

# Submission Guide for Fixed Installation (FI) Design Plan Approval

FormSG submission

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# Change Log

Version	Date Updated	Remarks
1.0	28 May 2025	First Version
1.1	2 Sep 2025	<ul> <li>Update to the convention for project reference number input</li> <li>Addition of point 7 to Annex A</li> </ul>
1.2	8 Oct 2025	Update of point 4 and addition of point 5 to Annex A

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#### **OBJECTIVES**

The objective of this Guide is to assist Specialist Professional Engineers (SPEs) and FI Contractors to submit for approval of FI design plans for new FI installations and FI intended to undergo major addition or replacement (A/R).

As announced in December 2024, The new Building Control (Fixed Installation) Regulations 2025 replaces the current Building Maintenance and Strata Management (Lift, Escalator and Building Maintenance) Regulations 2016. These new regulations will govern legislative requirements for lifts, escalators, and mechanised car parking systems (MCPS), collectively defined as fixed installations (FIs).

This Guide mainly serves to assist SPEs and contractors in using the FORMSG submission format to apply for design approval of FI plans. BCA has tried to minimise the number of details required for submission.

For construction projects involving gross floor area (GFA) larger than 5,000m<sup>2</sup>, BIM models of the projects, with key data structures related to the properties of the different entities and objects of the building needs to be included in the model. All disciplines (Architecture, Structural and MEP) will be required to submit to the authorities in BIM.

You can refer to the BIM Guide for Lift and Escalator on how to presents the minimum requirements in BIM for FI (which are required to comply with the Singapore Standard SS550 and SS626) and their components to be included in the submissions to BCA for approval.

#### 1 Overview of FI Plans Submission process

This guide should be read in conjunction with the **Guidebook for Plans Submission and PTO Application of Fixed Installations**. The guidebook illustrates the processes for the Fixed Installation (FI) Regulatory Regime at the various phases of the project to obtain the Permit to Operate (PTO).

New installation or certain major A/R works of lifts, escalators, vertical platform lifts and mechanised car parking system will require plan submission (refer to the First Schedule of the Building Control (Fixed Installations) Regulations 2025 for the list of major A/R works that require FI plans submission). Documentations and information required for the plan submission include equipment data details, layout plans, type testing certificates and reports (refer to the **Guidebook for Plans Submission and PTO Application of Fixed Installations).** 

The appointed Plan submission QP will be responsible for reviewing through and submitting the FI plans to BCA for design approval.

#### 1.1 Preparing for Submission

#### Project Reference Number

Prior to the submission, the Plan submission QP should have the project reference number ready. If the FI works is part of an existing building project in CORENET 2, the project reference number will be the same as the one used in CORENET 2 (e.g. A1234-00001-2025).

If there is no existing building project in CORENET 2 (i.e. there is no building plan or structural plans submission required for the FI works), the Plan submission QP will have to create a project reference number using the following convention:

- Exxxx(PE reg no.)-yyyyy (running number of project submitted by SPE for the year e.g. 00001 for the first project)-YEAR(e.g.2025).
- To add on additional submissions (e.g. escalator plans submission on top of existing lift plans submission), you can use back the same project reference number.

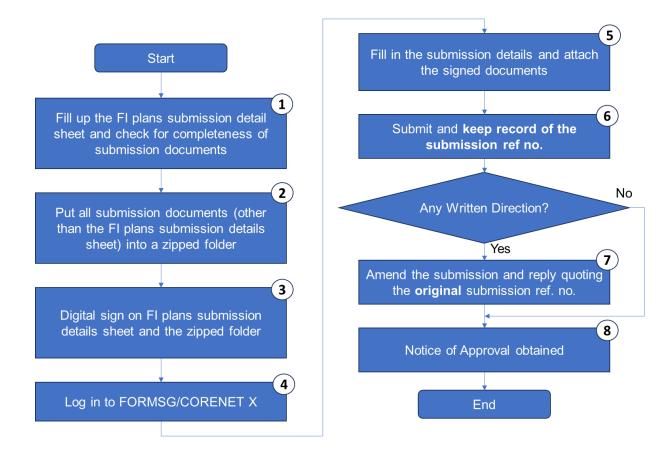
Please note that lift plans, escalator plans and MCPS plans have to submitted separately. If you are appointed to be the Plan submission QP for more than one plan type, you may assign the same project reference number to the plans e.g. E1234-00001-2025 in one submission for lift plans, and E1234-00001-2025 for the escalator plans.

### Submission Tools/Documents

The following will have to be ready on hand prior to the submission:

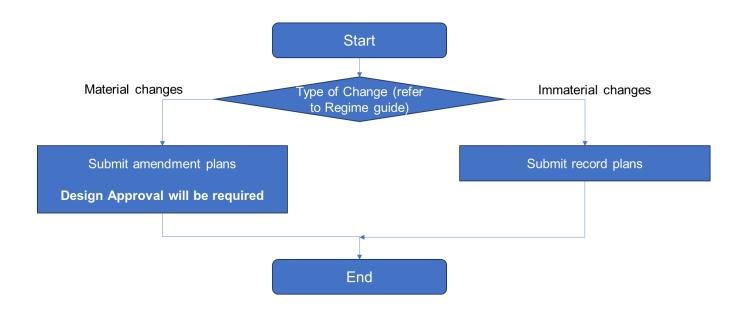
Item	Required action				
Netrust token	To apply for token, contact Netrust at customersupport@netrust.net				
Netrust Digital Signer	To download from Netrust webpage: <a href="https://www.netrust.net/resources/downloads/">https://www.netrust.net/resources/downloads/</a>				
(Refer to <b>Annex A</b> on how to fill in the FI details sheet)	To download form from BCA FI Regs webpage: https://www1.bca.gov.sg/regulatory-info/lifts-escalators/lifts- and-escalators-legislation/fixed-installation-regulations  After filling up the detail sheet, name the file as " <pre>project</pre> reference number>_FI details".				
<ul><li>Drawings</li><li>Certificates and reports</li><li>Other Documents</li></ul>	To work with lift installer  All to be zipped in one folder (name the folder as " <pre>reference number&gt;_other documents".</pre>				

