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**No. S 190**

**BUILDING AND CONSTRUCTION AUTHORITY ACT  
(CHAPTER 30A)**

**BUILDING AND CONSTRUCTION AUTHORITY  
(REGISTRATION OF CONSTRUCTION PERSONNEL)  
(AMENDMENT) REGULATIONS 2011**

In exercise of the powers conferred by section 35 of the Building and Construction Authority Act, the Building and Construction Authority, with the approval of the Minister for National Development, hereby makes the following Regulations:

**Citation and commencement**

**1.** These Regulations may be cited as the Building and Construction Authority (Registration of Construction Personnel) (Amendment) Regulations 2011 and shall come into operation on 15th April 2011.

**Amendment of regulation 2**

**2.** Regulation 2(1) of the Building and Construction Authority (Registration of Construction Personnel) Regulations 2008 (G.N. No. S 642/2008) (referred to in these Regulations as the principal Regulations) is amended —

(a) by inserting, immediately before the definition of “appropriate form”, the following definition:

“ “air-conditioning ducting installation” means the installation of air-conditioning ducting or any associated fittings, including thermal insulation, for the purposes of the cooling and mechanical ventilation of a building;”;

(b) by inserting, immediately after the definition of “certificate of registration”, the following definition:

“ “cladding and curtain wall installation” means the installation of any external cladding or curtain wall, or any associated fittings, as the exterior covering or exterior wall of a building;”;

(c) by deleting the definition of “construction plant operation work” and substituting the following definitions:

“ “construction plant operation works” means operating any of the following plant or machinery:

- (a) a saddle jib tower crane;
- (b) a luffing jib tower crane;
- (c) a mobile crane (truck mounted);
- (d) a crawler crane;
- (e) a hydraulic excavator;
- (f) a telescopic handler;
- (g) a bulldozer;
- (h) a track shovel;
- (i) an excavator loader;
- (j) a piling rig;
- (k) an underground pipe jacking machine;
- (l) a tunnel boring machine;
- (m) an asphalt concrete paver;
- (n) a crawler drill;

“doors and windows installation” means the installation of any door, window panel or frame, or any associated fittings, for building works;

“drywall installation” means the on-site fabrication, installation or erection of any drywall panel or any associated fittings in the interior of a building;”;

(d) by inserting, immediately after the definition of “electrical works”, the following definitions:

“ “fire protection works” has the same meaning as in the Fire Safety Act (Cap. 109A);

“gas pipefitting works” means the installation of any gas service pipe, pipe fitting, conveyance, valve, regulator or any associated device used or to be used for the control and use of gas in a building;

“glazing works” means the installation of glass or any associated fittings in a building;

“joinery works” means the on-site fabrication of fitments, fittings or any related carpentry works for the

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installation of timber furniture to the interior wall, floor or any other part of a building;

“lift” has the same meaning as in the Building Maintenance and Strata Management (Lift and Building Maintenance) Regulations 2005 (G.N. No. S 194/2005);

“lift installation” means installation of any lift;”;

(e) by deleting the definition of “plumbing and piping works” and substituting the following definition:

“ “plumbing and piping works” means installing any liquid, water or sanitary piping, or any associated fittings, including thermal insulation, for the conveyance of liquid, potable water distribution, or soil or waste water disposal in a building;”;

(f) by deleting the words “fabrication and installation” in the definition of “reinforced concrete works” and substituting the words “the on-site fabrication, installation or erection”;

(g) by inserting, immediately after the word “means” in the definition of “structural steel works”, the words “the on-site”;

(h) by inserting, immediately after the definition of “structural steel works”, the following definition:

“ “suspended ceiling installation” means the installation of any false ceiling, ceiling board, panel, tile or frame, or any associated fittings, that is hung from the soffit of structural elements of a building;”;

(i) by deleting the definition of “tiling and stone laying work” and substituting the following definition:

“ “tiling, stone laying and floor finishing works” means the laying of tiles, marble or stone finishes to any interior or exterior wall or any floor of a building, or timber finishes to any interior or exterior floor of a building;”.

