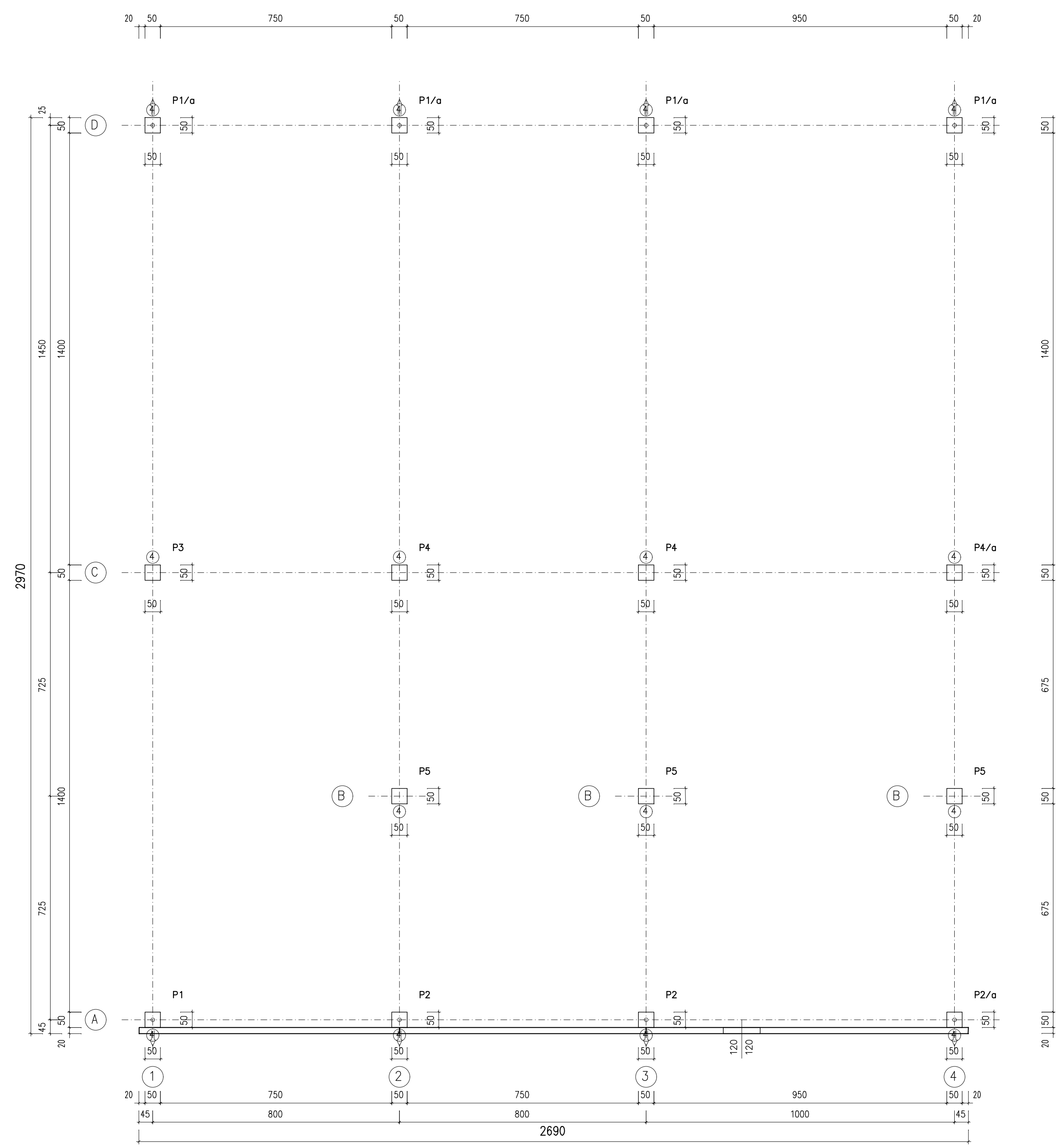
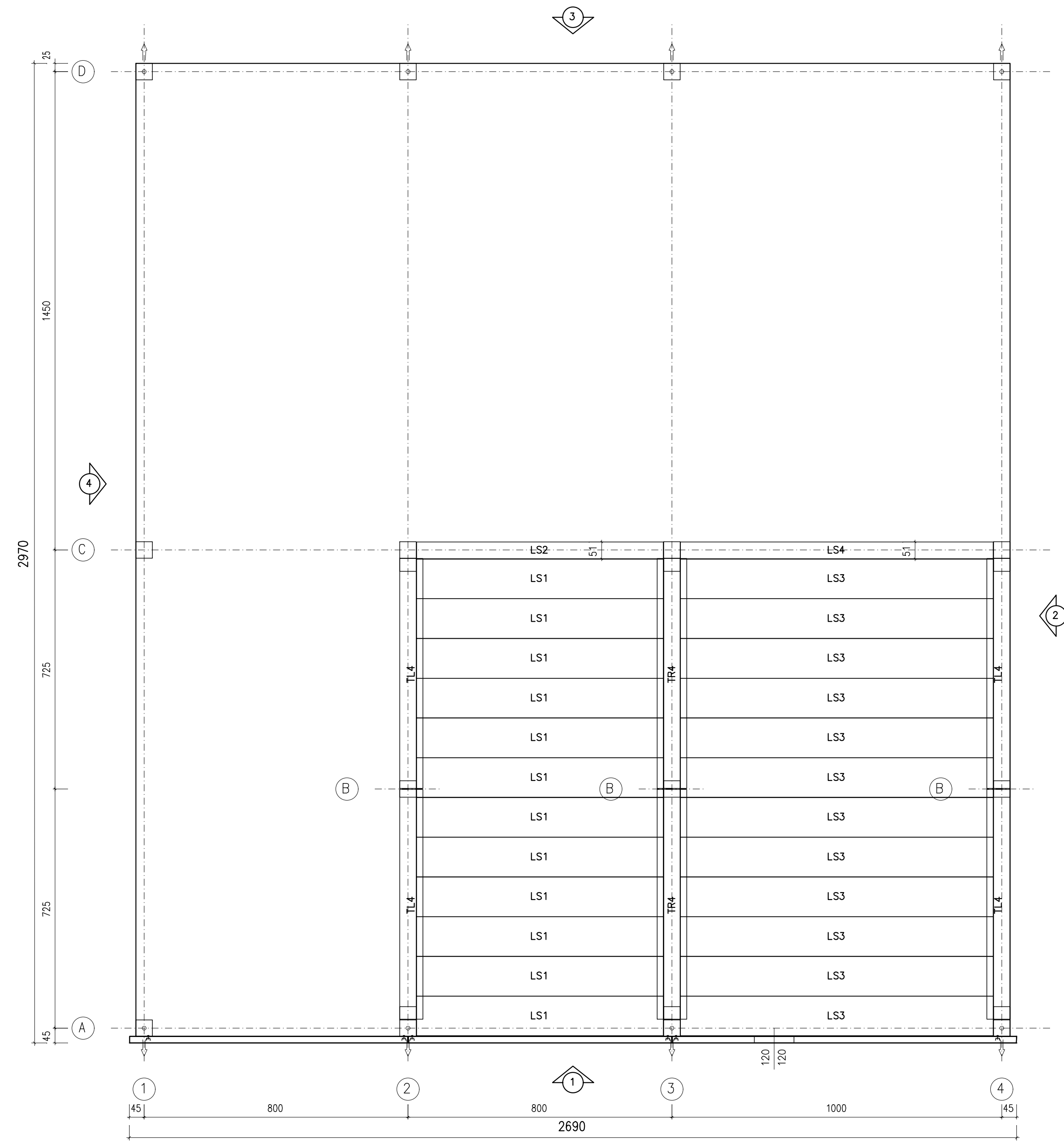


