

## **Annex A: Six Specialist Areas**

The six specialist areas that have a high impact on public safety and require specific expertise are:

1. Piling works
2. Ground support and stabilization works
3. Site investigation work
4. Structural steelwork
5. Pre-cast concrete work
6. In-situ post-tensioning work

**Annex B: Prescribed qualifications and experience for Approved Person and Technical Controller.**

**APPROVED PERSONS**

Class of Licence	Course	Practical Experience
Class 1 General Builder's Licence	A course leading to a Bachelor's degree or post-graduate degree in any field.	At least 3 years (in aggregate) of practical experience in the execution of construction projects (whether in Singapore or elsewhere) after attaining the qualifications in the second column.
	A course leading to a diploma in a construction-related field.	At least 5 years (in aggregate) of practical experience in the execution of construction projects (whether in Singapore or elsewhere) after attaining the qualifications in the second column.
	A course conducted by the Building and Construction Authority known as "Essential Knowledge in Construction Regulations and Management for Licensed Builders".	At least 10 years (in aggregate) of practical experience in the execution of construction projects in Singapore.
Class 2 General Builder's Licence	A course leading to a diploma in a construction-related field, or a Bachelor's degree or post-graduate degree in any field.	At least 3 years (in aggregate) of practical experience in the execution of construction projects (whether in Singapore or elsewhere) after attaining the qualifications in the second column.
	A course conducted by the Building and Construction Authority known as "Essential Knowledge in Construction Regulations and Management for Licensed Builders".	At least 8 years (in aggregate) of practical experience in the execution of construction projects in Singapore.
Specialist Builder's Licence	A course leading to a diploma in a construction-related field, or a Bachelor's degree or post-graduate degree in any field.	At least 3 years (in aggregate) of practical experience in the execution of construction projects (whether in Singapore or elsewhere) after attaining the qualifications in the second column.
	A course conducted by the Building and Construction Authority known as "Essential Knowledge in Construction Regulations and Management for Licensed Builders".	At least 8 years (in aggregate) of practical experience in the execution of construction projects in Singapore.

## TECHNICAL CONTROLLERS

Class of Licence	Course	Practical Experience
Class 1 General Builder's Licence	A course leading to a Bachelor's degree or post-graduate degree in a construction-related field.	At least 5 years (in aggregate) of practical experience in the execution of construction projects (whether in Singapore or elsewhere) after attaining the qualifications in the second column.
Class 2 General Builder's Licence	A course leading to a diploma in a construction-related field, or a Bachelor's degree or post-graduate degree in a construction-related field.	At least 5 years (in aggregate) of practical experience in the execution of construction projects (whether in Singapore or elsewhere) after attaining the qualifications in the second column.
Specialist Builder's Licence	A course leading to a Bachelor's degree or post-graduate degree in the field of civil or structural engineering from a recognised institution.	At least 5 years (in aggregate) of practical experience in the execution of specialist building works of that class (whether in Singapore or elsewhere) after attaining the qualifications in the second column.

“construction-related field” means the field of architecture, civil or structural engineering, mechanical or electrical engineering, construction or project management, quantity surveying or building science, facilities or estate management;

“recognised institution” means —

- (a) the National University of Singapore;
- (b) the Nanyang Technological University; or
- (c) any other university that is specified by the Commissioner in the Authority's Internet website <http://www.bca.gov.sg>.

## **Annex C: CoreTrade**

Under CoreTrade, the main builder in projects costing \$20 million or more will be required to deploy a minimum number of registered tradesmen and trade foremen in prescribed key trades in the project. Key trades are high value added trades that have high impact on construction quality, site safety and productivity (see Table below).

<b>TYPES OF KEY TRADES</b>	
<b>Tradesmen</b>	<b>Trade Foremen</b>
<ul style="list-style-type: none"><li>- construction plant operation work;</li><li>- electrical works;</li><li>- plumbing and piping work;</li><li>- tiling and stone laying work.</li></ul>	<ul style="list-style-type: none"><li>- electrical works;</li><li>- plumbing and piping work;</li><li>- tiling and stone laying work;</li><li>- waterproofing works;</li><li>- reinforced concrete work;</li><li>- structural steel work.</li></ul>