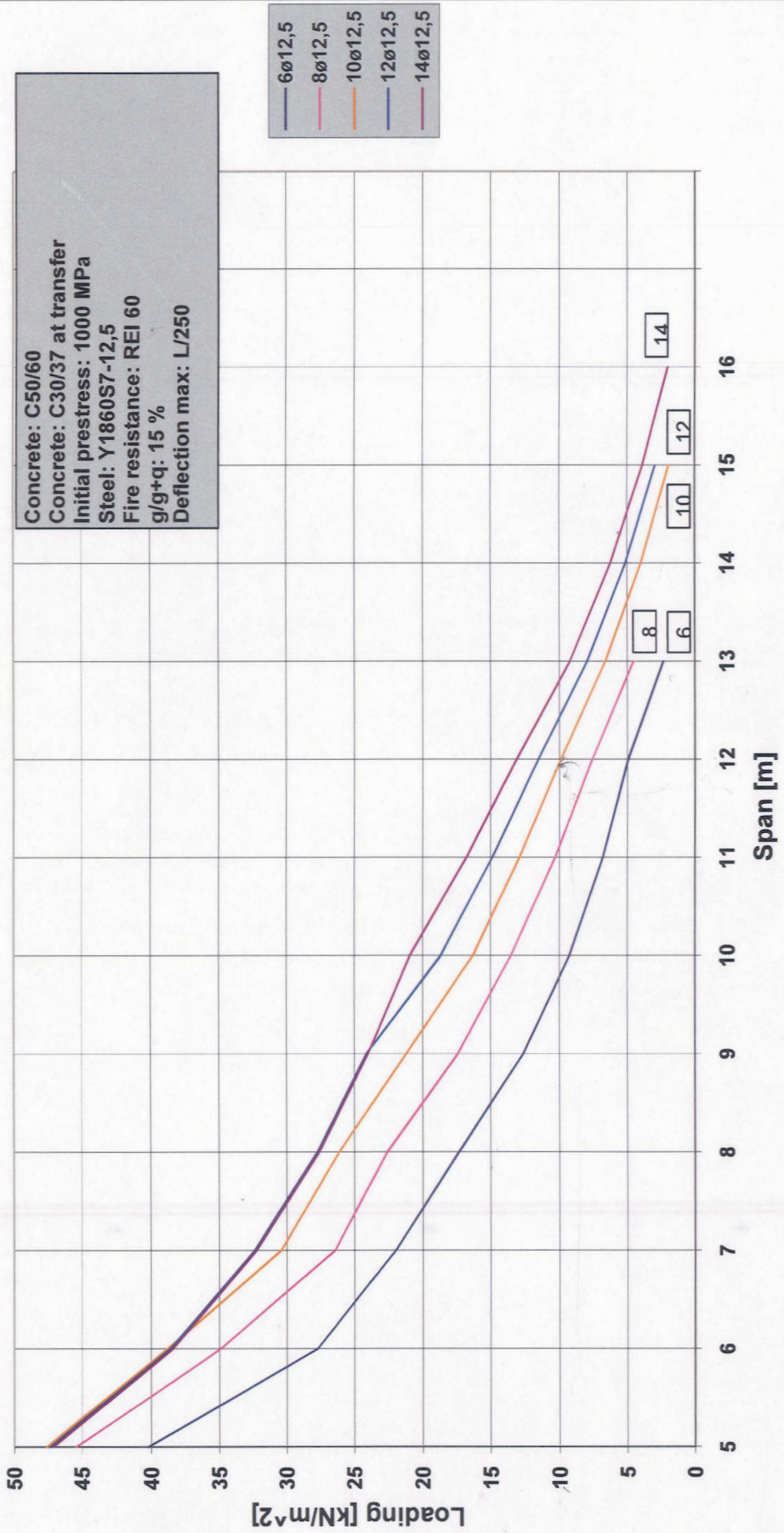
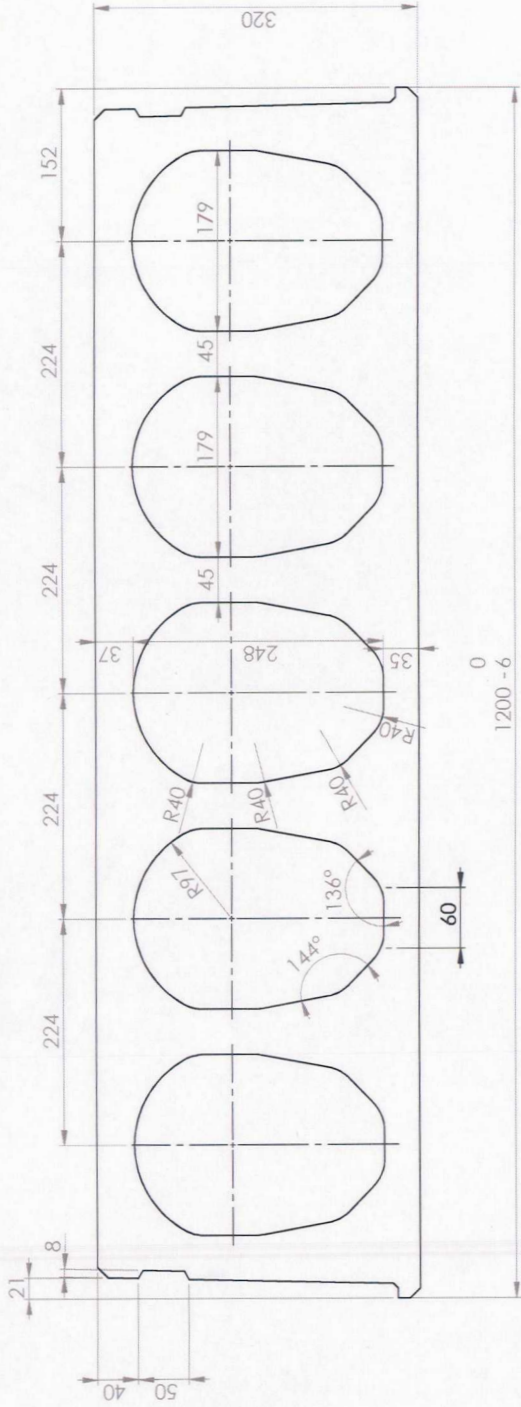


