

**PROJECT REFERENCE DATA SHEETS**

**Project Name** ▶ Soccer Stadium, Ontario

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**Client/Owner** ▶ Client **Yr.** ▶ --

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**Design Cost** ▶ -- **Contract Cost** ▶ --

**Description of Work:**

CSE was retained to assist with the accelerated installation of the bleacher stands at the above captioned site. The accelerated construction of the bleacher stands was required in order to meet the tight construction complete date to accommodate the 2015 Pan-Am Games.

Our scope of work included developing a complete structural model of the bleacher stands and modeling the steel framing, shear walls, braces and exterior masonry walls.

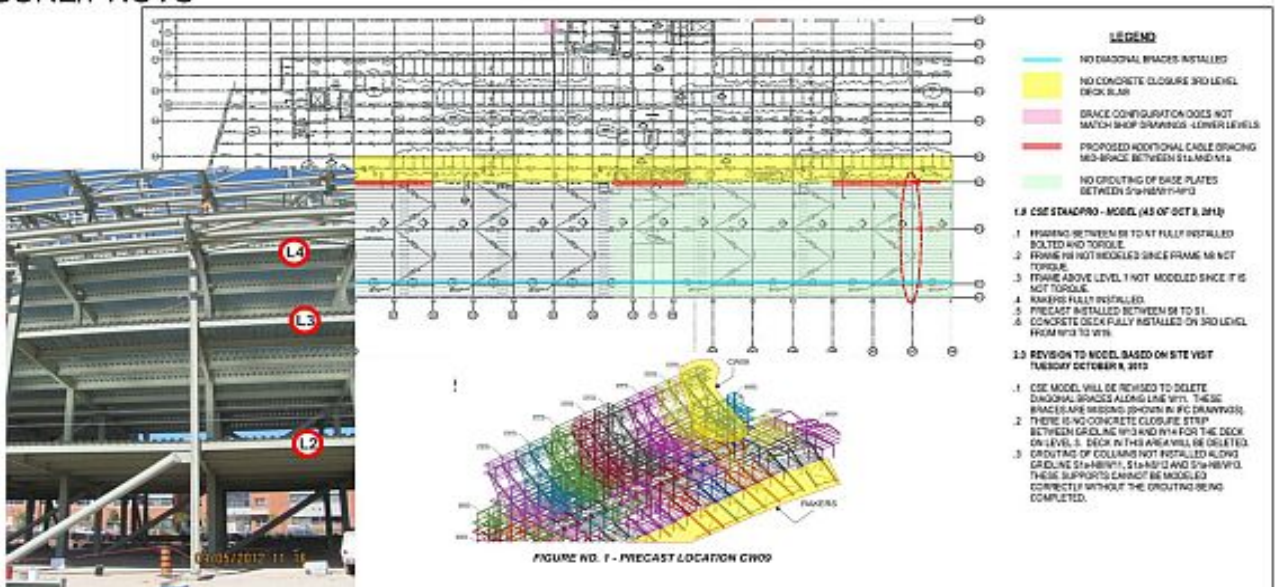
Using the structural model, CSE then initiated the installation of the heavy precast units, while developing the required temporary braces required to keep the framing system laterally stabilized during the construction stages.

Extensive meeting and co-ordination with trades was required to obtain time lines of erections for the mechanical, masonry, bracing, floor and slab-on-grade structures.

Our services were expanded as the work progressed to include a review of allowable construction equipment on the floors.

Our services were successfully provided with the resulting achievement of cutting the installation of the bleachers by one (1) year.

**FIGURE/PHOTO**



**PHOTOGRAPH NO. 1**  
 (METAL DECKING INSTALLATION 09/05/12)

	CLIENT: <b>Soccer Stadium, Ontario</b> PROJECT NO: <b>1305.13 - 18/1/13</b> DATE: <b>12/1/12</b>	SHEET NO: <b>TP1-01</b> DRAWN BY: <b>JG TIG</b> CHECKED BY:
	ORIGINAL STRUCTURAL ENGINEERS INC.	