#### 1.2 Steps of Submission



#### 1.3 Changes to approved design post submission (before PTO obtained)

If there are any changes made to the approved design after submission process is completed, but before PTO is issued, amendment plans or record plans will have to be submitted under the same project (using the related submission number as the original submission reference number):



#### 1.4 Changes to approved design post submission (after PTO obtained)

If there are any changes made to the approved design after submission process is completed after PTO is issued, and the change amount to a major A/R works that require plans submission, a new FI plans submission ("Major A/R works") will be required to be made under a new project (with new project reference number).

For major A/R works submission, you will need to submit the following details:

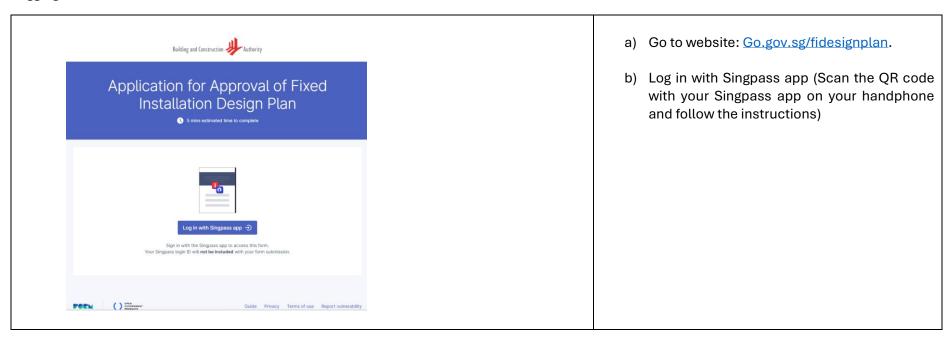
- Submit FI details sheet with "FI basic details" + "Code of practice" (and any COP related fields)+ specification fields that are affected by the major A/R works only
- Submit drawings, certificates and documents which are affected by the major A/R works only as well as authorisation form for appointment of plan submission QP and FI works contractor

# 2 Step-by-step guide to make FormSG submission for "Application for Approval of Fixed Installation Design Plan"

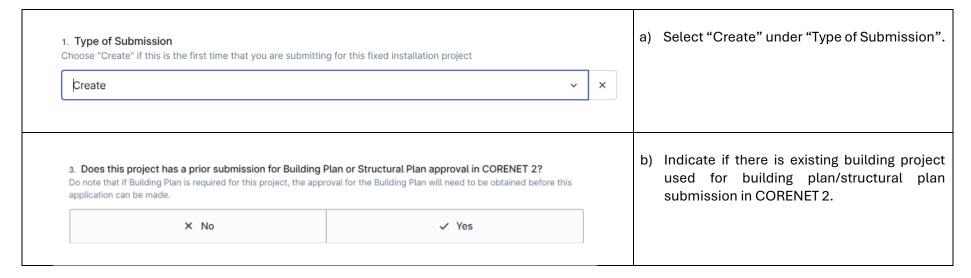
This form will be used for **first time submission**, **resubmissions** (i.e. amendment to original submission in response to written directions) as well as **submission of amendment plans**.

#### 2.1 First Time submission

#### Logging in



#### General details



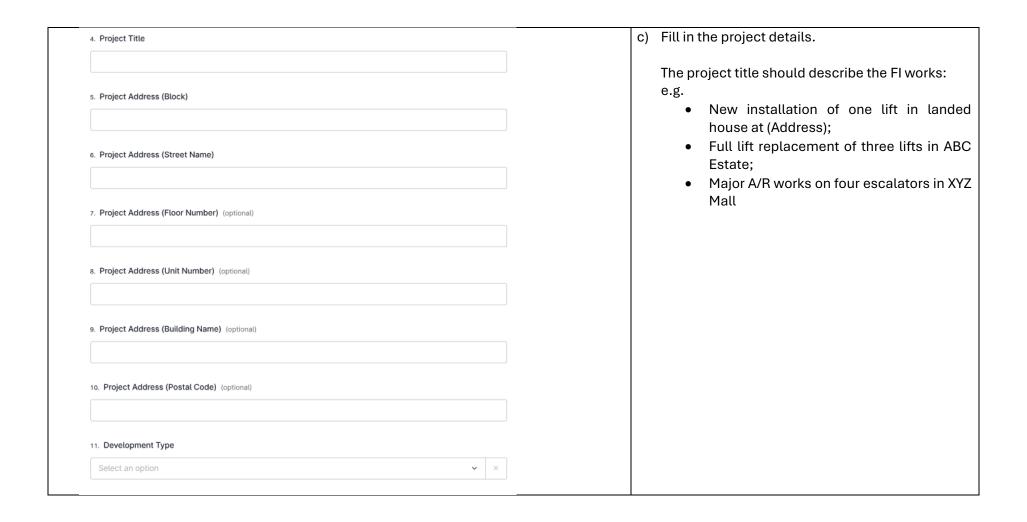
## Project details

(a) If there is an existing project in CORENET 2:

4. Project Reference Number  Note 1: Where there an existing Building Plan or Structural Plan in CoreNet for this submission, please enter the project reference number provided by the coordinating QP for e.g. A1234-00001-2025	a)	Fill in the project reference number of the existing project in CORENET 2 (e.g. A1234-00001-2025).
Note 2: Where there is no existing Building Plan or Structural Plan in CoreNet for this submission, please assign a new Project Reference Number based on the convention <exxxx-yyyyy-year> where <xxxx> is your PE registration number and <yyyyy> should be a running number used by you for FI plan project assignment e.g. E1234-00001-2025.</yyyyy></xxxx></exxxx-yyyyy-year>		Note: Do not include any submission number (e.g. BP01/ST01/LP01) to the back of the project reference number.