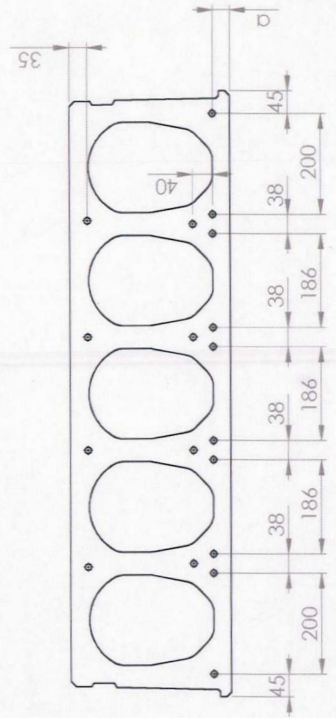
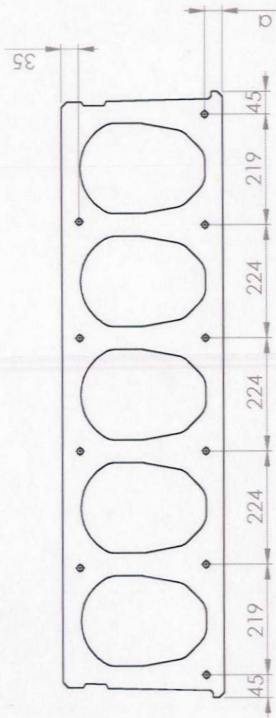
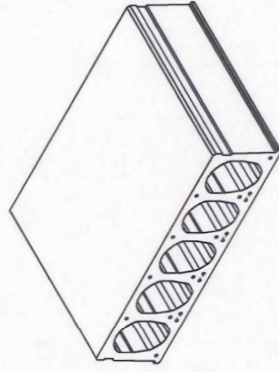
**Capacities of HCE320; P651468;  
According to EN 1168 and EC2**





