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| [Logo: Jerusalem Ort-Oleiski College] | [Emblem of the State of Israel] | [Logo: Mahat] |
| **JERUSALEM ORT COLLEGE**  **Technological College for Technicians and Engineers** | **State of Israel**  **The Ministry of Industry, Commerce and Employment** | **Mahat**  **The Government Institute for Technology and Science Training** |

**DIPLOMA**

**The Governmental Institute for Technology and Science Training,**

**the College’s Administration and the Council of Lecturers**

Award Ms. / Mr. **Shmuel Harrari** ID No. **332566785**

**Degree of Engineering**

in the track: **Civil Engineering**

secondary track: **Construction Management**

**after he/she completed his studies, passed the national final exams and defended his/her final project.**

**28 of Av, 5773**

Eligible to receive a diploma since: **August 4th, 2013**

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| [Signature: Limor Nissan]  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | [Stamp: Jerusalem ORT – Oleiski Campus]  [Signature: Ruth Berkovitch]  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | [Signature: Dalia Zilcha + Stamp: *illegible* for Engineers and Technicians]  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |
| **Director of Mahat** | **Director of the College** | **Director of the Pedagogical Department** |

**Given in Jerusalem on the 16th  of October , 2013**

**Certificate no. 138515**

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| [Logo: Jerusalem Ort-Oleiski College] |
| **JERUSALEM ORT COLLEGE**  **For Advanced Technologies and Science for Engineers** |

**GRADE SHEET**

(Appendix to the Engineering Diploma)

Mr. **Shmuel** **Harrari** ID no.: **332566785**

Primary track: **Civil Engineering**

Secondary track: **Construction Management**

He began his engineering studies on 30 October 2011 and completed them on 31 July 2013

The following details the subjects he studied, the hours studied, and the grades he received:

|  |  |  |
| --- | --- | --- |
| Subject | Study hours | Final grade |
| Mathematics | 96 | 87 |
| Technical English | 64 | 100 |
| Architectural drawing and building details | 64 | 100 |
| Building services | 64 | 93 |
| Personal marketing and labor laws | 32 | 90 |
| Geodesy | 80 | 92 |
| Computer applications—planning buildings dimensions | 64 | 86 |
| Computer applications—AutoCAD | 64 | 99 |
| Construction drawing | 144 | 95 |
| Calculation and pricing | 32 | 100 |
| Road, infrastructure, and development works | 80 | 94 |
| Green building | 16 | 90 |

|  |  |  |
| --- | --- | --- |
| Subject | Study hours | Final grade |
| Physics | 48 | 100 |
| Technical drawing and theoretical engineering | 32 | 100 |
| Planning and construction law | 32 | 70 |
| Construction and building theory | 128 | 94 |
| Construction materials | 64 | 100 |
| Ground and foundation engineering | 64 | 92 |
| Computer applications—introduction | 32 | 100 |
| Computer-assisted site organization and management | 32 | 90 |
| Steel and wood structures | 65 | 90 |
| Construction supervision | 32 | 95 |
| Construction site planning workshop (project) | 48 | 92 |
| Structure planning workshop | 64 | 95 |

Upon completing his studies, he passed the national final exams.

The following are the subjects on which he was tested and the grades he received:

|  |  |  |  |
| --- | --- | --- | --- |
| Subject | Date of the exam | Study hours | Final grade |
| Static calculations and material strength | July 2012 | 272 | 78 |
| Concrete structures | February 2013 | 176 | 84 |
| Engineering Planning A—Basic format | July 2013 | 160 | 80 |

|  |  |  |  |
| --- | --- | --- | --- |
| Subject | Date of the exam | Study hours | Final grade |
| Construction organization and management | July 2013 | 144 | 92 |
| Construction safety | July 2013 | 80 | 59 |

He submitted a project on the topic: School expansion—building and development.

He defended the project on 4 August 2013 and received a grade of 92.

This sheet is valid when attached to Diploma no. **138515**

**The student is eligible to receive the diploma**

[Stamp: Jerusalem Ort College / Oleiski Campus]

Sincerely,

Ruth Berkovitch

[Signature]

The Director of the College

This grade sheet is valid when attached to the diploma.