POINTERS FOR SHELTER WAIVER APPLICATIONS

LTA RAYMOND CHONG
HEAD SHELTER INSPECTION SECTION

SCOPE

- Introduction
- Procedure
- Application Form
- Points To Note
- Essential Documents/Information
- Examples Of Practices On Provision Of Information
- Conclusion

INTRODUCTION

- Design and construction of household/storey shelters unable to meet fully the requirements e.g. due to space or site constraints.

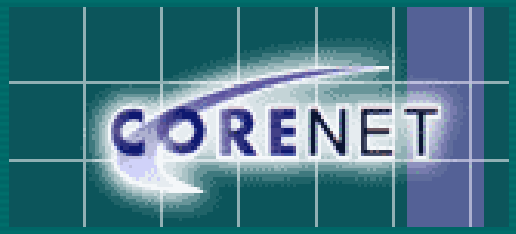
- QPs may apply for waiver to Technical Requirements For Household/Storey Shelters.

- Shelter waiver applications are submitted on-line through CORENET

INTRODUCTION

- Shelter waiver applications that are incomplete in terms of supporting documents, essential information or proposed solutions etc.
- Impact on processing time.
- Areas for applicants to take note in making shelter waiver applications.

PROCEDURE



FISOPS

1) QP

- Submit Shelter Waiver Application Form (FSSD-0-WVCDSR)
- Submit Supporting Documents e.g. approved plans, proposed solutions, calculations, method of statements etc

2) FSSD

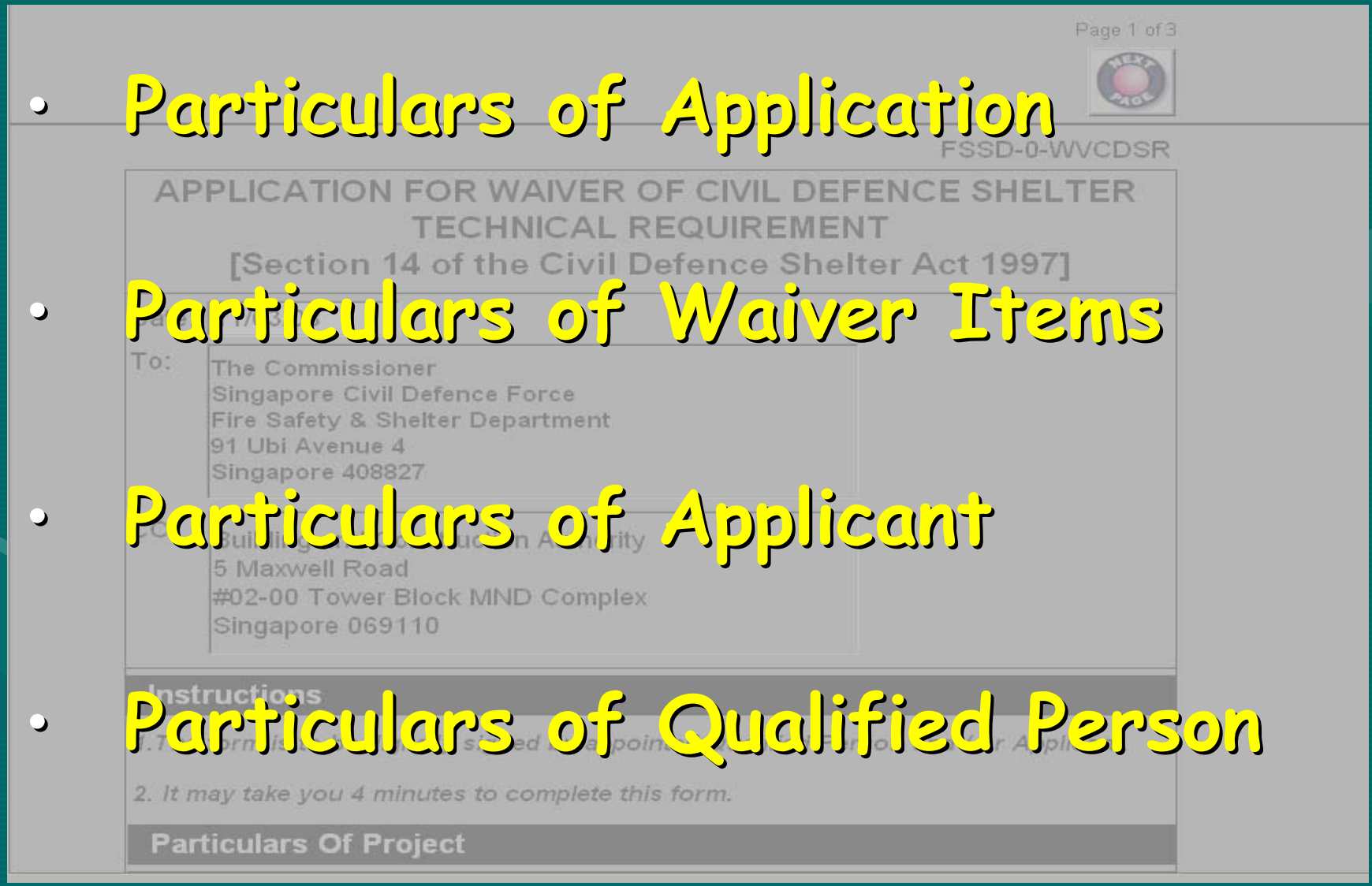
- Process waiver Application

WAIVER DECISION

3) FSSD

Issue Waiver Decision Letter

SHELTER WAIVER APPLICATION FORM



- Particulars of Application
- Particulars of Waiver Items
- Particulars of Applicant
- Particulars of Qualified Person

SHELTER WAIVER APPLICATION FORM

FSSD-0-WVCDSR

APPLICATION FOR WAIVER OF CIVIL DEFENCE SHELTER TECHNICAL REQUIREMENT
[Section 14 of the Civil Defence Shelter Act 1997]

Date: 11/03/08

To:
The Commissioner
Singapore Civil Defence Force
Fire Safety & Shelter Department
91 Ubi Avenue 4
Singapore 408827

CC:
Building and Construction Authority
5 Maxwell Road
#02-00 Tower Block MND Complex
Singapore 069110

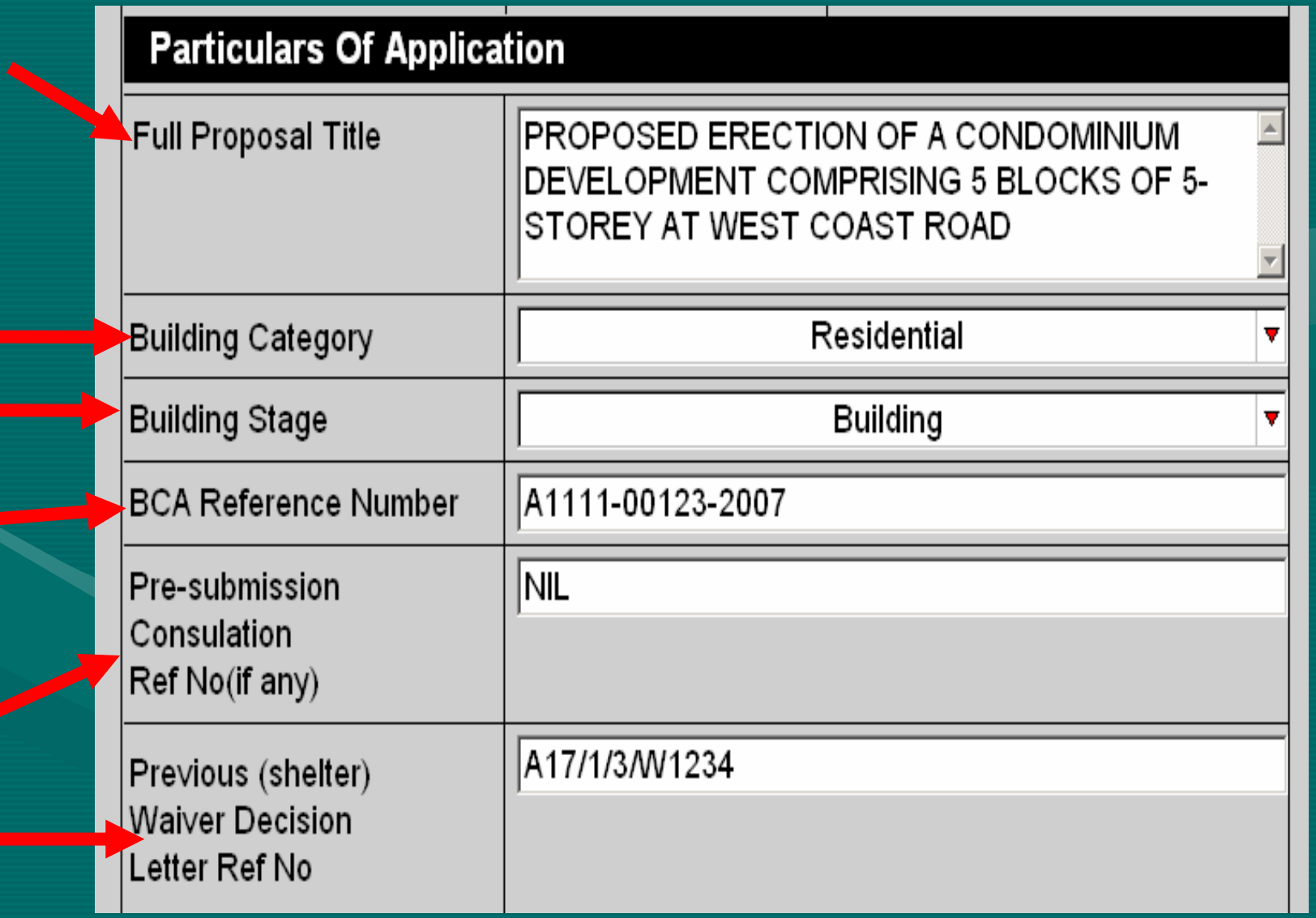
Instructions

1.The form is to be digitally signed by appointed Qualified Person and / or Applicant.