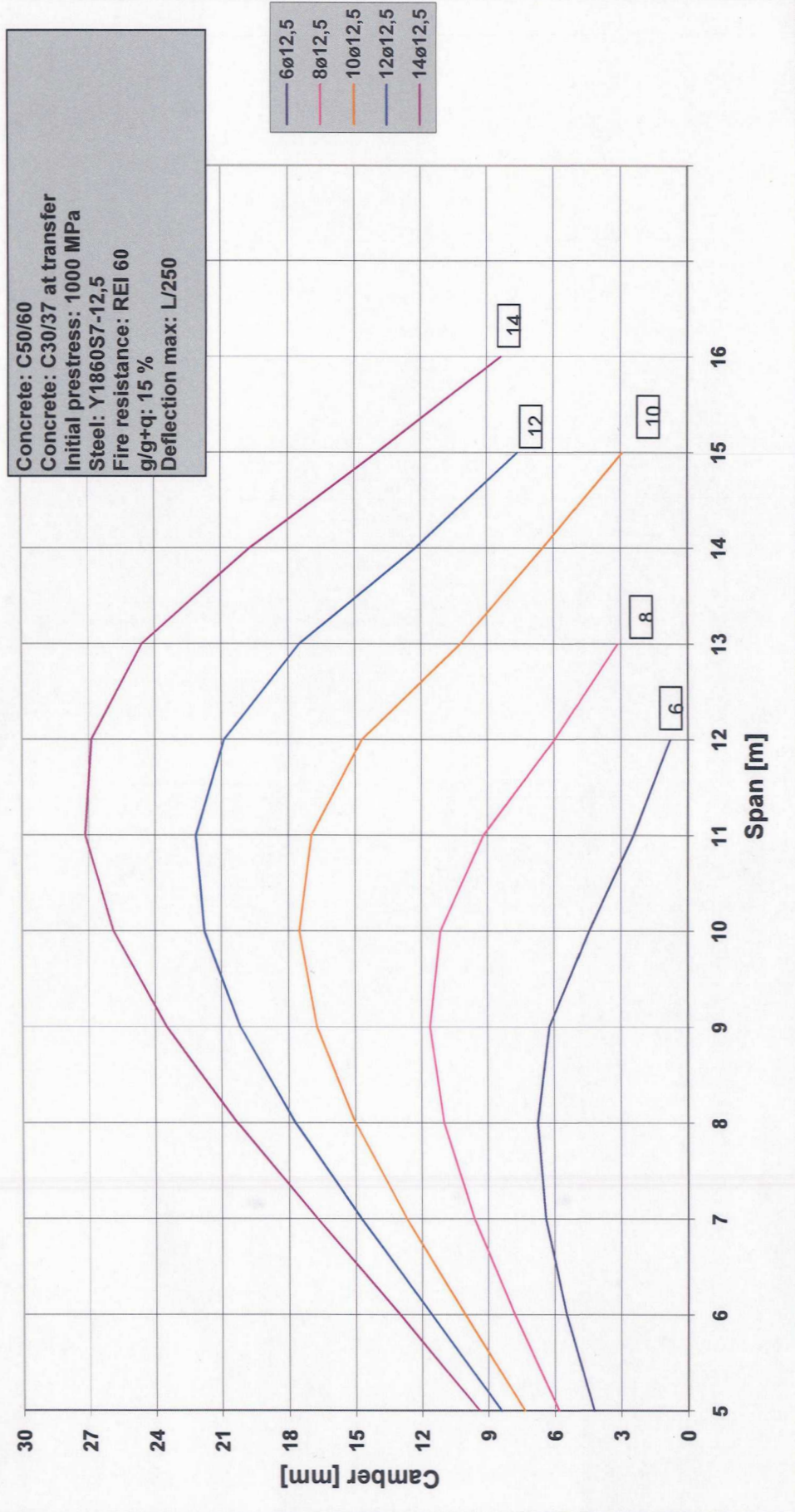
|  |      |                   |
|--|------|-------------------|
| Area of Cross-Section                      | 1881 | cm <sup>2</sup>   |
| Theoretical Weight of the Slab (+ Strands) | 376  | kg/m <sup>2</sup> |
| Density (in calculations)                  | 2400 | kg/m <sup>3</sup> |

