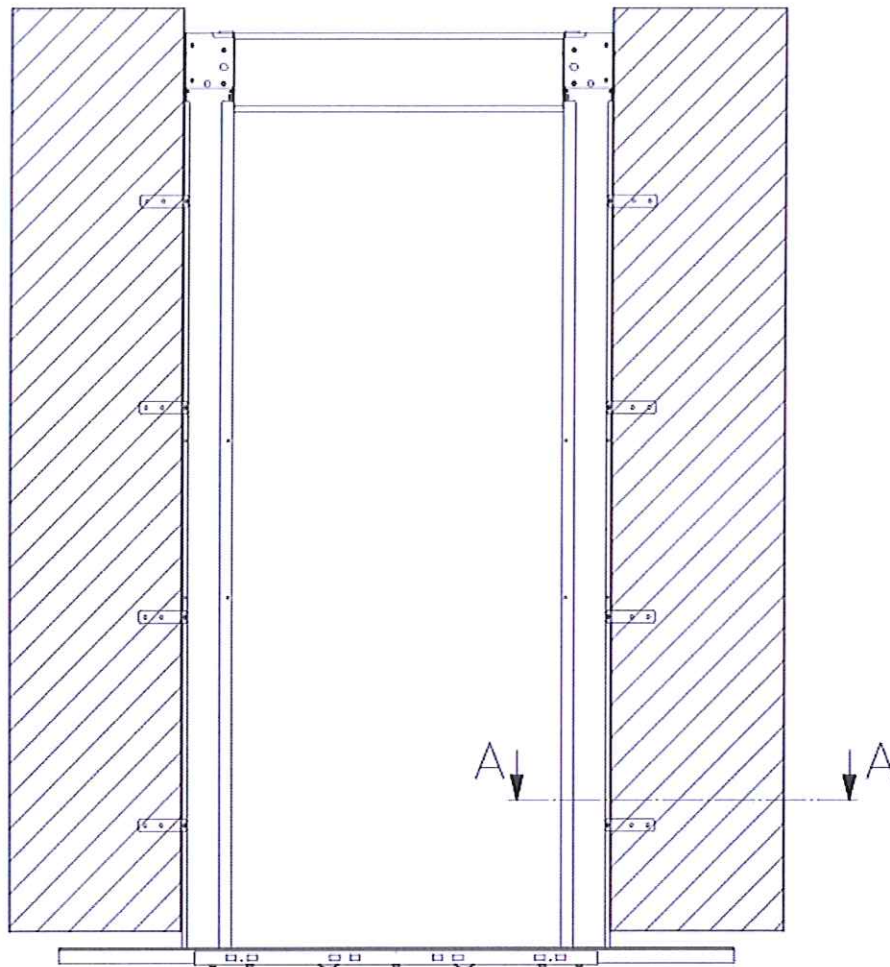
AUGUSTA EVO TY. 01/C

DATE : 2017/03/23

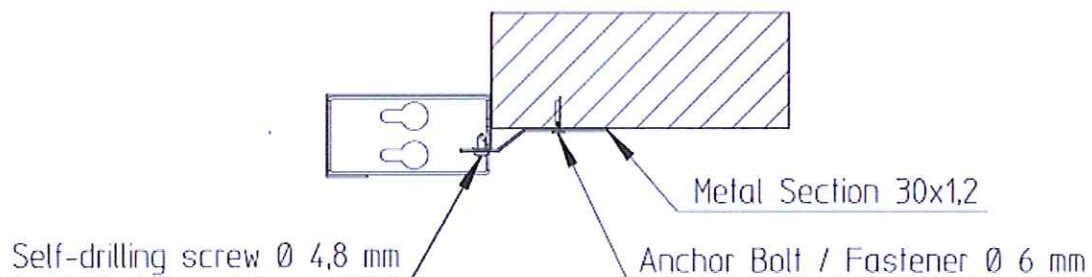
CODE No. 3215.34.0014V31

REVISION: B

LATERAL FIXATION OPTION



SECTION A-A







PORTA DI PIANO 3215-AUGUSTA EVO TY.01/C SEC.EN81-58  
SERIES 3215-AUGUSTA EVO TY.01/C LANDING DOOR ACC.EN81-58

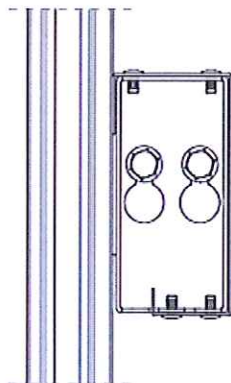
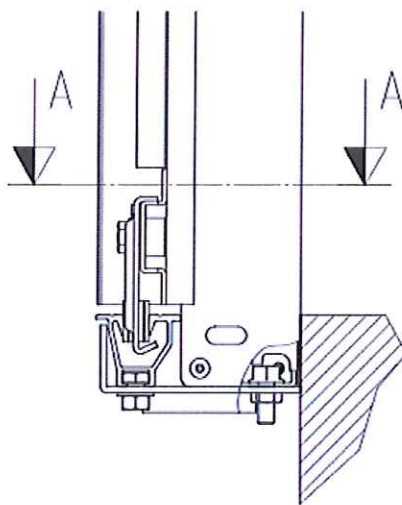
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DATE : 2017/06/26

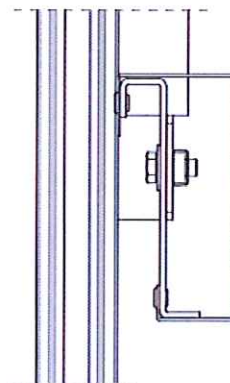