2. It may take you 4 minutes to complete this form.

Particulars Of Project

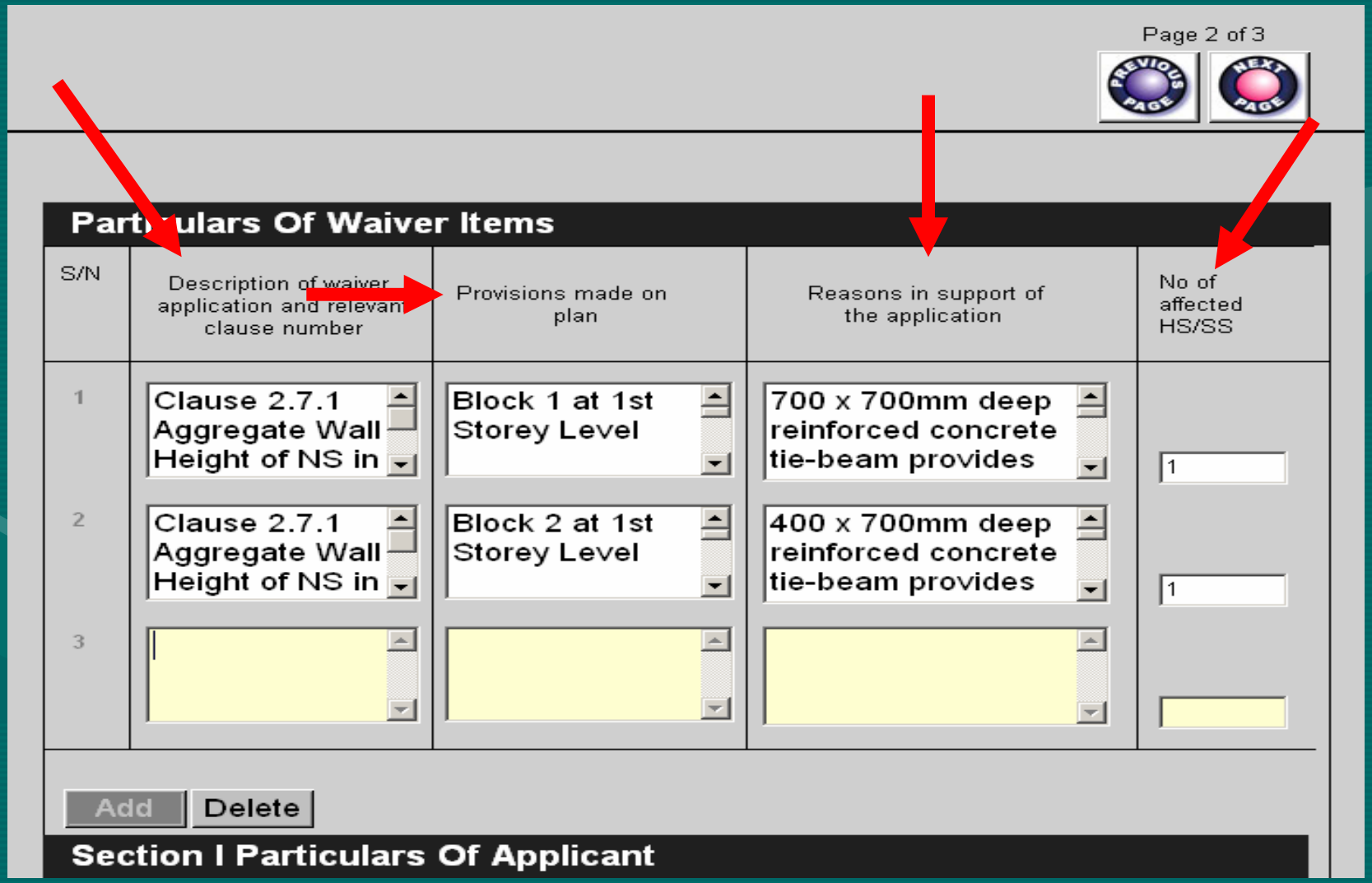
SHELTER WAIVER APPLICATION FORM



Particulars Of Application

Full Proposal Title	PROPOSED ERECTION OF A CONDOMINIUM DEVELOPMENT COMPRISING 5 BLOCKS OF 5-STOREY AT WEST COAST ROAD
Building Category	Residential
Building Stage	Building
BCA Reference Number	A1111-00123-2007
Pre-submission Consulation Ref No(if any)	NIL
Previous (shelter) Waiver Decision Letter Ref No	A17/1/3/W1234

SHELTER WAIVER APPLICATION FORM



SHELTER WAIVER APPLICATION FORM

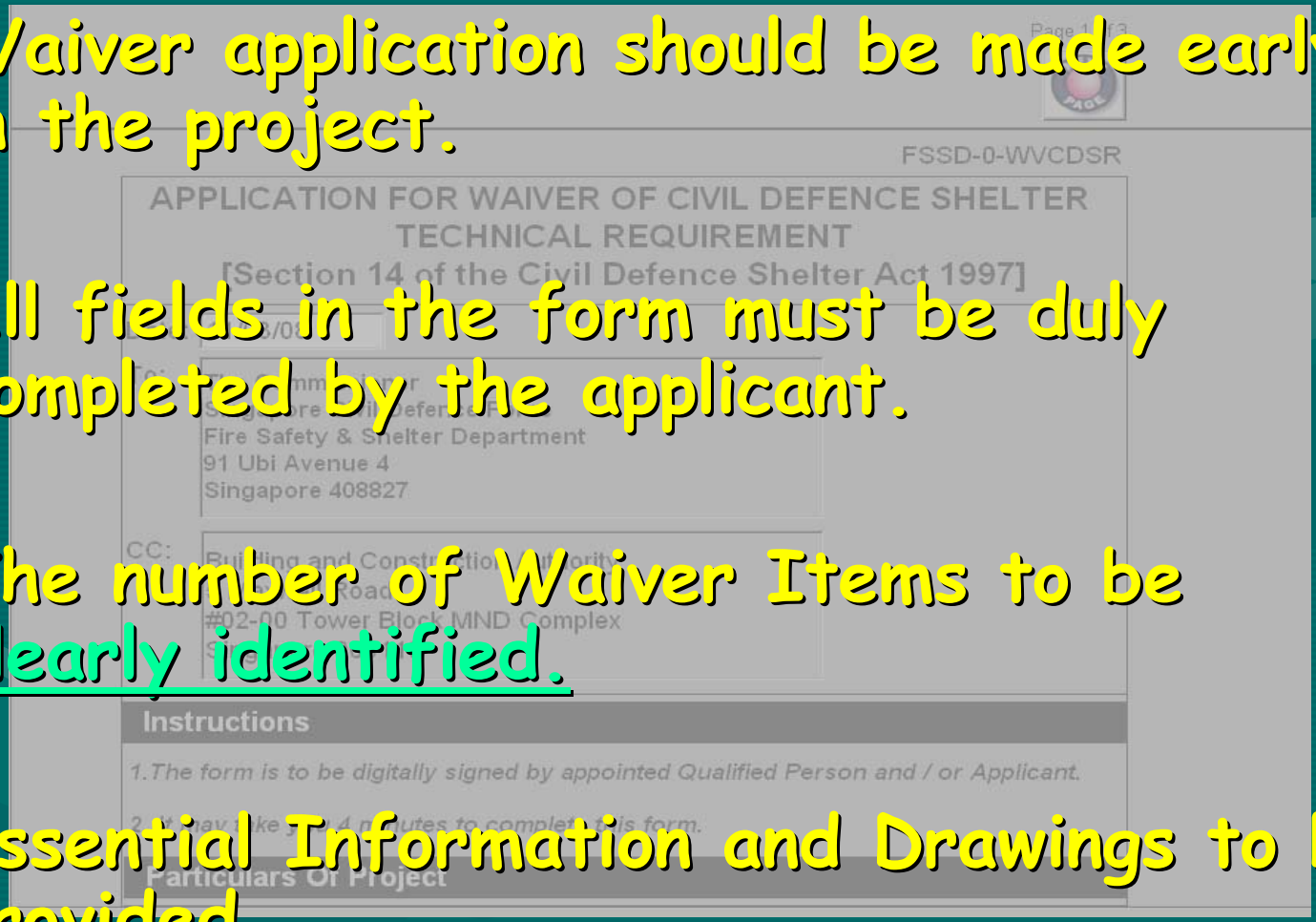
Section I Particulars Of Applicant	
Name	LEE WEE KEE
NRIC No / Passport No	S1234567S
Designation	DIRECTOR
Firm Name	ABC PTE LTD
Address	88 SHENTON WAY
Telephone No.	61234567
Extension No.	NIL
Fax No.	67654321
Email Address	LEE_WEE_KEE@ABC.COM

SHELTER WAIVER APPLICATION FORM

Section II Particulars Of Qualified Person	
Name	TAN BAN TAN
Role In Project	ARCHITECT
Registration No	1234
NRIC No / Passport No	S0202045G
Firm Name	88 ARCHITECT PTE LTD
Address	88 ROBINSON ROAD
Telephone No.	65656565
Extension No.	88
Fax No.	65656656
Email Address	BAN_TAN_TAN@88ARCHITECT.COM

POINTS TO NOTE

- Waiver application should be made early in the project.
- All fields in the form must be duly completed by the applicant.
- The number of Waiver Items to be clearly identified.
- Essential Information and Drawings to be provided.


