7.2

Architecture Design

7.2.1

Design Standard

CALCULATION SHEET
GENERAL NOTES

1. Design standards

- TCVN : Vietnamese Standard
- BS : British Standard
- JIS : Japanese Standard
- ASTM : American Standard for Materials

2. Load :

- Load has been calculated based on standard loads defined in TCVN, ASTM. Some special loads has been calculated following the informations provided by the owner and Kirby company. These load to be clarified in below items

a. Gravity :

- Concrete : $\gamma = 2500$ kg/m^3
- Reinforcement $\gamma = 7850$ kg/m^3
- Brick wall $\gamma = 1800$ kg/m^3
- Galvanized sheet $\gamma = 30$ kg/m^2

b. Live load :

Live load has been calculated based on requirements of each items, and it was shown on every calculation sheet

c. Wind load :

- Standard wind load : $q_{tc} = 95$ kg/m^2, in accordance with Vietnamese Standard
- Calculation method of wind load to be shown in every calculation sheet
- When calculation of wind, the designer did not consider dynamic wind load, because height of all items of this project is below 40 meters

d. Water, muddy gravity :

- Water : $\gamma = 1000$ kg/m^3
- Mud : $\gamma = 1950$ kg/m^3

These above load are only considered when calcultion of water tanks with water and mud inside. These water tanks are designed with reinforcement concrete wall and bottom slab, which is enable to bear the water and muddy load

e. Crane load :

- Maximum vertical crane load applying to crane beam has been provided by the owner, and has been shown carefully in every calculation sheet
- Maximum horizontal crane load is unique for all item. It was 5 tons

f. Machine and equipment load :

- Weight of machines and equipments has been taken following the technology and engineering drawings supplied by the owner

g. Safety load factor :

- Safety load factor was not considered in structural calculation

h. Load combinations :

- Load combinations have been shown clearly in every calculation sheet

3. Materials :

- Concrete was used is C210 type (cylinder test) for all items, equivalent to C250 type (cubic test) in Vietnamese Standard
- Properties of C250 concrete :
  * Compressive strength : R_n = 110 kg/cm^2
  * Tensile strength : R_k = 8.8 kg/cm^2
- When consider safety factor k=1.1 (safety load factor was not considered in structural calculation) :
  * Compressive strength : R_n = 100 kg/cm^2
  * Tensile strength : R_k = 8.0 kg/cm^2
- Reinforcement steel bar has been calculated with tensile strength R_s = 2000 kg/cm^2 with a safety factor (according to Japanese Standard)

4. Design and structural analysis softwares :

- SAP2000 : Calculation of stress
- DAS 1.2 : Calculation of stress and design of reinforcement concrete
- Sap Steel V1.0 : Design of reinforcement concrete from SAP2000 result files
- Excel worksheets to be programmed for calculation of reinforcement concrete slab
- Design of reinforcement concrete was in accordance with Japanese Standard, with material properties shown on item 3

7.2.2

Lift Pumping Station

PROJECT : WASTE WATER TREATMENT PLANT

ITEM : LIFT PUMPING STATION

STRUCTURAL CALCULATION SHEET

STRUCTURAL ANALYSIS ITEMS :

A. MAIN FRAME STRUCTURAL ANALYSIS

B. ATTACHED RESULT SHEETS

STRUCTURAL CALCULATION SHEET

* **Project :** Wastewater Treatment Plant

* **Item :** Lift Pumping Station

Part I : CALCULATION OF LOAD

A. DEAD LOAD :

- **Roof Floor :**

No.	Material	Calculation	Applying load(kg/m^2)
1	Steel purlin, metal roof sheet		30
		TOTAL	g^{tc}= 30 kg/m^2

B. LIVE LOAD :

- Live load to be taken based on Vietnamese Standard TCVN 2737-1995 :

  * Roof : p^{tc} = 75 kg/m^2

- Load safety factor was not mentioned on above calculation because it will be included in structural analysis progress (see attached calculation sheet)

- Uniform load applying to beam to be shown on attached calculation sheet

C. WIND LOAD :

- Wind load imposed on project to be calculated based on Vietnamese Standard TCVN 2737-1995

- Wind load is calculated as follows :

  W^{tc} = nxW^{tc}_oxkxC, where :

  n : load safety factor, taken as n=1

  W^{tc}_o : standard wind pressure, area IIA, W_o^{tc} = 83 kg/m^2

  k : factor due to affect of project height and topography

  C : factor of dynamic wind , C=0.8 for the area where wind load imposes directly, C=0.6 for the opposite side