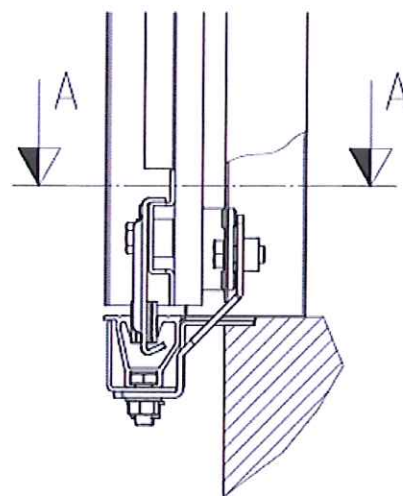
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REVISION: 0

DETAIL AUGUSTA EVO SILL  
PARTICOLARE SOGLIA AUGUSTA EVO



SILL VARIANT WITH  
FLOOR LINE FRAME  
VARIANTE SOGLIA CON  
STIPITE A FILO PAVIMENTO





PORTA DI PIANO 3215-AUGUSTA EVO TY. 11/R-L SEC.EN81-58  
SERIES 3215-AUGUSTA EVO TY. 11/R-L LANDING DOOR ACC.EN81-58

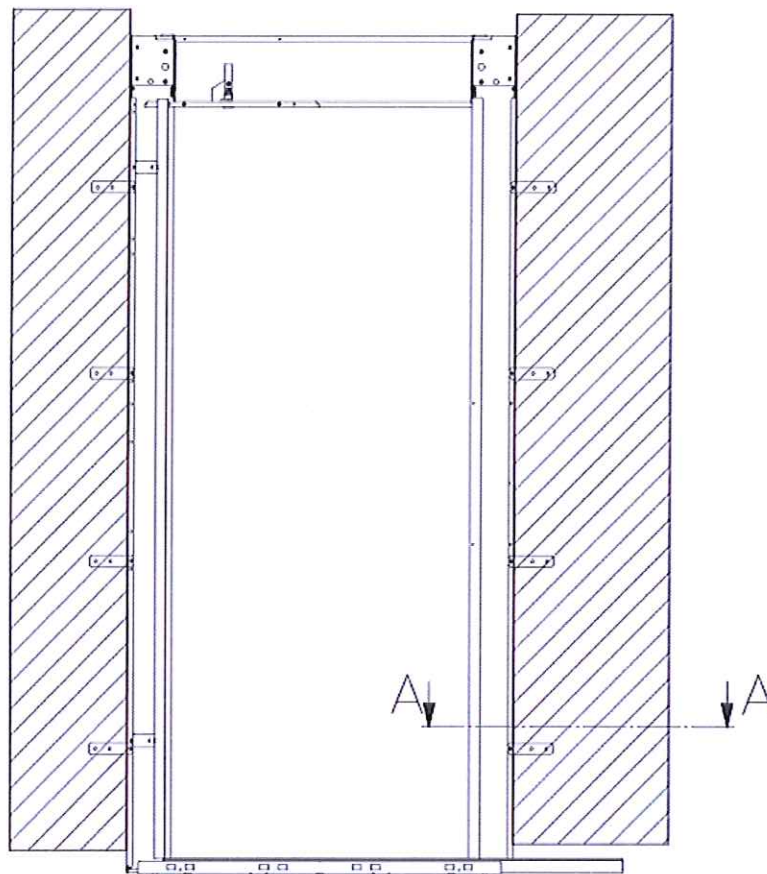
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DATE : 2017/03/23