FSSD-0-WVCDSR

APPLICATION FOR WAIVER OF CIVIL DEFENCE SHELTER TECHNICAL REQUIREMENT

[Section 14 of the Civil Defence Shelter Act 1997]

Fire Safety & Shelter Department
91 Ubi Avenue 4
Singapore 408827

#02-00 Tower Block, MND Complex

Instructions

1.The form is to be digitally signed by appointed Qualified Person and / or Applicant.

ESSENTIAL DOCUMENTS/INFORMATION

1) Relevant Clause No. & Description

- To indicate the specific Clause number where waiver is required.

- To explain the waiver issue specific to the project e.g. specific unit type at which level or which tower/block etc.

ESSENTIAL DOCUMENTS/INFORMATION

1) Relevant Clause No. & Description (Example)

Clause Number:

HS Technical Requirements: Clause 2.3.4.

Waiver Issue:

Unable to provide sufficient setback distances for the HS of a 30 storey tower, to comply with Tables 2.3.4 (a) & (b) (with RC down-hang beams along EBL).

Affected HS units on 7th-18th storey of tower 1.

ESSENTIAL DOCUMENTS/INFORMATION

2) Provisions Made On Plan

- To describe the specific provisions made to compensate for the shortfall.
- To show on plan the exact locations and specifications of the provisions made.
- To attach and mark the relevant drawings/plans.

ESSENTIAL DOCUMENTS/INFORMATION

2) Provisions Made On Plan (Example)

Proposed to shield the SS door with a series of RC ledges wall and parapet wall within 45 degree limit.

250mm thick RC parapet and 300mm width,700mm deep downhang beam provided. Refer to Drawing 1.

125mm thick and 4000mm long RC ledge is provided as an overhang at every floor to shield the HS. Refer to Drawings 2 & 3.

ESSENTIAL DOCUMENTS/INFORMATION

3) Reasons In Support Of Application

- To explain the reasons for not meeting the requirements fully.
- To provide justifications in support of the alternative provisions made.

ESSENTIAL DOCUMENTS/INFORMATION

3) Reasons In Support Of Application (Example)

A full height RC wall cannot be provided due to GFA limit.

250mm thick RC wall extends 6000mm from the edge of the parapet is located where shortfall is. Refer to Drawings 6 & 7.

A solid RC ledge extending 4000mm outwards is provided. Refer to Drawings 3,4 & 8.

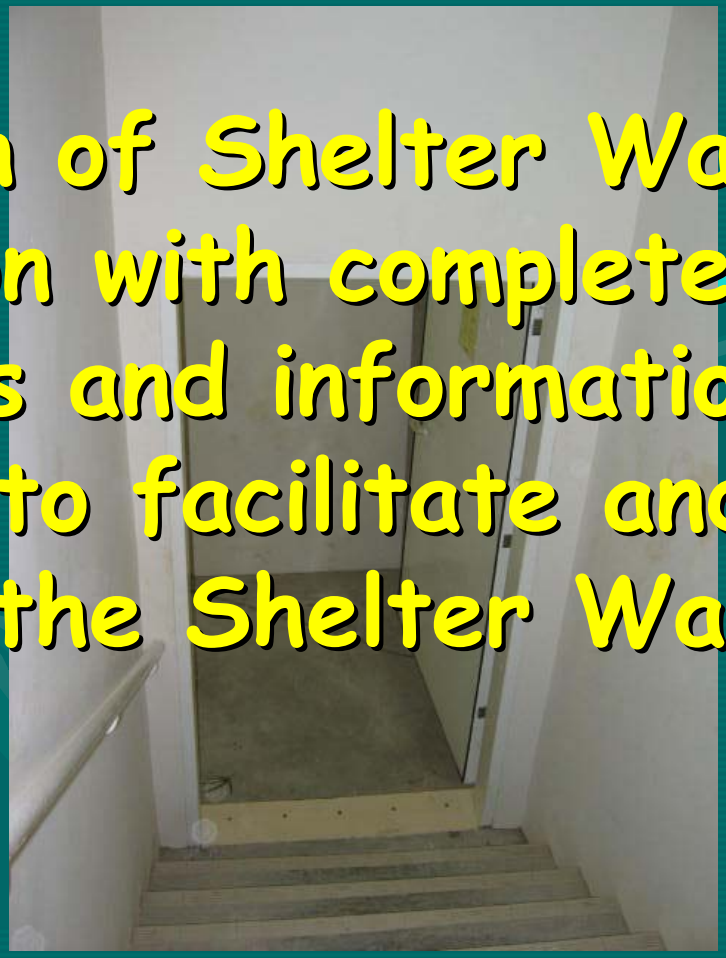
With the provision of full height RC walls, RC ledges and parapet wall within the 45 degree limit, SS door is shielded.

EXAMPLE OF PRACTICES ON PROVISION OF INFORMATION

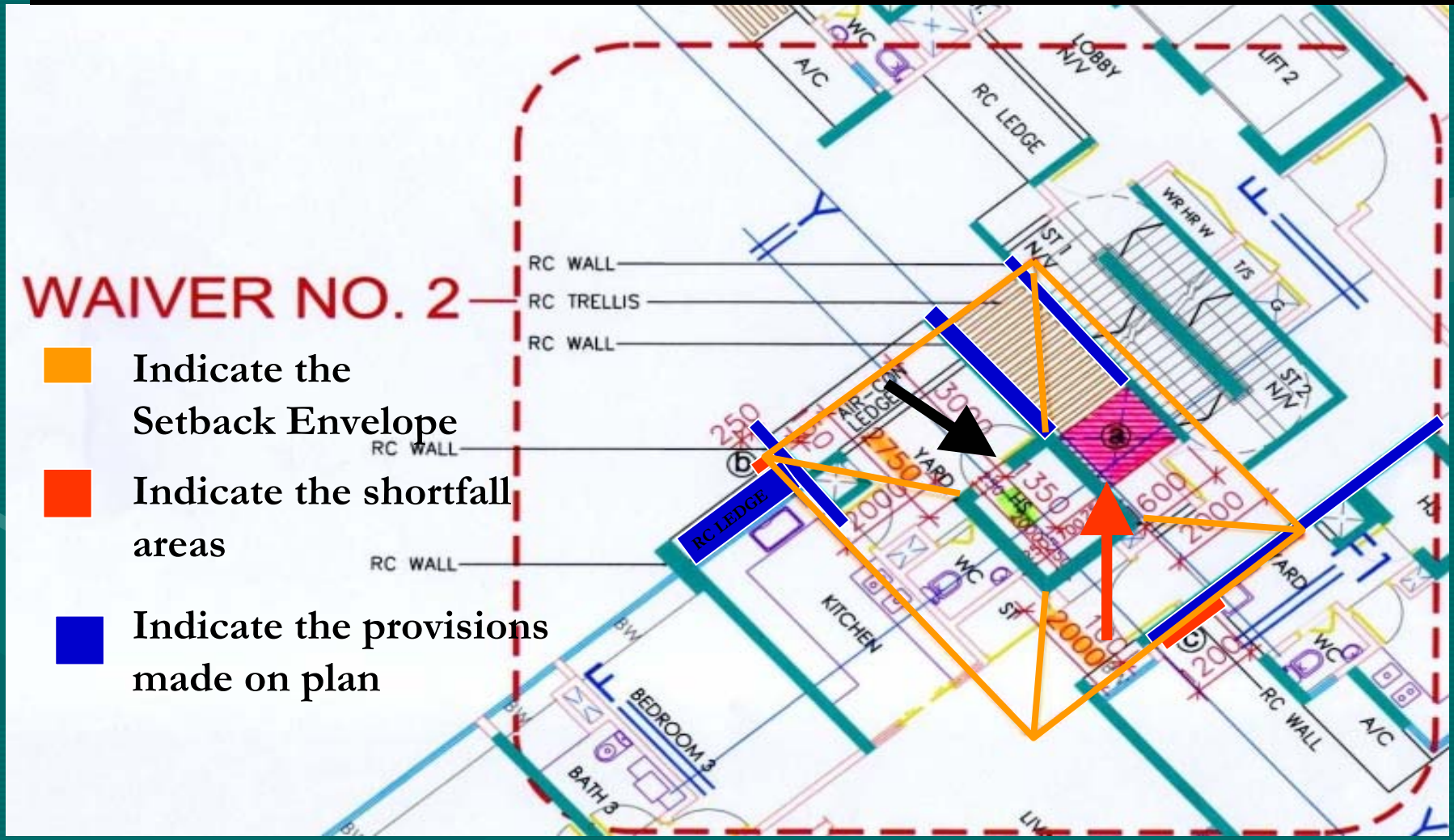
- Setback Distances (HS)
- Shielding Wall (SS)
- Ventilation Sleeve (HS)
- Cantilever (HS)