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**Deletion and substitution of regulations 4, 5 and 6**

3. Regulations 4, 5 and 6 of the principal Regulations are deleted and the following regulations substituted therefor:

**“Classes of construction tradesman**

4. A construction tradesman may be registered according to one or more of the classes of work specified in Part I of the Schedule that he carries out, or undertakes to carry out, for or on behalf of another person, for a fixed sum, percentage, or valuable consideration, wages or other reward.

**Classes of construction foreman**

5. A construction foreman may be registered according to one or more of the classes of work specified in Part II of the Schedule, comprising supervision and co-ordination of construction tradesmen or other workmen undertaking the same class of work for or on behalf of another person, for a fixed sum, percentage, or valuable consideration, wages or other reward.

**Eligibility for registration**

6.—(1) A person shall be eligible to be registered, or to renew his registration, as a construction tradesman if he has successfully undergone such skills assessment as the Authority may conduct for this purpose, and —

- (a) possesses the qualifications specified in Part I of the Schedule opposite the class he is applying to register or renew registration in, or such other qualifications that, in the opinion of the Authority, are equivalent to those qualifications so specified, and has the practical experience that, in the opinion of the Authority, complements those qualifications; or
- (b) although not having complied with the requirements of sub-paragraph (a), satisfies the Authority that he nevertheless has had such practical experience as to render him, in the opinion of the Authority, competent to be registered as a construction tradesman.

(2) A person shall be eligible to be registered, or to renew his registration, as a construction foreman if he has successfully

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undergone such test and skills assessment as the Authority may conduct for this purpose, and —

(a) he —

- (i) possesses the Trade Diplomas specified in Part II of the Schedule opposite the class he is applying to register or renew registration in; or
- (ii) possesses any of the other qualifications specified in Part II of the Schedule opposite the class he is applying to register or renew registration in, and he has successfully completed such bridging course as may be conducted by or on behalf of, or as may be approved by, the Authority,

and has the practical experience that, in the opinion of the Authority, complements those qualifications; or

(b) he satisfies the Authority that he —

- (i) possesses such other qualifications that, in the opinion of the Authority, are equivalent to those specified in Part II of the Schedule opposite the class he is applying to register or renew registration in, and has had such practical experience as, in the opinion of the Authority, complements those qualifications; or
- (ii) has had such practical experience as to render him, in the opinion of the Authority, competent to be registered as a construction foreman,

and he has successfully completed the bridging course referred to in sub-paragraph (a).

(3) In deciding whether to register a person under these Regulations, the Authority may make inquiries and investigations that are reasonable and appropriate in the circumstances so as to be satisfied as to —

(a) the good character of the applicant; or

(b) whether the public interest will be served by the registration of the applicant,

including seeking confirmation about the experience of the applicant through further skills assessment and referee checks.

(4) Where a person is registered as a construction foreman in any of the classes specified in Part II of the Schedule other than

waterproofing works, he shall also be registered as a construction tradesman in the same class of work.”.

### **Amendment of regulation 8**

4. Regulation 8(4) of the principal Regulations is amended by deleting the word “specified” in sub-paragraph (a) and substituting the words “referred to”.

### **Deletion and substitution of Schedule**

5. The Schedule to the principal Regulations is deleted and the following Schedule substituted therefor:

“THE SCHEDULE

Regulations 4, 5 and 6

REGISTRATION CLASSES AND QUALIFICATIONS FOR  
CONSTRUCTION TRADESMEN AND CONSTRUCTION FOREMEN

PART I

CONSTRUCTION TRADESMEN

<i>Registration class</i>	<i>Qualifications</i>
1.—(1) Air-conditioning ducting installation	SEC(K), SEC or BBC in Ducting Installation for Air-Conditioning and Ventilation
(2) Cladding and curtain wall installation	SEC(K), SEC or BBC in Cladding Installation SEC(K), SEC or BBC in Curtain Wall Installation
(3) Construction plant operation works:	
(a) saddle jib tower crane	SEC(K), SEC, CSC or BBC in Tower Crane (Saddle Jib) Operations
(b) luffing jib tower crane	SEC(K), SEC, CSC or BBC in Tower Crane (Luffing Jib) Operations
(c) mobile crane (truck mounted)	SEC(K), SEC, CSC or BBC in Mobile Crane Operations
(d) crawler crane	SEC(K), SEC, CSC or BBC in Crawler Crane Operations
(e) hydraulic excavator	SEC(K), SEC, CSC or BBC in Hydraulic Excavator Operations

