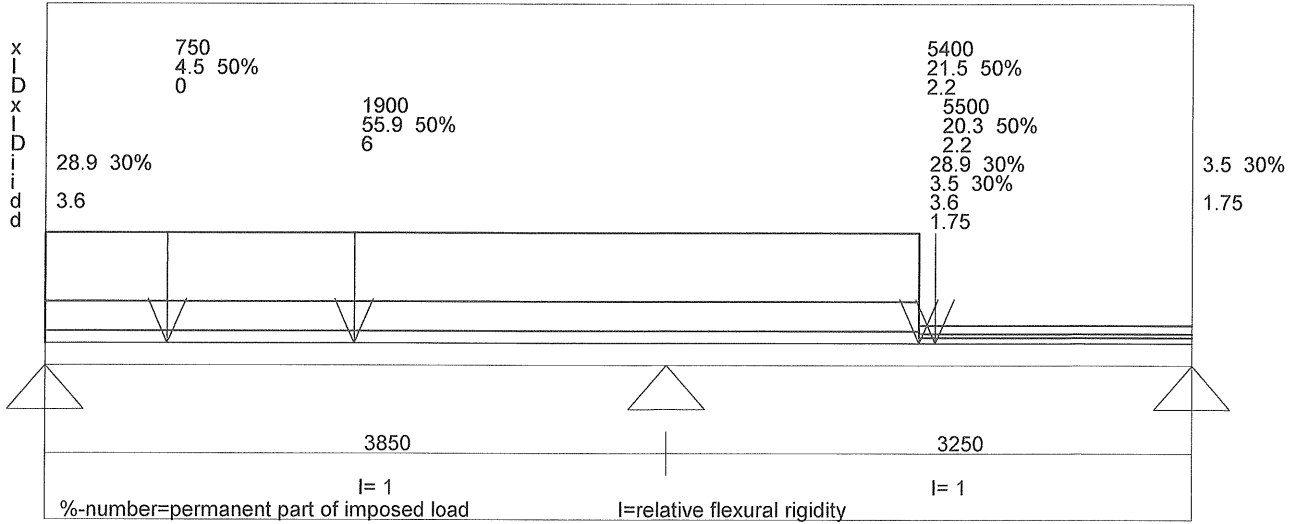
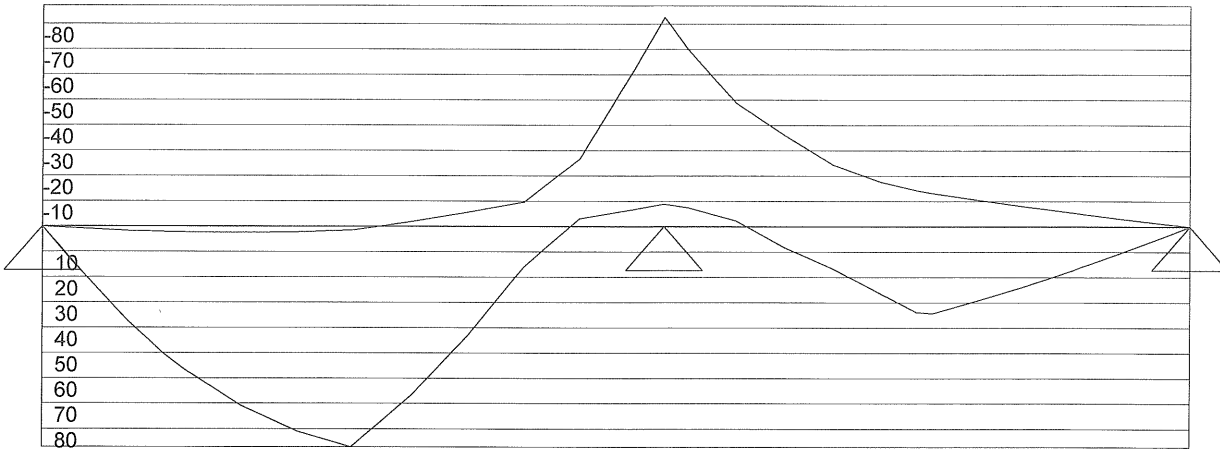


Structural Engineer:

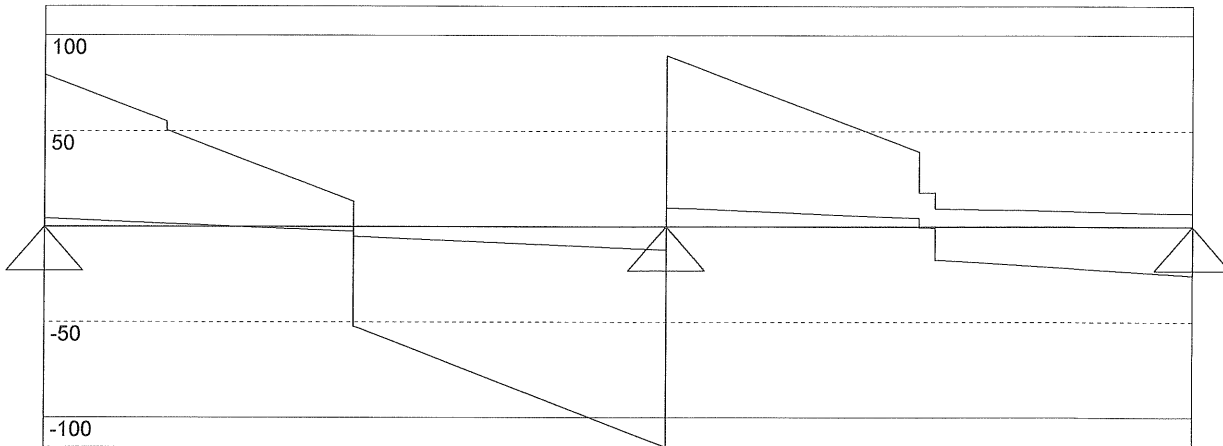
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Load factor of dead load= 1 Load factor of imposed load= 1

Load width 1 (m) (by which the loads has been multiplied during calculation)

Max/Min reactions of beam [kN]

79,439 205,008 25,666

4,281 22,173 -6,793

L40 380 x 390 B 2 Cf=0,97 Design method: Allowable stress design

Increasing factor of the allowable stress 1,03

Factored Moment/Moment capacity [kNm] 87,130 142,984 61 %

Factored shear force/shear capacity [kN] 115,429 116,534 99 %

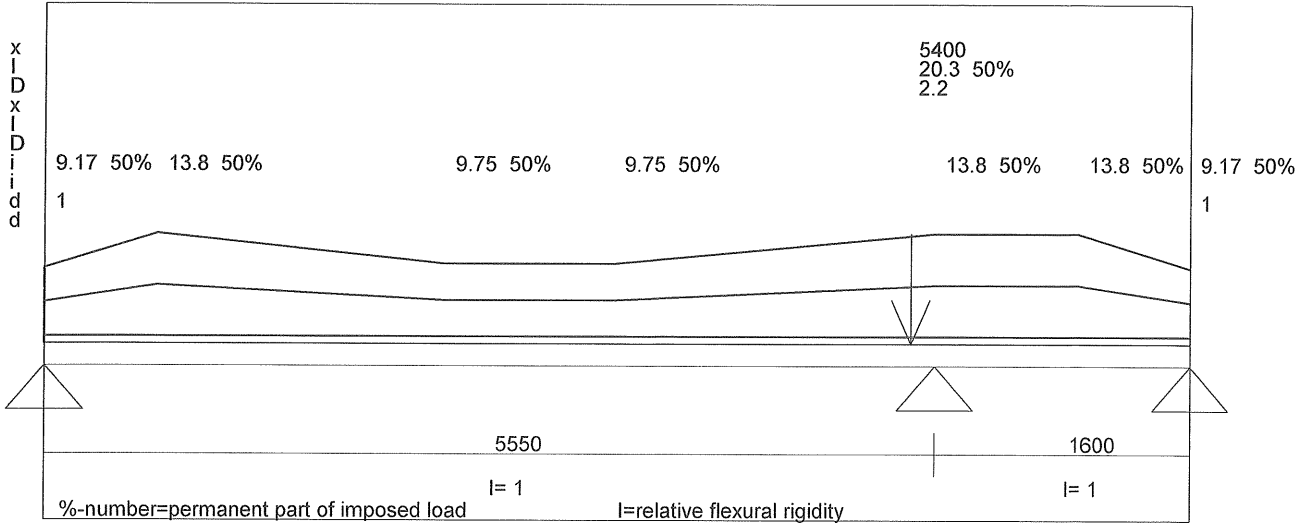
GL (2) 7 1/2" x 15 3/8"