CONCLUSION

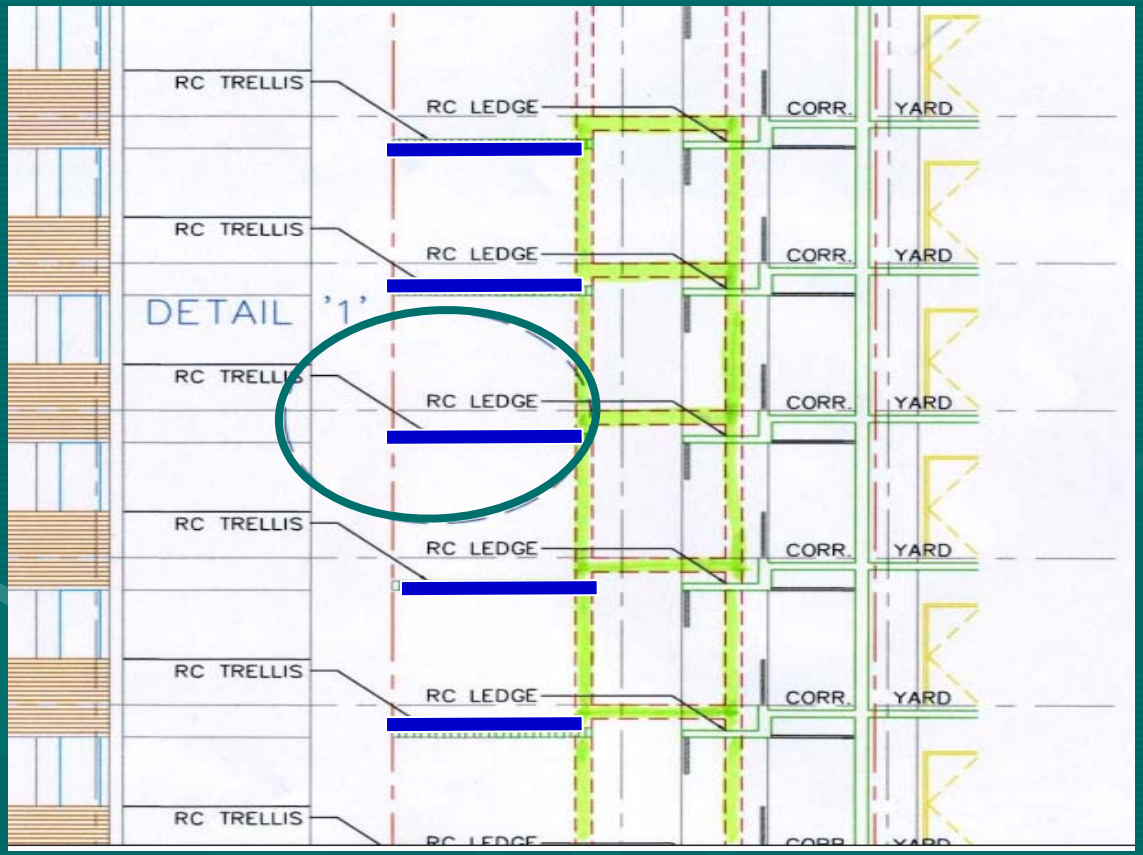
Submission of Shelter Waiver Application with complete documents and information is essential to facilitate and expedite the Shelter Waiver Process.



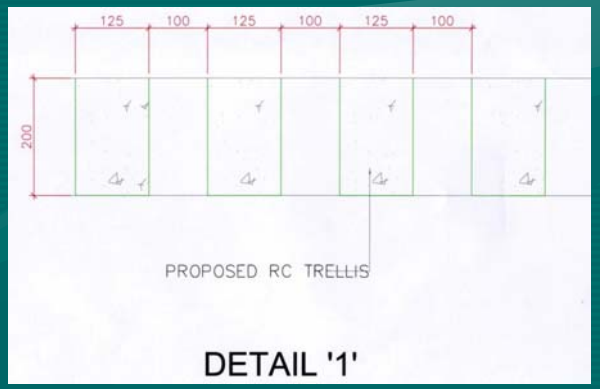
SETBACK DISTANCE (HS)



SETBACK DISTANCE (HS)