(b) If there are no existing project in CORENET 2:

4. Project Reference Number  Note 1: Where there an existing Building Plan or Structural Plan in CoreNet for this submission, please enter the project reference number provided by the coordinating QP for e.g. A1234-00001-2025	b)	Fill in the new project reference number that you are creating for the FI plan submission, following the naming convention (e.g. E1234-00001-2025).
Note 2: Where there is no existing Building Plan or Structural Plan in CoreNet for this submission, please assign a new Project Reference Number based on the convention <exxxx-yyyyy-year> where <xxxx> is your PE registration number and <yyyyy> should be a running number used by you for FI plan project assignment e.g. E1234-00001-2025.</yyyyy></xxxx></exxxx-yyyyy-year>		Note: Do not include any submission number (e.g. BP01/ST01/LP01) to the back of the project reference number.



#### **SPE Particulars**

12. Name PHUA CHU KANG	a)	Fill in your particulars.
13. SPE NRIC/FIN		
14. SPE PE Registration Number  -   +		
15. SPE Company Name		
16. SPE Company UEN		
17. SPE Address (Block)	b)	The SPE Address should be the address of your registered company or your residential address (if
18. SPE Address (Street Name)		there are no company address).

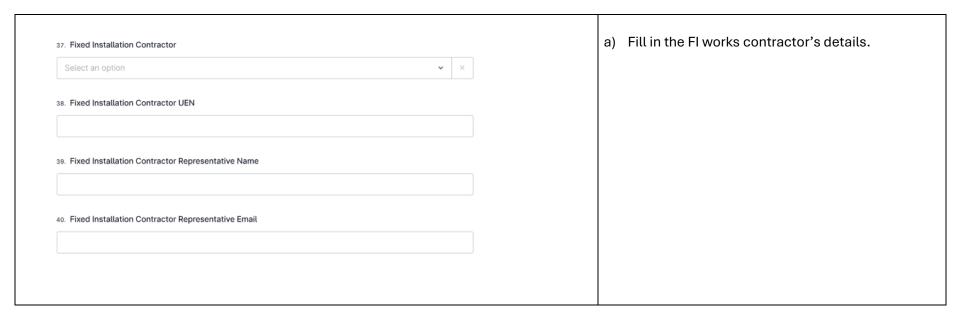
19. SPE Address (Floor Number) (optional)	
20. SPE Address (Unit Number) (optional)	
21. SPE Address (Building Name) (optional)	
22. SPE Address (Postal Code)	
23. Mobile number	
9876 5432	
24. SPE Email  Verify	c) A verification is required for the "SPE Email" field. Once you clicked on "Verify", an OTP will be sent to the email provided. Key in the OTP into the populated OTP field in the form to complete the
	verification.

## Owner Particulars (the following section will only be displayed if "Create" is selected for "Type of submission")

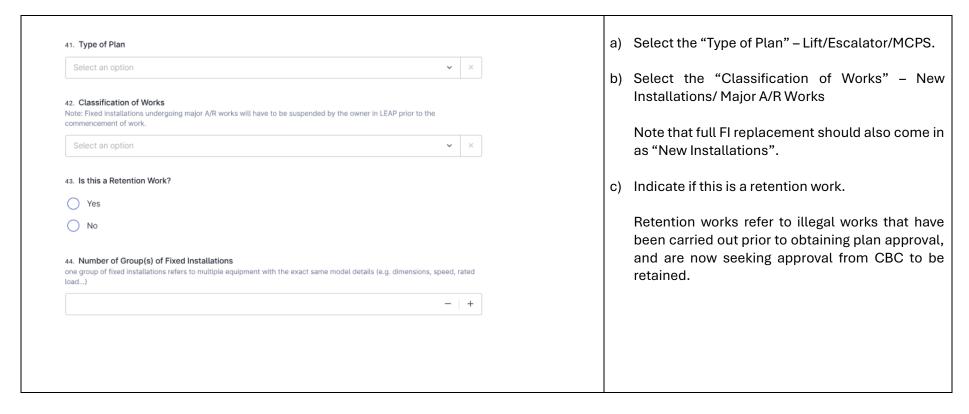
25. Owner Type  Individual  Company	a) Fill in the owner/developer's particulars.  Choose "individual" if the owner/developer is a private home owner or "company" if it is a firm.
26. Owner Name	
Or	b) The field displayed will be either "Owner NRIC/FIN" (for "individual" owner type) or "Owner UEN" for ("company" owner type).
27. Owner UEN	

27. Owner Address (Block)		
28. Owner Address (Street Name)		
29. Owner Address (Floor Number) (optional)		
30. Owner Address (Unit Number) (optional)		
31. Owner Address (Building Name) (optional)		
32. Owner Address (Postal Code)		
33. Owner Representative Name "NA" if no representative		
34. Owner Representative Contact Number Owner contact number if no representative	c)	Fill in the owner representative name, contact number and email if applicable. Otherwise, follow the instructions to fill in 'NA' or the owner's details accordingly.
-   +		accordingly.
Owner email if no representative		

