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Building Engineering Division (#05-00)

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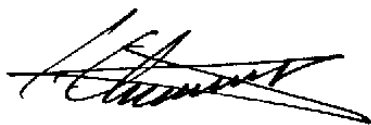
Dear Sir/Madam

BCA DESIGN AND ENGINEERING SAFETY EXCELLENCE AWARDS

BCA's mission is to shape a safe, high quality, sustainable and friendly built environment. Safety of our built environment is of paramount importance and to promote a safe built environment, BCA is organising the Inaugural **Design and Engineering Safety Excellence Awards**.

2. The Award is aimed at recognising efforts by Qualified Persons for Structural Works and other members of the project teams in overcoming various challenges to ensure safety in design, construction and maintenance of a building/civil engineering project through the adoption of innovative design processes, measures and solutions.
3. We cordially invite all Qualified Persons for Structural Works (together with the project team members - developer, architect, main contractor, specialist professional engineers and specialist contractors) to participate and nominate your project for the Inaugural Design and Engineering Safety Excellence Awards which will be given out at BCA Awards Night in the year 2008.
4. Details of the Award and the application form are available at the BCA website at <http://www.bca.gov.sg>, a copy of which is attached. If you require further clarification, please contact Er. Ng Kay Beng (Tel: 63257581; E-mail: ng_kay_beng@bca.gov.sg) or Er. Tan Chong Lin (Tel: 63254891; E-mail: tan_chong_lin@bca.gov.sg).

Your faithfully



CHEW KEAT CHUAN
CHAIRMAN
SAFETY AWARD ORGANISING COMMITTEE
BUILDING AND CONSTRUCTION AUTHORITY

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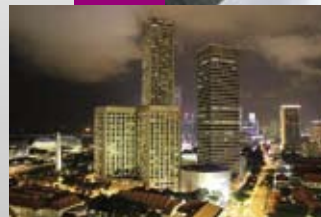
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DESIGN AND ENGINEERING SAFETY EXCELLENCE AWARDS

To distinguish Singapore's built environment from that of other cities, one of the four key areas where BCA has significant influence, is ensuring high safety standards during design and construction. In our effort to achieve our vision to have the "best built environment for Singapore, our distinctive global city", BCA is introducing a new award, "**Design and Engineering Safety Excellence Award**". The award is aimed at recognising efforts by professional engineers and other members of the project teams in overcoming various challenges to ensure safety in design, construction and maintenance of a building through adoption of innovative design processes, measures and solutions.

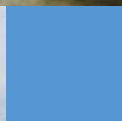
The assessment criteria for the award will include the following:

- a. **DESIGN PROCESSES AND SOLUTIONS** that emphasize safety, such as the use of innovative features or materials, design solutions that can be constructed safely without compromising buildability or economy, collaboration between the structural engineer and other project team members, competent staff, peer reviews, specialist input and verification tests.
- b. **QUALITY APPROACH** in design, details and specifications including comprehensive design analysis, proven detailing and clearly spelled out specifications.
- c. **DESIGN FOR SAFE OPERATION AND MAINTENANCE** that incorporate provisions for safe inspection of key structural elements, features that facilitate maintenance and/or replacement of structural components as well as durability considerations.
- d. **CONSTRUCTION QUALITY AND SAFE CONSTRUCTION PROCESSES** such as well-defined Builder's site management and supervision, QP's supervision and inspections, testing, reporting and monitoring programme.
- e. **PUBLIC SAFETY CONSIDERATION** such as safety provisions and management of the construction process, structural systems that minimise impact on neighbourhood during construction, no adverse feedback regarding safety and environmental issues.



Award Categories

- Civil Engineering Projects
- Building Projects



Assessment Committee		
Chairman	Mr Pek Lian Guan	BCA Board Member
Members	A/Prof Tan Teng Hooi	Nanyang Technological University
	A/Prof Harry Tan Siew Ann	National University of Singapore
	Ms Rita Soh	Singapore Institute of Architects
	Er. Lim Chong Sit	Association of Consulting Engineers Singapore
	Er. Chan Ewe Jin	Institution of Engineers Singapore
	Er. Dr Nasim Shahzad	Meinhardt Singapore Pte Ltd
	Er. Lai Huen Poh	RSP Architects Planners and Engineers Pte Ltd
	Er. Yap Tiem Yew	Housing and Development Board
	Er. Ong See Ho	Building and Construction Authority

Application and Enquires

Application Forms and more information can be found on the BCA website www.bca.gov.sg

For more information, please contact:

Mr Ng Kay Beng at 6325 7481, ng_kay_beng@bca.gov.sg or fax to 6325 7482

You may also submit your enquiry in writing to:

**Secretary
Design & Engineering Safety Excellence Awards
Building and Construction Authority
5 Maxwell Road
#05-00 Tower Block, MND Complex
Singapore 069110**



Building and Construction



Authority



Design & Engineering
Safety Excellence

Award

**BUILDING AND CONSTRUCTION
AUTHORITY**

**BCA
DESIGN AND ENGINEERING
SAFETY EXCELLENCE AWARDS 2008**

THE BCA DESIGN & ENGINEERING SAFETY EXCELLENCE AWARDS 2008 give recognition to the Qualified Person for Structural Works and the project team members for ingenious design processes and solutions in overcoming project challenges to ensure safety in design, construction and maintenance of building and civil engineering projects.