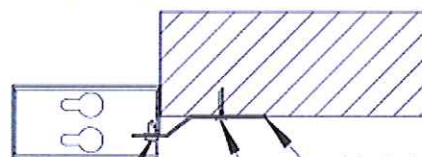
CODE No. 3215.34.0015V31

REVISION: A

LATERAL FIXATION OPTION



SECTION A-A



Metal Section 30x12

Anchor Bolt / Fastener Ø 6 mm

Self-drilling screw Ø 4,8 mm



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PORTA DI PIANO 3215-AUGUSTA EVO TY. 11/R-L SEC.EN81-58  
SERIES 3215-AUGUSTA EVO TY. 11/R-L LANDING DOOR ACC.EN81-58

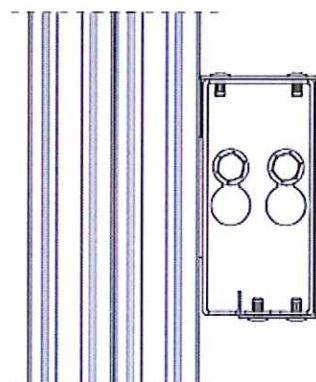
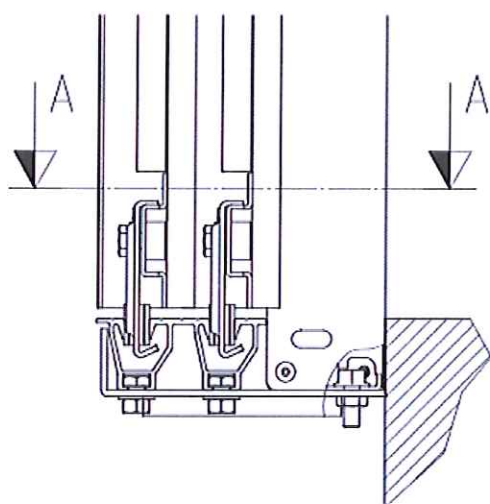
AUGUSTA EVO TY. 11/R-L

DATE : 2017/06/26

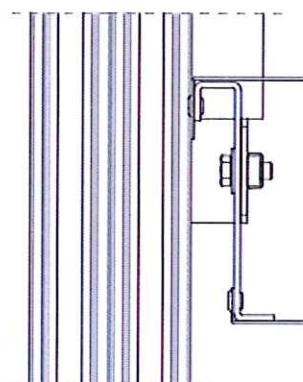
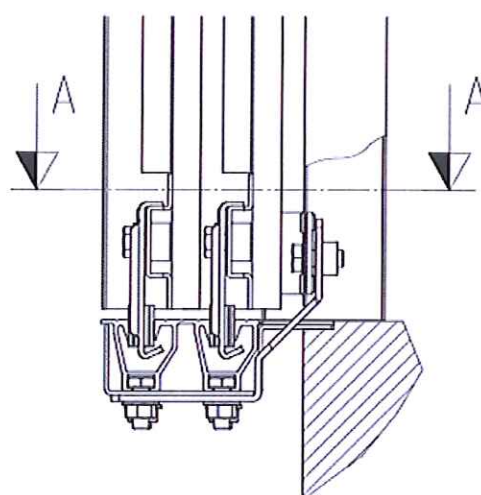
CODE No. 3215.34.0015V32