Deflection due to unfactored load (Deflection limit L/360)

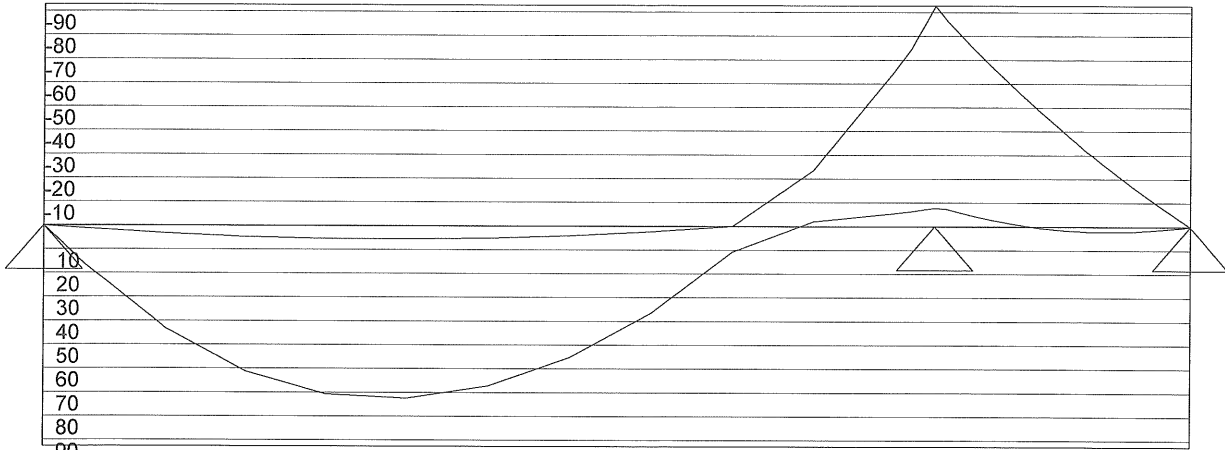
6,6 mm (62 %) 1,6 mm (18 %)

Structural Engineer:

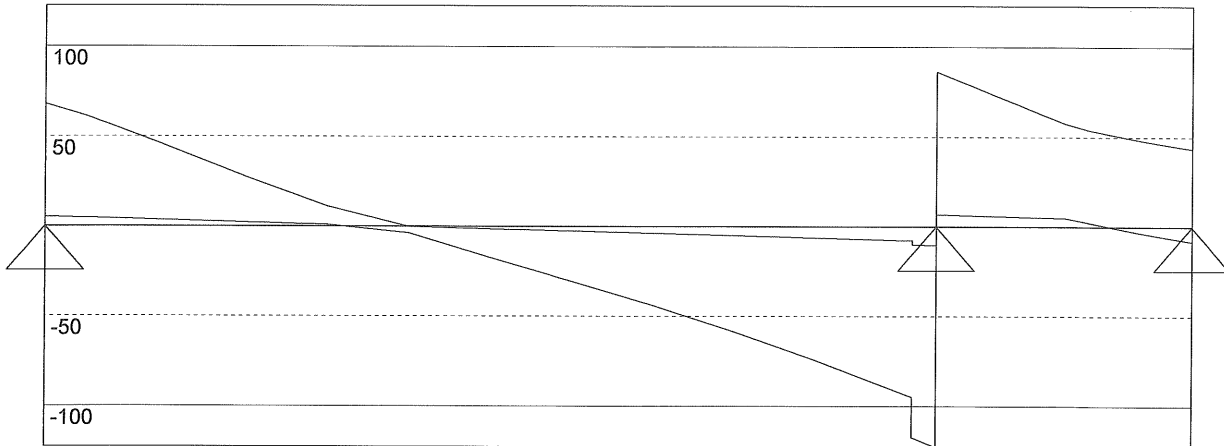
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Load factor of dead load= 1 Load factor of imposed load= 1