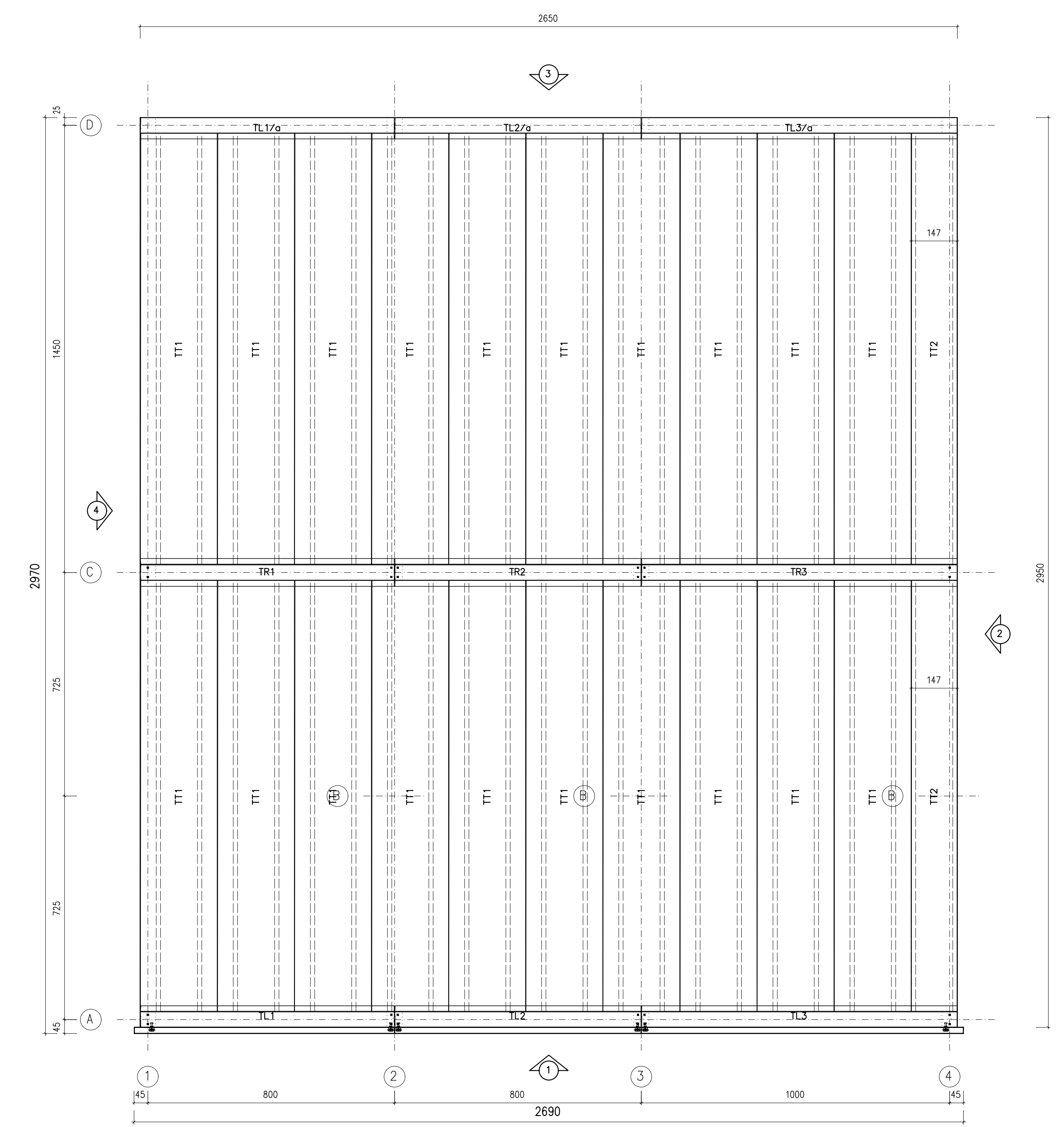
PLANT COLUMNS



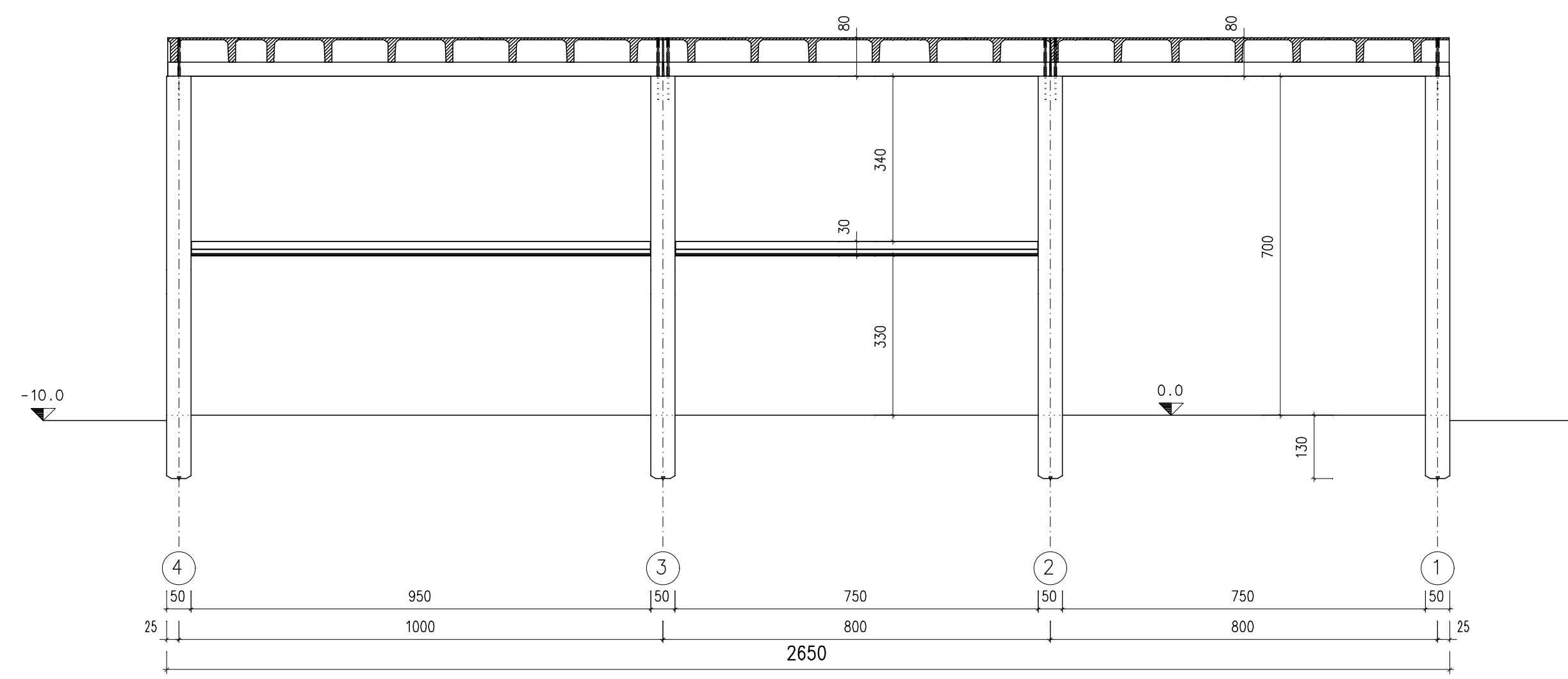
PLANT SLAB



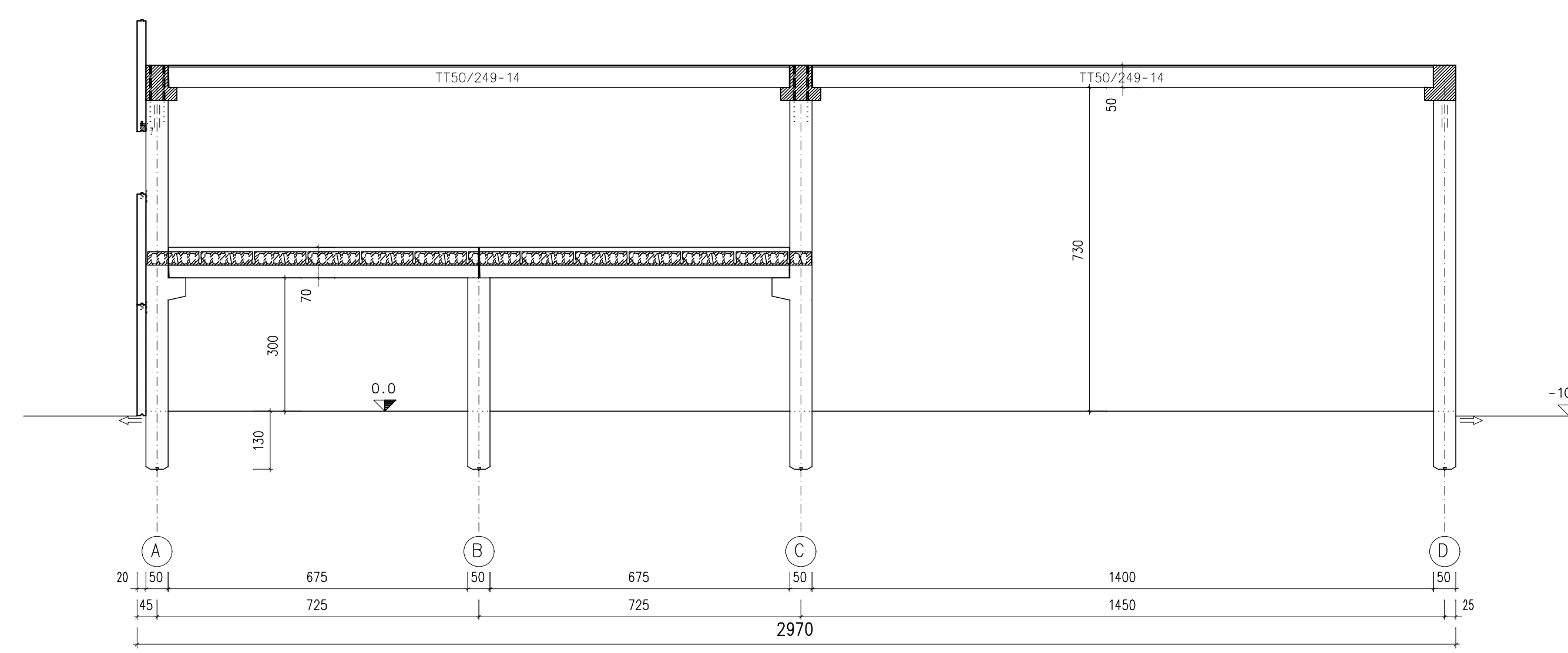
PLANT COVERAGE



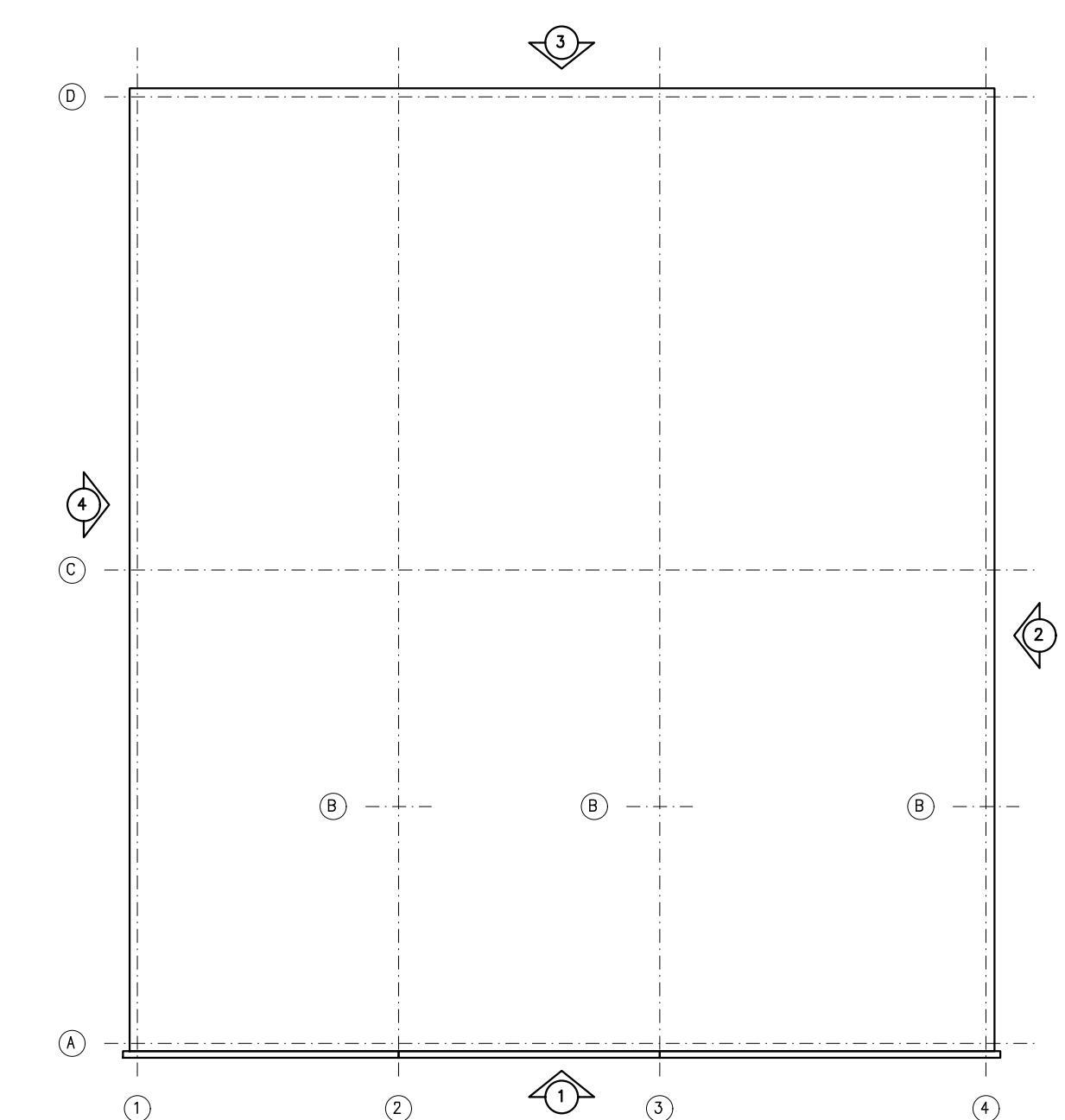
SECTION -X AXIS C-C



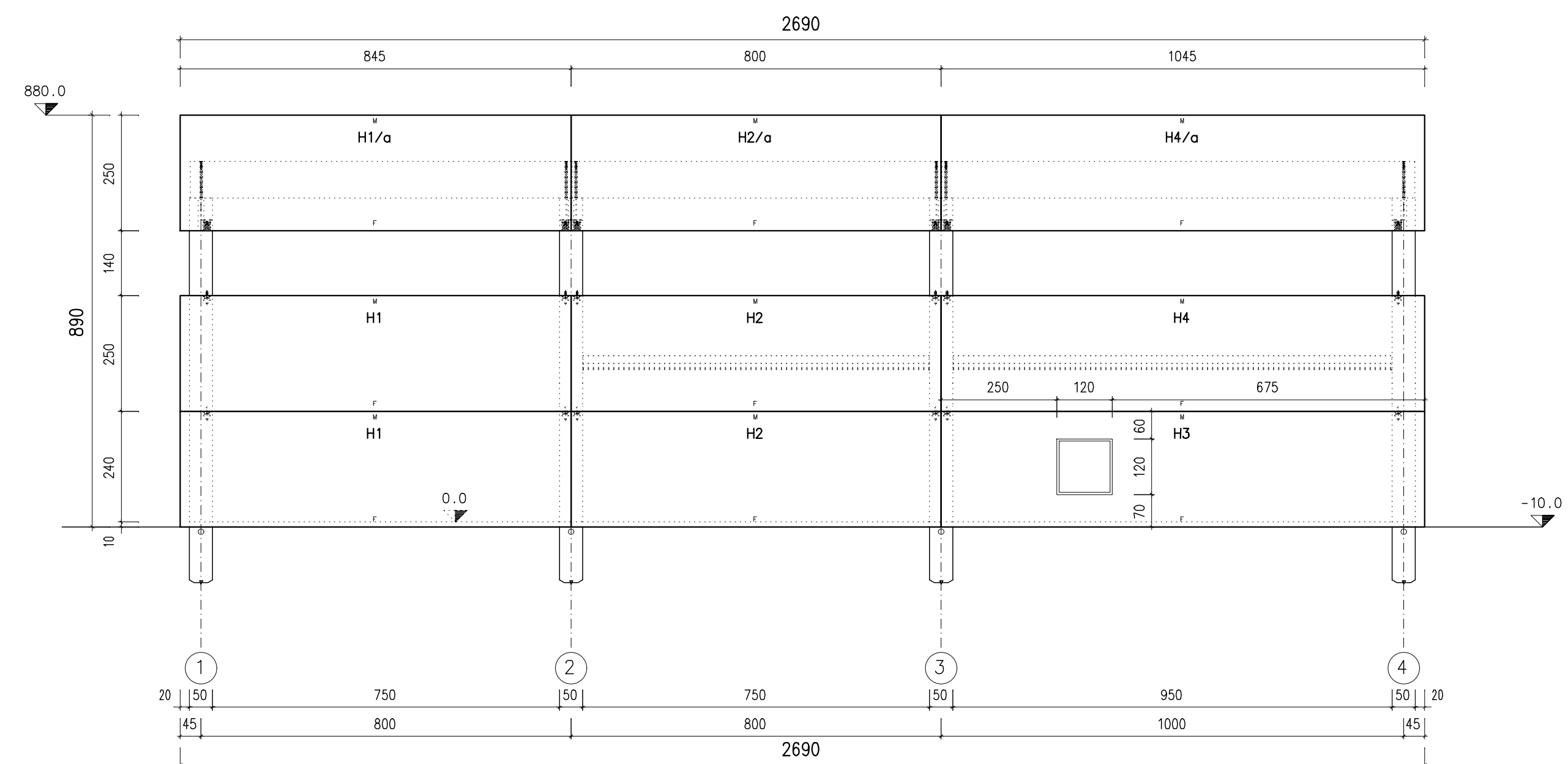
SECTION Y AXIS 3-3



PLANT REFERENCE



PROSPECT 1



N°	Date	Motivation
1		
2		
3		
4		

Buyer	DEMO	Scale	1:100
Location:		Sheet n°	1/2
Object	PLANS, SECTIONS and PROSPECTS		
N° Order	Code	Date	Technical
	EDM13002	09-04-2013	Check

Dear Company:  
**DEMO**  
Milan Area - Italy

**Nr. EDM.13.002.**

*Location, 11/04/2013*

**Subject:**

Order for the supply and install a Precast Concrete Structure, in accordance to the specifications listed below. The details are included in the following pages.

**Precast Concrete Structure: specifications**

Width (panel external line): m. 26.90  
Length (panel external line): m. 29.70  
Working height: m. 7.00  
Transverse spacing: m 7.50  
Longitudinal spacing: m. 14.50  
Covered area (External walls): sm. 800.00  
Interstorey area: sm. 252.00  
Total area: sm. 1052.00

.....  
Live overload - Roof: snow as per regulations.  
Fire resistance R = 90'.  
.....

Location of assembly: Milan Area - Italy  
Soil class: C  
Exposure class = XC3  
Climate zone = D  
.....

Offer validity: 30 days

## R20 STRUCTURE

### COLUMN

- **Column realized in vibrated reinforced concrete sizing from calculation - PVC downpipes inside and nozzles for the discharge of water when are necessities.**

1.	Column 50 X 50 H=8.30 m	n	5.00
2.	Column 50 X 50 H=8.30 m	n	3.00
3.	Column 50 X 50 H=8.30 m	n	1.00
4.	Column 50 X 50 H=8.30 m	n	3.00
5.	Column 50 X 50 H=4.30 m	n	3.00

### TR BEAM

- **TR beam prestressed, sizing from calculation, made with Rck 55 concrete, steel reinforcement realized with B450C and prestressed strands correctly placed.**

1.	Beam TR H=80, Length m 8.22, B=90 cm	n	1.00
2.	Beam TR H=80, Length m 7.97, B=90 cm	n	1.00
3.	Beam TR H=80, Length m 10.22, B=90 cm	n	1.00
4.	Beam TR H=70, Length m 6.97, B=90 cm	n	2.00

### L BEAMS

- **L beam prestressed, sizing from calculation, made with Rck 55 concrete, steel reinforcement realized with B450C and prestressed strands correctly placed.**

1.	Beam L H=80, Length m 8.22, H=80 cm, B=70 cm	n	2.00
2.	Beam L H=80, Length m 7.97, H=80 cm, B=70 cm	n	2.00
3.	Beam L H=80, Length m 10.22, H=80 cm, B=70 cm	n	2.00
4.	Beam L H=70, Length m 6.97, H=70 cm, B=70 cm	n	4.00

### CONCRETE SLAB

- **Slab H 30 cm - level intrados - self supporting - dry laid - load carrying capability ( dead + live load) = \_\_\_\_\_ kg/mq. Prestressed element with form of width 250 cm . Slab is reinforced with wirenetting at intrados, stirrups for shear action and steel**

1.	Slab H30, L=7.48 cm, B=120.00 cm, m2=9	n	12.00
2.	Slab H30, L=7.48 cm, B=51.00 cm, m2=4	n	1.00
3.	Slab H30, L=9.48 cm, B=120.00 cm, m2=11	n	12.00
4.	Slab H30, L=9.48 cm, B=51.00 cm, m2=5	n	1.00
5.	Slab TT 50, L=13.97 m	n	20.00

6. Slab TT 50, L=13.97 m n 2.00  
**IMPORTO STRUCTURE \$ 86,753.000**

**R40 PANELS**

**PANELS WALLING vertical and horizontal, insulated with polystyrene, with finishing as described below.**

- Wall panel modular, 2.50 m, horizontal and / or vertical in concrete with a thickness of 20 cm. The panels are finished, internally smooth vibrating screed and externally smooth the bottom formwork. mq 200.31

**IMPORTO PANELS \$ 13,583.000**

	<b>Summary</b>	<b>U.M.</b>	<b>Final Amount</b>
<b>R20</b>	<b>STRUCTURE</b>	\$.	<b>86,753.000</b>
<b>R40</b>	<b>PANELS</b>	\$.	<b>13,583.000</b>
	<b>Amount Total Offer</b>	<b>\$.</b>	<b>100,336.000</b>

**Payments:**

20% at the date of the signature of this offer;  
 35% at the start date of work;  
 20% at the end of work

Remaining amount by means of accepted bills with a maturity of 30/60/90 days. The expected date of completion of work to be issued at the end of the installation of the Precast Concrete Structure, before the release of the documents necessary to test the structure with direct remittance payment of TAX on receipt of bill.

Bank support \_\_\_\_\_

Bank code \_\_\_\_\_

Code	Description	U.M.	Qty	Price	Amount
<b>R20</b>	<b>STRUCTURE</b>				
<b>50.10.0050.</b>	Column realized in vibrated reinforced concrete sizing from calculation - PVC downpipes inside and nozzles for the discharge of water when are necessaries.				
50.10.0050. 1	Column 50 X 50 di H= 8.30 m with rain tube, A00	n	5.00	1,126.000	5,630.000
50.10.0050. 2	Column 50 X 50 di H= 8.30 m with rain tube n. 1 Bridge crane console , A00	n	3.00	1,182.000	3,546.000
50.10.0050. 3	Column 50 X 50 di H= 8.30 m , A00	n	1.00	1,114.000	1,114.000
50.10.0050. 4	Column 50 X 50 di H= 8.30 m n. 1 Bridge crane console , A00	n	3.00	1,169.000	3,507.000
50.10.0050. 5	Column 50 X 50 di H= 4.30 m , A00	n	3.00	577.000	1,731.000
<b>50.30.0010.</b>	TR beam prestressed, sizing from calculation, made with Rck 55 concrete, steel reinforcement realized with B450C and prestressed strands correctly placed.				
50.30.0010. 1	Beam TR H=80, Length m 8.22, B=90 cm	n	1.00	1,019.000	1,019.000
50.30.0010. 2	Beam TR H=80, Length m 7.97, B=90 cm	n	1.00	990.000	990.000
50.30.0010. 3	Beam TR H=80, Length m 10.22, B=90 cm	n	1.00	1,253.000	1,253.000
50.30.0010. 4	Beam TR H=70, Length m 6.97, B=90 cm	n	2.00	817.000	1,634.000
<b>50.32.0010.</b>	L beam prestressed, sizing from calculation, made with Rck 55 concrete, steel reinforcement realized with B450C and prestressed strands correctly placed.				
50.32.0010. 1	Beam L H=80, Length m 8.22, H=80 cm, B=70 cm	n	2.00	937.000	1,874.000
50.32.0010. 2	Beam L H=80, Length m 7.97, H=80 cm, B=70 cm	n	2.00	911.000	1,822.000
50.32.0010. 3	Beam L H=80, Length m 10.22, H=80 cm, B=70 cm	n	2.00	1,151.000	2,302.000
50.32.0010. 4	Beam L H=70, Length m 6.97, H=70 cm, B=70 cm	n	4.00	745.000	2,980.000
<b>50.45.0030.</b>	Slab H 30 cm - level intrados - self supporting - dry laid - load carrying capability ( dead + live load) = _____ kg/mq. Prestressed element with form of width 250 cm . Slab is reinforced with wirenetting at intrados, stirrups for shear action and steel				
50.45.0030. 1	Slab H30, L=7.48 cm, B=120.00 cm, m2=9	n	12.00	401.000	4,812.000
50.45.0030. 2	Slab H30, L=7.48 cm, B=51.00 cm, m2=4	n	1.00	225.000	225.000
50.45.0030. 3	Slab H30, L=9.48 cm, B=120.00 cm, m2=11	n	12.00	499.000	5,988.000
50.45.0030. 4	Slab H30, L=9.48 cm, B=51.00 cm, m2=5	n	1.00	275.000	275.000
50.45.2050. 1	Slab TT 50, L=13.97 m, Base 249 cm	n	20.00	1,445.000	28,900.000
50.45.2050. 2	Slab TT 50, L=13.97 m, Base 147 cm	n	2.00	1,016.000	2,032.000
60.01.0201. 1	Assembly n° 15 Columns	gg	1.00	2,144.000	2,144.000
60.01.0201. 2	Assembly n° 63 Concrete elements of building	gg	3.00	2,144.000	6,432.000
60.02.0001. 1	Transportation with SEMITRAILER_1 Load details: Maximum length:10.22 Total weight: 235.06 Total height: 0.80 of N. 2 Beam L TL3	n	1.00	263.000	263.000
60.02.0001. 2	Transportation with SEMITRAILER_1 Load details: Maximum length:10.22 Total weight: 227.39 Total height: 0.80 of N. 1 Beam TR TR3 of N. 1 Beam L TL1	n	1.00	263.000	263.000
60.02.0001. 3	Transportation with SEMITRAILER_1 Load details: Maximum length:8.22 Total weight: 201.39 Total height: 0.80 of N. 1 Beam L TL1 of N. 1 Beam TR TR1	n	1.00	263.000	263.000

Code	Description	U.M.	Qty	Price	Amount
60.02.0001.4	Transportation with SEMITRAILER_1 Load details: Maximum length:7.97 Total weight: 286.92 Total height: 0.80 of N. 1 Beam TR TR2 of N. 2 Beam L TL2	n	1.00	263.000	263.000
60.02.0001.5	Transportation with SEMITRAILER_1 Load details: Maximum length:6.97 Total weight: 285.77 Total height: 1.44 of N. 4 Beam L TL4	n	1.00	263.000	263.000
60.02.0001.6	Transportation with SEMITRAILER_1 Load details: Maximum length:6.97 Total weight: 163.79 Total height: 0.70 of N. 2 Beam TR TR4	n	1.00	263.000	263.000
60.02.0001.7	Transportation with SEMITRAILER_1 Load details: Maximum length:8.30 Total weight: 259.38 Total height: 0.50 of N. 5 Column P1	n	1.00	263.000	263.000
60.02.0001.8	Transportation with SEMITRAILER_1 Load details: Maximum length:8.30 Total weight: 267.78 Total height: 0.50 of N. 3 Column P2 of N. 1 Column P3 of N. 1 Column P4	n	1.00	263.000	263.000
60.02.0001.9	Transportation with SEMITRAILER_1 Load details: Maximum length:12.60 Total weight: 188.58 Total height: 0.50 of N. 2 Column P4 of N. 3 Column P5	n	1.00	263.000	263.000
60.02.0001.13	Transportation with SEMITRAILER_1 Load details: Maximum length:9.48 Total weight: 265.63 Total height: 2.10 of N. 7 Solaio LS3	n	1.00	263.000	263.000
60.02.0001.14	Transportation with SEMITRAILER_1 Load details: Maximum length:9.48 Total weight: 268.98 Total height: 2.10 of N. 5 Solaio LS3 of N. 1 Solaio LS4 of N. 2 Solaio LS1	n	1.00	263.000	263.000
60.02.0001.15	Transportation with SEMITRAILER_1 Load details: Maximum length:7.48 Total weight: 245.01 Total height: 2.10 of N. 8 Solaio LS1	n	1.00	263.000	263.000
60.02.0001.16	Transportation with SEMITRAILER_1 Load details: Maximum length:7.48 Total weight: 76.14 Total height: 0.90 of N. 2 Solaio LS1 of N. 1 Solaio LS2	n	1.00	263.000	263.000
60.02.0001.17	Transportation with BIL_ECC Load details: Maximum length:13.97 Total weight: 224.37 Total height: 1.04 of N. 2 SLAB TT TT1	n	10.00	284.000	2,840.000
60.02.0001.18	Transportation with BIL_ECC Load details: Maximum length:13.97 Total weight: 132.46 Total height: 1.04 of N. 2 SLAB TT TT2	n	1.00	284.000	284.000
	<b>Total</b>				<b>86,753.000</b>
<b>R40</b>	<b>PANELS</b>				
<b>50.80.0010.</b>	Wall panel modular, 2.50 m, horizontal and / or vertical in concrete with a thickness of 20 cm. The panels are finished, internally smooth vibrating screed and externally smooth the bottom formwork.				
50.80.0010.1	Wall Panel Horizontal dimensions 8.45 x 2.5 m, m2= 21.125 cm Heg. Tot.= 20 cm Internal finish smooth concrete Exterior finish smooth concrete	n	3.00	1,109.000	3,327.000

Code	Description	U.M.	Qty	Price	Amount
50.80.0010.2	Wall Panel Horizontal dimensions 8 x 2.5 m, m2= 20 cm Heg. Tot.= 20 cm Internal finish smooth concrete Exterior finish smooth concrete	n	3.00	1,073.000	3,219.000
50.80.0010.3	Wall Panel Horizontal dimensions 10.45 x 2.5 m, m2= 24.685 cm Heg. Tot.= 20 cm Internal finish smooth concrete Exterior finish smooth concrete with n° 1 Windows	n	1.00	1,430.000	1,430.000
50.80.0010.4	Wall Panel Horizontal dimensions 10.45 x 2.5 m, m2= 26.125 cm Heg. Tot.= 20 cm Internal finish smooth concrete Exterior finish smooth concrete	n	2.00	1,337.000	2,674.000
60.01.0401.1	Assembly n° 9 Walls panels	gg	1.00	2,144.000	2,144.000
60.02.0001.10	Transportation with SEMITRAILER_1 Load details: Maximum length:10.45 Total weight: 294.18 Total height: 2.50 of N. 1 Panel H3 of N. 2 Panel H4 of N. 1 Panel H1	n	1.00	263.000	263.000
60.02.0001.11	Transportation with SEMITRAILER_1 Load details: Maximum length:8.45 Total weight: 246.75 Total height: 2.50 of N. 2 Panel H1 of N. 2 Panel H2	n	1.00	263.000	263.000
60.02.0001.12	Transportation with SEMITRAILER_1 Load details: Maximum length:8.00 Total weight: 60.00 Total height: 2.50 of N. 1 Panel H2	n	1.00	263.000	263.000
	<b>Total</b>	<b>PANELS</b>			<b>13,583.000</b>
<b>TOTAL ESTIMATE</b>			<b>mc: 237.78</b>		<b>100,336.000</b>

Code	Description	U.M.	Qty	Unit Cost	Amount
<b>R20</b>	<b>STRUCTURE</b>				
<b>50.10.0050.</b>	Column realized in vibrated reinforced concrete sizing from calculation - PVC downpipes inside and nozzles for the discharge of water when are necessaries.				
50.10.0050. 1	Column 50 X 50 di H= 8.30 m with rain tube, A00	n	5.00	752.922	3,764.610
50.10.0050. 2	Column 50 X 50 di H= 8.30 m with rain tube n. 1 Bridge crane console , A00	n	3.00	790.854	2,372.562
50.10.0050. 3	Column 50 X 50 di H= 8.30 m , A00	n	1.00	744.965	744.965
50.10.0050. 4	Column 50 X 50 di H= 8.30 m n. 1 Bridge crane console , A00	n	3.00	781.788	2,345.364
50.10.0050. 5	Column 50 X 50 di H= 4.30 m , A00	n	3.00	385.911	1,157.733
<b>50.30.0010.</b>	TR beam prestressed, sizing from calculation, made with Rck 55 concrete, steel reinforcement realized with B450C and prestressed strands correctly placed.				
50.30.0010. 1	Beam TR H=80, Length m 8.22, B=90 cm	n	1.00	681.903	681.903
50.30.0010. 2	Beam TR H=80, Length m 7.97, B=90 cm	n	1.00	662.356	662.356
50.30.0010. 3	Beam TR H=80, Length m 10.22, B=90 cm	n	1.00	838.403	838.403
50.30.0010. 4	Beam TR H=70, Length m 6.97, B=90 cm	n	2.00	546.579	1,093.158
<b>50.32.0010.</b>	L beam prestressed, sizing from calculation, made with Rck 55 concrete, steel reinforcement realized with B450C and prestressed strands correctly placed.				
50.32.0010. 1	Beam L H=80, Length m 8.22, H=80 cm, B=70 cm	n	2.00	626.927	1,253.854
50.32.0010. 2	Beam L H=80, Length m 7.97, H=80 cm, B=70 cm	n	2.00	609.624	1,219.248
50.32.0010. 3	Beam L H=80, Length m 10.22, H=80 cm, B=70 cm	n	2.00	769.963	1,539.926
50.32.0010. 4	Beam L H=70, Length m 6.97, H=70 cm, B=70 cm	n	4.00	498.257	1,993.028
<b>50.45.0030.</b>	Slab H 30 cm - level intrados - self supporting - dry laid - load carrying capability ( dead + live load) = _____ kg/mq. Prestressed element with form of width 250 cm . Slab is reinforced with wirenetting at intrados, stirrups for shear action and steel				
50.45.0030. 1	Slab H30, L=7.48 cm, B=120.00 cm, m2=9	n	12.00	268.409	3,220.908
50.45.0030. 2	Slab H30, L=7.48 cm, B=51.00 cm, m2=4	n	1.00	150.663	150.663
50.45.0030. 3	Slab H30, L=9.48 cm, B=120.00 cm, m2=11	n	12.00	333.638	4,003.656
50.45.0030. 4	Slab H30, L=9.48 cm, B=51.00 cm, m2=5	n	1.00	184.262	184.262
50.45.2050. 1	Slab TT 50, L=13.97 m, Base 249 cm	n	20.00	966.396	19,327.920
50.45.2050. 2	Slab TT 50, L=13.97 m, Base 147 cm	n	2.00	679.355	1,358.710
60.01.0201. 1	Assembly n° 15 Columns	gg	1.00	1,750.000	1,750.000
60.01.0201. 2	Assembly n° 63 Concrete elements of building	gg	3.00	1,750.000	5,250.000