REVISION: 0

DETAIL AUGUSTA EVO SILL  
PARTICOLARE SOGLIA AUGUSTA EVO



SILL VARIANT WITH  
FLOOR LINE FRAME  
VARIANTE SOGLIA CON  
STIPIE A FILO PAVIMENTO



WITTUR HOLDING GMBH

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PORTA DI PIANO 3215-AUGUSTA EVO TY. 01/C, 11/R-L EI120/60 SEC.EN81-58  
SERIES 3215-AUGUSTA EVO TY. 01/C, 11/R-L LANDING DOOR EI120/60 CLASS ACC.EN81-58

AUGUSTA EVO TY. 01/C, 11/R-L

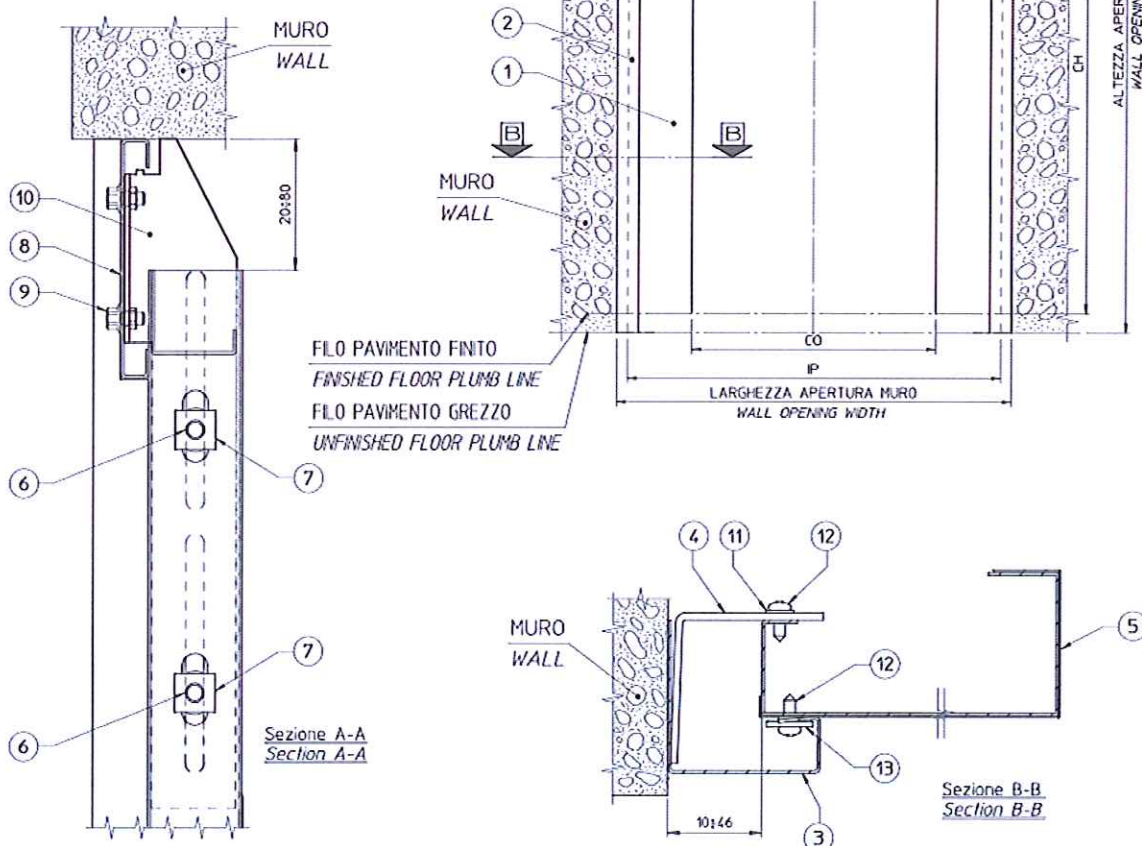
DATE : 2016/11/28

CODE No. 3250.34.0019V01

REVISION: A

13	RONDELLA SPECIALE SPECIAL WASHER	N	/
12	VITE AUTOPERFORANTE 4,8x13 SELF DRILLING SCREW 4,8x13	N	/
11	CONTACT WASHER M5x12 RONDELLA CONTACT M5x12	N	/
10	LAMERA AGGANCO COPRIF. SUP. TOP INFILL PLATE KEEP PLATE	2	EN 10130 +A1-DC 01
9	VITE TE FLANGIATA M5x10 HEXHEAD FLANGE SCREW M5x10	4	/
8	COPRIFESSURA SUPERIORE TOP INFILL PLATE	1	SEC.SPECIFICHE ACC.SPECIFES