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 THE SCHEDULE — *continued*

<i>Registration class</i>	<i>Qualifications</i>
(f) telescopic handler	SEC(K), SEC, CSC or BBC in Telescopic Handler Operations
(g) bulldozer	SEC(K), SEC or BBC in Bulldozer Operations
(h) track shovel	SEC(K), SEC or BBC in Track Shovel Operations
(i) excavator loader	SEC(K), SEC or BBC in Excavator Loader Operations
(j) piling rigs	SEC(K), SEC or BBC in Bored Piling Operations
	SEC(K), SEC or BBC in Driven Piling Operations
	SEC(K), SEC or BBC in Jack-In Piling Operations
	SEC(K), SEC or BBC in Bored Micro-Piling Operation
	SEC(K) or BBC in Jet Grout Piling Operation
(k) underground pipe jacking machine	SEC(K), SEC or BBC Underground Pipe-Jacking
(l) tunnel boring machine	SEC(K) or BBC in Tunnel Boring Machine (Earth Pressure Method)
	SEC(K) or BBC in Tunnel Boring Machine (Slurry Method)
(m) asphalt concrete paver	SEC(K), SEC or BBC in Asphalt Concrete Paving
(n) crawler drill	SEC(K) or BBC in Crawler Drill Operation
(4) Doors and windows installation	SEC(K), SEC or BBC in Doors and Windows Installation (Timber)
	SEC(K), SEC or BBC in Doors and Windows Installation (Aluminium)
(5) Drywall installation	SEC(K), SEC or BBC in Interior Drywall Installation
(6) Electrical works	SEC(K), SEC or BBC in Electrical Wiring Installation
(7) Fire protection works	SEC(K), SEC or BBC in Fire Sprinkler Installation

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 THE SCHEDULE — *continued*

<i>Registration class</i>	<i>Qualifications</i>
(8) Gas pipefitting works	SEC(K), SEC or BBC in Gas Pipefitting
(9) Glazing works	SEC(K), SEC or BBC in Glazing
(10) Joinery works	SEC(K), SEC or BBC in Joinery
(11) Lift installation	SEC(K), SEC or BBC in Lift Installation
(12) Plumbing and piping works	Builder Certificate in Plumbing and Pipefitting Advanced Builder Certificate in Plumbing and Pipefitting SEC(K), SEC or BBC in Plumbing and Pipefitting SEC(K), SEC or BBC in Pipefitting SEC(K), SEC or BBC in Thermal Insulation (Pipework)
(13) Reinforced concrete works	SEC(K), SEC or BBC in Precast Concrete Component Erection SEC(K) or BBC in System Formwork Installation SEC(K) or BBC in Precast Kerb and Drain Laying SEC(K) or BBC in Aluminium Formwork
(14) Structural steel works	SEC(K), SEC or BBC in Structural Steel Fitting SEC(K), SEC or BBC in Welding SEC(K), SEC or BBC in Pipefitting
(15) Suspended ceiling installation	SEC(K), SEC or BBC in Suspended Ceiling Installation (Acoustical) SEC(K), SEC or BBC in Suspended Ceiling Installation (Fibrous Plaster)
(16) Tiling, stone laying and floor finishing works	SEC(K), SEC or BBC in Tiling SEC(K) or BBC in Timber Flooring.

## 2. In this Part —

“BBC” means the Basic Builder Certificate issued by the Authority;

“CSC” means the Certificate of Successful Completion issued by the Building and Construction Authority Academy;



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 THE SCHEDULE — *continued*

“SEC” means the Skills Evaluation Certificate (Practical) issued by the Authority;

“SEC(K)” means the Skills Evaluation Certificate (written and practical) issued by the Authority.