Code	Description	U.M.	Qty	Unit Cost	Amount
60.02.0001.1	Transportation with SEMITRAILER_1 Load details: Maximum length:10.22 Total weight: 235.06 Total height: 0.80 of N. 2 Beam L TL3	n	1.00	250.000	250.000
60.02.0001.2	Transportation with SEMITRAILER_1 Load details: Maximum length:10.22 Total weight: 227.39 Total height: 0.80 of N. 1 Beam TR TR3 of N. 1 Beam L TL1	n	1.00	250.000	250.000
60.02.0001.3	Transportation with SEMITRAILER_1 Load details: Maximum length:8.22 Total weight: 201.39 Total height: 0.80 of N. 1 Beam L TL1 of N. 1 Beam TR TR1	n	1.00	250.000	250.000
60.02.0001.4	Transportation with SEMITRAILER_1 Load details: Maximum length:7.97 Total weight: 286.92 Total height: 0.80 of N. 1 Beam TR TR2 of N. 2 Beam L TL2	n	1.00	250.000	250.000
60.02.0001.5	Transportation with SEMITRAILER_1 Load details: Maximum length:6.97 Total weight: 285.77 Total height: 1.44 of N. 4 Beam L TL4	n	1.00	250.000	250.000
60.02.0001.6	Transportation with SEMITRAILER_1 Load details: Maximum length:6.97 Total weight: 163.79 Total height: 0.70 of N. 2 Beam TR TR4	n	1.00	250.000	250.000
60.02.0001.7	Transportation with SEMITRAILER_1 Load details: Maximum length:8.30 Total weight: 259.38 Total height: 0.50 of N. 5 Column P1	n	1.00	250.000	250.000
60.02.0001.8	Transportation with SEMITRAILER_1 Load details: Maximum length:8.30 Total weight: 267.78 Total height: 0.50 of N. 3 Column P2 of N. 1 Column P3 of N. 1 Column P4	n	1.00	250.000	250.000
60.02.0001.9	Transportation with SEMITRAILER_1 Load details: Maximum length:12.60 Total weight: 188.58 Total height: 0.50 of N. 2 Column P4 of N. 3 Column P5	n	1.00	250.000	250.000
60.02.0001.13	Transportation with SEMITRAILER_1 Load details: Maximum length:9.48 Total weight: 265.63 Total height: 2.10 of N. 7 Solaio LS3	n	1.00	250.000	250.000
60.02.0001.14	Transportation with SEMITRAILER_1 Load details: Maximum length:9.48 Total weight: 268.98 Total height: 2.10 of N. 5 Solaio LS3 of N. 1 Solaio LS4 of N. 2 Solaio LS1	n	1.00	250.000	250.000
60.02.0001.15	Transportation with SEMITRAILER_1 Load details: Maximum length:7.48 Total weight: 245.01 Total height: 2.10 of N. 8 Solaio LS1	n	1.00	250.000	250.000

Code	Description	U.M.	Qty	Unit Cost	Amount
60.02.0001.16	Transportation with SEMITRAILER_1 Load details: Maximum length:7.48 Total weight: 76.14 Total height: 0.90 of N. 2 Solaio LS1 of N. 1 Solaio LS2	n	1.00	250.000	250.000
60.02.0001.17	Transportation with BIL_ECC Load details: Maximum length:13.97 Total weight: 224.37 Total height: 1.04 of N. 2 SLAB TT TT1	n	10.00	270.000	2,700.000
60.02.0001.18	Transportation with BIL_ECC Load details: Maximum length:13.97 Total weight: 132.46 Total height: 1.04 of N. 2 SLAB TT TT2	n	1.00	270.000	270.000
		<b>Total</b>	<b>STRUCTURE</b>		<b>61,133.229</b>
<b>R40</b>	<b>PANELS</b>				
<b>50.80.0010.</b>	Wall panel modular, 2.50 m, horizontal and / or vertical in concrete with a thickness of 20 cm. The panels are finished, internally smooth vibrating screed and externally smooth the bottom formwork.				
50.80.0010.1	Wall Panel Horizontal dimensions 8.45 x 2.5 m, m2= 21.125 cm Heg. Tot.= 20 cm Internal finish smooth concrete Exterior finish smooth concrete	n	3.00	741.553	2,224.659
50.80.0010.2	Wall Panel Horizontal dimensions 8 x 2.5 m, m2= 20 cm Heg. Tot.= 20 cm Internal finish smooth concrete Exterior finish smooth concrete	n	3.00	717.543	2,152.629
50.80.0010.3	Wall Panel Horizontal dimensions 10.45 x 2.5 m, m2= 24.685 cm Heg. Tot.= 20 cm Internal finish smooth concrete Exterior finish smooth concrete with n° 1 Windows	n	1.00	956.427	956.427
50.80.0010.4	Wall Panel Horizontal dimensions 10.45 x 2.5 m, m2= 26.125 cm Heg. Tot.= 20 cm Internal finish smooth concrete Exterior finish smooth concrete	n	2.00	894.522	1,789.044
60.01.0401.1	Assembly n° 9 Walls panels	gg	1.00	1,750.000	1,750.000
60.02.0001.10	Transportation with SEMITRAILER_1 Load details: Maximum length:10.45 Total weight: 294.18 Total height: 2.50 of N. 1 Panel H3 of N. 2 Panel H4 of N. 1 Panel H1	n	1.00	250.000	250.000
60.02.0001.11	Transportation with SEMITRAILER_1 Load details: Maximum length:8.45 Total weight: 246.75 Total height: 2.50 of N. 2 Panel H1 of N. 2 Panel H2	n	1.00	250.000	250.000

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Code	Description	U.M.	Qty	Unit Cost	Amount
60.02.0001.12	Transportation with SEMITRAILER_1 Load details: Maximum length:8.00 Total weight: 60.00 Total height: 2.50 of N. 1 Panel H2	n	1.00	250.000	250.000
		<b>Total</b>	<b>PANELS</b>		<b>9,622.759</b>
				<b>TOTAL ESTIMATE</b>	<b>70,755.988</b>

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**Group: 50.00.0000. PRECAST ELEMENTS**

Code	Description	U.M.	Qty	Unit Cost	Amount
<b>50.00.0000.</b>	<b>PRECAST ELEMENTS</b>				
<b>50.10.0000.</b>	<b>COLUMN</b>				
<b>50.10.0050.</b>	Column realized in vibrated reinforced concrete sizing from calculation - PVC downpipes inside and nozzles for the discharge of water when are necessaries.				
50.10.0050. 1	Column 50 X 50 di H= 8.30 m with rain tube, A00	n	5.00	752.922	3,764.610
50.10.0050. 2	Column 50 X 50 di H= 8.30 m with rain tube n. 1 Bridge crane console , A00	n	3.00	790.854	2,372.562
50.10.0050. 3	Column 50 X 50 di H= 8.30 m , A00	n	1.00	744.965	744.965
50.10.0050. 4	Column 50 X 50 di H= 8.30 m n. 1 Bridge crane console , A00	n	3.00	781.788	2,345.364
50.10.0050. 5	Column 50 X 50 di H= 4.30 m , A00	n	3.00	385.911	1,157.733
	<b>Total</b>				<b>10,385.234</b>
<b>50.30.0000.</b>	<b>TR BEAM</b>				
<b>50.30.0010.</b>	TR beam prestressed, sizing from calculation, made with Rck 55 concrete, steel reinforcement realized with B450C and prestressed strands correctly placed.				
50.30.0010. 1	Beam TR H=80, Length m 8.22, B=90 cm	n	1.00	681.903	681.903
50.30.0010. 2	Beam TR H=80, Length m 7.97, B=90 cm	n	1.00	662.356	662.356
50.30.0010. 3	Beam TR H=80, Length m 10.22, B=90 cm	n	1.00	838.403	838.403
50.30.0010. 4	Beam TR H=70, Length m 6.97, B=90 cm	n	2.00	546.579	1,093.158
	<b>Total</b>				<b>3,275.820</b>
<b>50.32.0000.</b>	<b>L BEAMS</b>				
<b>50.32.0010.</b>	L beam prestressed, sizing from calculation, made with Rck 55 concrete, steel reinforcement realized with B450C and prestressed strands correctly placed.				
50.32.0010. 1	Beam L H=80, Length m 8.22, H=80 cm, B=70 cm	n	2.00	626.927	1,253.854
50.32.0010. 2	Beam L H=80, Length m 7.97, H=80 cm, B=70 cm	n	2.00	609.624	1,219.248
50.32.0010. 3	Beam L H=80, Length m 10.22, H=80 cm, B=70 cm	n	2.00	769.963	1,539.926
50.32.0010. 4	Beam L H=70, Length m 6.97, H=70 cm, B=70 cm	n	4.00	498.257	1,993.028
	<b>Total</b>				<b>6,006.056</b>
<b>50.45.0000.</b>	<b>CONCRETE SLAB</b>				
<b>50.45.0030.</b>	Slab H 30 cm - level intrados - self supporting - dry laid - load carrying capability ( dead + live load) = _____ kg/mq. Prestressed element with form of width 250 cm . Slab is reinforced with wirenetting at intrados, stirrups for shear action and steel				
50.45.0030. 1	Slab H30, L=7.48 cm, B=120.00 cm, m2=9	n	12.00	268.409	3,220.908
50.45.0030. 2	Slab H30, L=7.48 cm, B=51.00 cm, m2=4	n	1.00	150.663	150.663
50.45.0030. 3	Slab H30, L=9.48 cm, B=120.00 cm, m2=11	n	12.00	333.638	4,003.656
50.45.0030. 4	Slab H30, L=9.48 cm, B=51.00 cm, m2=5	n	1.00	184.262	184.262
50.45.2050. 1	Slab TT 50, L=13.97 m, Base 249 cm	n	20.00	966.396	19,327.920
50.45.2050. 2	Slab TT 50, L=13.97 m, Base 147 cm	n	2.00	679.355	1,358.710
	<b>Total</b>				<b>28,246.119</b>

**Group: 50.00.0000. PRECAST ELEMENTS**

Code	Description	U.M.	Qty	Unit Cost	Amount
<b>50.80.0000.</b>	<b>PANELS WALLING vertical and horizontal, insulated with polystyrene, with finishing as described below.</b>				
<b>50.80.0010.</b>	Wall panel modular, 2.50 m, horizontal and / or vertical in concrete with a thickness of 20 cm. The panels are finished, internally smooth vibrating screed and externally smooth the bottom formwork.				
50.80.0010.1	Wall Panel Horizontal dimensions 8.45 x 2.5 m, m2= 21.125 cm Heg. Tot.= 20 cm Internal finish smooth concrete Exterior finish smooth concrete	n	3.00	741.553	2,224.659
50.80.0010.2	Wall Panel Horizontal dimensions 8 x 2.5 m, m2= 20 cm Heg. Tot.= 20 cm Internal finish smooth concrete Exterior finish smooth concrete	n	3.00	717.543	2,152.629
50.80.0010.3	Wall Panel Horizontal dimensions 10.45 x 2.5 m, m2= 24.685 cm Heg. Tot.= 20 cm Internal finish smooth concrete Exterior finish smooth concrete with n° 1 Windows	n	1.00	956.427	956.427
50.80.0010.4	Wall Panel Horizontal dimensions 10.45 x 2.5 m, m2= 26.125 cm Heg. Tot.= 20 cm Internal finish smooth concrete Exterior finish smooth concrete	n	2.00	894.522	1,789.044
	<b>Total</b>				<b>7,122.759</b>
	<b>Total</b>			<b>PRECAST ELEMENTS</b>	<b>55,035.988</b>
<b>60.00.0000.</b>	<b>TRANSPORTATION AND ASSEMBLY</b>				
<b>60.01.0000.</b>	<b>ASSEMBLY (FOR ELEMENT)</b>				
60.01.0201.1	Assembly n° 15 Columns	gg	1.00	1,750.000	1,750.000
60.01.0201.2	Assembly n° 63 Concrete elements of building	gg	3.00	1,750.000	5,250.000
60.01.0401.1	Assembly n° 9 Walls panels	gg	1.00	1,750.000	1,750.000
	<b>Total</b>				<b>8,750.000</b>
<b>60.02.0000.</b>	<b>TRANSPORTATION</b>				
60.02.0001.1	Transportation with SEMITRAILER_1 Load details: Maximum length:10.22 Total weight: 235.06 Total height: 0.80 of N. 2 Beam L TL3	n	1.00	250.000	250.000
60.02.0001.2	Transportation with SEMITRAILER_1 Load details: Maximum length:10.22 Total weight: 227.39 Total height: 0.80 of N. 1 Beam TR TR3 of N. 1 Beam L TL1	n	1.00	250.000	250.000
60.02.0001.3	Transportation with SEMITRAILER_1 Load details: Maximum length:8.22 Total weight: 201.39 Total height: 0.80 of N. 1 Beam L TL1 of N. 1 Beam TR TR1	n	1.00	250.000	250.000
60.02.0001.4	Transportation with SEMITRAILER_1 Load details: Maximum length:7.97 Total weight: 286.92 Total height: 0.80 of N. 1 Beam TR TR2 of N. 2 Beam L TL2	n	1.00	250.000	250.000

Group: 60.00.0000. TRANSPORTATION AND ASSEMBLY

Code	Description	U.M.	Qty	Unit Cost	Amount
60.02.0001.5	Transportation with SEMITRAILER_1 Load details: Maximum length:6.97 Total weight: 285.77 Total height: 1.44 of N. 4 Beam L TL4	n	1.00	250.000	250.000
60.02.0001.6	Transportation with SEMITRAILER_1 Load details: Maximum length:6.97 Total weight: 163.79 Total height: 0.70 of N. 2 Beam TR TR4	n	1.00	250.000	250.000
60.02.0001.7	Transportation with SEMITRAILER_1 Load details: Maximum length:8.30 Total weight: 259.38 Total height: 0.50 of N. 5 Column P1	n	1.00	250.000	250.000
60.02.0001.8	Transportation with SEMITRAILER_1 Load details: Maximum length:8.30 Total weight: 267.78 Total height: 0.50 of N. 3 Column P2 of N. 1 Column P3 of N. 1 Column P4	n	1.00	250.000	250.000
60.02.0001.9	Transportation with SEMITRAILER_1 Load details: Maximum length:12.60 Total weight: 188.58 Total height: 0.50 of N. 2 Column P4 of N. 3 Column P5	n	1.00	250.000	250.000
60.02.0001.10	Transportation with SEMITRAILER_1 Load details: Maximum length:10.45 Total weight: 294.18 Total height: 2.50 of N. 1 Panel H3 of N. 2 Panel H4 of N. 1 Panel H1	n	1.00	250.000	250.000
60.02.0001.11	Transportation with SEMITRAILER_1 Load details: Maximum length:8.45 Total weight: 246.75 Total height: 2.50 of N. 2 Panel H1 of N. 2 Panel H2	n	1.00	250.000	250.000
60.02.0001.12	Transportation with SEMITRAILER_1 Load details: Maximum length:8.00 Total weight: 60.00 Total height: 2.50 of N. 1 Panel H2	n	1.00	250.000	250.000
60.02.0001.13	Transportation with SEMITRAILER_1 Load details: Maximum length:9.48 Total weight: 265.63 Total height: 2.10 of N. 7 Solaio LS3	n	1.00	250.000	250.000
60.02.0001.14	Transportation with SEMITRAILER_1 Load details: Maximum length:9.48 Total weight: 268.98 Total height: 2.10 of N. 5 Solaio LS3 of N. 1 Solaio LS4 of N. 2 Solaio LS1	n	1.00	250.000	250.000
60.02.0001.15	Transportation with SEMITRAILER_1 Load details: Maximum length:7.48 Total weight: 245.01 Total height: 2.10 of N. 8 Solaio LS1	n	1.00	250.000	250.000
60.02.0001.16	Transportation with SEMITRAILER_1 Load details: Maximum length:7.48 Total weight: 76.14 Total height: 0.90 of N. 2 Solaio LS1 of N. 1 Solaio LS2	n	1.00	250.000	250.000
60.02.0001.17	Transportation with BIL_ECC Load details: Maximum length:13.97 Total weight: 224.37 Total height: 1.04 of N. 2 SLAB TT TT1	n	10.00	270.000	2,700.000
60.02.0001.18	Transportation with BIL_ECC Load details: Maximum length:13.97 Total weight: 132.46 Total height: 1.04 of N. 2 SLAB TT TT2	n	1.00	270.000	270.000
<b>Total</b>					<b>6,970.000</b>
<b>Total</b>				<b>TRANSPORTATION</b>	<b>AND</b>
				<b>ASSEMBLY</b>	<b>15,720.000</b>

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Group: 60.00.0000. TRANSPORTATION AND ASSEMBLY

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Code	Description	U.M.	Qty	Unit Cost	Amount
				TOTAL ESTIMATE	70,755.988

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Group: 50.00.0000. PRECAST ELEMENTS

Code	Description	U.M.	Qty	Cost	Amount	%
50.10.0050. 1	Column 50 X 50 di H= 8.30 m with rain tube, A00	n		Unit Cost: 752.922		10-04-2013
20.01.2050.	Clis 10 - Columns - Rck 500	mc	2.05	110.929	227.404	30.20
01.04.0002.	Steel Feb44K	kg	610.05	0.650	396.533	52.67
02.01.1125.	Tube - PVC - Diam 125 mm - L =300 cm - Ivory	nr	2.77	3.630	10.055	1.34
02.01.0500.	PVC bend 90÷ - Diam 125 mm - Red	nr	1.00	1.230	1.230	0.16
11.09.0101.	Rough plate for Torre type S - 4 t - BSItalia	nr	2.00	1.233	2.466	0.33
01.08.0001.	Form release agents	li	0.39	1.100	0.429	0.06
02.06.0001.	Generical spacers	nr	49.80	0.025	1.245	0.17
20.80.0120.	Manpower - Casting and storage	or	5.81	17.000	98.770	13.12
20.80.0150.	Manpower - Storage	or	0.87	17.000	14.790	1.96
				<b>Total Cost</b>	<b>752.922</b>	<b>100.00</b>



Group: 50.00.0000. PRECAST ELEMENTS

Code	Description	U.M.	Qty	Cost	Amount	%
50.10.0050. 2	Column 50 X 50 di H= 8.30 m with rain tube n. 1 Bridge crane console , A00	n		Unit Cost: 790.854		10-04-2013
20.01.2050.	Clis 10 - Columns - Rck 500	mc	2.14	110.929	237.388	30.02
01.04.0002.	Steel Feb44K	kg	652.05	0.650	423.833	53.59
02.01.1125.	Tube - PVC - Diam 125 mm - L =300 cm - Ivory	nr	2.77	3.630	10.055	1.27
02.01.0500.	PVC bend 90÷ - Diam 125 mm - Red	nr	1.00	1.230	1.230	0.16
11.09.0102.	Rough plate for Torre type S - 5 t - BSItalia	nr	2.00	1.557	3.114	0.39
01.08.0001.	Form release agents	li	0.39	1.100	0.429	0.05
02.06.0001.	Generical spacers	nr	49.80	0.025	1.245	0.16
20.80.0120.	Manpower - Casting and storage	or	5.81	17.000	98.770	12.49
20.80.0150.	Manpower - Storage	or	0.87	17.000	14.790	1.87
				<b>Total Cost</b>	<b>790.854</b>	<b>100.00</b>

Group: 50.00.0000. PRECAST ELEMENTS

Code	Description	U.M.	Qty	Cost	Amount	%
50.10.0050. 3	Column 50 X 50 di H= 8.30 m , A00	n		Unit Cost: 744.965		10-04-2013
20.01.2050.	Clis 10 - Columns - Rck 500	mc	2.08	110.929	230.732	30.97
01.04.0002.	Steel Feb44K	kg	610.05	0.650	396.533	53.23
11.09.0101.	Rough plate for Torre type S - 4 t - BSItalia	nr	2.00	1.233	2.466	0.33
01.08.0001.	Form release agents	li	0.39	1.100	0.429	0.06
02.06.0001.	Generical spacers	nr	49.80	0.025	1.245	0.17
20.80.0120.	Manpower - Casting and storage	or	5.81	17.000	98.770	13.26
20.80.0150.	Manpower - Storage	or	0.87	17.000	14.790	1.99
				<b>Total Cost</b>	<b>744.965</b>	<b>100.00</b>

Group: 50.00.0000. PRECAST ELEMENTS

Code	Description	U.M.	Qty	Cost	Amount	%
50.10.0050. 4	Column 50 X 50 di H= 8.30 m n. 1 Bridge crane console , A00	n		Unit Cost: 781.788		10-04-2013
20.01.2050.	Clis 10 - Columns - Rck 500	mc	2.16	110.929	239.607	30.65
01.04.0002.	Steel Feb44K	kg	652.05	0.650	423.833	54.21
11.09.0102.	Rough plate for Torre type S - 5 t - BSItalia	nr	2.00	1.557	3.114	0.40
01.08.0001.	Form release agents	li	0.39	1.100	0.429	0.05
02.06.0001.	Generical spacers	nr	49.80	0.025	1.245	0.16
20.80.0120.	Manpower - Casting and storage	or	5.81	17.000	98.770	12.63
20.80.0150.	Manpower - Storage	or	0.87	17.000	14.790	1.89
				<b>Total Cost</b>	<b>781.788</b>	<b>100.00</b>

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**Group: 50.00.0000. PRECAST ELEMENTS**

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<b>Code</b>	<b>Description</b>	<b>U.M.</b>	<b>Qty</b>	<b>Cost</b>	<b>Amount</b>	<b>%</b>
50.10.0050. 5	Column 50 X 50 di H= 4.30 m , A00	n		Unit Cost: 385.911		10-04-2013
20.01.2050.	Clis 10 - Columns - Rck 500	mc	1.07	110.929	118.694	30.76
01.04.0002.	Steel Feb44K	kg	316.05	0.650	205.433	53.23
11.09.0100.	Rough plate for Torre type S - 3 t - BSItalia	nr	2.00	1.044	2.088	0.54
01.08.0001.	Form release agents	li	0.21	1.100	0.231	0.06
02.06.0001.	Generical spacers	nr	25.80	0.025	0.645	0.17
20.80.0120.	Manpower - Casting and storage	or	3.01	17.000	51.170	13.26
20.80.0150.	Manpower - Storage	or	0.45	17.000	7.650	1.98
				<b>Total Cost</b>	<b>385.911</b>	<b>100.00</b>

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**Group: 50.00.0000. PRECAST ELEMENTS**

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<b>Code</b>	<b>Description</b>	<b>U.M.</b>	<b>Qty</b>	<b>Cost</b>	<b>Amount</b>	<b>%</b>
50.30.0010. 1	Beam TR H=80, Length m 8.22, B=90 cm	n		<b>Unit Cost: 681.903</b>		<b>10-04-2013</b>
20.01.3055.	Clis 1 - Slabs, beams and double tee slabs - Rck 550	mc	4.27	112.196	479.077	70.26
01.04.0002.	Steel Feb44K	kg	107.67	0.650	69.986	10.26
11.09.0105.	Rough plate for Torre type S - 10 t - BSItalia	nr	2.00	2.500	5.000	0.73
02.06.0001.	Generical spacers	nr	16.00	0.025	0.400	0.06
01.08.0001.	Form release agents	li	0.10	1.100	0.110	0.02
20.80.0120.	Manpower - Casting and storage	or	6.99	17.000	118.830	17.43
20.80.0150.	Manpower - Storage	or	0.50	17.000	8.500	1.25
				<b>Total Cost</b>	<b>681.903</b>	<b>100.00</b>