#### FI Works Contractor Particulars



#### Submission details



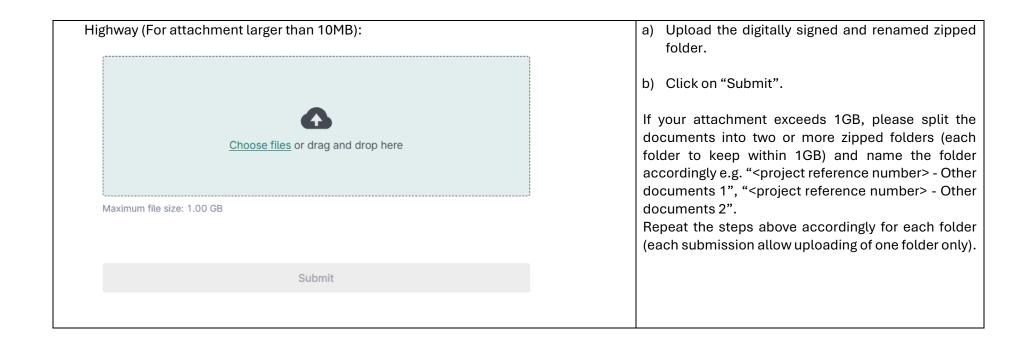
44. Scope of Major A/R Works (Lift)		ne following field will only be displayed if the
Adding a car entrance	"C	Classification of Works" is "Major A/R Works",
Adding a landing entrance	۹)	Check on the relevant scope of major A/R works
Changing an E/E/PE	u,	conducted.
Changing the access to the machinery spaces		
Changing the ascending car overspeed protection means	e)	,
Changing the brake system		new landing entrance at level 10, with the extension of the lift shaft from level 9 to level 10"
Changing the buffer		extension of the tilt shart from level 9 to level 10
Changing the car bottom clearances and overhead clearances		
Changing the car mass by 5% or more		
Changing the door locking device type		
Changing the guiderail size		
Changing the number or size of a hoisting rope		
45. Description of Change (Lift)		

Number of Group(s) of Fixed Installations group of fixed installations refers to multiple equipment with the exact same model details (e.g. dimensions, s I)

- f) Indicate the number of groups of fixed installations in the submission, as per grouping in the FI details sheet (refer to **Annex A**).
  - E.g. if the lifts in the FI details sheet are grouped Groups 1 and 2, then it should be indicated as '2' in this field.

#### **Attachments**

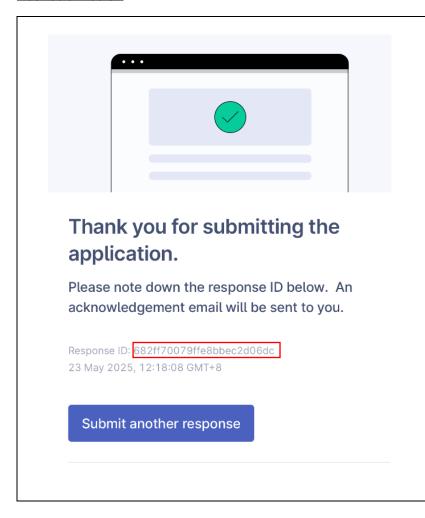
53. Attachment (Fixed Installation Details) (optional) (excel sheet for equipment details)  Please download the excel from <a href="https://www1.bca.gov.sg/regulatory-info/lifts-escalators/lifts-and-escalators-legislation/fixed-installation-regulations">https://www1.bca.gov.sg/regulatory-info/lifts-escalators/lifts-and-escalators-legislation/fixed-installation-regulations</a>	Refer to <b>section 1.1</b> on how to prepare the documents before upload.  a) Upload the digitally signed and renamed FI details
Please rename the file with the project reference number indicated (e.g. A1234-00001-2025_FI details.xlsx) and encrypt the file with Netrust Digital Signer before uploading.	sheet.
Choose file or drag and drop here  Maximum file size: 7 MB  54. Attachment (Other files) (optional)	
Please zip your files (.zip only) and rename the file name with the project reference number indicated (e.g. A1234-00001- 2025_other documents.zip), and encrypt the zipped folder with Netrust Digital Signer before uploading: a) authorisation form for appointing QP and FI works contractor; b) drawings;	b) Upload the digitally signed and renamed zipped folder.
) type testing certificates;  I) other supporting documents (if applicable) e.g. brochures or other equipment specifications.	If this attachment exceeds 10MB, click on the link <a href="https://highway.gov.sg/public/OiZiyOrbi1Fsihwq">https://highway.gov.sg/public/OiZiyOrbi1Fsihwq</a> and proceed to Highway to upload the attachment instead.
<u>Choose file</u> or drag and drop here	



#### **Declaration and Submission**

<ul> <li>I confirm that I have been appointed under regulation 20 or 22 of the Building Control (Fixed Installations) Regulations 2025 ("Regulations") as the Qualified Person in respect of the building fixed installation works herein described</li> <li>I certify and declare to the Commissioner of Building Control that (i) the fixed installation works shown in the plans submitted with this application are in accordance with the Regulations and applicable standard, subject to such waiver/modification granted under regulation 44 of the Regulations; and (ii) the particulars as stated in these forms and this application are correct.</li> </ul>	<ul><li>Going back to the same form in FormSG:</li><li>a) Check on the checkboxes to complete both declarations.</li><li>b) Click "Submit now" to complete the submission.</li></ul>
Submit now	

#### Post Submission



You will receive an acknowledgement from FormSG upon submission.