  - Refer to calculation sheet for further informations

D. CRANE :

- Vertical load of crane :

  P_{crane} = 10 T

Part II : STRUCTURAL ANALYSIS PROGRESS

- The structure of Lift Pumping Station to be calculated by structural analysis program SAP2000
- The structural diagram is modelled as a frame with rigid connection at first floor elevation
- All details about input load, beam and column section, static load case and load combination to be shown on calculation sheet
- Refer to attached result sheets for calcaluted value of stress, displacement, steel area for beam and column elements

Part III : LOAD COMBINATION

- **Static Load Cases :**

Load case mark	Description
DEAD	Roof dead load
LIVE	Roof live load
LWIND	Wind load (along X axis, from left)
RWIND	Wind load (along X axis, from right)
CRANE	Loadding of crane

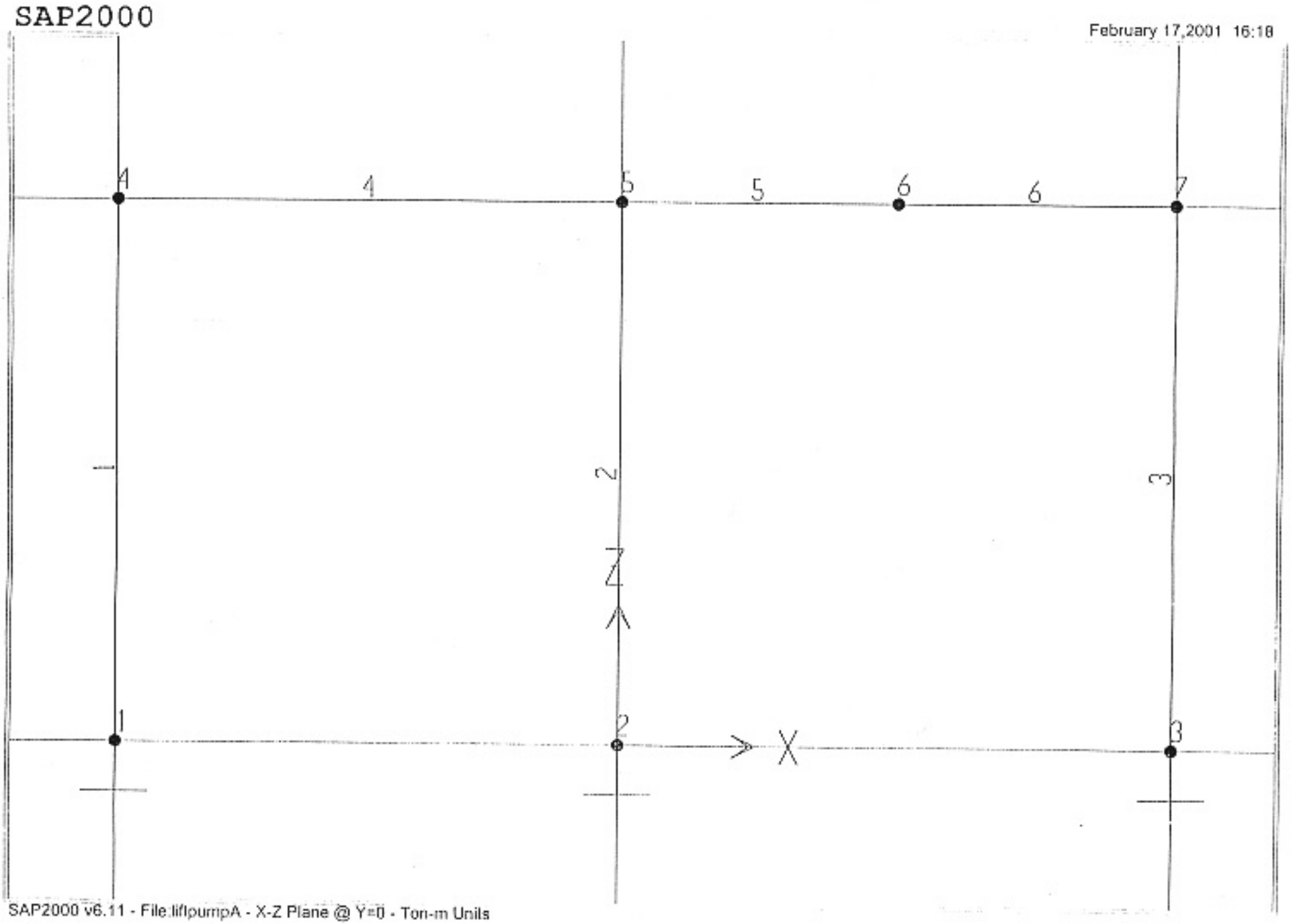
- **Load Combination**

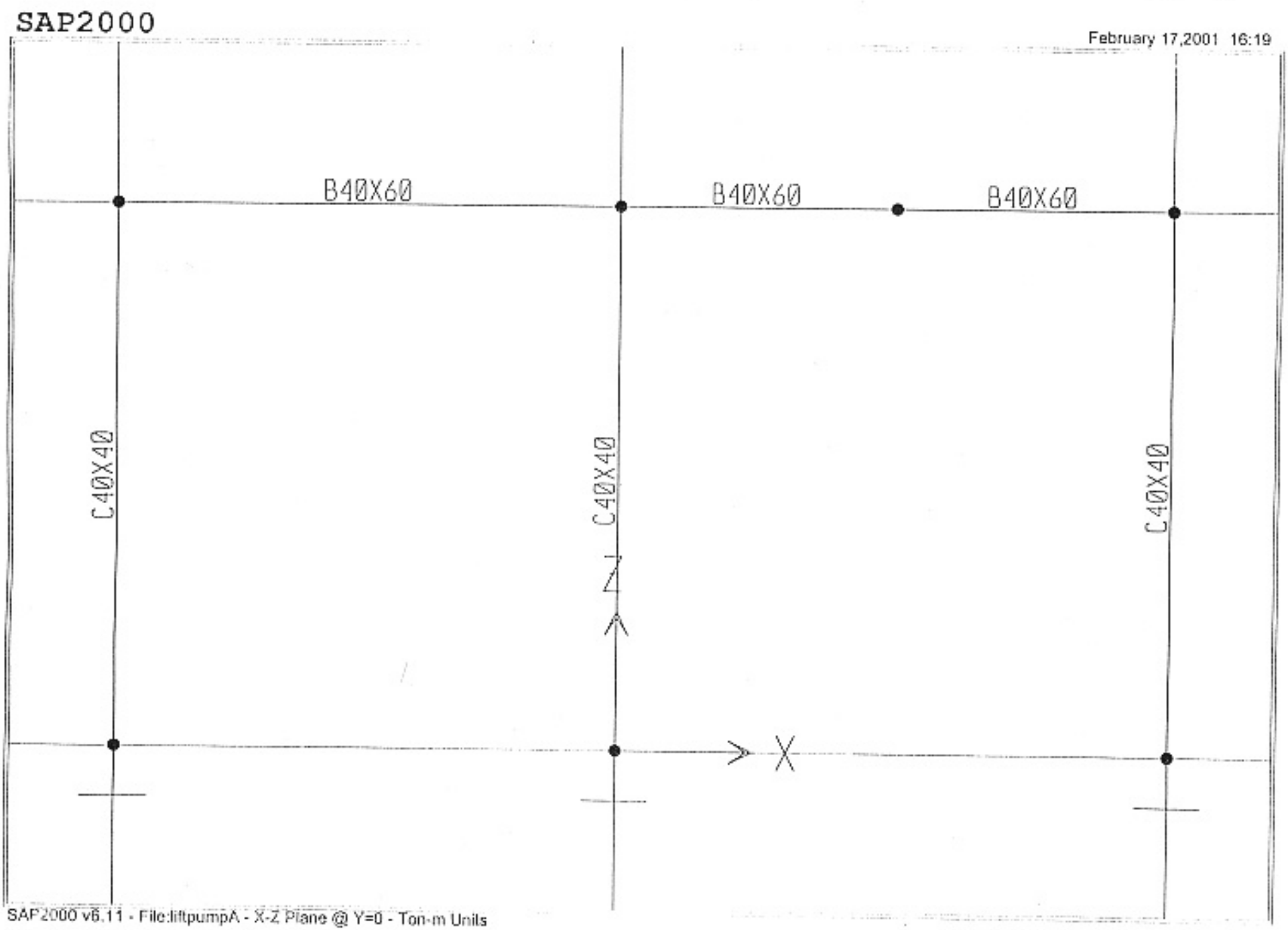
Load combination	Description
COMB1	DEAD+LIVE+LWIND+CRANE
COMB2	DEAD+LIVE+RWIND+CRANE
COMB3	Envelop value of above combinations