Group: 50.00.0000. PRECAST ELEMENTS

Code	Description	U.M.	Qty	Cost	Amount	%
50.30.0010. 2	Beam TR H=80, Length m 7.97, B=90 cm	n		Unit Cost: 662.356		10-04-2013
20.01.3055.	Clis 1 - Slabs, beams and double tee slabs - Rck 550	mc	4.14	112.196	464.491	70.13
01.04.0002.	Steel Feb44K	kg	105.83	0.650	68.790	10.39
11.09.0105.	Rough plate for Torre type S - 10 t - BSItalia	nr	2.00	2.500	5.000	0.75
02.06.0001.	Generical spacers	nr	15.00	0.025	0.375	0.06
01.08.0001.	Form release agents	li	0.10	1.100	0.110	0.02
20.80.0120.	Manpower - Casting and storage	or	6.77	17.000	115.090	17.38
20.80.0150.	Manpower - Storage	or	0.50	17.000	8.500	1.28
				<b>Total Cost</b>	<b>662.356</b>	<b>100.00</b>

Group: 50.00.0000. PRECAST ELEMENTS

Code	Description	U.M.	Qty	Cost	Amount	%
50.30.0010.3	Beam TR H=80, Length m 10.22, B=90 cm	n		Unit Cost: 838.403		10-04-2013
20.01.3055.	Clis 1 - Slabs, beams and double tee slabs - Rck 550	mc	5.31	112.196	595.761	71.06
01.04.0002.	Steel Feb44K	kg	122.37	0.650	79.541	9.49
11.09.0102.	Rough plate for Torre type S - 5 t - BSItalia	nr	4.00	1.557	6.228	0.74
02.06.0001.	Generical spacers	nr	20.00	0.025	0.500	0.06
01.08.0001.	Form release agents	li	0.13	1.100	0.143	0.02
20.80.0120.	Manpower - Casting and storage	or	8.69	17.000	147.730	17.62
20.80.0150.	Manpower - Storage	or	0.50	17.000	8.500	1.01
				<b>Total Cost</b>	<b>838.403</b>	<b>100.00</b>

Group: 50.00.0000. PRECAST ELEMENTS

50.30.0010. 4 Beam TR H=70, Length m 6.97, B=90 cm		n	Unit Cost: 546.579		10-04-2013	
Code	Description	U.M.	Qty	Cost	Amount	%
20.01.3055.	Clis 1 - Slabs, beams and double tee slabs - Rck 550	mc	3.28	112.196	368.003	67.33
01.04.0002.	Steel Feb44K	kg	98.48	0.650	64.012	11.71
11.09.0105.	Rough plate for Torre type S - 10 t - BSItalia	nr	2.00	2.500	5.000	0.91
02.06.0001.	Generical spacers	nr	13.00	0.025	0.325	0.06
01.08.0001.	Form release agents	li	0.09	1.100	0.099	0.02
20.80.0120.	Manpower - Casting and storage	or	5.92	17.000	100.640	18.41
20.80.0150.	Manpower - Storage	or	0.50	17.000	8.500	1.56
				<b>Total Cost</b>	<b>546.579</b>	<b>100.00</b>



Group: 50.00.0000. PRECAST ELEMENTS

Code	Description	U.M.	Qty	Cost	Amount	%
50.32.0010.1	Beam L H=80, Length m 8.22, H=80 cm, B=70 cm	n		Unit Cost: 626.927		10-04-2013
20.01.3055.	Clis 1 - Slabs, beams and double tee slabs - Rck 550	mc	3.78	112.196	424.101	67.65
01.04.0002.	Steel Feb44K	kg	107.67	0.650	69.986	11.16
11.09.0105.	Rough plate for Torre type S - 10 t - BSItalia	nr	2.00	2.500	5.000	0.80
02.06.0001.	Generical spacers	nr	16.00	0.025	0.400	0.06
01.08.0001.	Form release agents	li	0.10	1.100	0.110	0.02
20.80.0120.	Manpower - Casting and storage	or	6.99	17.000	118.830	18.95
20.80.0150.	Manpower - Storage	or	0.50	17.000	8.500	1.36
				<b>Total Cost</b>	<b>626.927</b>	<b>100.00</b>

Group: 50.00.0000. PRECAST ELEMENTS

Code	Description	U.M.	Qty	Cost	Amount	%
50.32.0010.2	Beam L H=80, Length m 7.97, H=80 cm, B=70 cm	n		Unit Cost: 609.624		10-04-2013
20.01.3055.	Clis 1 - Slabs, beams and double tee slabs - Rck 550	mc	3.67	112.196	411.759	67.54
01.04.0002.	Steel Feb44K	kg	105.83	0.650	68.790	11.28
11.09.0105.	Rough plate for Torre type S - 10 t - BSItalia	nr	2.00	2.500	5.000	0.82
02.06.0001.	Generical spacers	nr	15.00	0.025	0.375	0.06
01.08.0001.	Form release agents	li	0.10	1.100	0.110	0.02
20.80.0120.	Manpower - Casting and storage	or	6.77	17.000	115.090	18.88
20.80.0150.	Manpower - Storage	or	0.50	17.000	8.500	1.39
				<b>Total Cost</b>	<b>609.624</b>	<b>100.00</b>

Group: 50.00.0000. PRECAST ELEMENTS

Code	Description	U.M.	Qty	Cost	Amount	%
50.32.0010.3	Beam L H=80, Length m 10.22, H=80 cm, B=70 cm	n		Unit Cost: 769.963		10-04-2013
20.01.3055.	Cls 1 - Slabs, beams and double tee slabs - Rck 550	mc	4.70	112.196	527.321	68.49
01.04.0002.	Steel Feb44K	kg	122.37	0.650	79.541	10.33
11.09.0102.	Rough plate for Torre type S - 5 t - BSItalia	nr	4.00	1.557	6.228	0.81
02.06.0001.	Generical spacers	nr	20.00	0.025	0.500	0.06
01.08.0001.	Form release agents	li	0.13	1.100	0.143	0.02
20.80.0120.	Manpower - Casting and storage	or	8.69	17.000	147.730	19.19
20.80.0150.	Manpower - Storage	or	0.50	17.000	8.500	1.10
				<b>Total Cost</b>	<b>769.963</b>	<b>100.00</b>

Group: 50.00.0000. PRECAST ELEMENTS

Code	Description	U.M.	Qty	Cost	Amount	%
50.32.0010. 4	Beam L H=70, Length m 6.97, H=70 cm, B=70 cm	n		Unit Cost: 498.257		10-04-2013
20.01.3055.	Clis 1 - Slabs, beams and double tee slabs - Rck 550	mc	2.86	112.196	320.881	64.40
01.04.0002.	Steel Feb44K	kg	98.48	0.650	64.012	12.85
11.09.0103.	Rough plate for Torre type S - 6 t - BSItalia	nr	2.00	1.900	3.800	0.76
02.06.0001.	Generical spacers	nr	13.00	0.025	0.325	0.07
01.08.0001.	Form release agents	li	0.09	1.100	0.099	0.02
20.80.0120.	Manpower - Casting and storage	or	5.92	17.000	100.640	20.20
20.80.0150.	Manpower - Storage	or	0.50	17.000	8.500	1.71
				<b>Total Cost</b>	<b>498.257</b>	<b>100.00</b>

Group: 50.00.0000. PRECAST ELEMENTS

50.45.0030. 1 Slab H30, L=7.48 cm, B=120.00 cm, m2=9		n	Unit Cost: 268.409		10-04-2013	
Code	Description	U.M.	Qty	Cost	Amount	%
20.01.6055.	Cls 1bis - Slabs directory - Rck 550	mc	1.23	111.316	136.919	51.01
01.09.0001.	Regenereted lightening - density 10 kg/mc	mc	1.56	16.500	25.740	9.59
01.04.0002.	Steel Feb44K	kg	13.19	0.650	8.574	3.19
01.07.0034.	Wire netting measure	kg	16.16	0.763	12.330	4.59
01.06.0004.	Strand 0,6	kg	49.37	0.800	39.496	14.71
01.08.0001.	Form release agents	li	0.69	1.100	0.759	0.28
02.06.0001.	Generical spacers	nr	22.44	0.025	0.561	0.21
20.80.0120.	Manpower - Casting and storage	or	2.09	17.000	35.530	13.24
20.80.0150.	Manpower - Storage	or	0.50	17.000	8.500	3.17
				<b>Total Cost</b>	<b>268.409</b>	<b>100.00</b>

Group: 50.00.0000. PRECAST ELEMENTS

50.45.0030. 2 Slab H30, L=7.48 cm, B=51.00 cm, m2=4		n	Unit Cost: 150.663		10-04-2013	
Code	Description	U.M.	Qty	Cost	Amount	%
20.01.6055.	Clis 1bis - Slabs directory - Rck 550	mc	0.60	111.316	66.790	44.33
01.09.0001.	Regenereted lightening - density 10 kg/mc	mc	0.66	16.500	10.890	7.23
01.04.0002.	Steel Feb44K	kg	5.61	0.650	3.647	2.42
01.07.0034.	Wire netting measure	kg	6.87	0.763	5.242	3.48
01.06.0004.	Strand 0,6	kg	49.37	0.800	39.496	26.21
01.08.0001.	Form release agents	li	0.37	1.100	0.407	0.27
02.06.0001.	Generical spacers	nr	22.44	0.025	0.561	0.37
20.80.0120.	Manpower - Casting and storage	or	0.89	17.000	15.130	10.04
20.80.0150.	Manpower - Storage	or	0.50	17.000	8.500	5.64
				<b>Total Cost</b>	<b>150.663</b>	<b>100.00</b>

Group: 50.00.0000. PRECAST ELEMENTS

50.45.0030. 3 Slab H30, L=9.48 cm, B=120.00 cm, m2=11		n	Unit Cost: 333.638		10-04-2013	
Code	Description	U.M.	Qty	Cost	Amount	%
20.01.6055.	Clis 1bis - Slabs directory - Rck 550	mc	1.52	111.316	169.200	50.71
01.09.0001.	Regenereted lightening - density 10 kg/mc	mc	1.98	16.500	32.670	9.79
01.04.0002.	Steel Feb44K	kg	16.72	0.650	10.868	3.26
01.07.0034.	Wire netting measure	kg	20.48	0.763	15.626	4.68
01.06.0004.	Strand 0,6	kg	62.57	0.800	50.056	15.00
01.08.0001.	Form release agents	li	0.87	1.100	0.957	0.29
02.06.0001.	Generical spacers	nr	28.44	0.025	0.711	0.21
20.80.0120.	Manpower - Casting and storage	or	2.65	17.000	45.050	13.50
20.80.0150.	Manpower - Storage	or	0.50	17.000	8.500	2.55
				<b>Total Cost</b>	<b>333.638</b>	<b>100.00</b>

Group: 50.00.0000. PRECAST ELEMENTS

50.45.0030. 4 Slab H30, L=9.48 cm, B=51.00 cm, m2=5		n	Unit Cost: 184.262		10-04-2013	
Code	Description	U.M.	Qty	Cost	Amount	%
20.01.6055.	Clis 1bis - Slabs directory - Rck 550	mc	0.72	111.316	80.148	43.50
01.09.0001.	Regenereted lightening - density 10 kg/mc	mc	0.84	16.500	13.860	7.52
01.04.0002.	Steel Feb44K	kg	7.11	0.650	4.622	2.51
01.07.0034.	Wire netting measure	kg	8.70	0.763	6.638	3.60
01.06.0004.	Strand 0,6	kg	62.57	0.800	50.056	27.17
01.08.0001.	Form release agents	li	0.47	1.100	0.517	0.28
02.06.0001.	Generical spacers	nr	28.44	0.025	0.711	0.39
20.80.0120.	Manpower - Casting and storage	or	1.13	17.000	19.210	10.43
20.80.0150.	Manpower - Storage	or	0.50	17.000	8.500	4.61
				<b>Total Cost</b>	<b>184.262</b>	<b>100.00</b>



Group: 50.00.0000. PRECAST ELEMENTS

50.45.2050.1 Slab TT 50, L=13.97 m, Base 249 cm		n	Unit Cost: 966.396		10-04-2013	
Code	Description	U.M.	Qty	Cost	Amount	%
20.01.3055.	Clis 1 - Slabs, beams and double tee slabs - Rck 550	mc	4.49	112.196	503.760	52.13
01.04.0002.	Steel Feb44K	kg	73.05	0.650	47.483	4.91
01.07.0034.	Wire netting measure	kg	181.61	0.763	138.568	14.34
01.06.0004.	Strand 0,6	kg	147.52	0.800	118.016	12.21
02.06.0001.	Generical spacers	nr	41.00	0.025	1.025	0.11
01.08.0001.	Form release agents	li	1.04	1.100	1.144	0.12
20.80.0120.	Manpower - Casting and storage	or	8.70	17.000	147.900	15.30
20.80.0150.	Manpower - Storage	or	0.50	17.000	8.500	0.88
				<b>Total Cost</b>	<b>966.396</b>	<b>100.00</b>

Group: 50.00.0000. PRECAST ELEMENTS

50.45.2050. 2 Slab TT 50, L=13.97 m, Base 147 cm		n	Unit Cost: 679.355		10-04-2013	
Code	Description	U.M.	Qty	Cost	Amount	%
20.01.3055.	Clis 1 - Slabs, beams and double tee slabs - Rck 550	mc	2.65	112.196	297.319	43.76
01.04.0002.	Steel Feb44K	kg	43.13	0.650	28.035	4.13
01.07.0034.	Wire netting measure	kg	181.61	0.763	138.568	20.40
01.06.0004.	Strand 0,6	kg	147.52	0.800	118.016	17.37
02.06.0001.	Generical spacers	nr	41.00	0.025	1.025	0.15
01.08.0001.	Form release agents	li	0.62	1.100	0.682	0.10
20.80.0120.	Manpower - Casting and storage	or	5.13	17.000	87.210	12.84
20.80.0150.	Manpower - Storage	or	0.50	17.000	8.500	1.25
				<b>Total Cost</b>	<b>679.355</b>	<b>100.00</b>

Group: 50.00.0000. PRECAST ELEMENTS

50.80.0010.1 Wall Panel Horizontal dimensions 8.45 x 2.5 m, m2= 21.125 cm  
 Heg. Tot.= 20 cm  
 Internal finish smooth concrete  
 Exterior finish smooth concrete

		n	Unit Cost: 741.553		10-04-2013	
Code	Description	U.M.	Qty	Cost	Amount	%
20.01.5035.	CLS 4 - Panels - Rck350	mc	2.53	106.506	269.460	36.34
01.09.0001.	Regenereted lightening - density 10 kg/mc	mc	1.69	16.500	27.885	3.76
01.04.0002.	Steel Feb44K	kg	33.27	0.650	21.626	2.92
01.06.0001.	Braid 3x3	kg	21.12	0.900	19.008	2.56
01.07.0034.	Wire netting measure	kg	91.26	0.763	69.631	9.39
01.08.0001.	Form release agents	li	0.63	1.100	0.693	0.09
02.06.0001.	Generical spacers	nr	42.00	0.025	1.050	0.14
11.09.1010.	Lifting hooks 1t	nr	2.00	1.115	2.230	0.30
20.80.0120.	Manpower - Casting and storage	or	18.16	17.000	308.720	41.63
20.80.0150.	Manpower - Storage	or	1.25	17.000	21.250	2.87
				<b>Total Cost</b>	<b>741.553</b>	<b>100.00</b>

Group: 50.00.0000. PRECAST ELEMENTS

50.80.0010.2 Wall Panel Horizontal dimensions 8 x 2.5 m, m2= 20 cm  
 Heg. Tot.= 20 cm  
 Internal finish smooth concrete  
 Exterior finish smooth concrete

		n	Unit Cost: 717.543		10-04-2013	
Code	Description	U.M.	Qty	Cost	Amount	%
20.01.5035.	CLS 4 - Panels - Rck350	mc	2.40	106.506	255.614	35.62
01.09.0001.	Regenereted lightening - density 10 kg/mc	mc	1.60	16.500	26.400	3.68
01.04.0002.	Steel Feb44K	kg	31.50	0.650	20.475	2.85
01.06.0001.	Braid 3x3	kg	19.99	0.900	17.991	2.51
01.07.0034.	Wire netting measure	kg	86.40	0.763	65.923	9.19
01.08.0001.	Form release agents	li	0.60	1.100	0.660	0.09
02.06.0001.	Generical spacers	nr	40.00	0.025	1.000	0.14
11.09.1010.	Lifting hooks 1t	nr	2.00	1.115	2.230	0.31
20.80.0120.	Manpower - Casting and storage	or	18.00	17.000	306.000	42.65
20.80.0150.	Manpower - Storage	or	1.25	17.000	21.250	2.96
				<b>Total Cost</b>	<b>717.543</b>	<b>100.00</b>

Group: 50.00.0000. PRECAST ELEMENTS

50.80.0010.3 Wall Panel Horizontal dimensions 10.45 x 2.5 m, m2= 24.685 cm  
 Heg. Tot.= 20 cm  
 Internal finish smooth concrete  
 Exterior finish smooth concrete  
 with n° 1 Windows

Code	Description	U.M.	Qty	Cost	Amount	%
		n		Unit Cost: 956.427		10-04-2013
20.01.5035.	CLS 4 - Panels - Rck350	mc	2.96	106.506	315.258	32.96
01.09.0001.	Regenereted lightening - density 10 kg/mc	mc	1.97	16.500	32.505	3.40
01.04.0002.	Steel Feb44K	kg	41.15	0.650	26.747	2.80
01.06.0001.	Braid 3x3	kg	41.04	0.900	36.936	3.86
01.07.0034.	Wire netting measure	kg	112.86	0.763	86.112	9.00
01.08.0001.	Form release agents	li	0.74	1.100	0.814	0.09
02.06.0001.	Generical spacers	nr	49.00	0.025	1.225	0.13
11.09.1010.	Lifting hooks 1t	nr	4.00	1.115	4.460	0.47
20.80.0120.	Manpower - Casting and storage	or	25.36	17.000	431.120	45.08
20.80.0150.	Manpower - Storage	or	1.25	17.000	21.250	2.22
				<b>Total Cost</b>	<b>956.427</b>	<b>100.00</b>

Group: 50.00.0000. PRECAST ELEMENTS

50.80.0010. 4 Wall Panel Horizontal dimensions 10.45 x 2.5 m, m2= 26.125 cm  
 Heg. Tot.= 20 cm  
 Internal finish smooth concrete  
 Exterior finish smooth concrete

		n	Unit Cost: 894.522		10-04-2013	
Code	Description	U.M.	Qty	Cost	Amount	%
20.01.5035.	CLS 4 - Panels - Rck350	mc	3.13	106.506	333.364	37.27
01.09.0001.	Regenereted lightening - density 10 kg/mc	mc	2.09	16.500	34.485	3.86
01.04.0002.	Steel Feb44K	kg	41.15	0.650	26.747	2.99
01.06.0001.	Braid 3x3	kg	41.04	0.900	36.936	4.13
01.07.0034.	Wire netting measure	kg	112.86	0.763	86.112	9.63
01.08.0001.	Form release agents	li	0.78	1.100	0.858	0.10
02.06.0001.	Generical spacers	nr	52.00	0.025	1.300	0.15
11.09.1010.	Lifting hooks 1t	nr	4.00	1.115	4.460	0.50
20.80.0120.	Manpower - Casting and storage	or	20.53	17.000	349.010	39.02
20.80.0150.	Manpower - Storage	or	1.25	17.000	21.250	2.38
				<b>Total Cost</b>	<b>894.522</b>	<b>100.00</b>

Code	Description	U.M.	Qty	Unit Cost	Amount
<b>01.01.0000.</b>	<b>CEMENT</b>				
01.01.0002.	Cement 525 ptl type	to	92.10	70.000	6,446.832
<b>Total</b>			92.10		6,446.832
<b>01.02.0000.</b>	<b>ADDITIVES</b>				
01.02.0001. a	Additives ace 363	li	1002.01	1.100	1,102.211
01.02.0002.	Water	li	45488.04	0.002	90.976
<b>Total</b>			46490.05		1,193.187
<b>01.03.0000.</b>	<b>AGGREGATE</b>				
01.03.0001.	Fine sand	to	222.77	10.300	2,294.535
01.03.0003.	Gravel 7/15	to	188.02	11.200	2,105.878
01.03.0004.	Gravel 12/20	to	26.16	12.000	313.978
<b>Total</b>			436.96		4,714.390
<b>01.04.0000.</b>	<b>STEEL</b>				
01.04.0002.	Steel Feb44K	kg	12355.90	0.650	8,031.335
<b>Total</b>			12355.90		8,031.335
<b>01.06.0000.</b>	<b>STRAND</b>				
01.06.0001.	Braid 3x3	kg	246.45	0.900	221.805
01.06.0004.	Strand 0,6	kg	4700.66	0.800	3,760.528
<b>Total</b>			4947.11		3,982.333
<b>01.07.0000.</b>	<b>WIRE NETTING</b>				
01.07.0034.	Wire netting measure	kg	5322.23	0.763	4,060.861
<b>Total</b>			5322.23		4,060.861
<b>01.08.0000.</b>	<b>FORM RELEASE AGENTS AND A VARNISH RETARDER</b>				
01.08.0001.	Form release agents	li	54.43	1.100	59.873
<b>Total</b>			54.43		59.873
<b>01.09.0000.</b>	<b>LIGHTENING</b>				
01.09.0001.	Regenereted lightening - density 10 kg/mc	mc	60.00	16.500	990.000
<b>Total</b>			60.00		990.000
<b>01.50.0000.</b>	<b>ENERGY</b>				
01.50.0001.	Methane	mc	237.89	0.900	214.101
01.50.0002.	Gas Oil	mc	237.89	1.010	240.269
01.50.0003.	Electricity	mc	237.89	3.500	832.615
<b>Total</b>			713.67		1,286.985