## PART II

## CONSTRUCTION FOREMEN

<i>Registration class</i>	<i>Qualifications</i>
1.—(1) Air-conditioning ducting installation	Trade Diploma in Air-conditioning Ducting and Mechanical Ventilation SEC(K), SEC or BBC in Ducting Installation for Air-conditioning and Ventilation
(2) Cladding and curtain wall installation	Trade Diploma in Cladding and Curtain Wall Technology SEC(K), SEC or BBC in Cladding Installation SEC(K), SEC or BBC in Curtain Wall Installation
(3) Doors and windows installation	Trade Diploma in Doors and Windows SEC(K), SEC or BBC in Doors and Windows Installation (Timber) SEC(K), SEC or BBC in Doors and Windows Installation (Aluminium)
(4) Drywall installation	Trade Diploma in Drywall Systems SEC(K), SEC or BBC in Interior Drywall Installation
(5) Electrical works	Trade Diploma in Electrical Technology SEC(K), SEC or BBC in Electrical Wiring Installation
(6) Fire protection works	Trade Diploma in Fire Protection Works SEC(K), SEC or BBC in Fire Sprinkler Installation
(7) Gas pipefitting works	Trade Diploma in Gas Pipefitting Technology SEC(K), SEC or BBC in Gas Pipefitting

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 THE SCHEDULE — *continued*

<i>Registration class</i>	<i>Qualifications</i>
(8) Glazing works	Trade Diploma in Glazing SEC(K), SEC or BBC in Glazing
(9) Joinery works	Trade Diploma in Joinery SEC(K), SEC or BBC in Joinery
(10) Lift installation	Trade Diploma in Lift Technology SEC(K), SEC or BBC in Lift Installation
(11) Plumbing and piping works	Trade Diploma in Plumbing Technology Builder Certificate in Plumbing and Pipefitting Advanced Builder Certificate in Plumbing and Pipefitting SEC(K), SEC or BBC in Plumbing and Pipefitting SEC(K), SEC or BBC in Pipefitting SEC(K), SEC or BBC in Thermal Insulation (Pipework)
(12) Reinforced concrete works	Trade Diploma in RC Construction SEC(K), SEC or BBC in Timber Formwork SEC(K), SEC or BBC in Metal Formwork SEC(K), SEC or BBC in Steel Reinforcement Work SEC(K), SEC or BBC in Precast Concrete Component Erection SEC(K) or BBC in System Formwork Installation SEC(K) or BBC in Precast Kerb and Drain Laying SEC(K) or BBC in Aluminium Formwork
(13) Structural steel works	Trade Diploma in Structural Steel Works SEC(K), SEC or BBC in Structural Steel Fitting SEC(K), SEC or BBC in Welding SEC(K), SEC or BBC in Pipefitting

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 THE SCHEDULE — *continued*

<i>Registration class</i>	<i>Qualifications</i>
(14) Suspended ceiling installation	Trade Diploma in Suspended Ceilings SEC(K), SEC or BBC in Suspended Ceiling Installation (Acoustical) SEC(K), SEC or BBC in Suspended Ceiling Installation (Fibrous Plaster)
(15) Tiling, stone laying and floor finishing works	Trade Diploma in Tiling, Stone Laying and Floor Finishings SEC(K), SEC or BBC in Tiling SEC(K) or BBC in Timber Flooring
(16) Waterproofing works	Trade Diploma in Waterproofing SEC(K), SEC or BBC in Waterproofing.

## 2. In this Part —

“BBC” means the Basic Builder Certificate issued by the Authority;

“SEC” means the Skills Evaluation Certificate (Practical) issued by the Authority;

“SEC(K)” means the Skills Evaluation Certificate (written and practical) issued by the Authority;

“Trade Diploma” refers to a trade diploma issued by the Building and Construction Authority Academy.”.

**Savings and transitional provisions**

6.—(1) Any application for registration made under the principal Regulations before 15th April 2011 that is not dealt with before that date shall be dealt with under the provisions of the principal Regulations as if these Regulations had not been made.

(2) Subject to paragraph (3), any person who is registered as a construction tradesman or construction foreman under the principal Regulations shall be deemed to be registered under the principal Regulations as amended by these Regulations.

(3) Every construction personnel who, immediately before 15th April 2011, is registered in the class of work known as “tiling and stone laying work” shall be deemed to be registered in the class of work known as “tiling, stone laying and floor finishing works” on or after that date, until the expiry or renewal of such registration under the principal Regulations as amended by these Regulations.

Made this 5th day of April 2011.

QUEK SEE TIAT  
*Chairman,*  
*Building and Construction Authority,*  
*Singapore.*

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