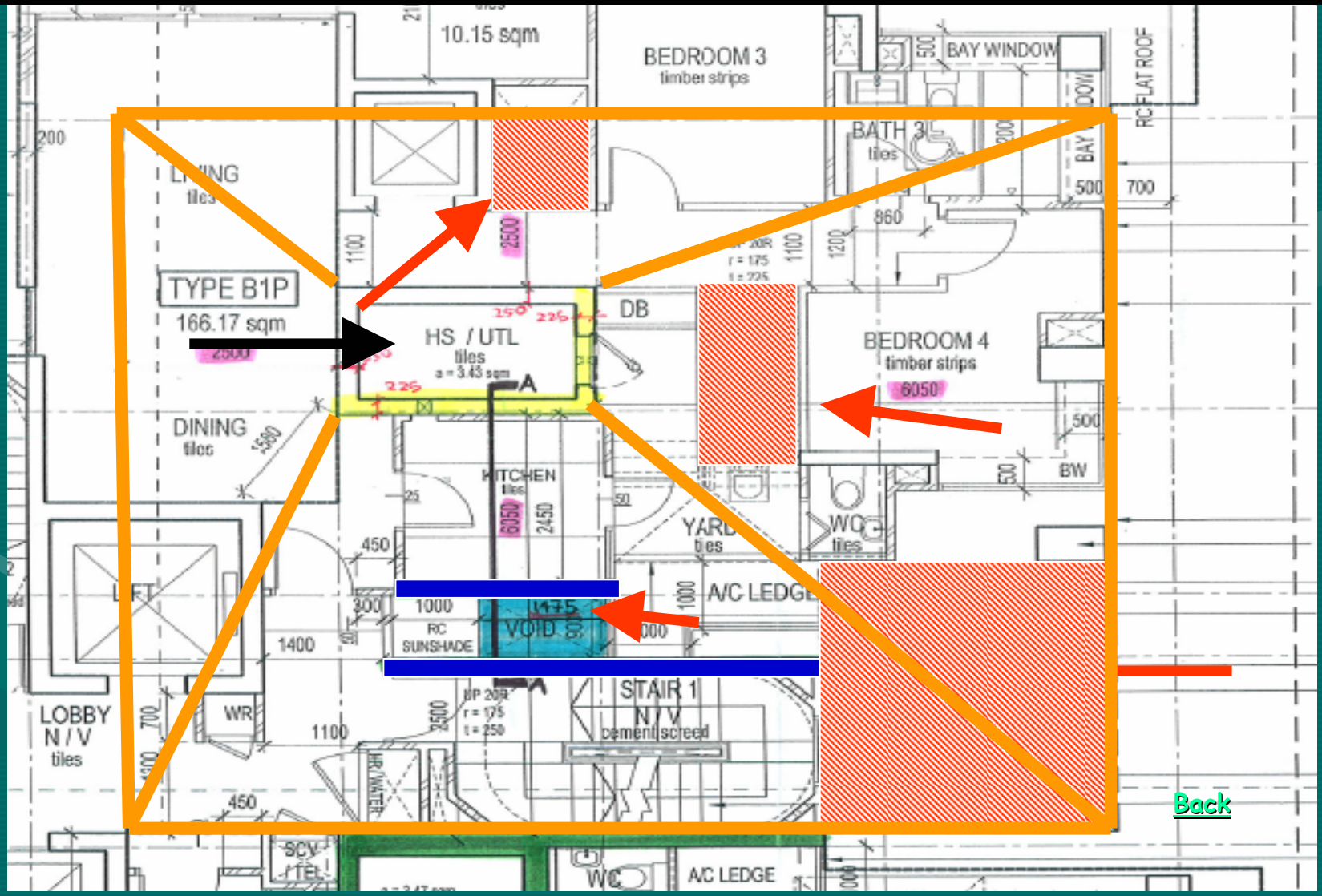


- Indicate the provisions made on plan

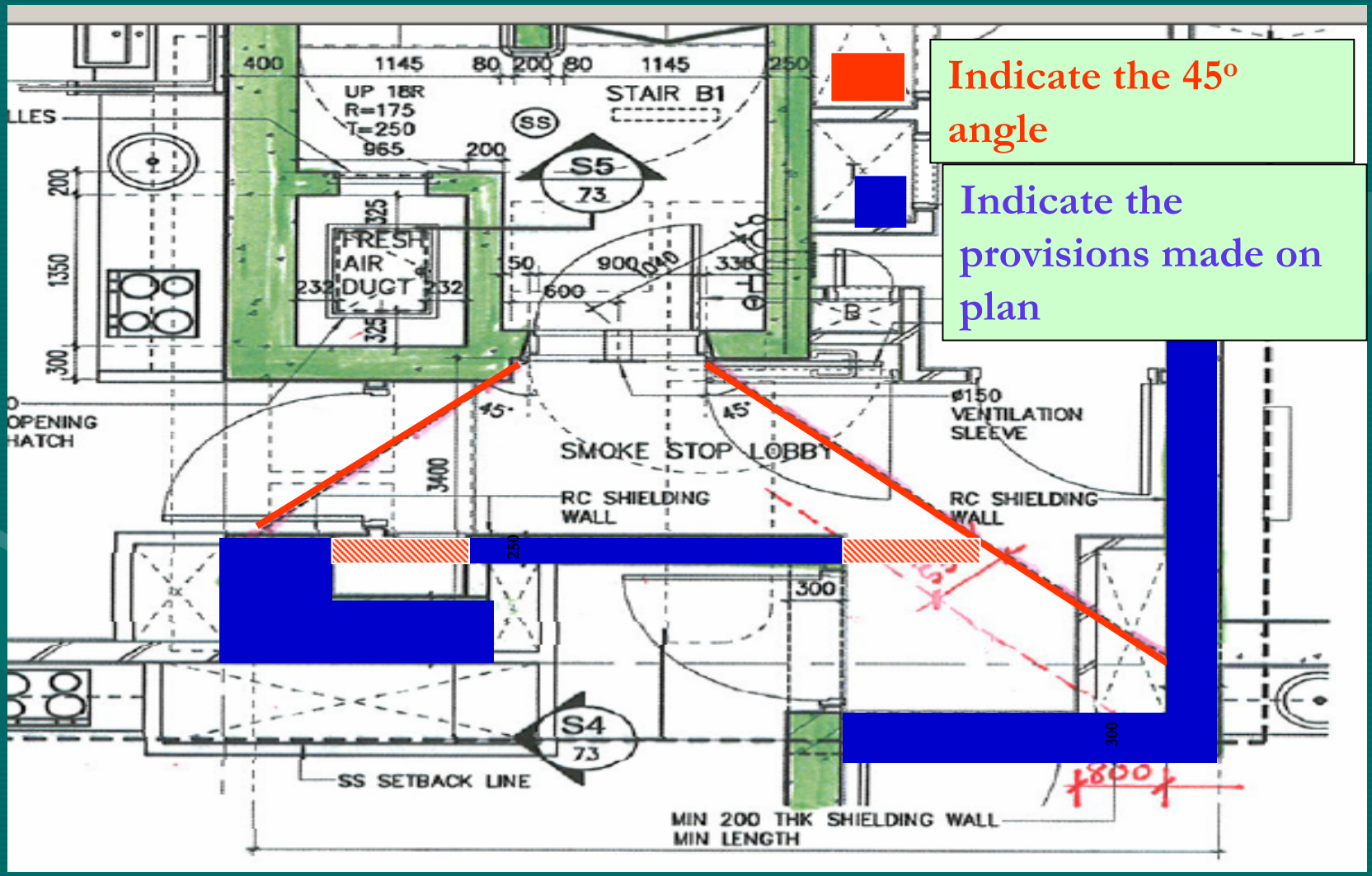


Sectional Plan

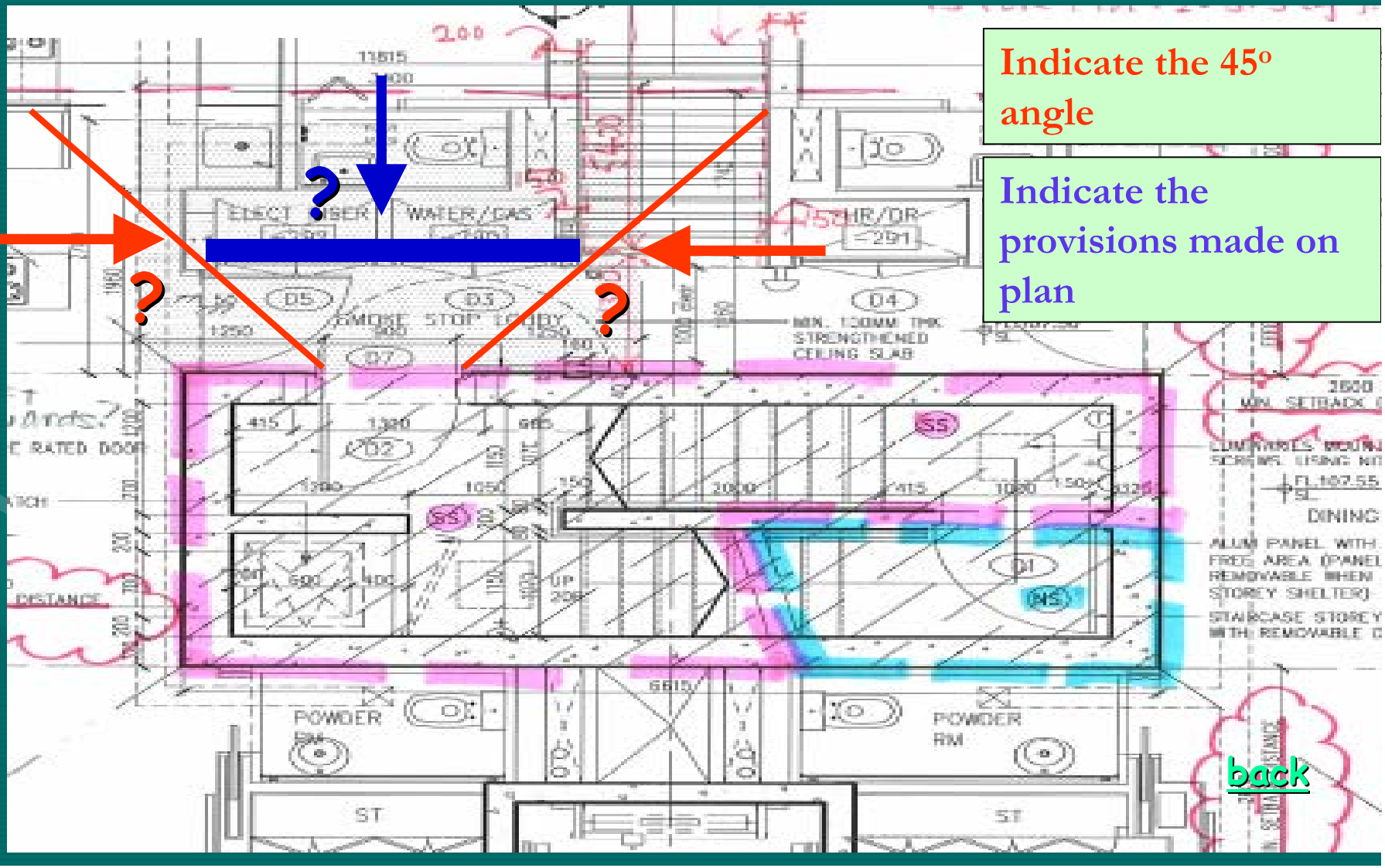
SETBACK DISTANCE



SHIELDING WALL (SS)

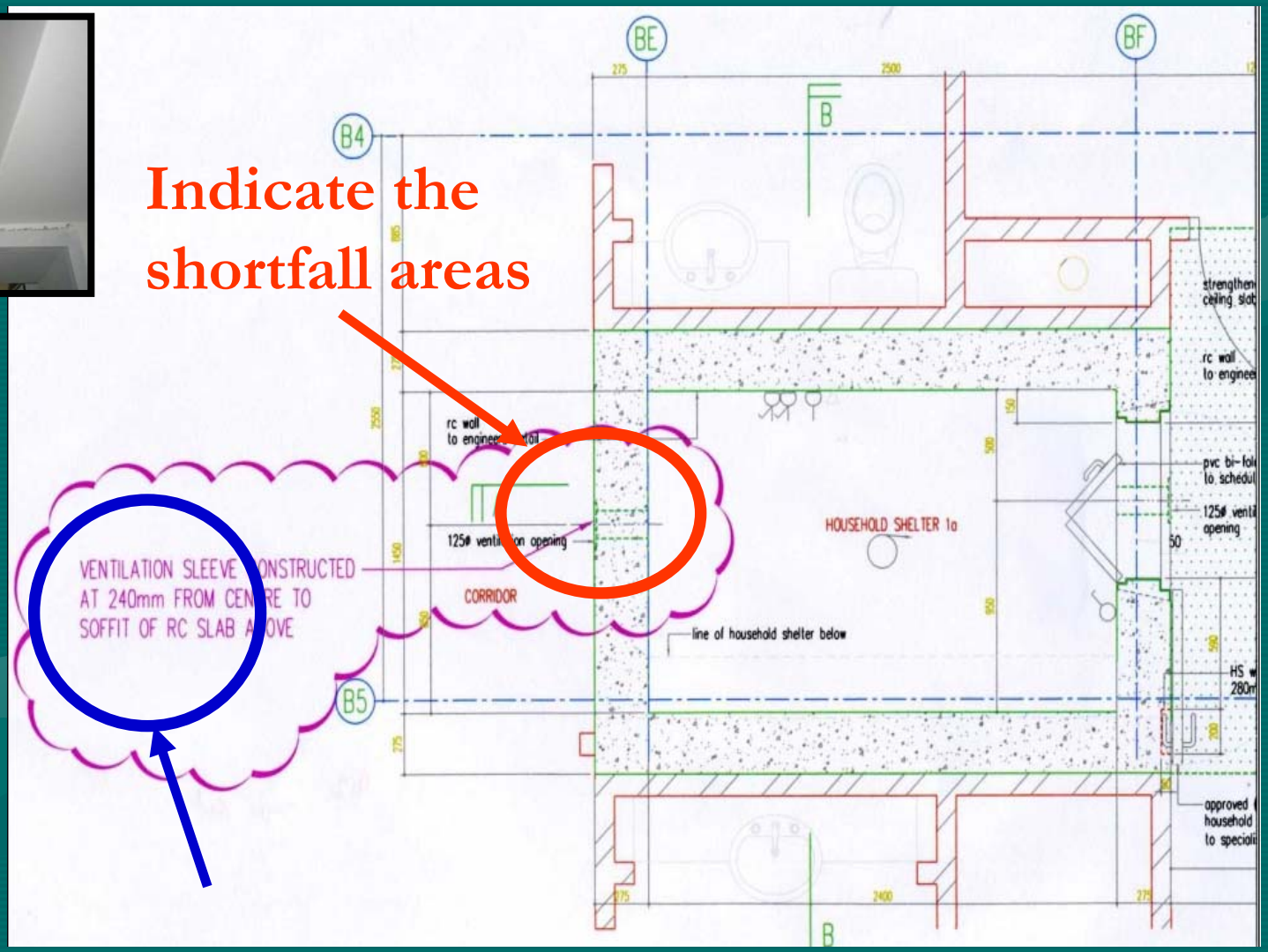


SHIELDING WALL

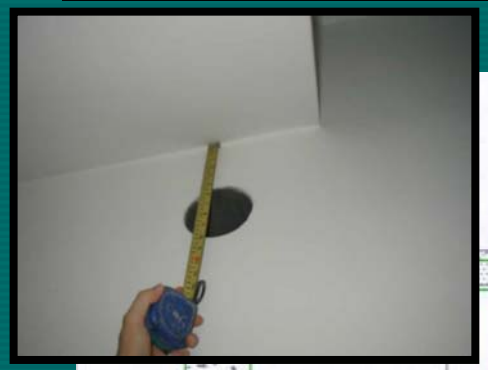


VENTILATION SLEEVE (HS)