#### a) Keep a record of the response ID.

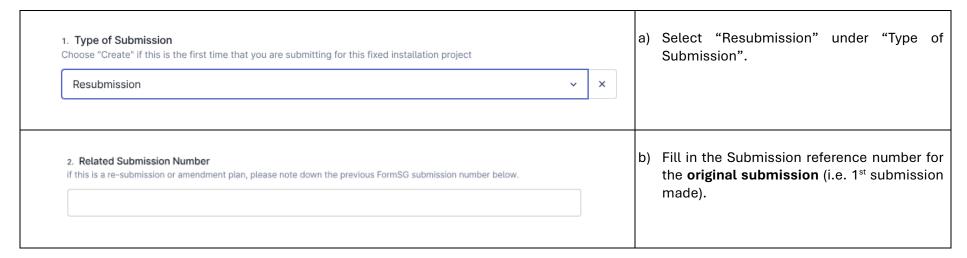
This number shall be used as the **submission reference number** for followup correspondence, as well as the "**Related Submission Number**" for resubmissions, amendment plan submissions or record plan submissions.

Subsequent correspondences (including the issuance of Written Directions, Notice of Approvals, Notice of Disapprovals) will be via email.

#### 2.1 Resubmission

The Processing Officer will inform you to do a resubmission via FormSG if required. You can use the same form as the first submission for a resubmission (Go.gov.sg/fidesignplan).

#### General details



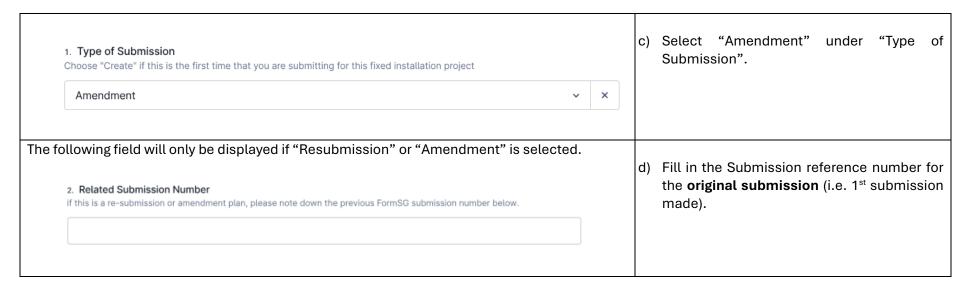
Fill in the rest of the form according to the same steps in the previous section.

Submit the respective documents or data lacking in the previous submission (e.g. missing or incorrect lift specifications, missing drawings, invalid or missing certificates) or as required, according to the correspondence with the processing officer. The FI details sheet, if resubmitted, should be filled in with complete submission details (and incorporating the new changes).

#### 2.2 Amendment plan submission

If there are changes to design post approval prior to PTO issuance that are considered as material changes, an amendment plan will have to be submitted. You can use the same form as the first submission for a resubmission (<u>Go.gov.sg/fidesignplan</u>).

#### General details



Fill in the rest of the form according to the same steps in the previous section.

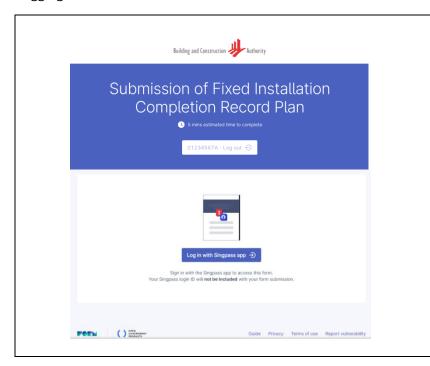
Amend the full set of documents (FI detail sheet, Other documents zipped folder etc) accordingly and resubmit the attachments accordingly.

# 3 Step-by-step guide to make FormSG submission for "Submission of Fixed Installation Completion Record Plan"

If there are changes to design post approval prior to PTO issuance that are considered as immaterial changes, a record plan will have to be submitted.

Amend the full set of documents (FI detail sheet, Other documents zipped folder etc) accordingly and resubmit the attachments accordingly.

#### Logging in



- a) Go to website: Go.gov.sg/firecordplan.
- b) Log in with Singpass app (Scan the QR code with your Singpass app on your handphone and follow the instructions)

#### General details

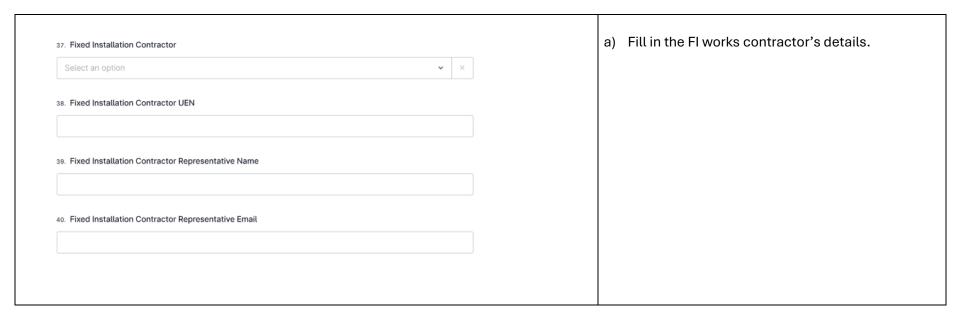
Related Submission Number  Please note down the previous FormSG submission number below.	a) Fill in the Submission reference number fo the <b>original submission</b> (i.e. 1 <sup>st</sup> submission made) made using the form in section 2.