|         |        |         |
|---------|--------|---------|
| EN 1168 | Strand | Ø12,5mm |
| REI60   | a =    | 35mm    |
| REI90   | a =    | 45mm    |
| REI120  | a =    | 55mm    |



|                          |                   |                    |                 |                                  |      |       |        |      |      |
|--------------------------|-------------------|--------------------|-----------------|----------------------------------|------|-------|--------|------|------|
| Scale                    | Dwg type          | SolidWorks Drawing | Total weight    | kg                               | Rev. | Times | Change | Date | Name |
| 1:5                      | Dwg size          | A3L                | Material weight | kg                               |      |       |        |      |      |
| Measures Surface texture | General tolerance |                    | Drawn           | 28.05.09 LET                     |      |       |        |      |      |
| $R_a$ / $\sqrt{\mu m}$   |                   |                    | Check           |                                  |      |       |        |      |      |
| $R_z$ / $\mu m$          |                   |                    | Appr.           |                                  |      |       |        |      |      |
| Valmistus 1              | Part              | pcs                | Job No.         |                                  |      |       |        |      |      |
| Belongs to               |                   |                    | Description     | HOLLOW CORE SLAB                 |      |       |        |      |      |
| Min. Code                |                   |                    |                 | ONTELOLAATTA                     |      |       |        |      |      |
| CEM Code                 |                   |                    |                 |                                  |      |       |        |      |      |
|                          |                   |                    |                 | Dwg No. P651468                  |      |       |        |      |      |
|                          |                   |                    |                 | ELEMATIC OY AB FIN-37600 TOIJALA |      |       |        |      |      |
|                          |                   |                    |                 | ELEMATIC FINLAND                 |      |       |        |      |      |

**Deflection curves of HCE320  
after 14 d in stockyard**



Capacity curves of hce320 (5 voids); P651468  
According to EN1168 and EC2

Capacities

|    | 6ø12,5 | 8ø12,5 | 10ø12,5 | 12ø12,5 | 14ø12,5 |
|----|--------|--------|---------|---------|---------|
| 5  | 40,25  | 45,44  | 47,59   | 47,35   | 47,11   |
| 6  | 27,74  | 34,92  | 38,82   | 38,62   | 38,42   |
| 7  | 21,99  | 26,42  | 30,41   | 32,4    | 32,24   |
| 8  | 17,33  | 22,59  | 26,12   | 27,75   | 27,6    |
| 9  | 12,65  | 17,4   | 21,2    | 24,13   | 23,99   |
| 10 | 9,3    | 13,54  | 16,3    | 18,68   | 20,94   |
| 11 | 6,83   | 10,33  | 12,94   | 14,9    | 16,77   |
| 12 | 4,95   | 7,6    | 9,92    | 11,57   | 13,13   |
| 13 | 2,34   | 4,54   | 6,64    | 7,97    | 9,25    |
| 14 |        |        | 4,01    | 5,15    | 6,25    |
| 15 |        |        | 1,94    | 2,93    | 3,89    |
| 16 |        |        |         |         | 2,01    |

Deflections

|    | 6ø12,5 | 8ø12,5 | 10ø12,5 | 12ø12,5 | 14ø12,5 |
|----|--------|--------|---------|---------|---------|
| 5  | 4,23   | 5,83   | 7,37    | 8,41    | 9,41    |
| 6  | 5,47   | 7,81   | 10,04   | 11,54   | 13      |
| 7  | 6,41   | 9,62   | 12,69   | 14,75   | 16,74   |
| 8  | 6,76   | 10,98  | 15,01   | 17,71   | 20,32   |
| 9  | 6,22   | 11,6   | 16,73   | 20,16   | 23,49   |
| 10 | 4,44   | 11,13  | 17,51   | 21,77   | 25,89   |
| 11 | 2,45   | 9,19   | 16,97   | 22,15   | 27,16   |
| 12 | 0,8    | 5,98   | 14,69   | 20,88   | 26,88   |
| 13 |        | 3,15   | 10,21   | 17,51   | 24,59   |
| 14 |        |        | 6,49    | 12,25   | 19,71   |
| 15 |        |        | 2,92    | 7,62    | 13,98   |
| 16 |        |        |         |         | 8,37    |