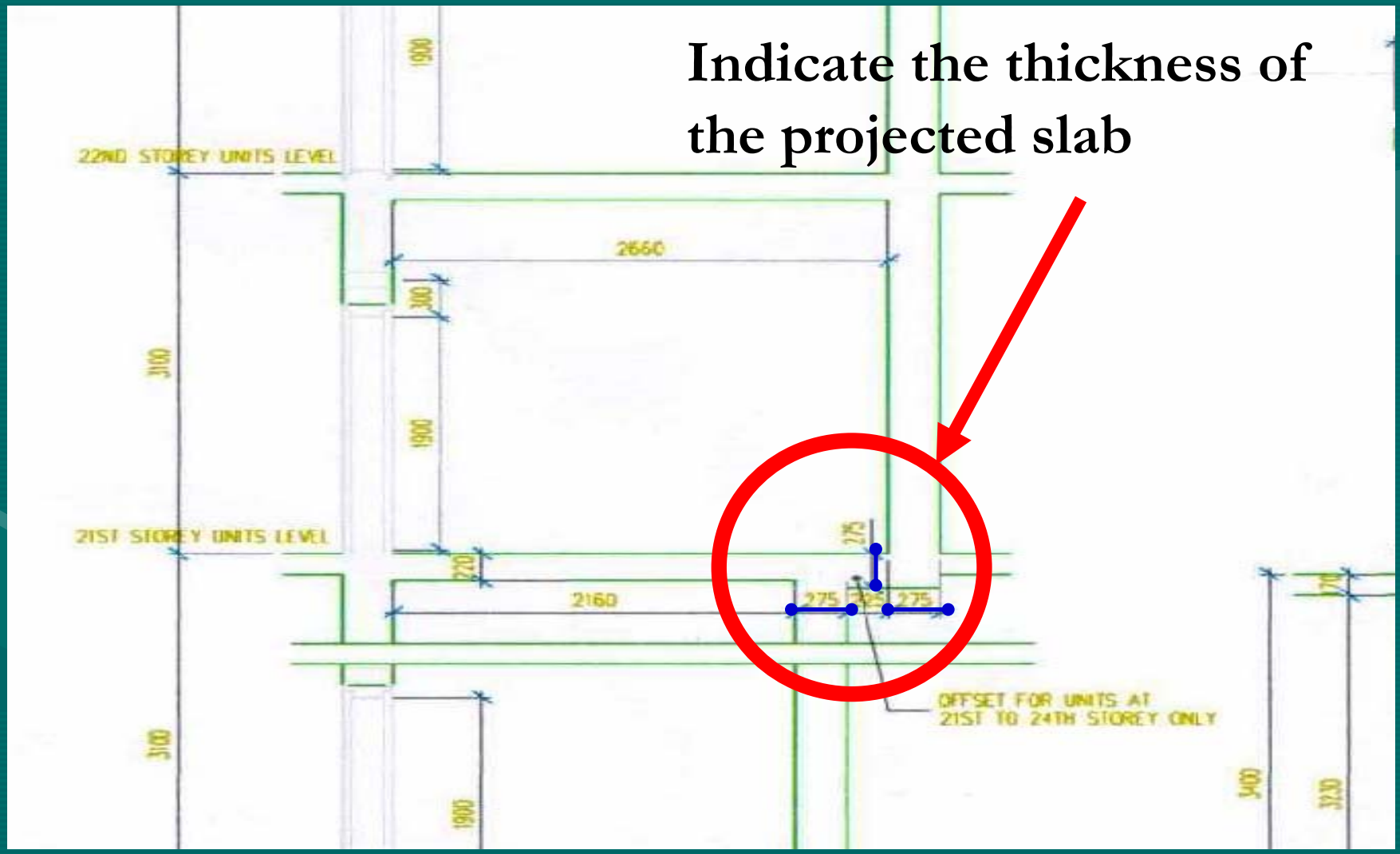


VENTILATION SLEEVE (HS)