Load width 2.45 (m) (by which the loads has been multiplied during calculation)

Max/Min reactions of beam [kN]

67,927 209,092 8,202

5,246 17,155 -43,405

L40 380 x 430 B 2 Cf=0,96 Design method: Allowable stress design
Increasing factor of the allowable stress 1,02

Factored Moment/Moment capacity [kNm] 92,662 171,091 54 %

Factored shear force/shear capacity [kN] 122,747 127,850 96 %

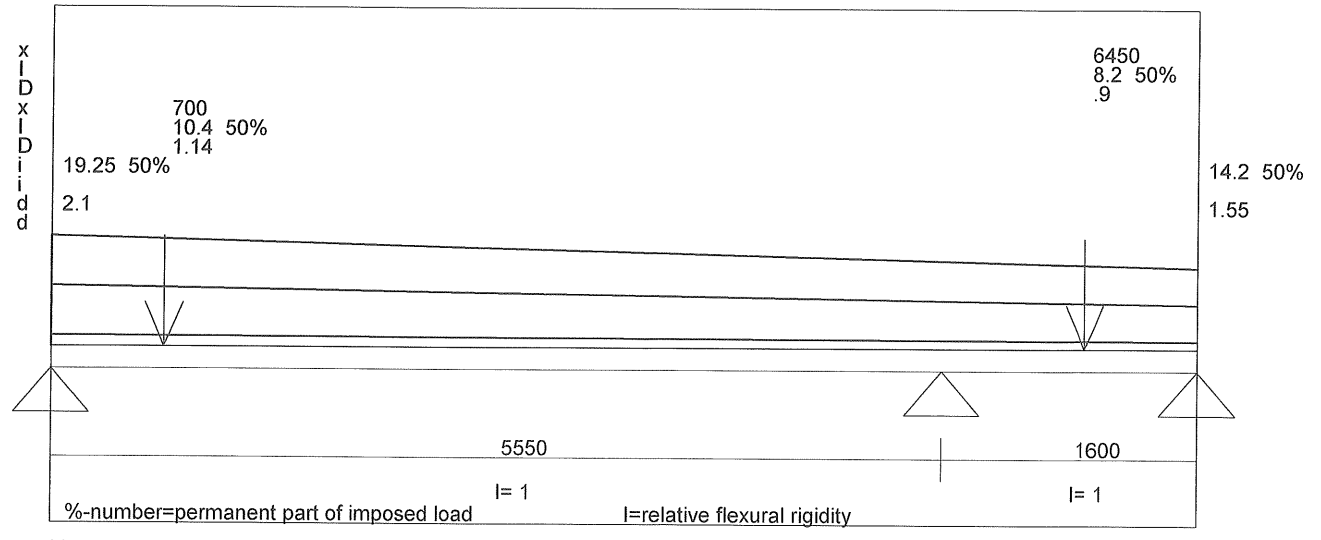
GL (2) 7 1/2" x 17"

Deflection due to unfactored load (Deflection limit L/360)

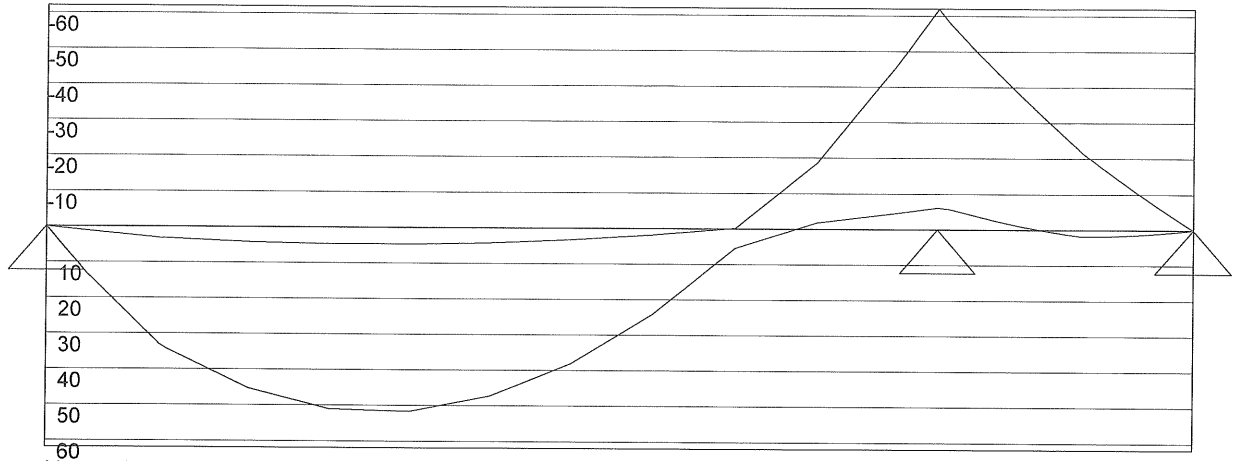
9,0 mm (58 %) 0,0 mm (0 %)