Code	Description	U.M.	Qty	Unit Cost	Amount
<b>01.80.0000.</b>	<b>FACTORY MANPOWERS</b>				
01.80.0010.	MANPOWER REINFORCEMENT/CASTING	or	654.22	17.000	11,121.740
<b>Total</b>			654.22		11,121.740
<b>02.01.0000.</b>	<b>PVC MATERIAL</b>				
02.01.0500.	PVC bend 90÷ - Diam 125 mm - Red	nr	8.00	1.230	9.840
02.01.1125.	Tube - PVC - Diam 125 mm - L =300 cm - Ivory	nr	22.16	3.630	80.441
<b>Total</b>			30.16		90.281
<b>02.06.0000.</b>	<b>SPACERS</b>				
02.06.0001.	Generical spacers	nr	2868.44	0.025	71.711
<b>Total</b>			2868.44		71.711
<b>11.09.0000.</b>	<b>PIASTRE</b>				
11.09.0100.	Rough plate for Torre type S - 3 t - BSItalia	nr	6.00	1.044	6.264
11.09.0101.	Rough plate for Torre type S - 4 t - BSItalia	nr	12.00	1.233	14.796
11.09.0102.	Rough plate for Torre type S - 5 t - BSItalia	nr	24.00	1.557	37.368
11.09.0103.	Rough plate for Torre type S - 6 t - BSItalia	nr	8.00	1.900	15.200
11.09.0105.	Rough plate for Torre type S - 10 t - BSItalia	nr	16.00	2.500	40.000
11.09.1010.	Lifting hooks 1t	nr	24.00	1.115	26.760
<b>Total</b>			90.00		140.388
<b>20.81.0000.</b>	<b>SALARIES</b>				
20.81.0001.	Salaries of the Technicians	mc	237.89	19.000	4,519.910
<b>Total</b>			237.89		4,519.910
<b>20.85.0000.</b>	<b>AMORTIZATIONS</b>				
20.85.0001.	Buildings Amortization	mc	237.89	11.000	2,616.790
<b>Total</b>			237.89		2,616.790
<b>20.86.0000.</b>	<b>CONSULTANCIES</b>				
20.86.0002.	Technical Consultancies	mc	237.89	9.000	2,141.010
<b>Total</b>			237.89		2,141.010
<b>20.87.0000.</b>	<b>MAINTENANCE</b>				
20.87.0001.	Machinery/Plants Maintenance	mc	237.89	15.000	3,568.350
<b>Total</b>			237.89		3,568.350
<b>30.12.0000.</b>	<b>TRANSPORTATION - NORMAL LENGTH 0.00 &lt; 13,6 METERS</b>				
30.12.0080.	Elements transportation from 41 to 80 km	pz	16.00	250.000	4,000.000
<b>Total</b>			16.00		4,000.000



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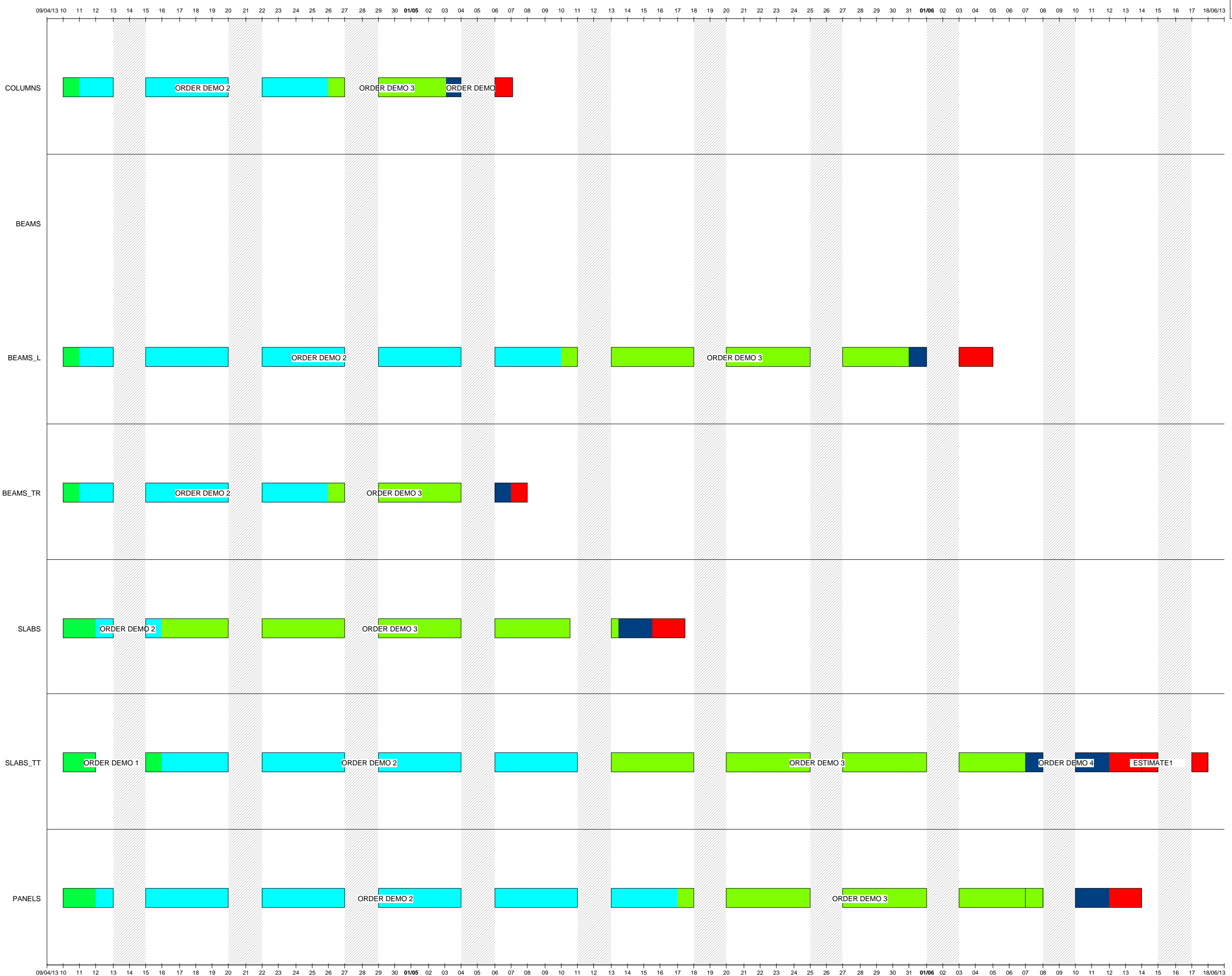
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<b>30.20.0000.</b>	<b>EXCEPTIONAL TRANSPORTS LENGHT BETWEEN 13.6 AND 22 METERS</b>				
30.20.0075.	Transport from 50 to 75 km	pz	11.00	270.000	2,970.000
<b>Total</b>			11.00		2,970.000
<b>40.10.0000.</b>	<b>ASSEMBLY - BUILDING (COLUMNS)</b>				
40.10.0010.	Assembly - Columns	gi	1.00	1,750.000	1,750.000
<b>Total</b>			1.00		1,750.000
<b>40.15.0000.</b>	<b>ASSEMBLY - BUILDING (BEAMS, DOUBLE TEE SLABS AND DOMES)</b>				
40.15.0010.	Assembly - Building (beams, double tee slabs, domes /shed in concrete)	gg	3.00	1,750.000	5,250.000
<b>Total</b>			3.00		5,250.000
<b>40.30.0000.</b>	<b>ASSEMBLY WALLS</b>				
40.30.0010.	Assembly Panels	gg	1.00	1,750.000	1,750.000
<b>Total</b>			1.00		1,750.000
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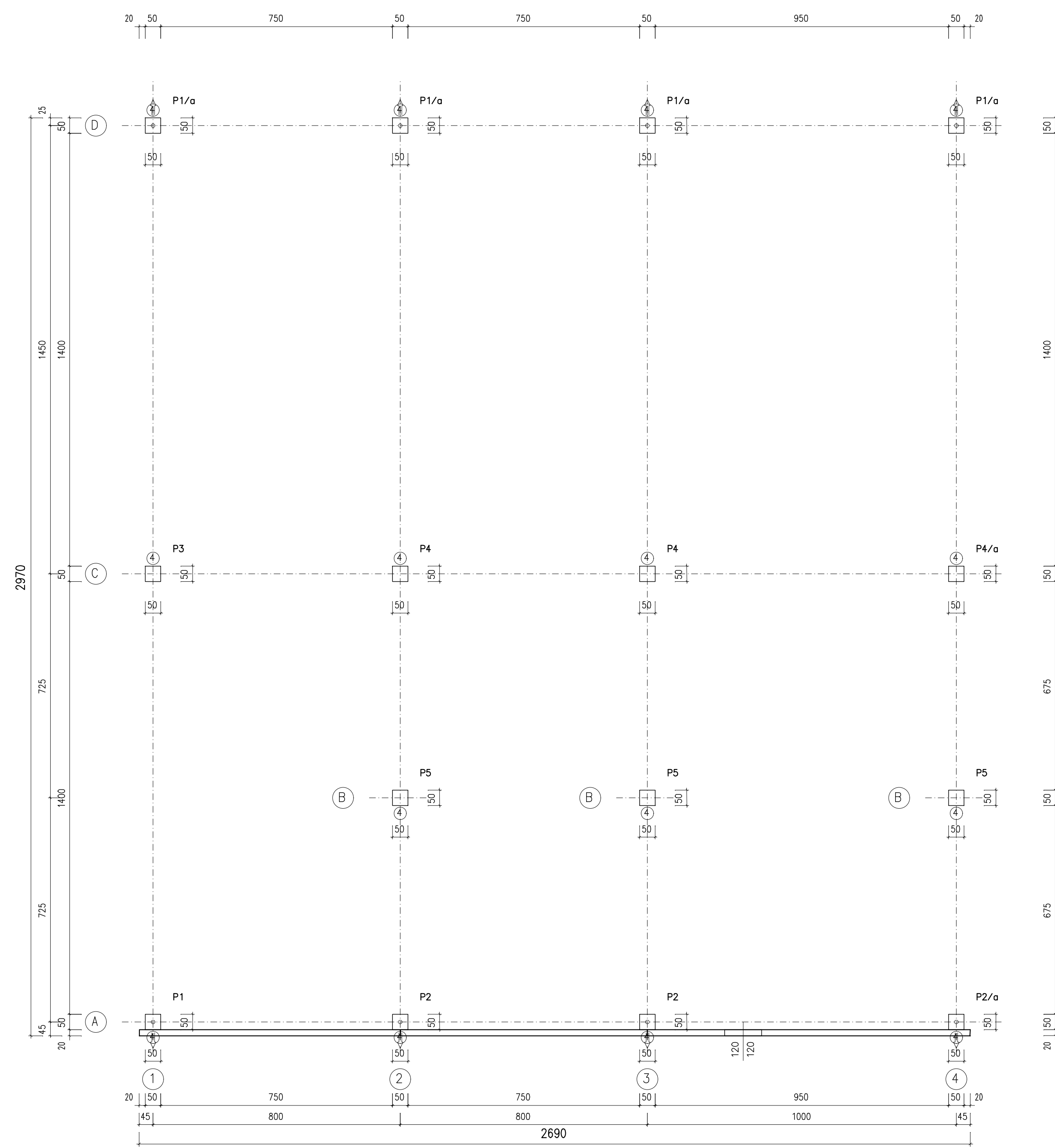
# P2000 - Production planning of 08-04-2013

- EDM.13.002. - ORDER DEMO 1
- EDM.13.002.1 - ORDER DEMO 2
- EDM.13.002.2 - ORDER DEMO 3
- EDM.13.002.3 - ORDER DEMO 4
- EDM.13.002. - ESIMATE 1

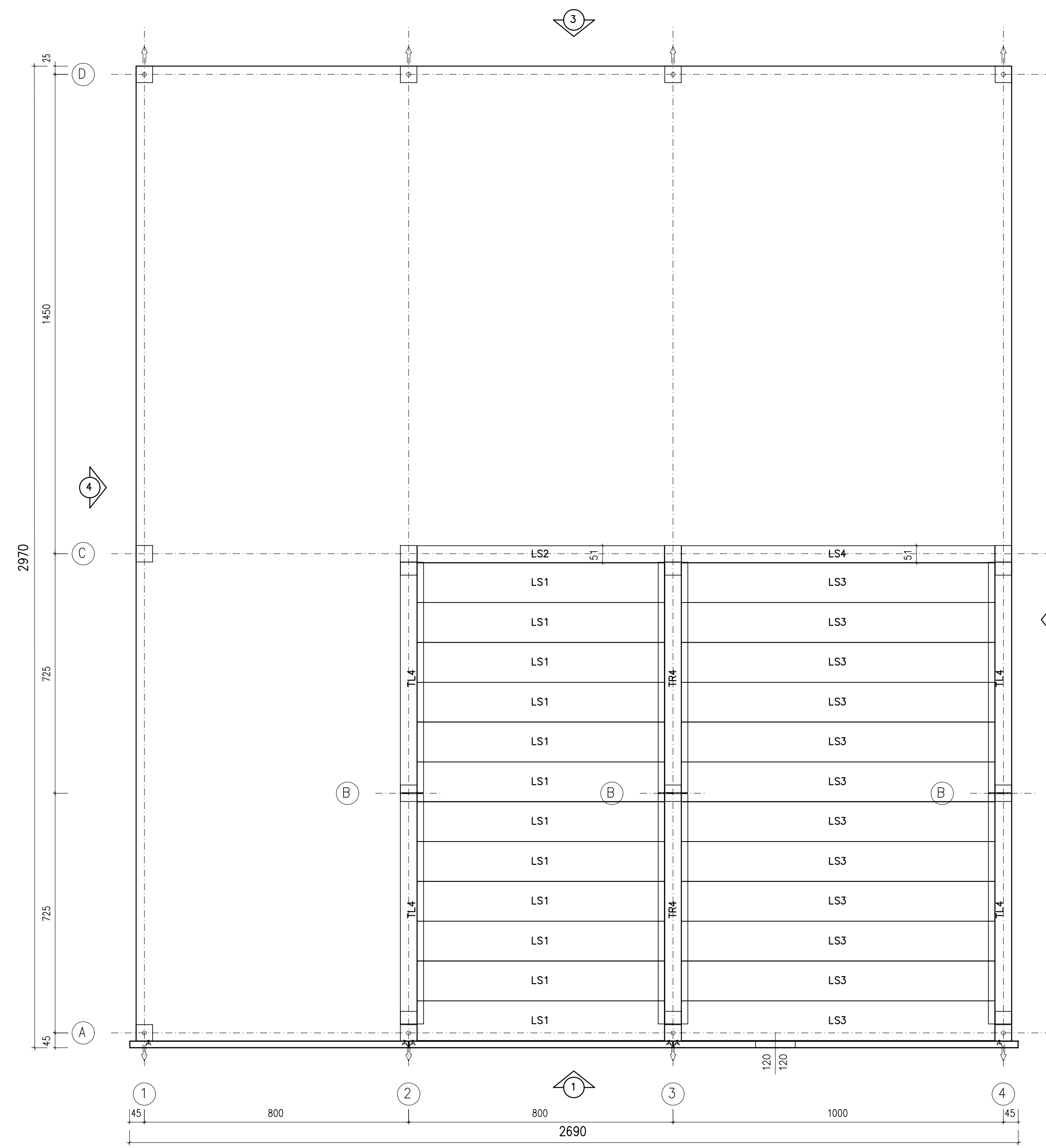
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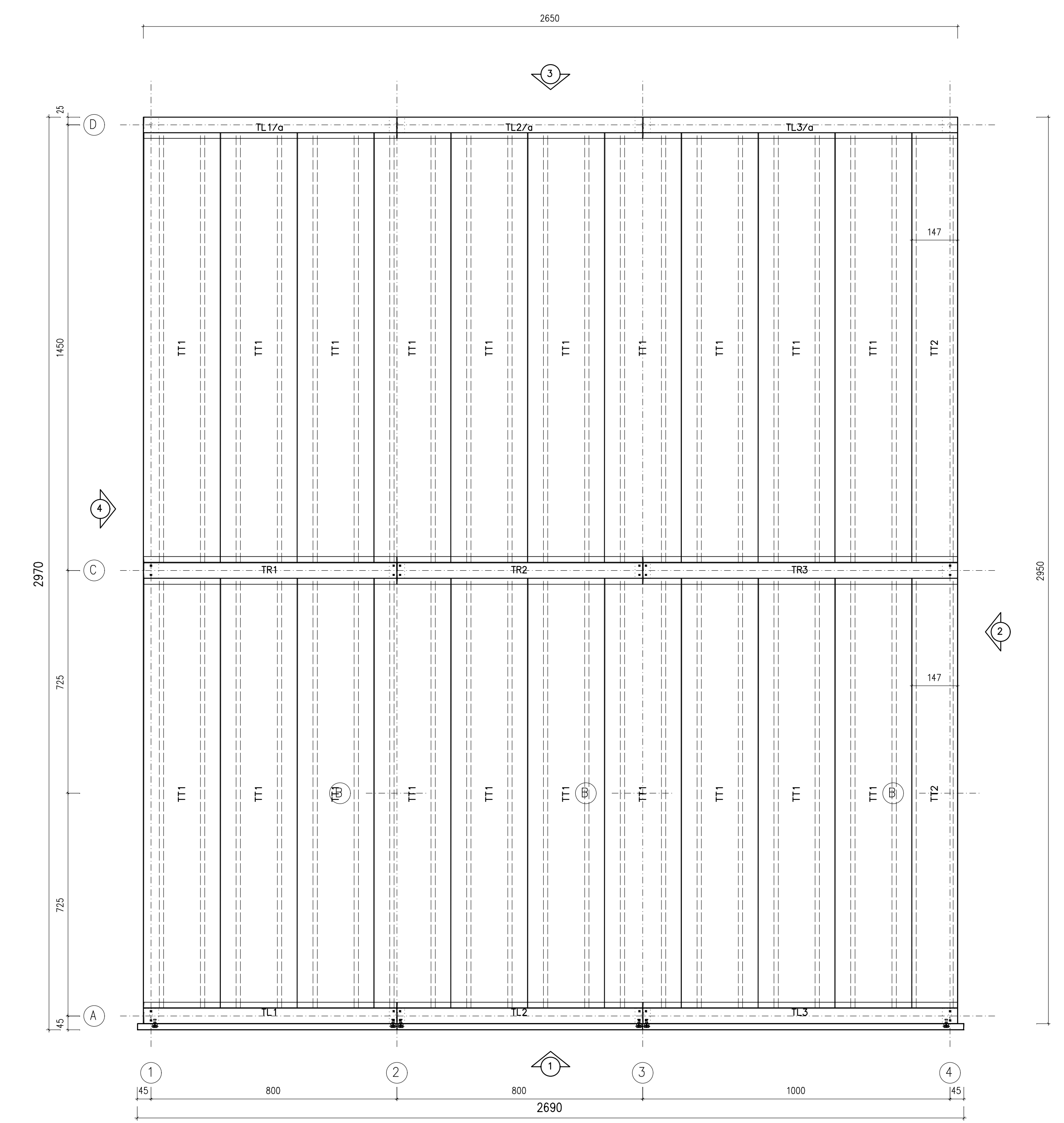
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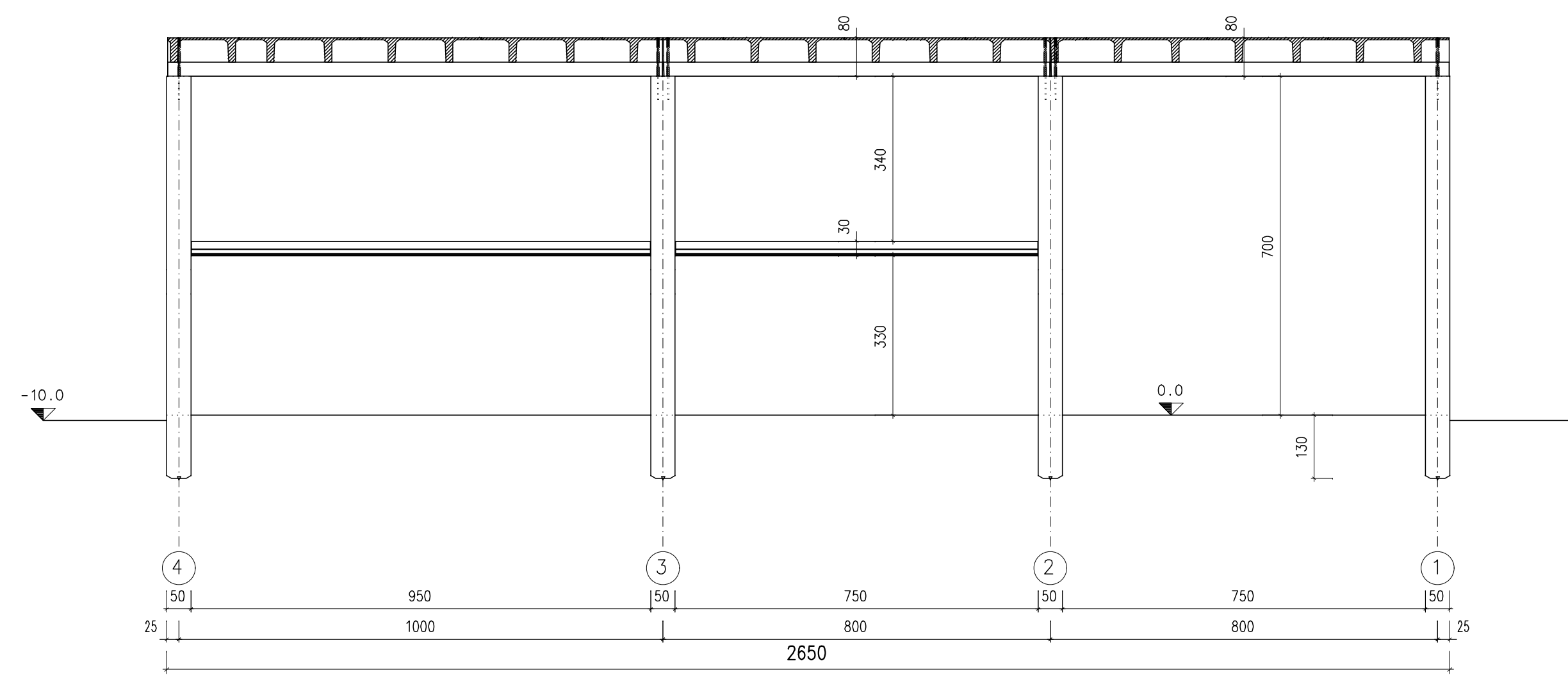
PLANT SLAB