#### **SPE Particulars**

12. Name PHUA CHU KANG		a)	Fill in your particulars.
13. SPE NRIC/FIN			
14. SPE PE Registration Number  -   +			
15. SPE Company Name			
16. SPE Company UEN			
17. SPE Address (Block)	]	b)	The SPE Address should be the address of your registered company or your residential address (if
18. SPE Address (Street Name)			there are no company address).

19. SPE Address (Floor Number) (optional)	
20. SPE Address (Unit Number) (optional)	
21. SPE Address (Building Name) (optional)	
22. SPE Address (Postal Code)	
23. Mobile number	
9876 5432	
Verify	c) A verification is required for the "SPE Email" field. Once you clicked on "Verify", an OTP will be sent to the email provided. Key in the OTP into the populated OTP field in the form to complete the
	verification.

#### FI Works Contractor Particulars

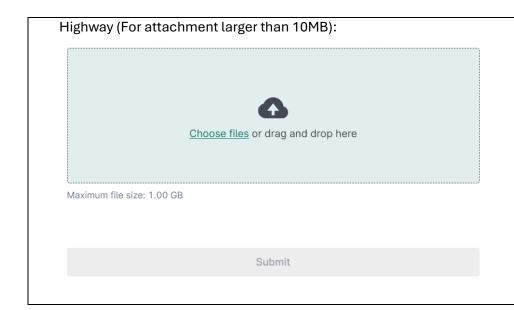


#### **Submission Details**



#### **Attachments**

21. Attachment (Fixed Installation Details) (optional) (excel sheet for equipment details)  Please download the excel from <a href="https://www1.bca.gov.sg/regulatory-info/lifts-escalators/lifts-and-escalators-legislation/fixed-installation-regulations">https://www1.bca.gov.sg/regulatory-info/lifts-escalators/lifts-and-escalators-legislation/fixed-installation-regulations</a> Please rename the file with the project reference number indicated (e.g. A1234-00001-2025_FI details.xlsx) and encrypt the file with Netrust Digital Signer before uploading.	a) Upload the digitally signed and renamed FI details sheet.
Choose file or drag and drop here	
22. Attachment (Other files) (optional)  Please zip your files (.zip only) and rename the file name with the project reference number indicated (e.g. A1234-00001-2025_other documents.zip), and encrypt the zipped folder with Netrust Digital Signer before uploading the documents relevant to the immaterial change(s): a) authorisation form for appointing QP and FI works contractor(only required if there is a change in QP or FI works contractor from the original submission); b) drawings; c) type testing certificates; d) other supporting documents (if applicable) e.g. brochures or other equipment specifications.	<ul> <li>b) Upload the digitally signed and renamed zipped folder.</li> <li>If this attachment exceeds 10MB, click on the link <a href="https://highway.gov.sg/public/gfOZ0IXGsX2ZZzB1">https://highway.gov.sg/public/gfOZ0IXGsX2ZZzB1</a> and proceed to Highway to upload the attachment instead.</li> </ul>
Choose file or drag and drop here	
t. Maximum file size: 10 MB	



- c) Upload the digitally signed and renamed zipped folder.
- d) Click on "Submit".

If your attachment exceeds 1GB, please split the documents into two or more zipped folders (each folder to keep within 1GB) and name the folder accordingly e.g. "creference number> - Other documents 1", "project reference number> - Other documents 2".

Repeat the steps above accordingly for each folder (each submission allow uploading of one folder only).

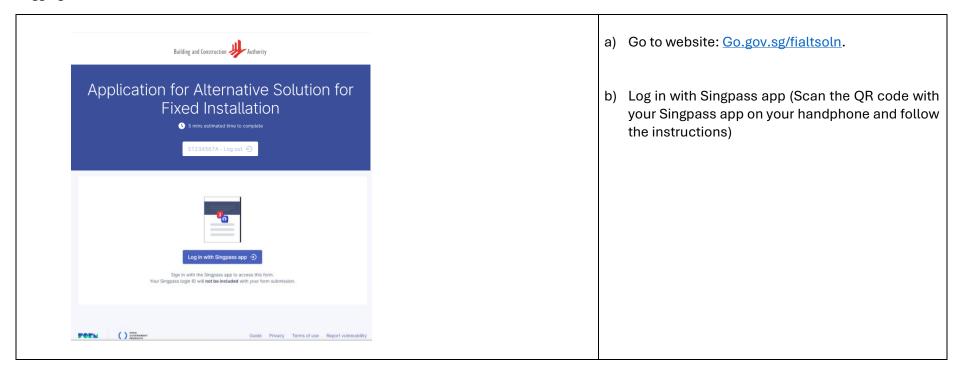
#### **Declaration and Submission**

I confirm that I have been appointed under regulation 20 or 22 of the Building Control (Fixed Installations) Regulations 2025 ("Regulations") as the Qualified Person in respect of the building fixed installation works herein described, and have been authorised by the Developer to submit these Record Plans under regulation 14(5) of the Regulations.  I certify and declare to the Commissioner of Building Control that, to the best of my knowledge and	<ul><li>Going back to the same form in FormSG:</li><li>a) Check on the checkboxes to complete both declarations.</li><li>b) Click "Submit now" to complete the submission.</li></ul>
belief, all the departures and deviations shown in the Record Plans submitted herein are immaterial changes to the fixed installation works in that the changes made to the plans approved pursuant to regulation 10 of the Regulations they are not material changes as defined in regulation 2 of the same.	
Submit now	

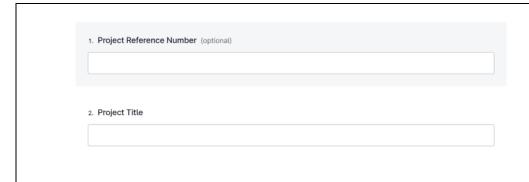
No further actions are required post submission.