Structural Engineer:

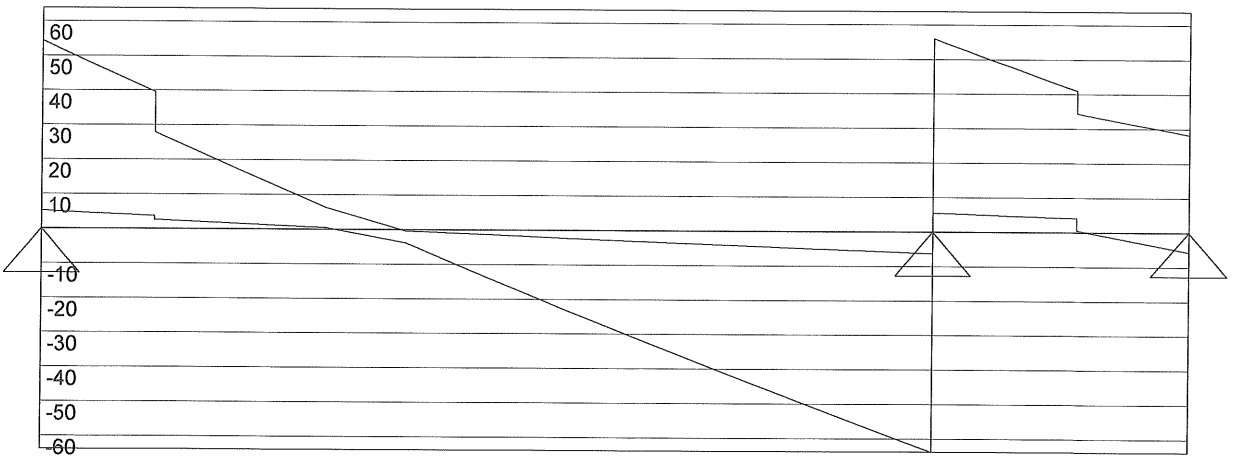
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Load factor of dead load= 1 Load factor of imposed load= 1
 Load width 1 (m) (by which the loads has been multiplied during calculation)
 Max/Min reactions of beam [kN]
 54,274 119,761 5,612
 5,186 11,786 -28,297

L40 380 x 430 B 2 Cf=0,96 Design method: Allowable stress design
 Increasing factor of the allowable stress 1,03
 Factored Moment/Moment capacity [kNm] 61,922 171,870 36 %
 Factored shear force/shear capacity [kN] 63,808 128,433 50 %

GL (2) 7 1/2" x 17"

Deflection due to unfactored load (Deflection limit L/360)
 6,3 mm (41 %) 0,0 mm (0 %)