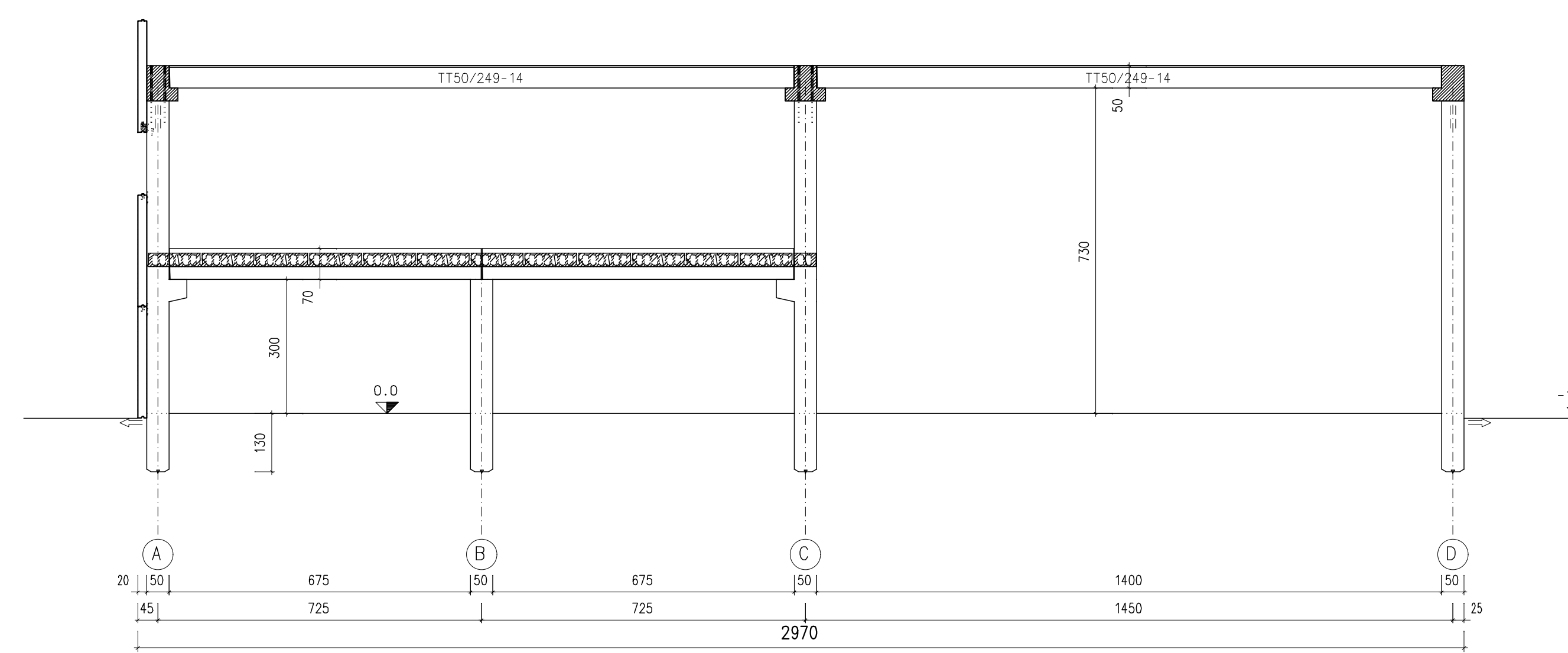
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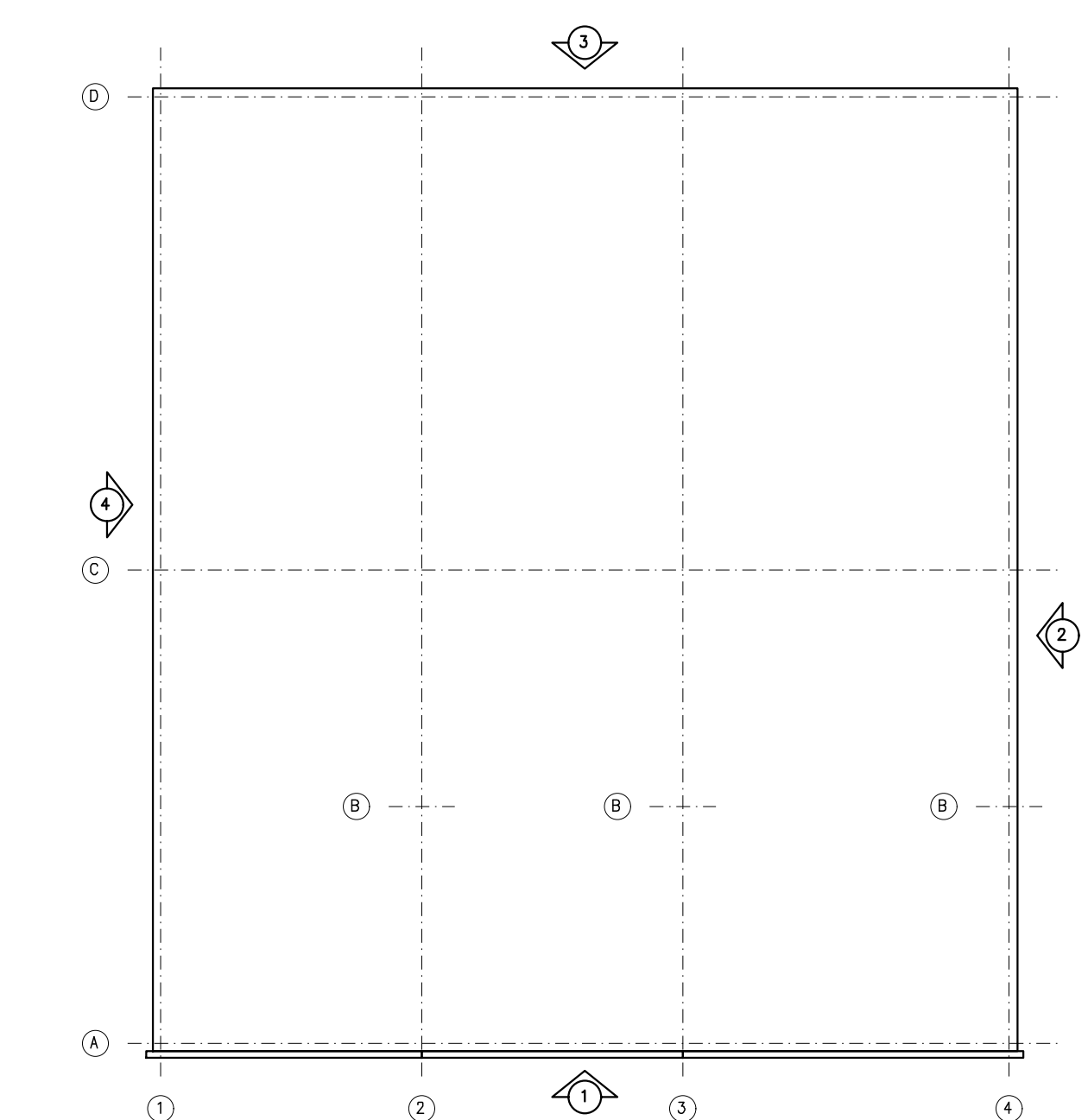
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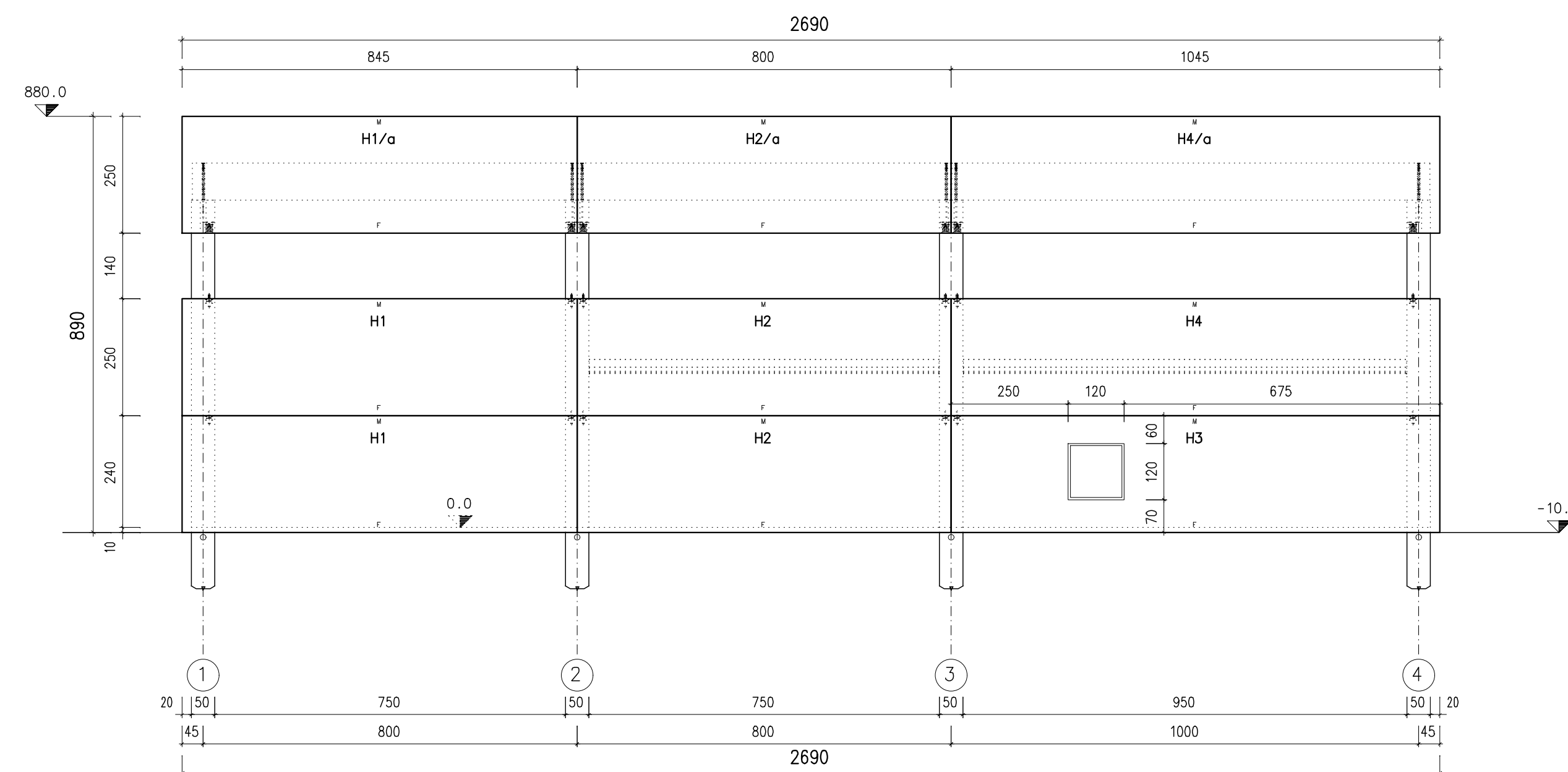
SECTION Y AXIS 3-3



PLANT REFERENCE



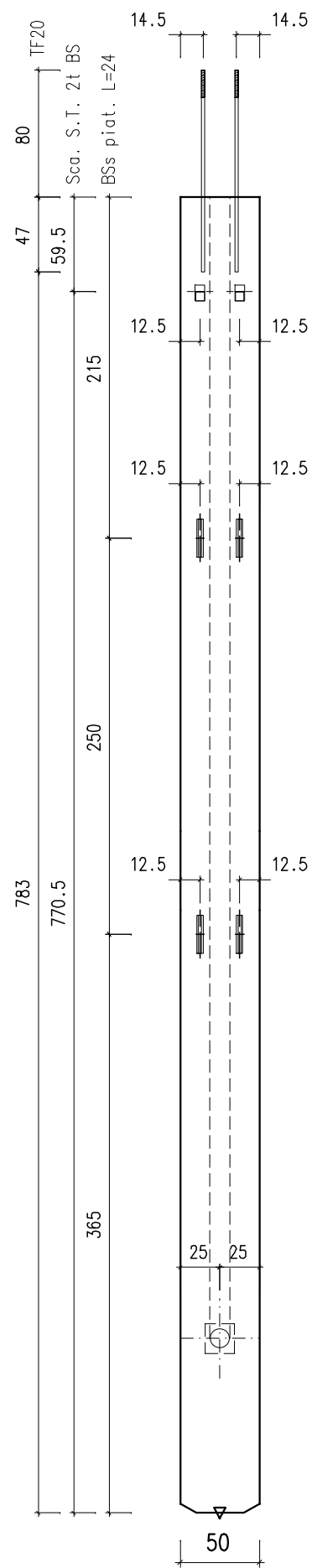
PROSPECT 1



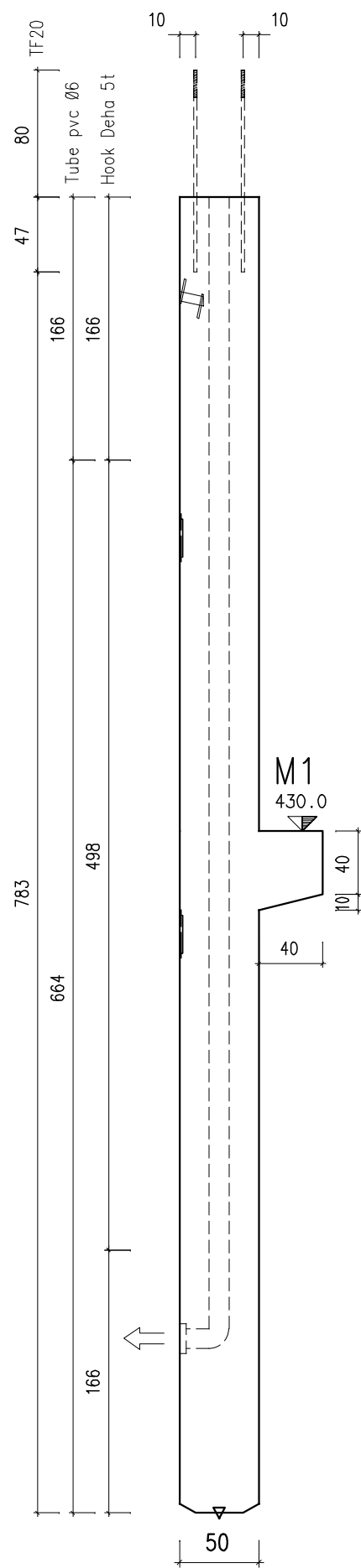
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2		
3		
4		

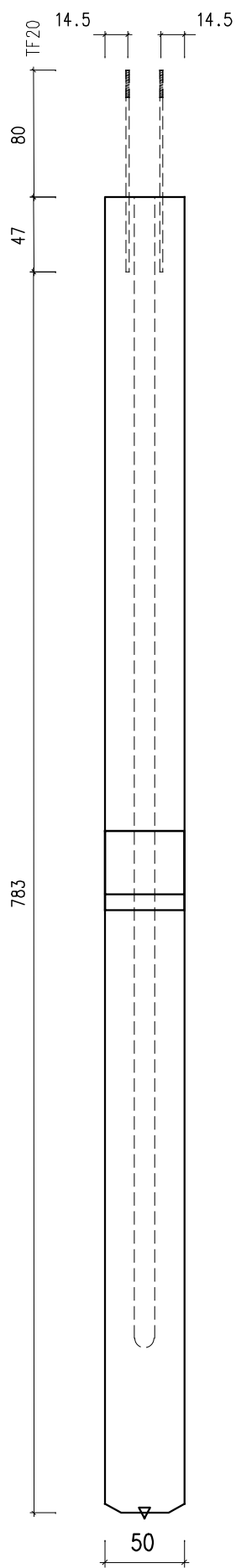
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Object	PLANS, SECTIONS and PROSPECTS		
N° Order	Code	Date	Technical
	EDM13002	09-04-2013	



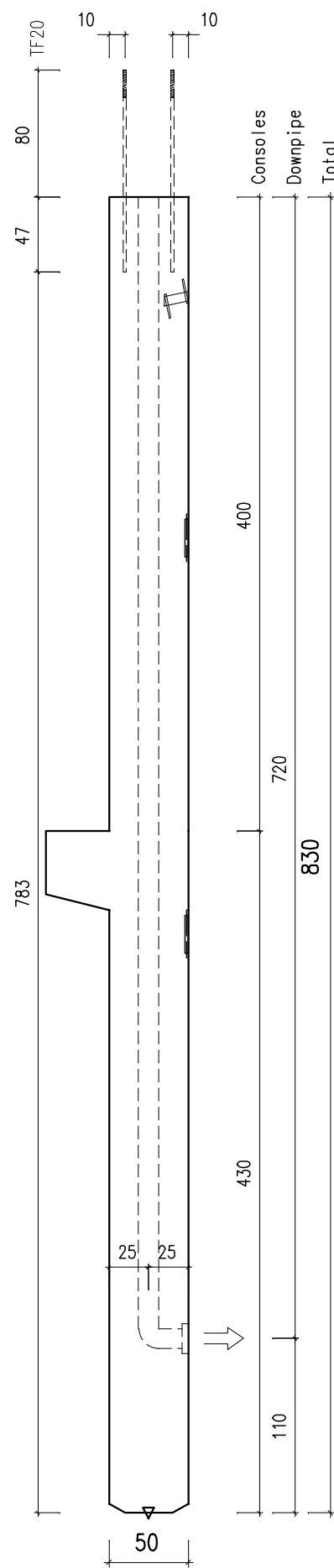
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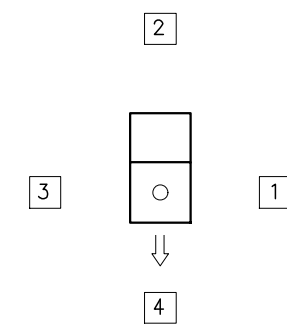
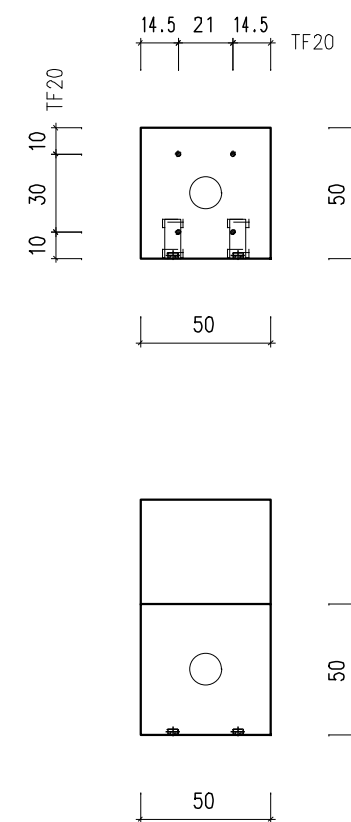
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2



3



LIFTINGS	
Bearing capa	Num.
Hook DEHA 5t	2

INSERTS	
Typology	Num.
CURVA 90° Ø125	1
PLUVIAL Ø125	1
Prof.BS con plat.L= 24cm	4
Sca. tubo staf. S.T. 2t	2
TUBE PVC Ø6	2
TIRAFONDO Ø20 L=1270 mm.	4

**DURABILITY UNI EN 1992-1-1**  
 Design working life Cat.: 0  
 Exposure Class:  
 Structural Class C.crete: S5  
 Steel Recover:Cmin+DC.dev=Cnom 25+5=30mm

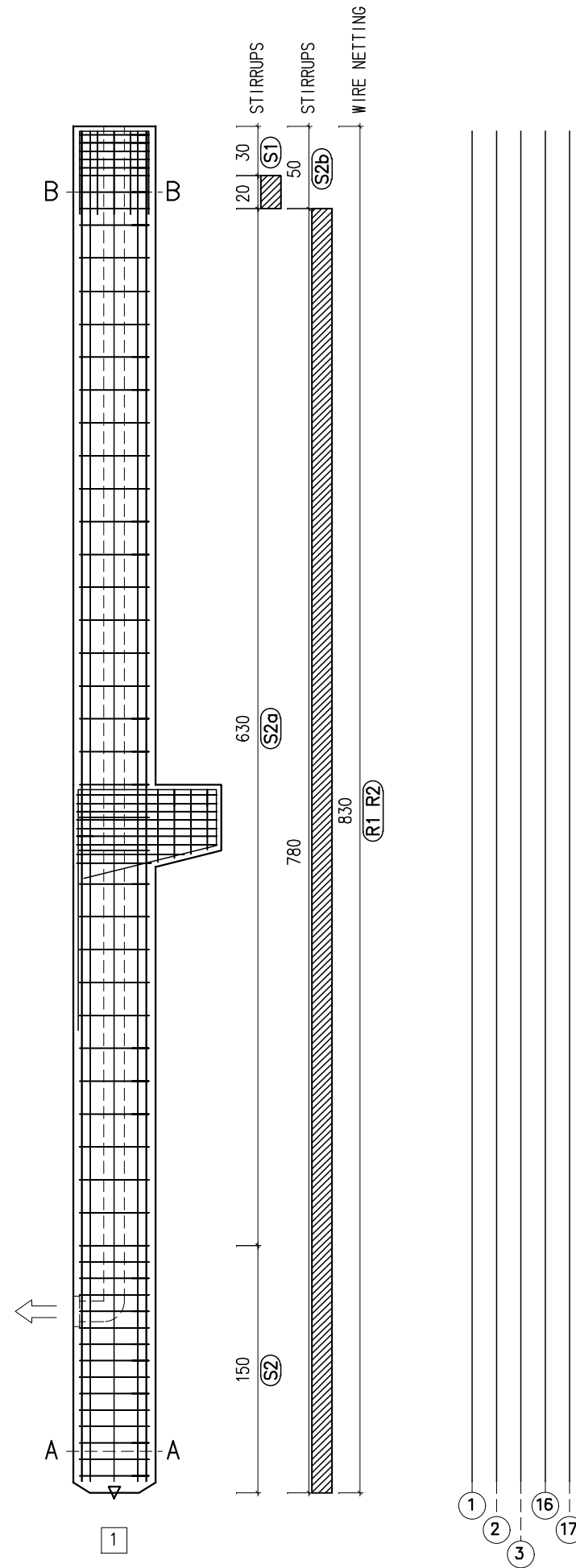
**REFERENCE TABLES**  
 Tollerances of Product. TYP1  
 Tollerances of Reinforc. PRP2

**MATERIALS:**  
 Class Concrete: at 28 days C45/55 - Fckj C16/20  
 Steel B450C

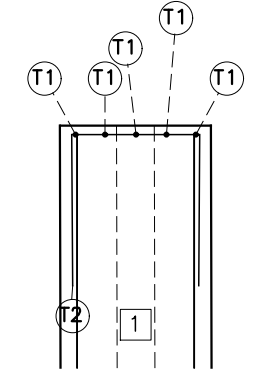
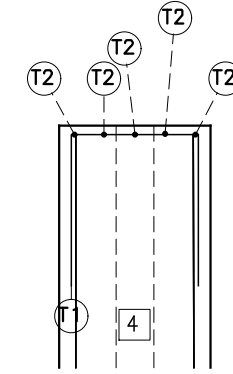
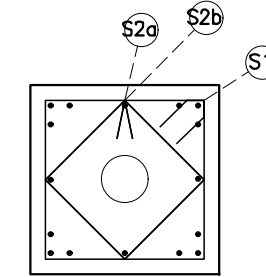
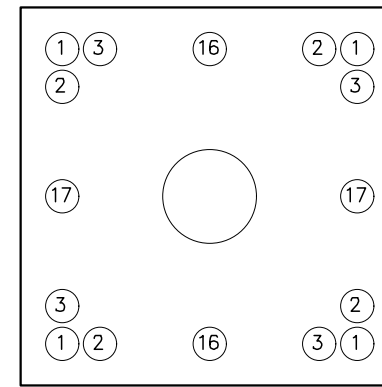
N° Order	Order	Location:		
	DEMO			
Date	Area (m2)	Concrete Vol.(m3)	Weight (t)	
10-04-13	/	2.08	5.19	
Code	Number	Fire	Lenght (cm)	Height (cm)
P2	2	120	/	830
	Recover(cm)	4.00	Parent	Technical
Page 1 of 3	Gap (cm)	5.00	P 50x50	Check
				A.D.