## 4 Step-by-step guide to make FormSG submission for "Application for Alternative Solution for Fixed Installation"

#### Logging in



#### **Project Details**



- a) If there is an existing project, fill in the project reference number. Otherwise, leave the field blank.
- b) If there is an existing project, fill in the project title. Otherwise, provide a simple tentative project title to describe the FI works e.g. "New Installation of a lift at <Address>"

#### **SPE Particulars**



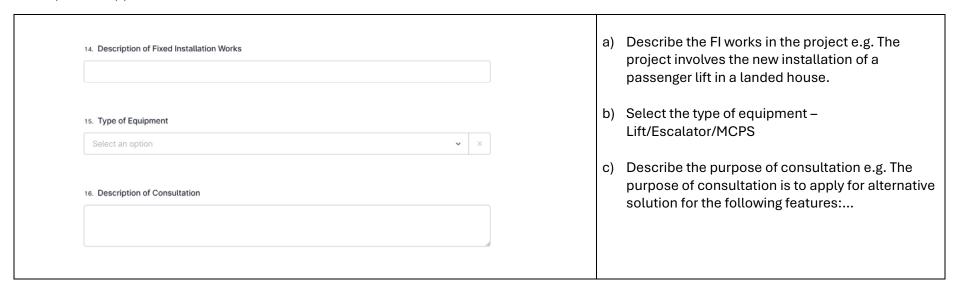
#### Owner Particulars

7. Owner Name	a) Fill in the owner's particulars.
s. Owner UEN / NRIC	
9. Owner Address	
10. Owner Contact Number	
6123 4567	
11. Owner Email	

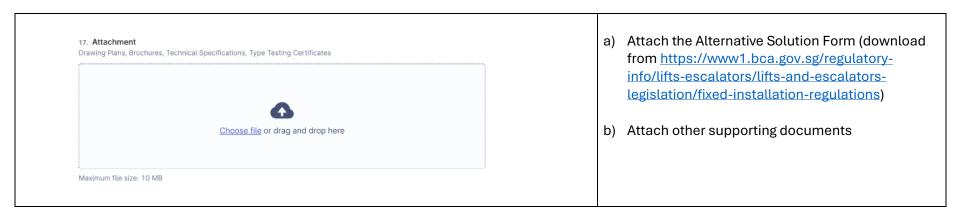
#### FI Works Contractor Particulars



#### **Description of Application**

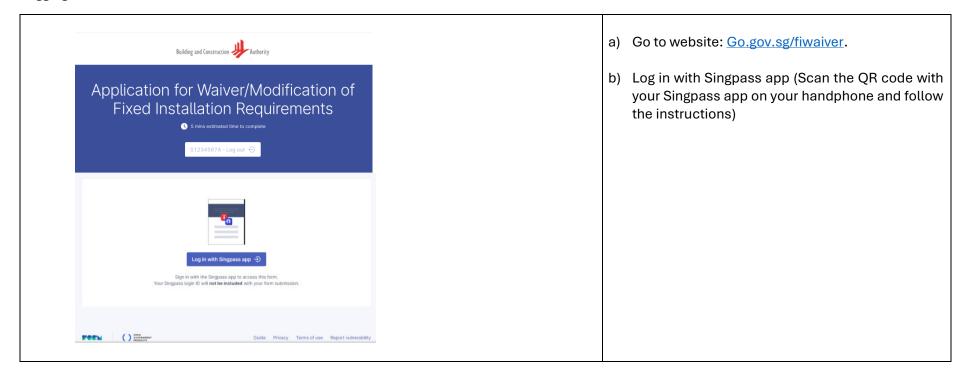


#### **Attachment**

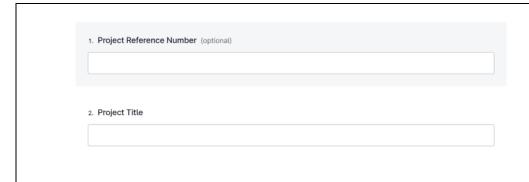


# 5 Step-by-step guide to make FormSG submission for "Application for Waiver/Modification of Fixed Installation Requirements"

#### Logging in



#### **Project Details**



- a) If there is an existing project, fill in the project reference number. Otherwise, leave the field blank.
- b) If there is an existing project, fill in the project title. Otherwise, provide a simple tentative project title to describe the FI works e.g. "New Installation of a lift at <Address>"