The Awards aim to:-

- a) to inculcate a strong safety culture among building professionals in developing our built environment;
- b) give recognition to QPO (Structural Works) for their engineering achievements;
- c) provide an avenue through which competition for work excellence may be enhanced.

CATEGORY OF AWARDS

The Awards will be given out under two categories:

**Building
Civil Engineering**

ELIGIBILITY

In order to be considered for the Awards, nominated projects must meet the following eligibility criteria:

all Building/Civil Engineering projects must have been completed in Singapore and have obtained TOP or CSC between **1 Jan 2005 and 31 Dec 2007**

ASSESSMENT CRITERIA

Nominations will be judged by an Assessment Committee. Members of the Assessment Committee comprise esteemed representatives from tertiary institutions, practitioners/consultants, professional institutes/association from building industry.

The assessment criteria are:

	BUILDING and CIVIL ENGINEERING PROJECTS	
A	<i>Design</i>	70%
	1) <u>Structural Design processes and solutions that emphasize safety</u> Ingenious design processes and solutions to meet challenges posed by the unique nature of the project: <ol style="list-style-type: none"> i) elegant choice of special or innovative features, advanced structural system, including robust design concept, or materials to address the challenges and risks; ii) design solutions that can be constructed safely without compromising buildability or economy; iii) careful integration of design between the structural engineer, architect and other design professionals; iv) judicious use of competent staff, peer review, specialists input, and verification tests 	40%
	2) <u>Quality approach in design, details and specification</u> <ol style="list-style-type: none"> i) comprehensive design analysis and checks; ii) well thought through and excellent attention to detailing; iii) well defined particular specifications to achieve design intent relating to special or key elements of structural system 	15%
	3) <u>Design for safe operation and maintenance</u> <ol style="list-style-type: none"> i) provisions for safe inspection of key structural elements after completion; ii) design features that facilitate maintenance and/or replacement of structural components; iii) durability considerations. 	15%
B	<i>Construction</i>	30%
	1) <u>Construction quality and safe construction processes</u> Commitment to high standards of site management and building safety beyond statutory duties: <ol style="list-style-type: none"> i) well-defined Builder's site management and supervision plan; ii) QP's supervision and inspection, testing and monitoring programme; iii) excellent or innovative construction method. 	15%
	2) <u>Public Safety considerations</u> Minimise impact of construction activities to the immediate neighbourhood: <ol style="list-style-type: none"> i) Safety provisions and management of the construction; ii) adoption of structural systems that minimise impact to neighbourhood during construction; iii) no adverse public feedback/complaints regarding safety and environmental issues 	15%

PRESENTATION TO ASSESSMENT COMMITTEE

Only short-listed nominees will be required to put up a presentation to the Assessment Committee on their nominated project, and the presentation will likely be held in **Mar/Apr 2008**. The presentation can be in MS Powerpoint, multi-media and/or video presentation highlighting the distinctive features of the project and addressing the evaluation criteria. The presentation should not be more than 15 minutes in duration and will be followed by a question and answer session.

ANNOUNCEMENT OF AWARDS

The Awards will only be conferred to projects that have achieved the highest standards of design and engineering for safety excellence.

Winners of the BCA Design & Engineering Safety Excellence Awards will receive a specially design plaque. In addition, the developer/owner, architect, main contractor, specialist professional engineer and specialist contractor of the award winning project will be presented with a Certificate each. Winners will receive the Award from the Guest-of-Honour at the BCA Awards Night.

BCA will notify all nominees of the results which will also be released to the press. All enquiries concerning entries for the BCA Design & Engineering Safety Excellence Awards shall be officially written to the following address:

The Secretary
BCA Design & Engineering Safety Excellence Awards 2008
Building and Construction Authority
5 Maxwell Road #05-00
Tower Block MND Building
Singapore 069110

Attention: Mr Ng Kay Beng
Email address: ng_kay_beng@bca.gov.sg
Tel : 63257581 Fax : 63257482

TERMS AND CONDITIONS

Nominees shall agree to abide by the following terms and conditions governing the Awards:

1. All materials submitted in connection with the entries shall become the property of the Building and Construction Authority (BCA).
2. Award recipients are expected to share information on their successful projects with the construction industry. This sharing of information may take the form of presentations, seminars, exhibitions and/or the hosting of company visits.
3. The BCA reserves the right to use any materials submitted in connection with the entries in any way deemed fit, without payment or royalties, and regardless of the results of the Award. This includes, but not limited to, the publication and/or exhibition of photographs, materials and /or names.
4. Nominees shall fully indemnify the BCA and hold it harmless, against any claim, liability, responsibility or damages which may result from the BCA's use of the materials submitted by the entrants in connection with their entries.
5. The Assessment Committee reserves the right to defer the judgment on any shortlisted project if at any time during the assessment process, any development or incident arise concerning any party linked to the project, which is likely to result in adverse publicity to the Awards, the BCA and/or the construction industry. The duration of any such deferment shall be at the sole discretion of the Assessment Committee.
6. The BCA reserves the right to withdraw or withhold any award, if in the opinion of the BCA, the conferment of such award might result in any adverse publicity to the Awards, the BCA and/or the construction industry, because of any development or incident concerning any party linked to the recommended award winning project. The duration and extent of any such withdrawal or withholding shall be at the sole discretion of the BCA.

REQUIREMENTS OF ENTRY

ENTRY FORM

Nominations must be made on the Entry Form which should be submitted by **31 Jan 2008** to:

The Secretary
BCA Design & Engineering Safety Excellence Awards 2008
Building and Construction Authority
5 Maxwell Road #05-00
Tower Block MND Building
Singapore 069110

PROJECT REPORT

Ten (10) copies of the Project Report must be submitted to the BCA Secretary together with the Entry Form. The Project Report should include photographs and drawings where appropriate.

The Project Report shall be type-written in Time New Roman, Font 12 and single spaced in **A4 format**. As far as possible, all materials should be bound into the submission in **A4 format** and shall include the following sections:

Title Page (Max. 1 page)

- Project name
- Role of firm
- Role and names of other consultants/architects

Report proper (Max. 8 pages)

The report proper shall include the following headings to address each of the assessment criteria:

- **Synopsis** – a brief project description (100 words).
- **Design processes and solutions that emphasis safety** – Should describe the ingenious design processes and solutions to meet challenges posed by the unique nature of the project
- **Quality approach in design, details and specifications** - Should describe how comprehensive the design analysis, proven detailing and clear specifications to achieve design intent.
- **Design for safe operations and maintenance** - Should describe the design considerations made for safe inspection of key structural elements and features that facilitates maintenance and/or replacement of structural components and for durability.
- **Construction quality and safe construction processes** – Should describe the commitment to high standards of site management and building safety beyond statutory duties i.e. well defines Builder's site management and supervision plan, QP's supervision and inspection, testing and monitoring programme and innovative construction method.
- **Public safety** – Should describe the impact of construction activities to the immediate neighbourhood and how it was minimize.

Photographs, sketches and diagrams (Max. 5 pages)

- Photographs, sketches or diagrams may be used to illustrate and describe the achievement. Colour photocopies may also be used.

Note: Other materials such as display panels, audio-visuals, elaborate presentations, etc, are not required at the submission stage.

ADDITIONAL MATERIALS REQUIRED FROM WINNERS

The winners will be required to submit a PowerPoint which can be used for the audio-visual presentation during Awards Presentation and for other publicity activities. A brief write-up on the project by the QP for Structural Works, including supporting documents with soft copy and photographs stored in CD-R / DVD-R shall be submitted.

**BCA
DESIGN AND ENGINEERING SAFETY EXCELLENCE
AWARDS 2008**

NOMINATION FORM

I have read and understood the eligibility requirements and wish to nominate the following project for the BCA Design and Engineering Safety Excellence Awards. I declare that the project does not have any safety-related fatalities in which the main contractor was found liable. I understand BCA reserves the right to defer judgment on the project if it has pending court cases on safety-related fatality.

Name of QP (Structural Works):	
Address, Tel & Fax of Firm	
Name & Designation of Firm's Principal/Chief Executive:	
Signature:	
E-mail address:	
Project Title:	
BP Number:	
Category of Nomination:	
TOP or CSC Date:	
Actual Construction Cost:	

AGREEMENT OF DEVELOPER/OWNER

I support the above nomination and declare that the project is currently not involved in any legal dispute pertaining to any complaint on safety issues in the project. I understand that BCA reserves the right to defer judgment on the project should any legal dispute arise during the assessment process.

Name & Address of Developer/Owner:	
Name & Designation of Principal/Chief Executive of Developer/Owner:	
Signature:	
E-mail address:	

INFORMATION ON PROJECT AND OTHER PROJECT PARTIES

Name of Project:	
Construction Period of Project:	
Name of QP (Building Plans):	
Address, Tel & Fax of Firm:	
Name of Builder:	
Address, Tel & Fax of Builder:	
Name of Specialist Consultant (where applicable):	
Address, Tel & Fax of Firm:	
Name of Specialist Consultant (where applicable):	
Address, Tel & Fax of Firm:	