7	DADO GABBIATO M8 CAGE NUT M8	4	/
6	VITE TE FLANGIATA M8x30 HEXHEAD FLANGE SCREW M8x30	4	/
5	STIPITE LATERALE LATERAL FRAME	2	SEC.SPECIFICHE ACC.SPECIFES
4	LAMERA AGGANCO COPRIF. LAT. LATERAL INFILL PLATE KEEP PLATE	2	EN 10130 +A1-DC 01
3	COPRIFESSURA LATERALE LATERAL INFILL PLATE	2	SEC.SPECIFICHE ACC.SPECIFES
2	ASSEMBLIE CALFEUTREMENT CALFEUTREMENT ASSEMBLY	1	/
1	ASSEMBLIE STIPITI FRAME ASSEMBLY	1	/
Pos.	Denominazione Denomination	No.	Materiale Material

VARIANTE CALFEUTREMENT  
GAP COVERING VARIANT  
(CALFEUTREMENT)



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PORTA DI PIANO 3215-AUGUSTA EVO TY. 01/C, 11/R-L EI120/60 SEC.EN81-58  
SERIES 3215-AUGUSTA EVO TY. 01/C, 11/R-L LANDING DOOR EI120/60 CLASS ACC.EN81-58

AUGUSTA EVO TY. 01/C, 11/R-L

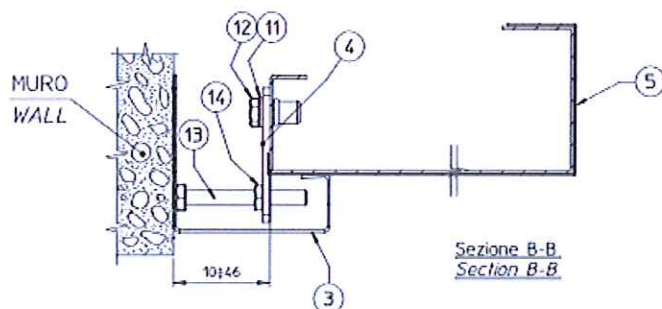
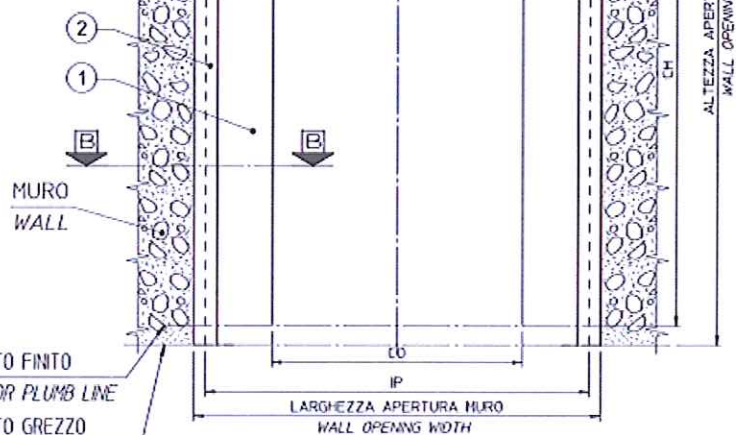
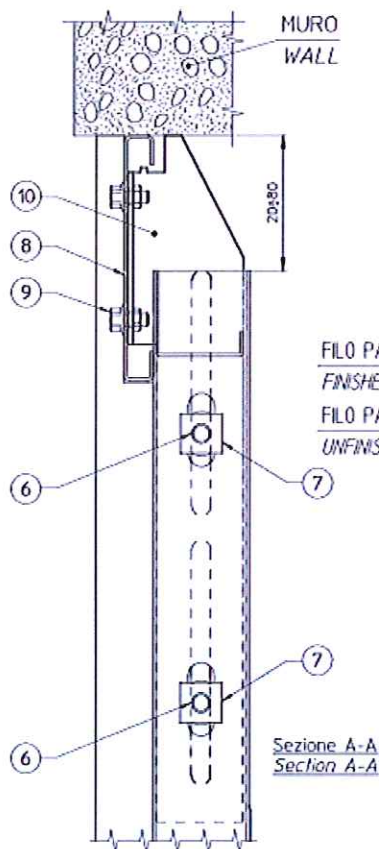
DATE : 2017/06/26