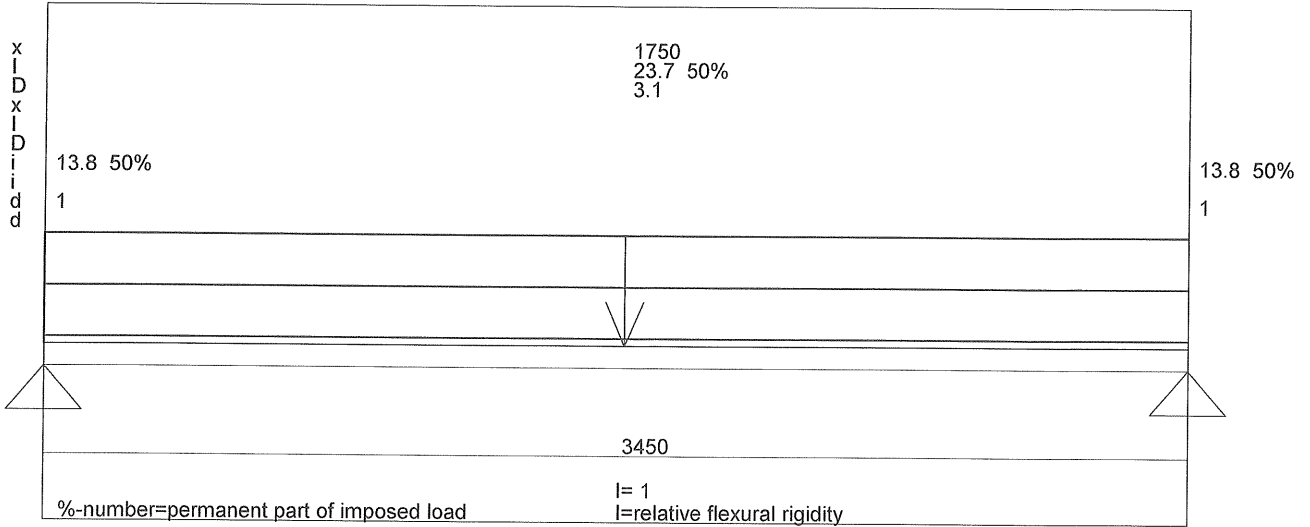
Beam Id: LOT#70 MB

7 LVL

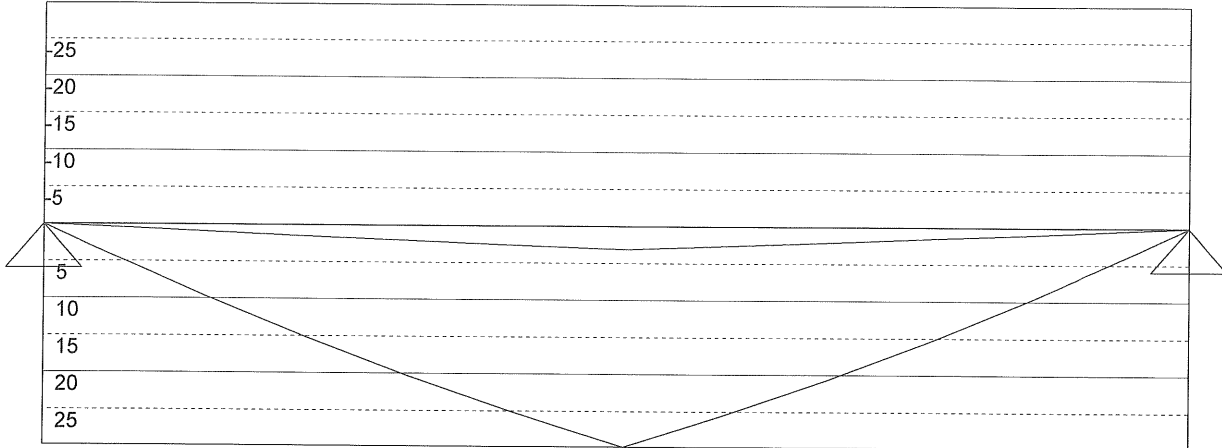
Date 19-06-2018

Structural Engineer:

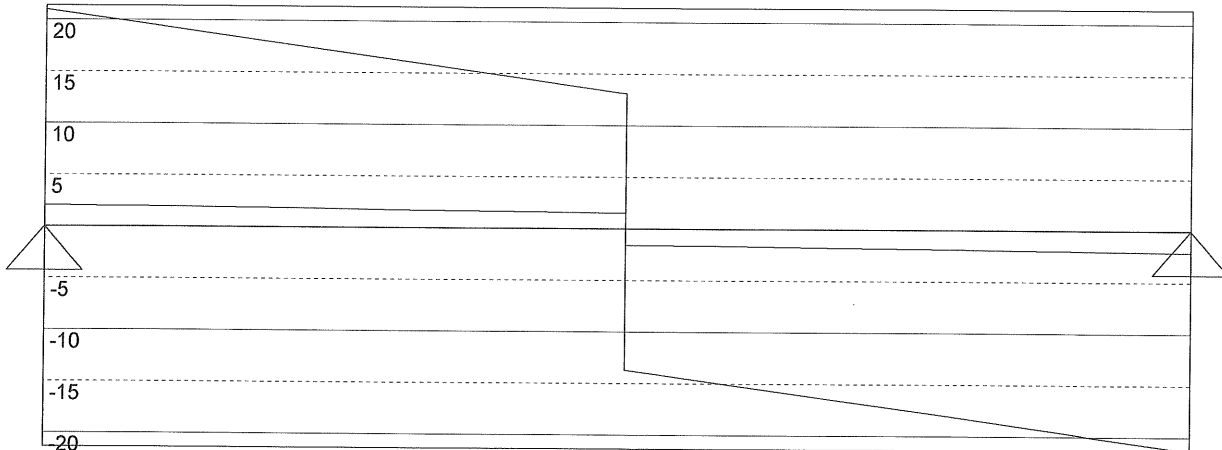
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Load factor of dead load= 1 Load factor of imposed load= 1

Load width .305 (m) (by which the loads has been multiplied during calculation)

Max/Min reactions of beam [kN]

20,991 21,381

2,054 2,099

KER 152 x 300 B 2 Cf=1,00 Design method: Allowable stress design

Increasing factor of the allowable stress 1,03

Factored Moment/Moment capacity [kNm] 29,825 42,071 71 %

Factored shear force/shear capacity [kN] 21,379 52,978 40 %

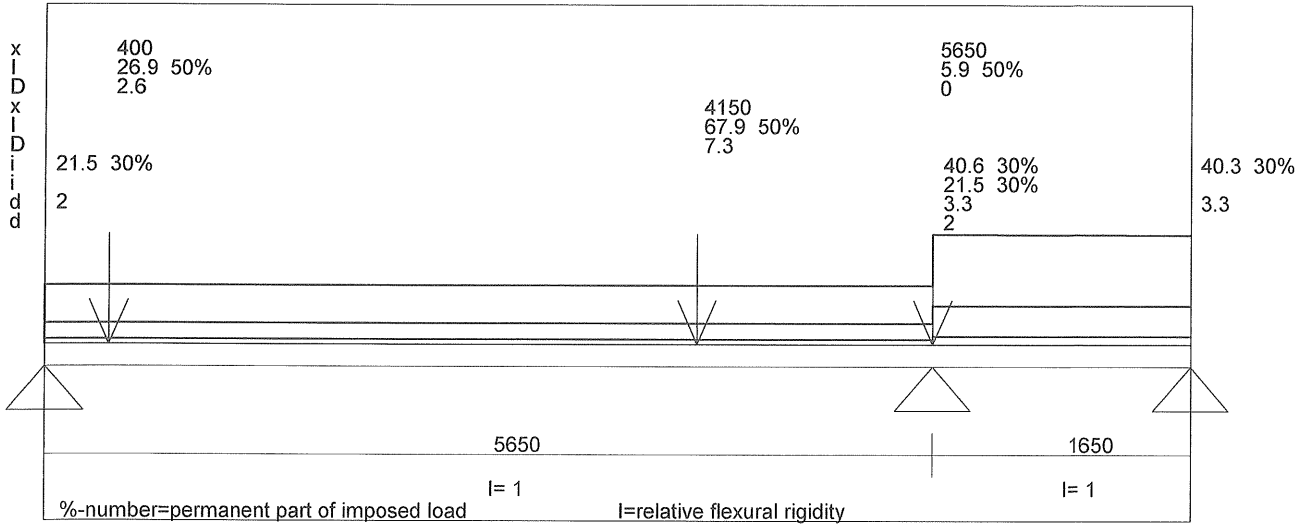
(4) LVL $1\frac{1}{2}'' \times 1\frac{7}{8}''$

Deflection due to unfactored load (Deflection limit L/360)