WIRE NETTING						
POS.	N.	A/Space	cm	L(cm)	MOULDING	WEIGHT(Kg)
R1	1	5/15 5/15	188	830		31.99
R2	1	5/15 5/15	139	830		23.68
<b>Total</b>						<b>55.67</b>

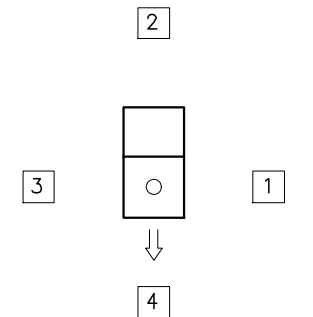
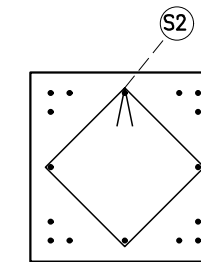
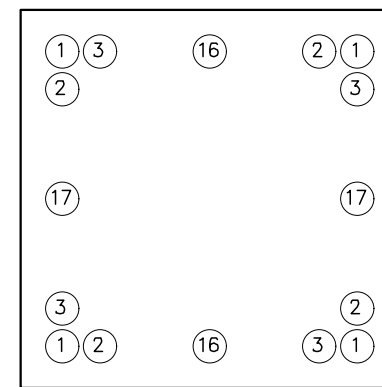
STEEL						
POS.	N.	Ø/Space	L(cm)	MOULDING	WEIGHT(Kg)	
1	4	20	820		80.88	
2	4	16	820		51.76	
3	4	16	820		51.76	
16	2	16	820		25.88	
17	2	16	820		25.88	
S1	6	8/ 5	197		4.67	
S2	15	10/10	139		12.88	
S2a	32	10/20	139		27.48	
S2b	5	10/10	139		4.29	
T1	5	18	142		14.19	
T2	5	18	142		14.19	
<b>Total</b>						<b>313.85</b>



B - B



A - A



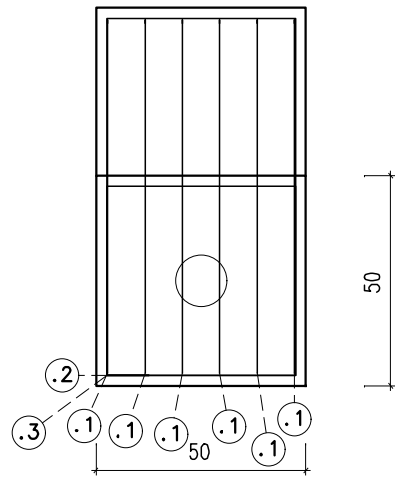
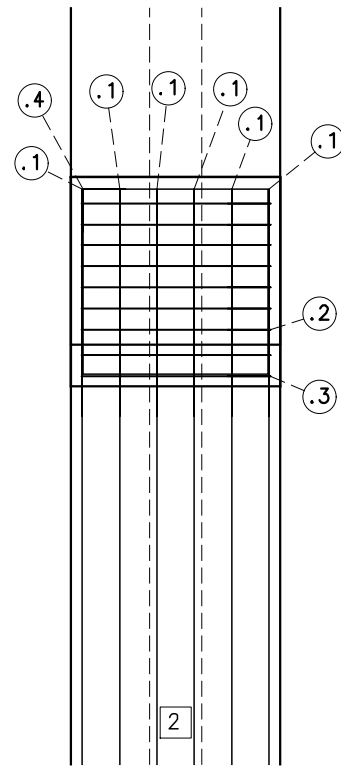
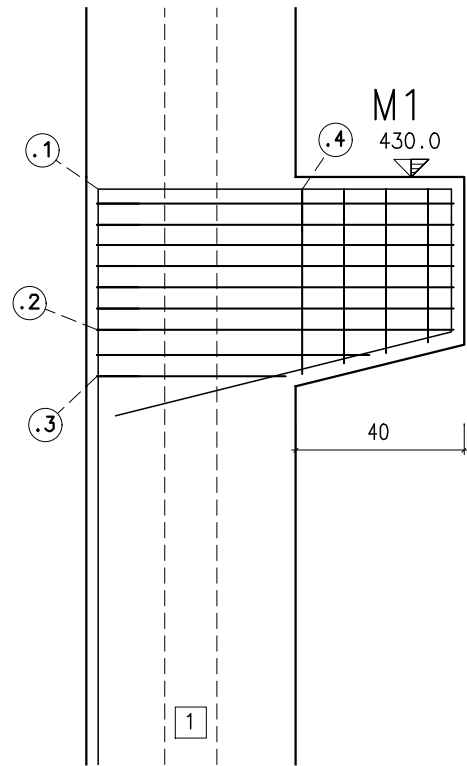
REINFORCEMENT

REFERENCE TABLES  
Tolerances of Product. TVP1  
Tolerances of Reinforc. PRP2

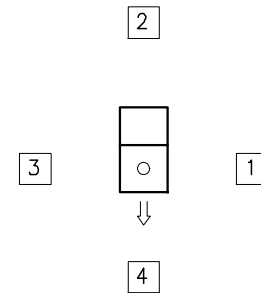
MATERIALS:

Class Concrete: at 28 days C45/55 - Fck; C16/20  
Steel B450C

N° Order	Order	Location:		
	DEMO			
Date	Steel Weight (Kg)	Concrete Vol.(m3)	Weight (t)	
10-04-13	431.85	2.08	5.19	
Code	Number	Fire	Length (cm)	Height (cm)
P2	2	120	/	830
	Recover (cm)	4.00	Parent	Technical
Page 2 of 3	Gap (cm)	5.00	P 50x50	Check
				A.D.



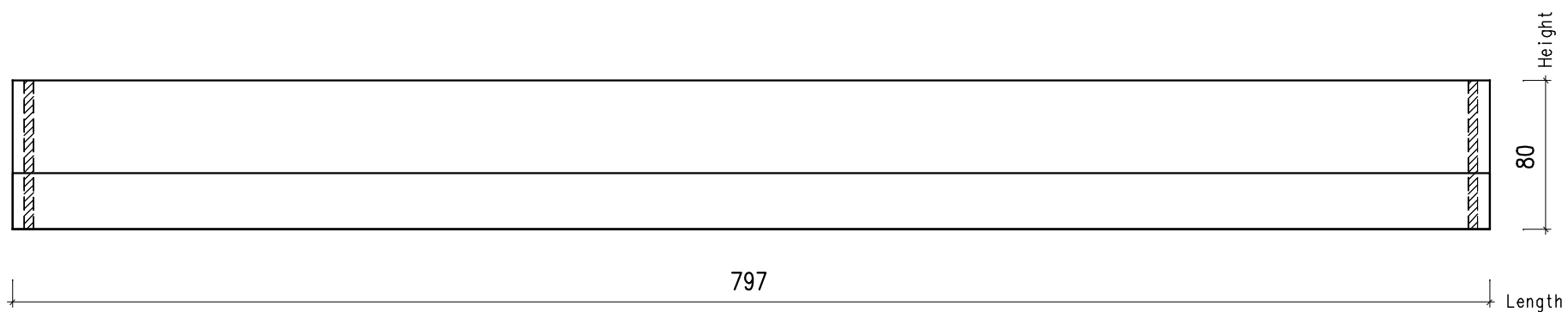
STEEL					
POS.	N.	Å /Space	L (cm)	MOULDING	WEIGHT (Kg)
M1.1	6	20	346		51.26
M1.2	7	8/ 5	280		7.74
M1.3	2	8/ 5			1.58
		dx=45	200		
		dx=65	240		
M1.4	4	6/10			1.74
		dz=44	196		
		dz=42	191		
		dz=39	186		
		dz=37	181		
Total					62.32



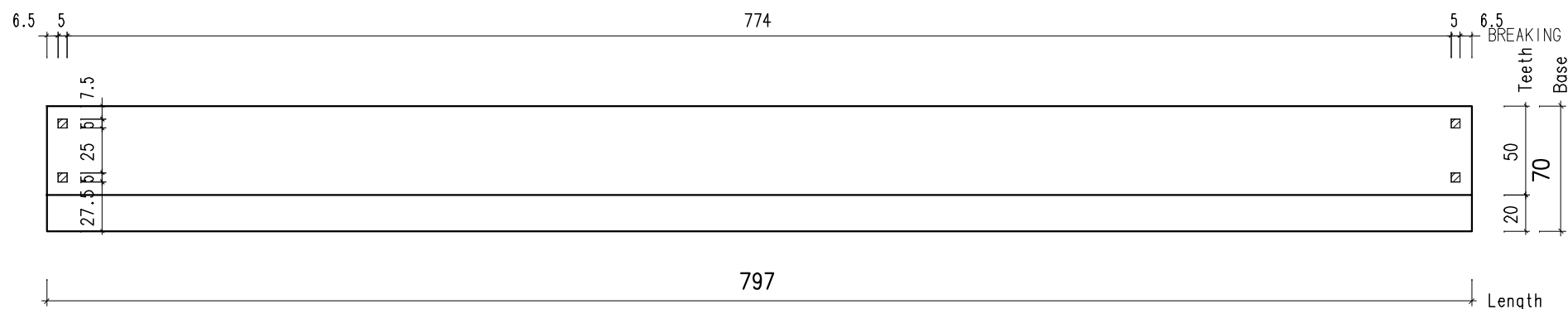
REFERENCE TABLES  
Tollerances of Product. TYP1  
Tollerances of Reinforc. PRP2

Order		DEMO	
N° Order	Date	Number	Code
	10-04-13	2+ 1	P2
Technical	Check		
	A.D.		
Page 3 of 3			

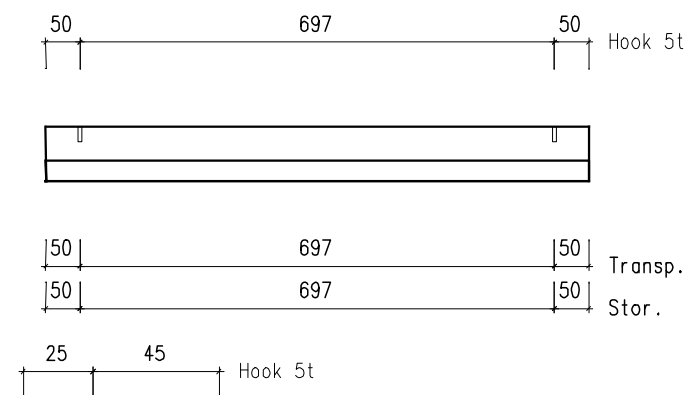
VIEW LATERAL



VIEW TOP VIEW

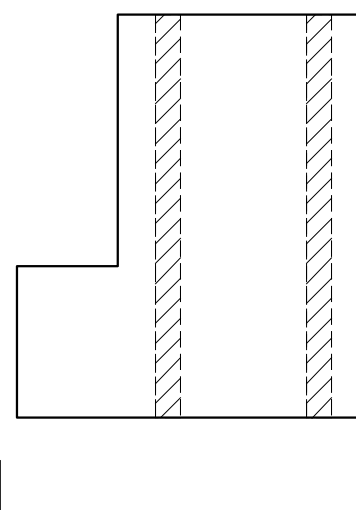
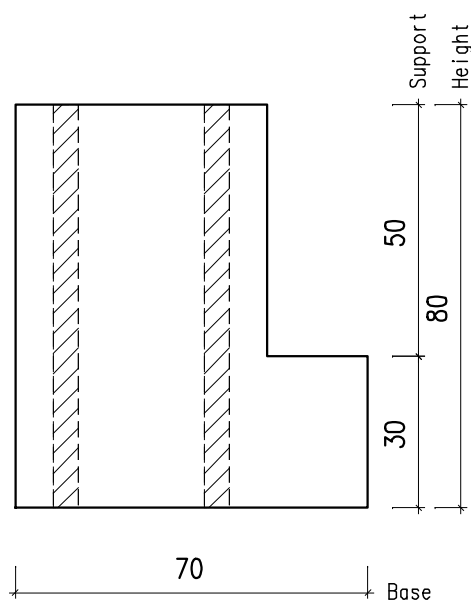


LIFTING DIAGRAM  
TRANSPORT AND STORAGE



LIFTINGS	
Bearing capa	Num.
Hook 5 t	2

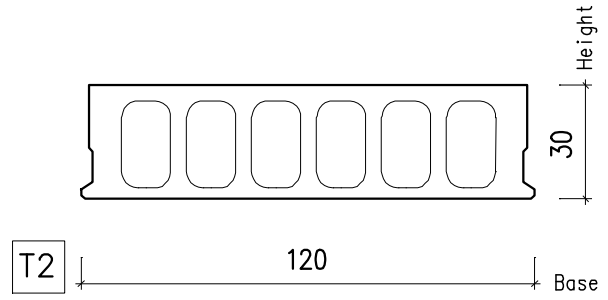
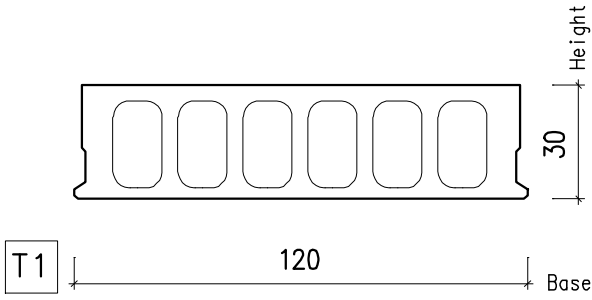
LIGHTENINGS		
Typology	Num.	m3
BREAKING 5x5x80cm	4	0.01



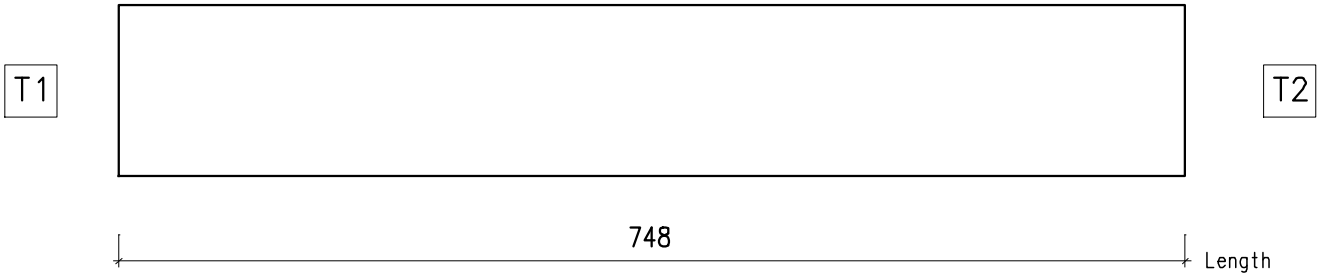
<b>DURABILITY UNI EN 1992-1-1</b> Design working life Cat.: 0 Exposure Class: Structural Class C.crete: S5 Steel Recover:Cmin+DC.dev=Cnom 25+5=30mm	<b>REFERENCE TABLES</b> Tollerances of Product. TVP1 Tollerances of Reinforc. PRP2 Withdrawal Strands PRP3
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**MATERIALS:**  
Class Concrete: at 28 days C45/55 - Fckj C28/35  
Steel B450C

N° Order	Order	Location:		
	DEMO			
Date	Area (m2)	Concrete Vol.(m3)	Weight (t)	
10-04-13	/	3.66	9.15	
Code	Number	Fire	Length (cm)	Height (cm)
TL2	1	/	797	80
Page 1 of 2	Recover(cm)	/	Parent	Technical
	Gap (cm)	/		
				A.D.



VIEW  
TOP VIEW

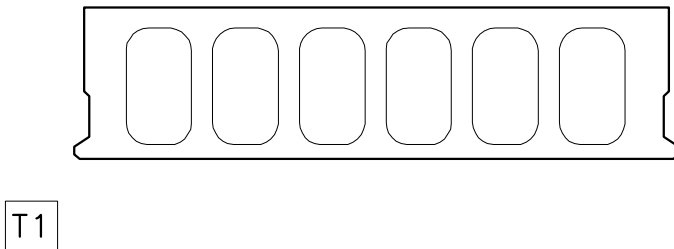


LIFTINGS	
Bearing capa	Num.
Hook 5 t	4

<b>DURABILITY UNI EN 1992-1-1</b> Design working life Cat.: 0 Exposure Class: Structural Class C.concrete: S5 Steel Recover: CmintDC.dev=Cnom 25+5-30mm	<b>REFERENCE TABLES</b> Tolerances of Product. TYP1 Tolerances of Reinforc. PRP2 Withdrawal Strands PRP3
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**MATERIALS:**  
Class Concrete: at 28 days C45/55 - Fckj C28/35  
Steel B450C

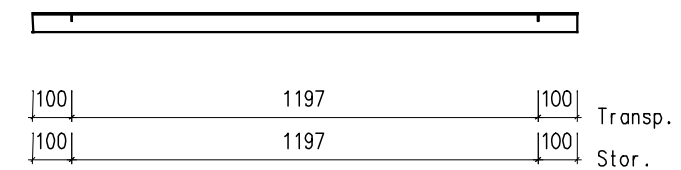
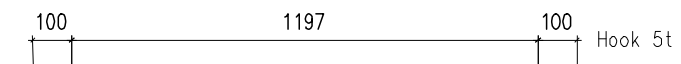
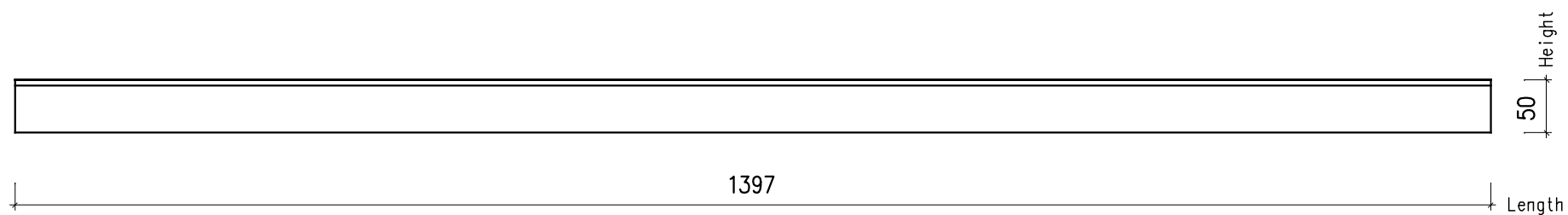
N° Order	Order	Location:		
	DEMO			
Date	Area (m2)	Concrete Vol.(m3)	Weight (t)	
10-04-13	8.98	1.36	3.39	
Code	Number	Fire	Lenght (cm)	Height (cm)
	LS1	/	748	30
Page 1 of 2	Recover(cm)	/	Parent	Technical
	Gap (cm)	/	ALV_6F0	Check
				A.D.