#### **SPE Particulars**



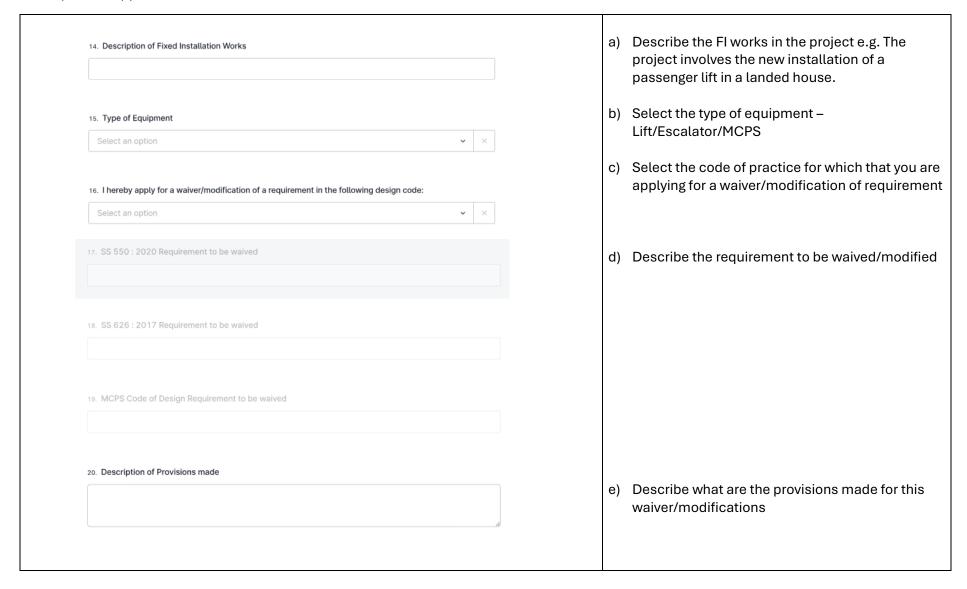
#### Owner Particulars

7. Owner Name	a) Fill in the owner's particulars.
s. Owner UEN / NRIC	
9. Owner Address	
10. Owner Contact Number	
6123 4567	
11. Owner Email	

#### FI Works Contractor Particulars



#### **Description of Application**

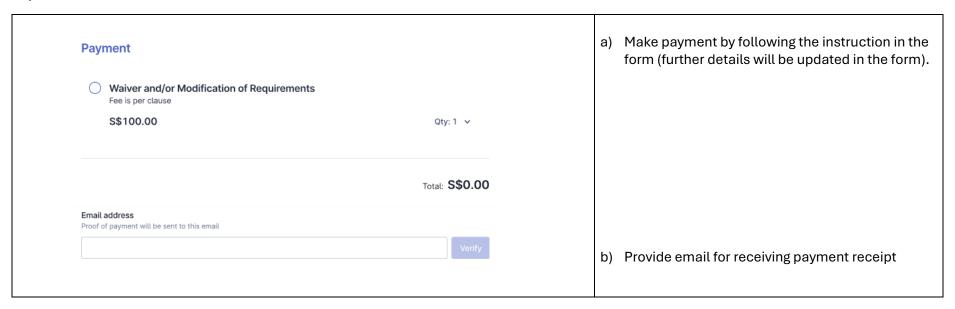


21. Rationale in support of provisions	f) Provide the rationale why the waiver/modification is required

#### **Attachment**

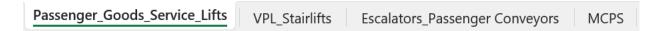


#### <u>Payment</u>



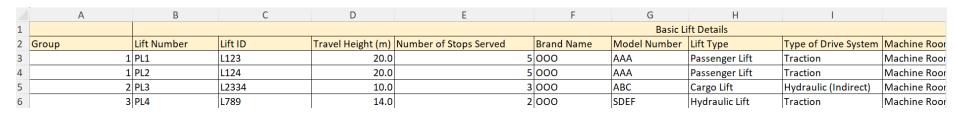
### Annex A – Filling in the FI details sheet

- 1. Download the FI details sheet from <a href="https://www1.bca.gov.sg/regulatory-info/lifts-escalators/lifts-and-escalators-legislation/fixed-installation-regulations">https://www1.bca.gov.sg/regulatory-info/lifts-escalators/lifts-and-escalators-legislation/fixed-installation-regulations</a>.
- 2. DO NOT change the format of the file. Keep it as .xlsx.
- 3. Select the tab corresponding to the plan type you are submitting Passenger\_Goods\_Service\_Lifts/VPL\_Stairlifts/Escalators\_Passenger Conveyors/MCPS.



Note: If you have both "Passenger\_Goods\_Service\_Lifts" and "VPL\_Stairlifts" in your project and the appointed lift installation contractor and SPE are the same for both lift types, you can fill in both tabs and submit the details in one single lift plan submission.

4. For FI with the same basic details and specifications e.g. 2 lifts with the same models in the same lift lobby, you can group them in one group e.g. Group 1 and fill in column A accordingly (as shown in the screenshot). Subsequent FI with different details or specifications can be assigned to a new group e.g. Group 2, Group 3... **Do not leave "Group" field blank.** 



5.	If the FI is in a different address from the main project address (eg multiple estates in one submission), please include the actual address or
	the FI under the FI number as shown in below examples. <b>Do not fill in the same FI number for different Fis in the same submission.</b>

Lift Number	
A (123 Road A)	
A (1 Road B)	

6. Fill in the rest of the fields accordingly. DO NOT fill in the cells which are shaded as those fields will be auto-populated based on your input values for other related cells.

Car Height (mm)	Clear Platform area (m²)	Car Mass (kg)	

- 7. For New Installations, the FI detail sheet has to be filled in with full details of all the FI in the project. This will apply to the 1<sup>st</sup> submission of FI plans, resubmission, submission of amendment plans and record plans. You are advised to always keep a copy of the original detail sheet filled in for each submission so that changes can be made easily for any subsequent submissions.
- 8. For Major A/R works, the FI detail sheet has to be filled in for all the fields under the "Basic FI detail" section, the "Code of Practice" related fields under "Specifications" section as well as the relevant data fields related to the works. The other fields can be left blank.
- 9. Please note that you cannot select the coloured cells when you want to duplicate a row of data (such as during the creation of a new equipment record). Please do block select (i.e. select sections by section in between coloured cells) for copying.