CODE No. 3250.34.0019V02

REVISION: 0

14	THN HEXAGONAL NUT M6 DADO ESAGONALE MEDIO M6	N	/
13	HEXAGONAL SCREW M6x45 VITE A TESTA ESAGONALE M6x45	N	/
12	HEXAGONAL SCREW M6x12 VITE A TESTA ESAGONALE M6x12	N	/
11	CONTACT WASHER M6x12 RONDELLA CONTACT M6x12	N	/
10	LAMERA AGGANCO COPRIF. SUP. TOP INFILL PLATE KEEP PLATE	2	EN 10130 +A1-DC 01
9	VITE TE FLANGIATA M5x10 HEXHEAD FLANGE SCREW M5x10	4	/
8	COPRIFESSURA SUPERIORE TOP INFILL PLATE	1	SECSPECIFICHE ACCESSORIES
7	DADO GABBATO M8 CAGE NUT M8	4	/
6	VITE TE FLANGIATA M5x30 HEXHEAD FLANGE SCREW M5x30	4	/
5	STIFITE LATERALE LATERAL FRAME	2	SECSPECIFICHE ACCESSORIES
4	LAMERA AGGANCO COPRIF. LAT. LATERAL INFILL PLATE KEEP PLATE	3	EN 10130 +A1-DC 01
3	COPRIFESSURA LATERALE LATERAL INFILL PLATE	2	SECSPECIFICHE ACCESSORIES
2	ASSEMBLIE CALFEUTREMENT CALFEUTREMENT ASSEMBLY	1	/
1	ASSEMBLIE STIPITI FRAME ASSEMBLY	1	/
Pos.	Denominazione Denomination	No.	Materiale Material

VARIANTE CALFEUTREMENT  
GAP COVERING VARIANT  
(CALFEUTREMENT)



## Assessment Summary for AUGUSTA EVO Lift Landing Doorsets

### Scope of Assessment

This summary has been prepared by Exova Warringtonfire and is a summary of the assessment report referenced below. Full details of the construction, justification for the conclusions given, along with validity statements are given in that report.

The lift landing doorsets have been appraised for **60 minutes integrity and insulation** performance (**EI60**), with respect to EN 81-58: 2003.

Report Reference	Period of Validity
WF Report No. 359081A	Until 1 <sup>st</sup> February 2021

### Appraised Scope


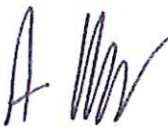
Door Configuration	Clear Opening Size Range (mm)			
	Min. Width	Max. Width	Min. Height	Max. Height
Two-Panel, Centre-Opening	600	1200	1800	2300
Two-Panel, Side-Opening	600	1200	1800	2300
Additional Modifications	OMISSIS			

Proprietà di



Property of



Signatories:	
	
Responsible Officer D Hankinson* - Principal Certification Engineer	Approved A Kearns * - Technical Manager

*This Assessment Summary is based upon a report prepared by Exova Warringtonfire. Full details of the constructions and justification for any opinions given, along with validity statements, are given in the referenced assessment report. The assessment report does not provide an endorsement by Exova Warringtonfire of the performance of the actual products supplied.*

*This Assessment Summary has been compiled between Exova Warringtonfire and Wittur Holding GmbH. It is intended to provide a brief outline of the above referenced assessment report and does not replace it.*

Proprietà di



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