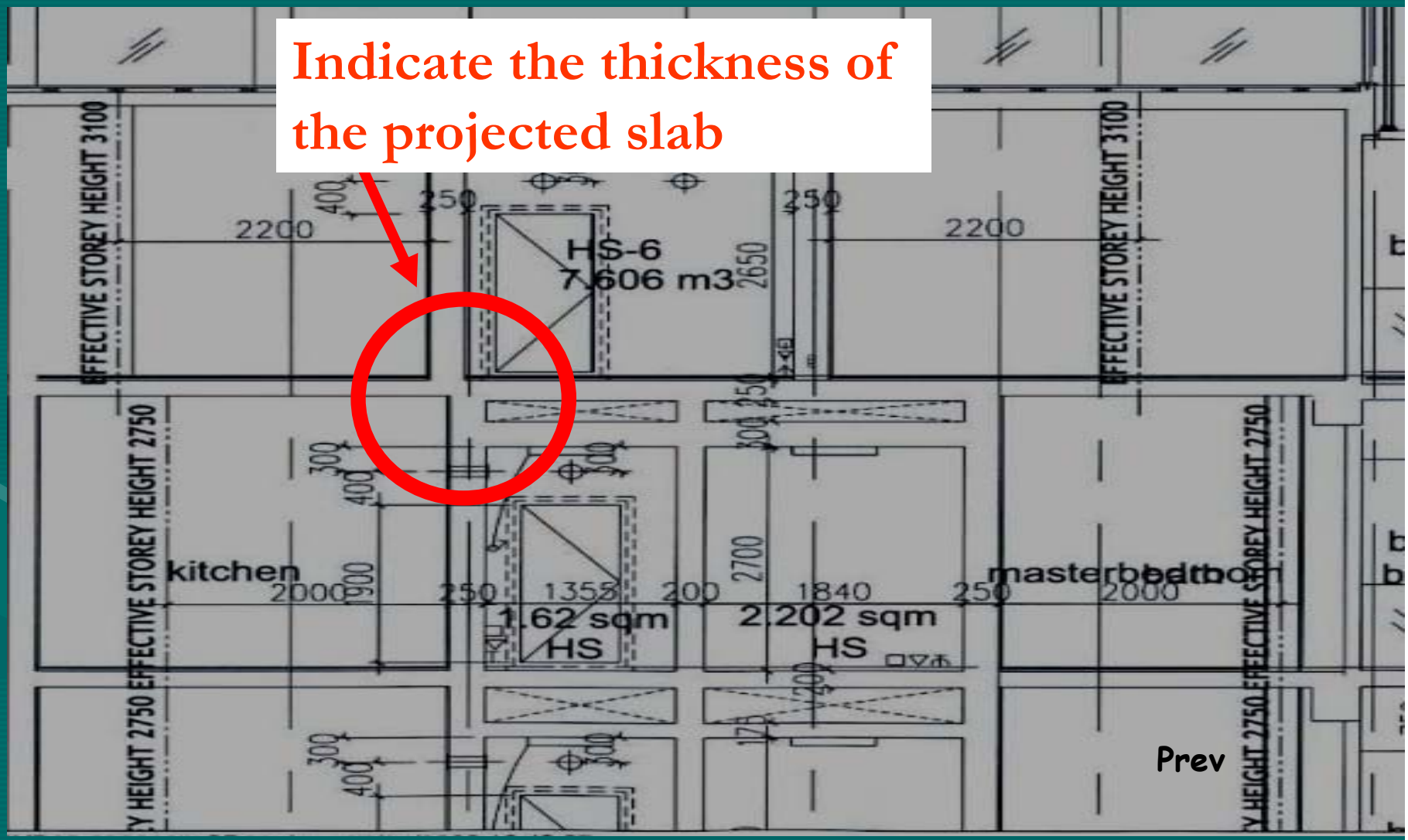


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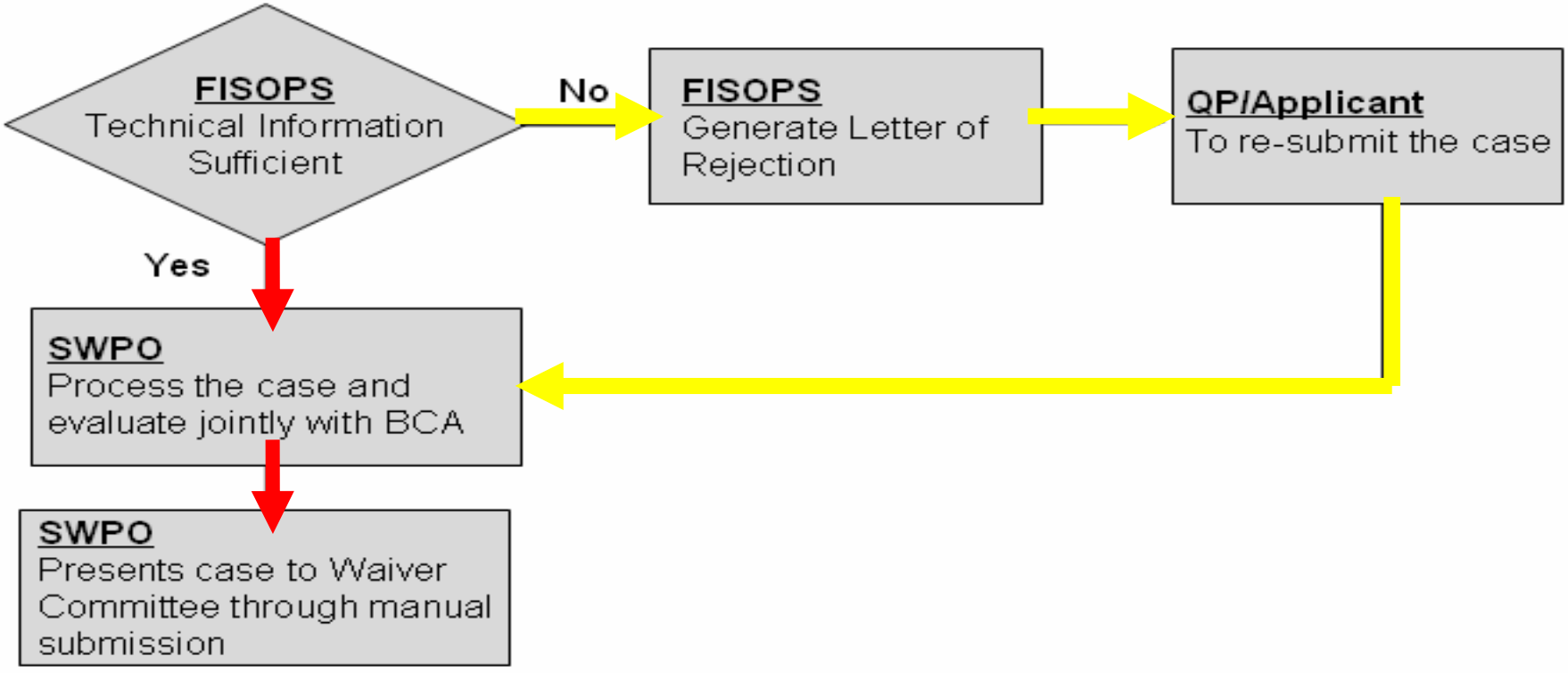
CANTILEVER (HS)



CANTILEVER


Indicate the thickness of the projected slab
EFFECTIVE STOREY HEIGHT 3100
EFFECTIVE STOREY HEIGHT 2750
2200
400
250
HS-6
7.606 m3
2650
2200
kitchen
2000
1900
250
1358
200
1.62 sqm
HS
2700
1840
2.202 sqm
HS
250
masterbedroo
2000
Prev

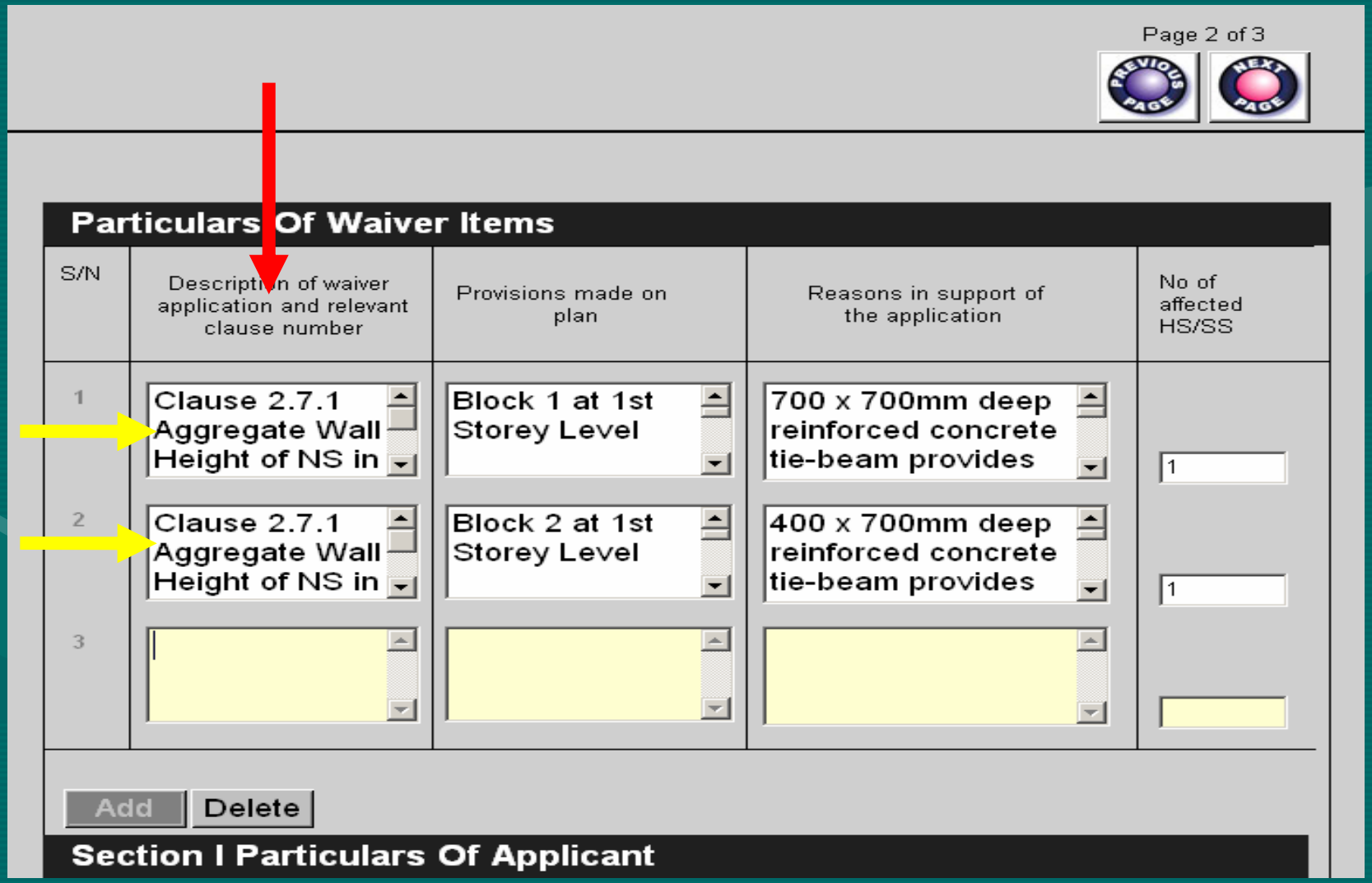
FISOPS



QP : Qualified Person
SWPO : Shelter Waiver Processing Officer

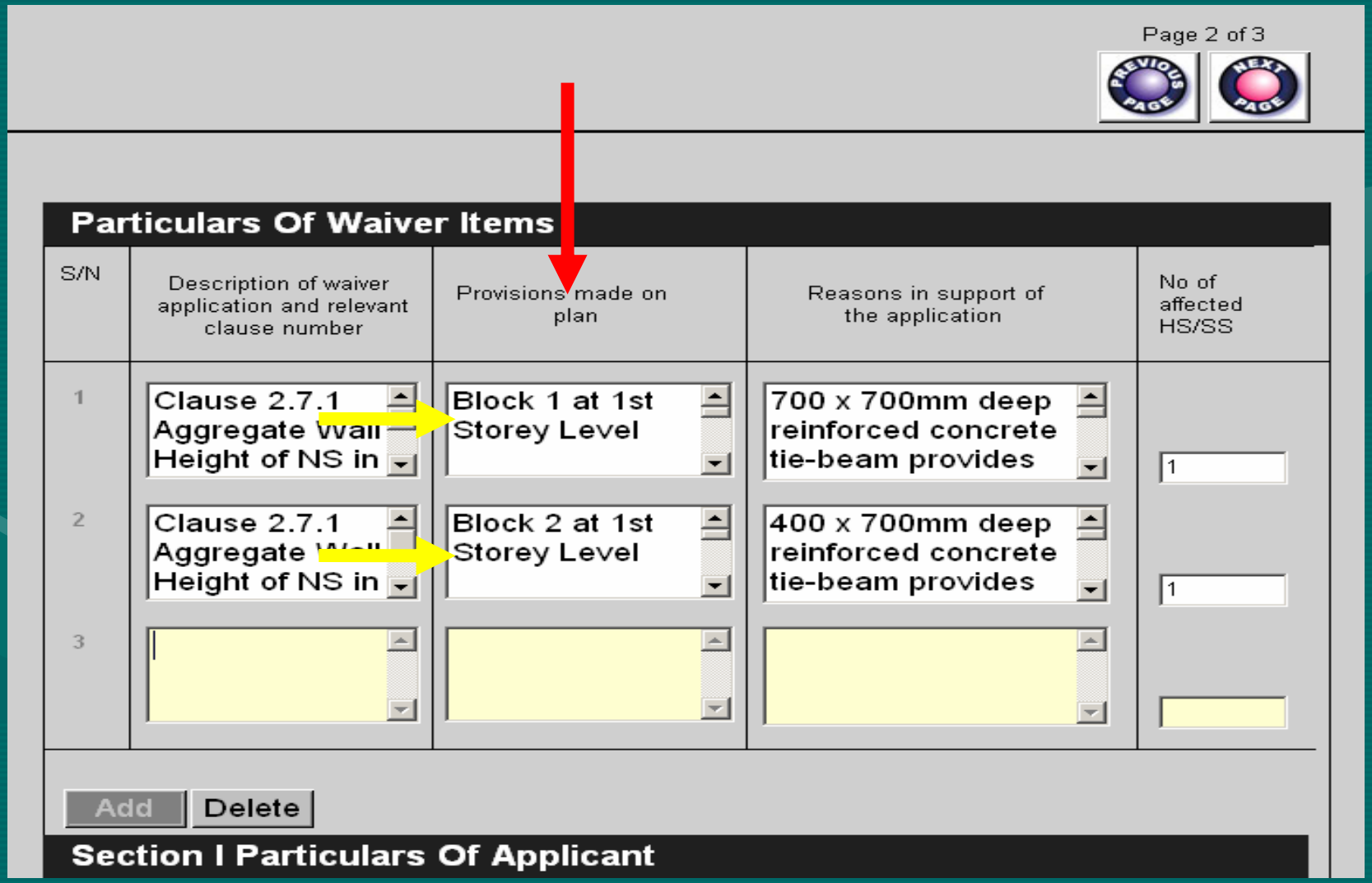
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SHELTER WAIVER APPLICATION FORM