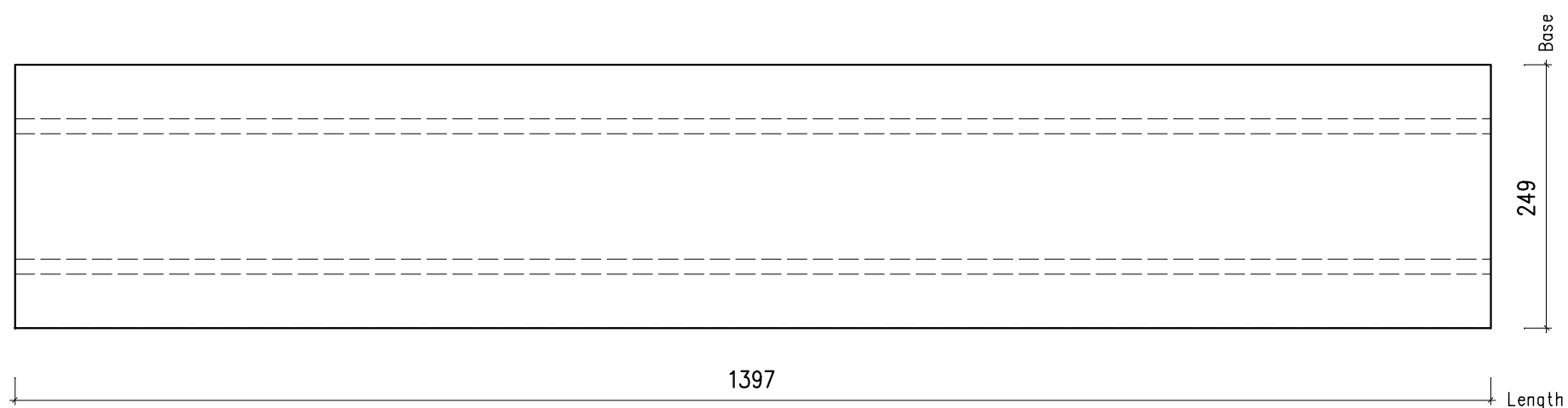
LIFTING DIAGRAM  
TRANSPORT AND STORAGE

VIEW  
LATERAL

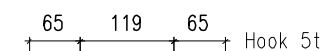


VIEW  
TOP VIEW

T1



T2



LIFTINGS	
Bearing capa	Num.
Hook 5 t	4

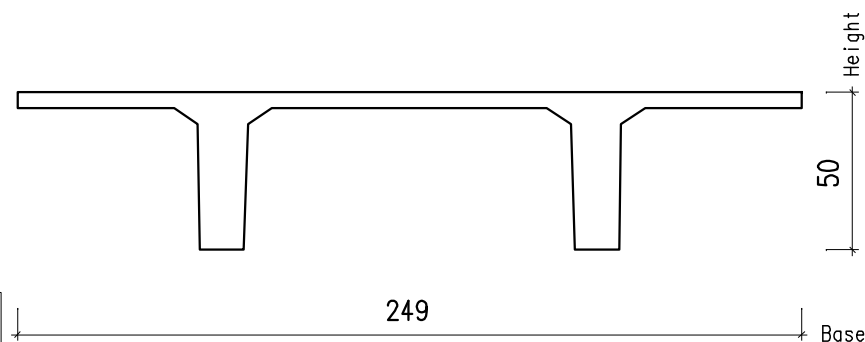
**DURABILITY UNI EN 1992-1-1**  
Design working life Cat.: 0  
Exposure Class:  
Structural Class Concrete: S5  
Steel Recover: Cmin+DC.dev=Cnom 25+5=30mm

**REFERENCE TABLES**  
Tollerances of Product. TVP1  
Tollerances of Reinforc. PRP2  
Withdrawal Strands PRP3

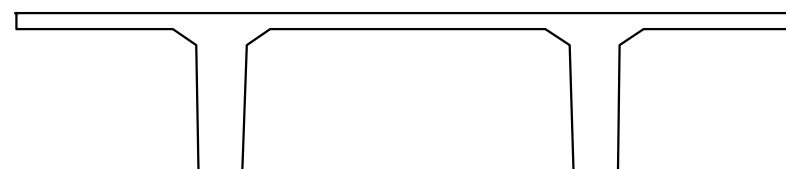
**MATERIALS:**  
Class Concrete: at 28 days C45/55 - Fckj C28/35  
Steel B450C

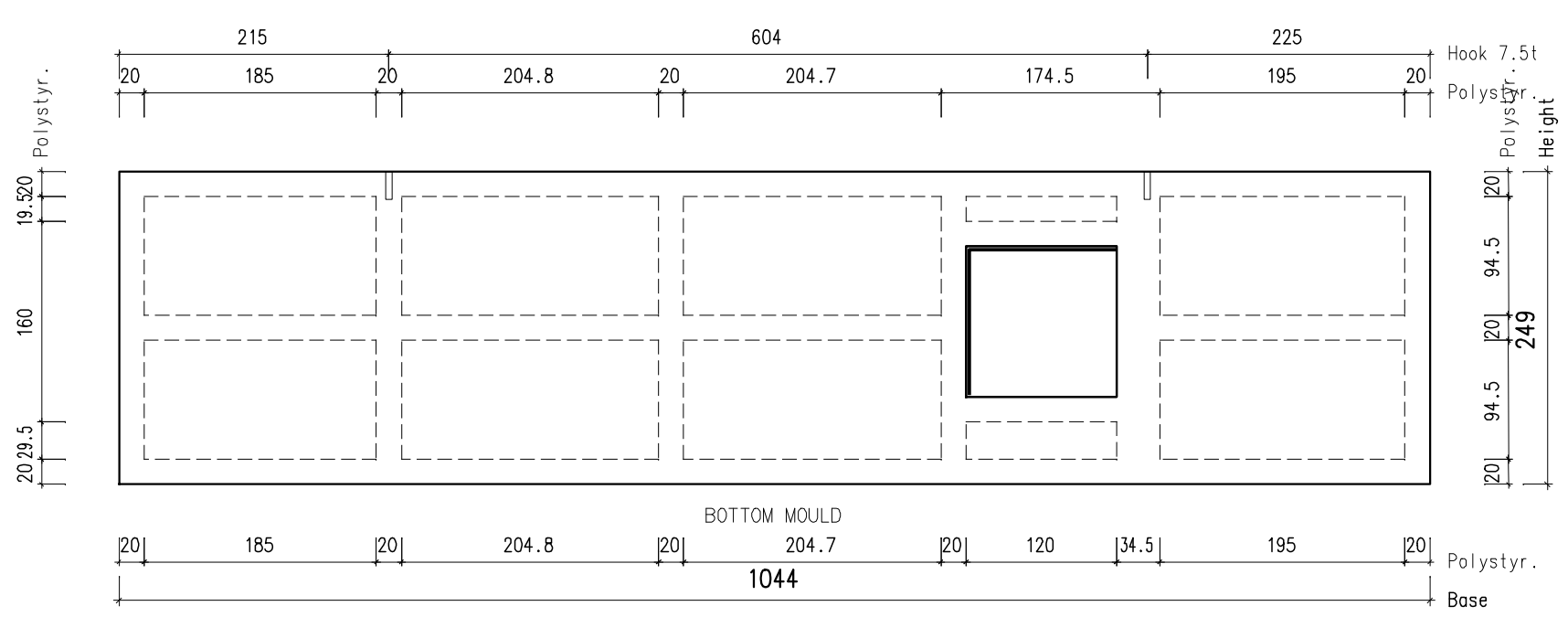
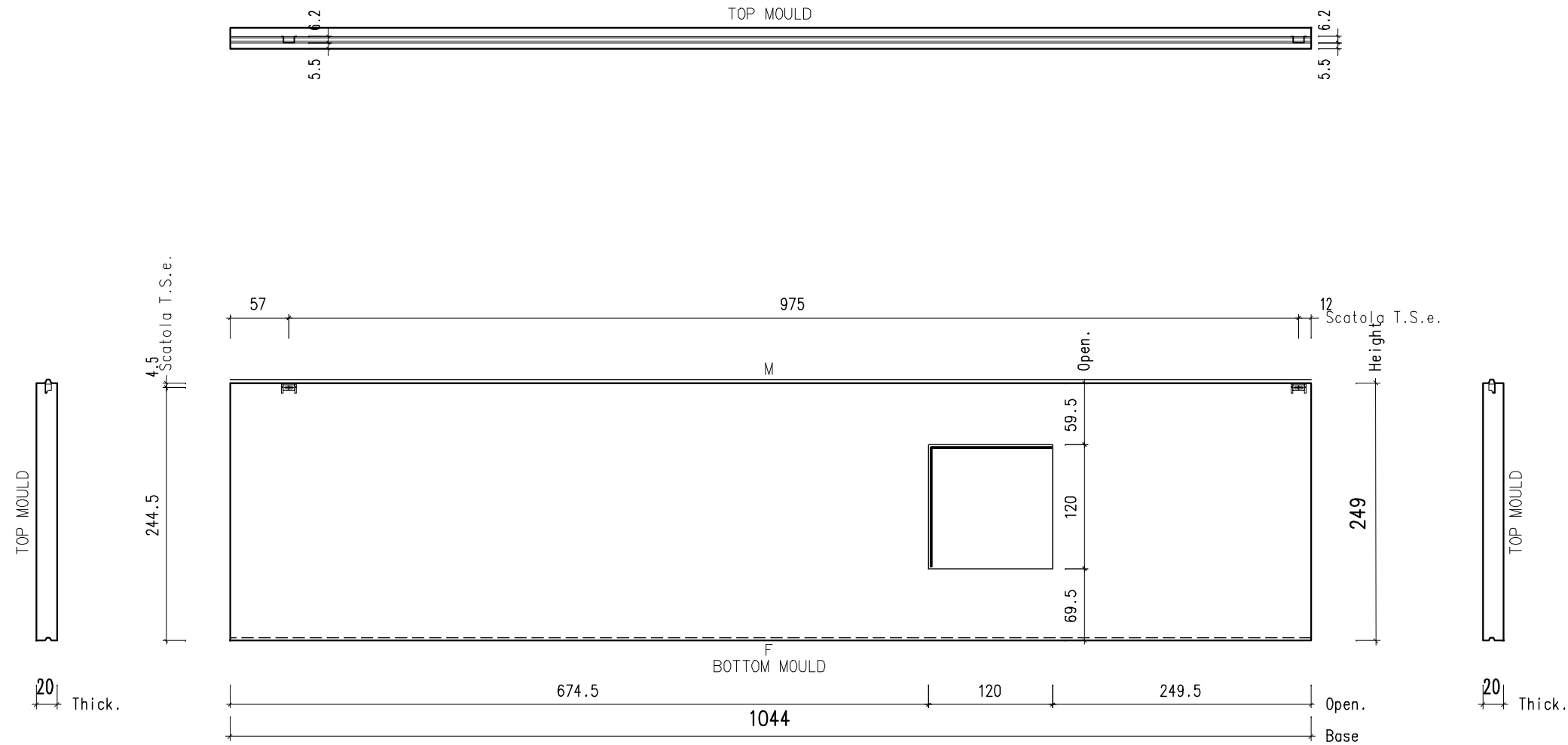
N° Order	Order	Location:		
	DEMO			
Date	Area (m2)	Concrete Vol.(m3)	Weight (t)	
10-04-13	34.79	3.74	9.36	
Code	Number	Fire	Length (cm)	Height (cm)
TT 1	20	/	1397	50
	Recover (cm)	/	Parent	Technical
Page 1 of 2	Gap (cm)	/	TT50_14	Check
				A.D.

T1



T2





LIGHTENINGS		
Typology	Num.	m3
Polystyr. 195x94.5x10cm	2	0.37
Polystyr. 120x29.5x10cm	1	0.04
Polystyr. 120x19.5x10cm	1	0.02
Polystyr. 204.75x94.5x10cm	4	0.77
Polystyr. 185x94.5x10cm	2	0.35
<b>Total</b>	<b>10</b>	<b>1.55</b>

INSERTS	
Typology	Num.
Scatola T.S.e.	2

LIFTINGS	
Bearing capa	Num.
Hook 7.5t	2

**DURABILITY UNI EN 1992-1-1**  
 Design working life Cat.: 0  
 Exposure Class:  
 Structural Class C.crete: S5  
 Steel Recover: Cmin+DC.dev=Cnom 25+5=30mm

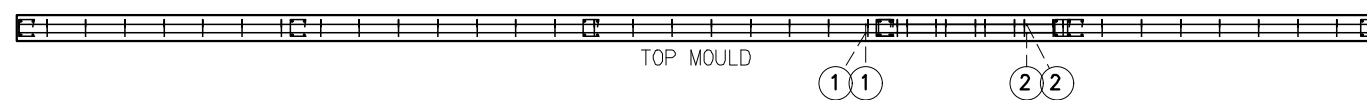
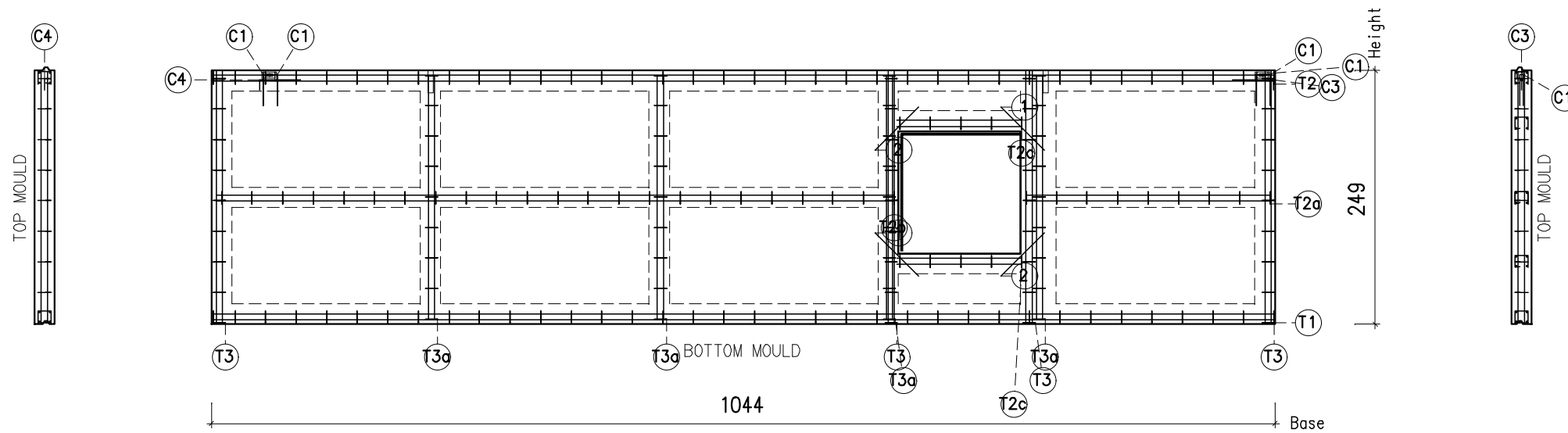
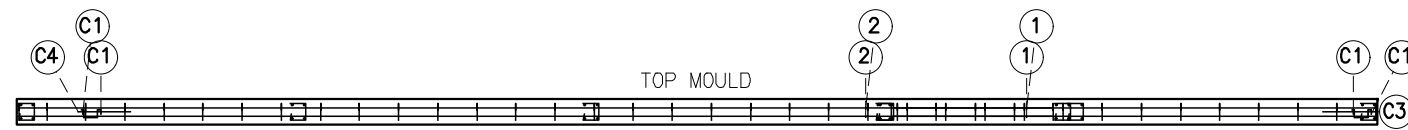
**REFERENCE TABLES**  
 Tollerances of Product. TVP1  
 Tollerances of Reinforc. PRP2

**MATERIALS:**  
 Class Concrete: at 28 days C28/35 - Fckj C12/15  
 Steel B450C  
 Polystyrene density 10 Kg/m3

N° Order	Order	Location:		
	<b>DEMO</b>			
Date	Area (m2)	Concrete Vol.(m3)	Weight (t)	
10-04-13	24.56	3.36	8.40	
Code	Number	Fire	Lenght (cm)	Height (cm)
H3	1	120	1044	249
	Recover(cm)	/	Parent	Technical
Page 1 of 2	U (W/(m2*K))	1.90	PO_20	A.D.

LATTICE							
Pos.	N.	Å/Pas.St	L(cm)St	N/Å Fer.	L(cm)	MOULDING	WEIGHT(Kg)
T1	1	8/30	42	4Ø12	1042		42.81
T2	1	8/30	42	4Ø10	1042		31.52
T2a	1	8/30	42	4Ø10	240		7.24
T2b	1	8/30	42	4Ø10	665		20.06
T2c	2	8/30	42	4Ø10	123		7.38
T3	4	8/30	42	4Ø10	247		29.66
T3a	4	8/30	42	4Ø10	239		28.92
Total							167.58

STEEL						
POS.	N.	Å/Space	L(cm)	MOULDING	WEIGHT(Kg)	
1	8	10	60		2.96	
2	8	10	60		2.96	
C1	4	8	64		1.00	
C3	1	8	50		0.20	
C4	1	8	50		0.20	
Total					7.32	



WIRE NETTING						
POS.	N.	Å/Space	cm	L(cm)	MOULDING	WEIGHT(Kg)
R1	2	5/20	244	1039		80.62
Total						80.61

REFERENCE TABLES  
Tollerances of Product. TVP1  
Tollerances of Reinforc. PRP2

**MATERIALS:**  
Class Concrete: at 28 days C28/35 - Fck; C12/15  
Steel B450C  
Polystyrene density 10 Kg/m<sup>3</sup>

N° Order	Order	Location:		
	DEMO			
Date	Steel Weight (Kg)	Concrete Vol.(m <sup>3</sup> )	Weight (t)	
10-04-13	255.53	3.36	8.40	
Code	Number	Fire	Lenght (cm)	Height (cm)
H3	1	120	1044	249
Recover(cm) /		Parent	Technical	Check
Gap (cm) /		PO_20		A.D.

**PRODUCTION OPTIMIZATION LegoCad - SUMMARY**

10-04-13 - EDM13002 - ESTIMATE 1

<b>COLUMNS-DEMO</b>	<b>A</b>	<b>B</b>	<b>Number</b>	<b>ml</b>	<b>m3(tot)</b>	
P 50x50	50.00	50.00	15	112.500	4.153	
			<b>15</b>	<b>112.500</b>	<b>4.153</b>	
<b>BEAMS-DEMO</b>	<b>Height</b>	<b>Base</b>	<b>Number</b>	<b>ml</b>	<b>m3(tot)</b>	<b>m2(tot)</b>
ALV_6FO	30.00	51.00	2	16.960	1.308	8.600
ALV_6FO	30.00	120.00	24	203.520	36.927	244.200
			<b>26</b>	<b>220.480</b>	<b>38.235</b>	<b>252.800</b>
TLC7030	70.00	70.00	4	27.880	11.431	0.000
TLC7030	80.00	70.00	6	52.820	24.272	0.000
			<b>10</b>	<b>80.700</b>	<b>35.703</b>	<b>0.000</b>
TRC5030	70.00	90.00	2	13.940	6.552	0.000
TRC5030	80.00	90.00	3	26.410	13.708	0.000
			<b>5</b>	<b>40.350</b>	<b>20.260</b>	<b>0.000</b>
TT50_14	50.00	147.00	2	27.940	6.045	41.100
TT50_14	50.00	249.00	20	279.400	74.862	695.700
			<b>22</b>	<b>307.340</b>	<b>80.907</b>	<b>736.800</b>
<b>PANELS-DEMO</b>	<b>Thick</b>	<b>Height</b>	<b>Number</b>	<b>ml</b>	<b>m3(tot)</b>	<b>m2(tot)</b>
PO_20	20.00	249.00	9	80.610	39.855	201.600
			<b>9</b>	<b>80.610</b>	<b>39.855</b>	<b>201.600</b>

**PRODUCTION OPTIMIZATION - COLUMNS-DEMO**

10-04-13 - EDM13002 - ESTIMATE 1

P 50x50	A	B	ml	N.sect	N.cons.	N.break	Downp	Number	m3(tot)	Kg(cad)
P5	50	50	4.3	1	0	0	0	3	0	0
P3	50	50	8.3	1	0	0	0	1	0	0
P1	50	50	8.3	1	0	0	7.2	1	0	0
P1/a	50	50	8.3	1	0	0	7.2	4	0	0
P4/a	50	50	8.3	1	1	0	0	1	0	0
P4	50	50	8.3	1	1	0	0	2	0	0
P2/a	50	50	8.3	1	1	0	7.2	1	0	0
P2	50	50	8.3	1	1	0	7.2	2	4.153	5192
			<b>112.5</b>					<b>15</b>	<b>4.153</b>	

**PRODUCTION OPTIMIZATION - BEAMS-DEMO**

10-04-13 - EDM13002 - ESTIMATE 1

ALV_6FO	Height	Base	ml	Str.1	Str.2	Str.2	Number	m3(tot)	m2(tot)	Kg(cad)
LS2	30	51	7.48	0	0	0	1	0.577	3.8	1442
LS4	30	51	9.48	0	0	0	1	0.731	4.8	1828
LS1	30	120	7.48	0	0	0	12	16.286	107.7	3393
LS3	30	120	9.48	0	0	0	12	20.641	136.5	4300
			<b>220.48</b>				<b>26</b>	<b>38.235</b>	<b>252.9</b>	
TLC7030	Height	Base	ml	Str.1	Str.2	Str.2	Number	m3(tot)	m2(tot)	Kg(cad)
TL4	70	70	6.97	0	0	9	4	11.431	0	7144
TL2	80	70	7.97	0	0	0	1	3.658	0	9145
TL2/a	80	70	7.97	0	0	0	1	3.666	0	9166
TL1	80	70	8.22	0	0	0	1	3.773	0	9433
TL1/a	80	70	8.22	0	0	0	1	3.781	0	9453
TL3/a	80	70	10.22	0	0	0	1	4.701	0	11753
TL3	80	70	10.22	0	0	9	1	4.693	0	11733
			<b>80.7</b>				<b>10</b>	<b>35.703</b>	<b>0</b>	
TRC5030	Height	Base	ml	Str.1	Str.2	Str.2	Number	m3(tot)	m2(tot)	Kg(cad)
TR4	70	90	6.97	0	0	9	2	6.552	0	8190
TR2	80	90	7.97	0	0	9	1	4.136	0	10341
TR1	80	90	8.22	0	0	9	1	4.266	0	10666
TR3	80	90	10.22	0	0	9	1	5.306	0	13266
			<b>40.35</b>				<b>5</b>	<b>20.26</b>	<b>0</b>	
TT50_14	Height	Base	ml	Str.1	Str.2	Str.2	Number	m3(tot)	m2(tot)	Kg(cad)
TT2	50	147	13.97	0	0	0	2	6.045	41.1	7556
TT1	50	249	13.97	0	0	0	20	74.862	695.7	9358
			<b>307.34</b>				<b>22</b>	<b>80.907</b>	<b>736.8</b>	

**PRODUCTION OPTIMIZATION - PANELS-DEMO**

10-04-13 - EDM13002 - ESTIMATE 1

PO_20	Thick	Height	ml	N.ope	Finish -Fin.P2000	Number	m3(tot)	m2(tot)	Kg(cad)	
H2/a	20	249	7.99	0	0	0	1	3.979	20	9948
H2	20	249	7.99	0	0	0	2	7.958	40	9948
H1/a	20	249	8.44	0	0	0	1	4.203	21.1	10508
H1	20	249	8.44	0	0	0	2	8.406	42.2	10508
H4	20	249	10.44	0	0	0	1	5.199	26.1	12998
H4/a	20	249	10.44	0	0	0	1	5.199	26.1	12998
H3	20	249	10.44	1	0	0	1	4.911	26.1	8400
			<b>80.61</b>				<b>9</b>	<b>39.855</b>	<b>201.8</b>	

**PRODUCTION OPTIMIZATION - DESIGN**

10-04-13 - EDM13002 - ESTIMATE 1

	N.Cod	Pieces	m3	m2	Pz/cod	m3/sgl
P 50x50	8	15	4.15	0	1.88	0.52
ALV_6FO	4	26	38.24	252.87	6.5	9.56
TLC7030	7	10	35.7	0	1.43	5.1
TRC5030	4	5	20.26	0	1.25	5.07
TT50_14	2	22	80.91	736.78	11	40.45
PO_20	7	9	39.85	201.75	1.29	5.69
	<b>32</b>	<b>87</b>	<b>219.11</b>	<b>1191.4</b>	<b>2.72</b>	<b>6.85</b>