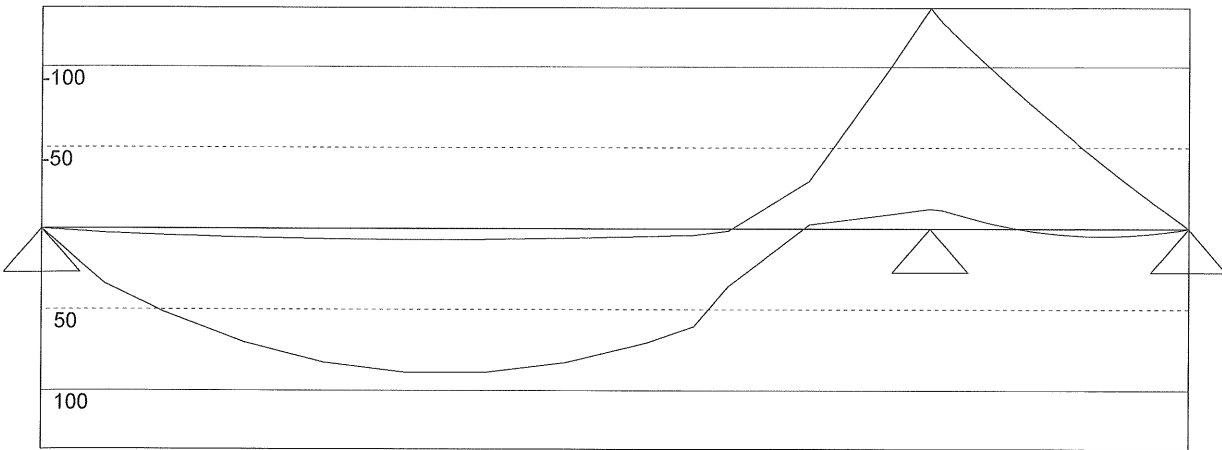
8,8 mm (92 %)

Structural Engineer:

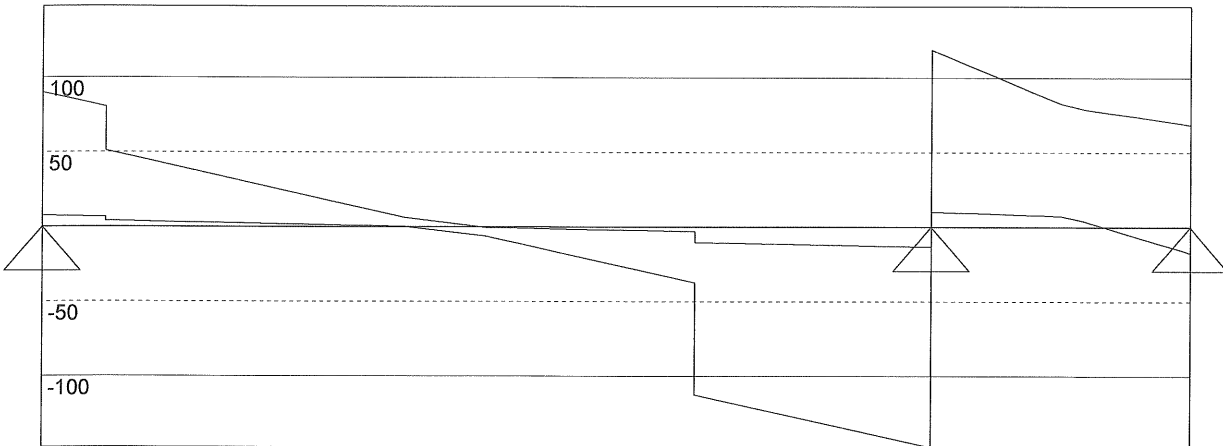
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Load factor of dead load= 1 Load factor of imposed load= 1

Load width 1 (m) (by which the loads has been multiplied during calculation)

Max/Min reactions of beam [kN]

89,999 272,494 17,303
7,447 23,510 -68,593

L40 380 x 515 B 2 Cf=0,94 Design method: Allowable stress design
Increasing factor of the allowable stress 1,02

Factored Moment/Moment capacity [kNm] 136,336 240,880 57 %

Factored shear force/shear capacity [kN] 147,826 153,335 96 %

(2) 6L 7 1/2" x 20 1/4"

Deflection due to unfactored load (Deflection limit L/360)

7,4 mm (47 %) 0,0 mm (0 %)