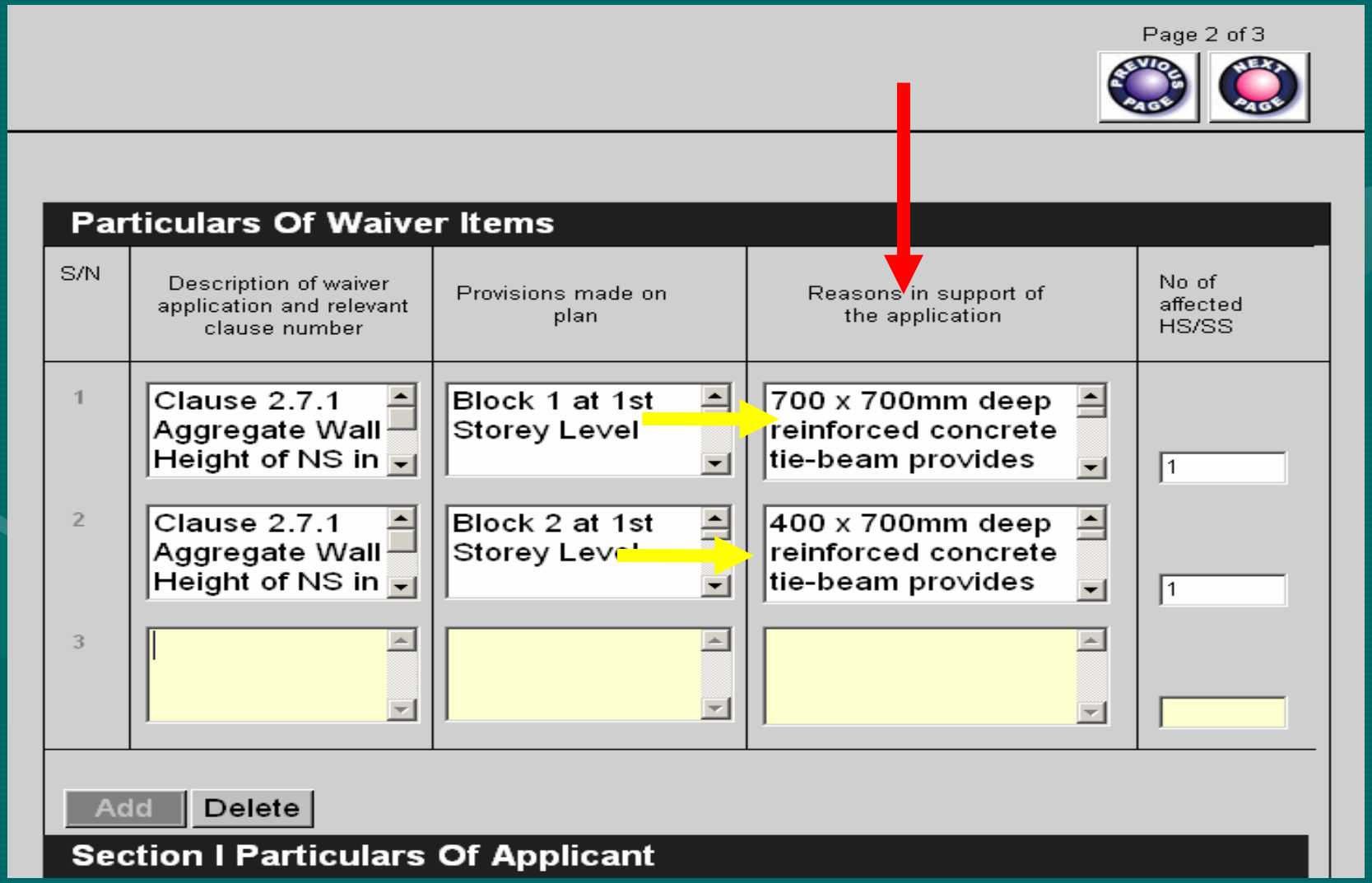
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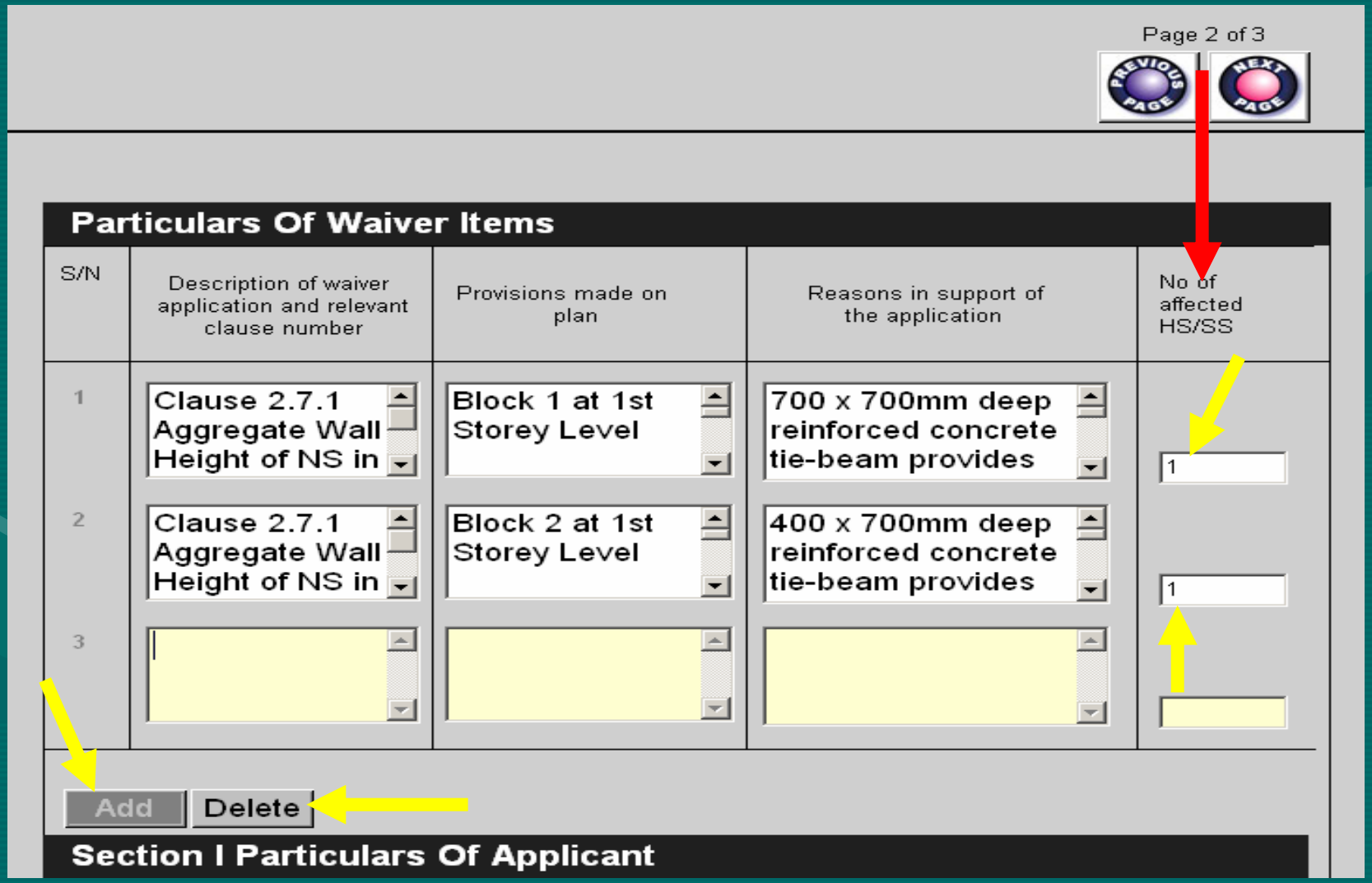
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