PROJECT : WASTE WATER TREATMENT PLANT

ITEM : LIFT PUMPING STATION

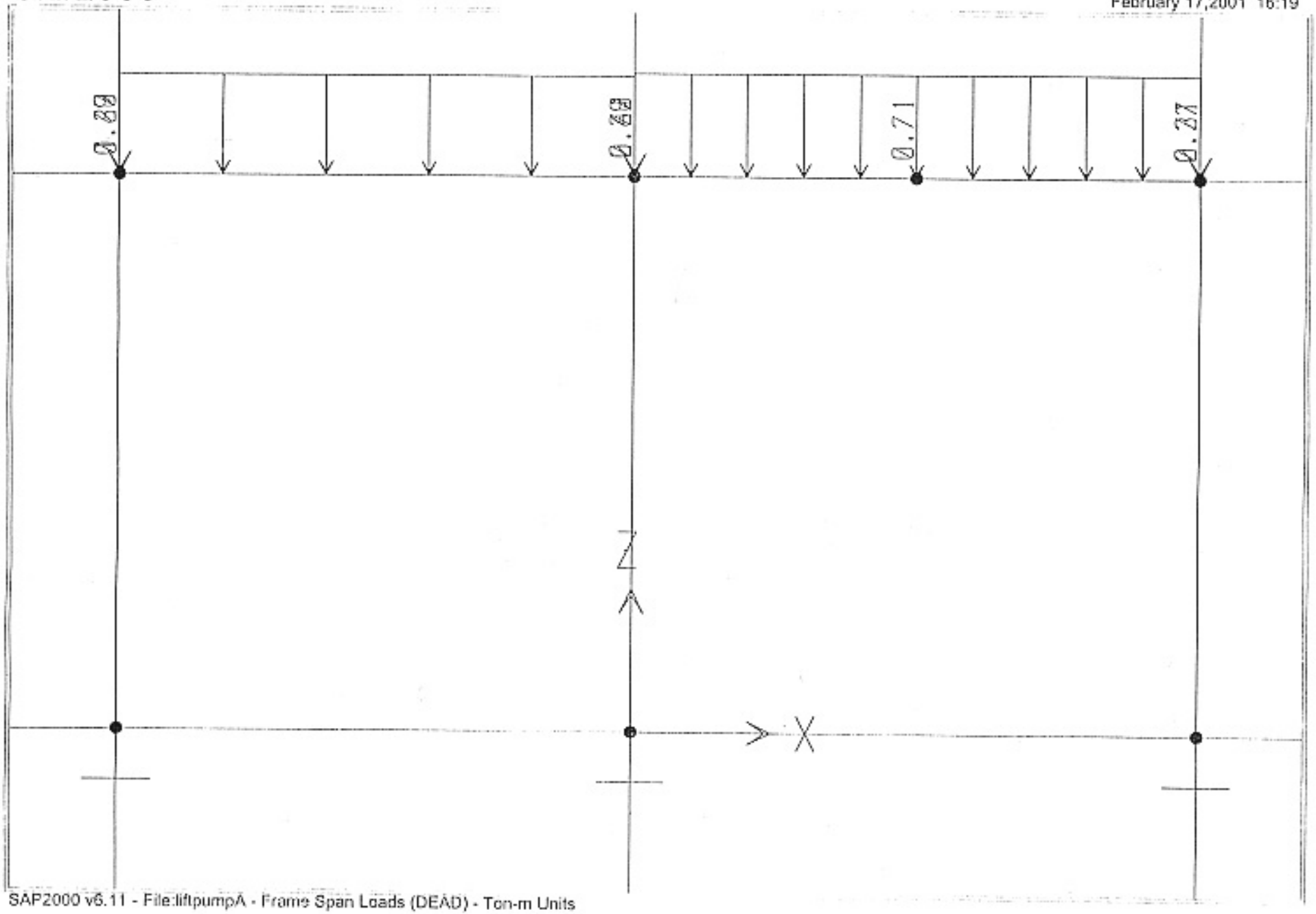
RESULT SHEETS


SAP2000
February 17,2001 16:18
4
4
5
5
6
6
7
1
2
3
Z
X
1
2
3
SAP2000 v6.11 - File:lif\pumpA - X-Z Plane @ Y=0 - Ton-m Units

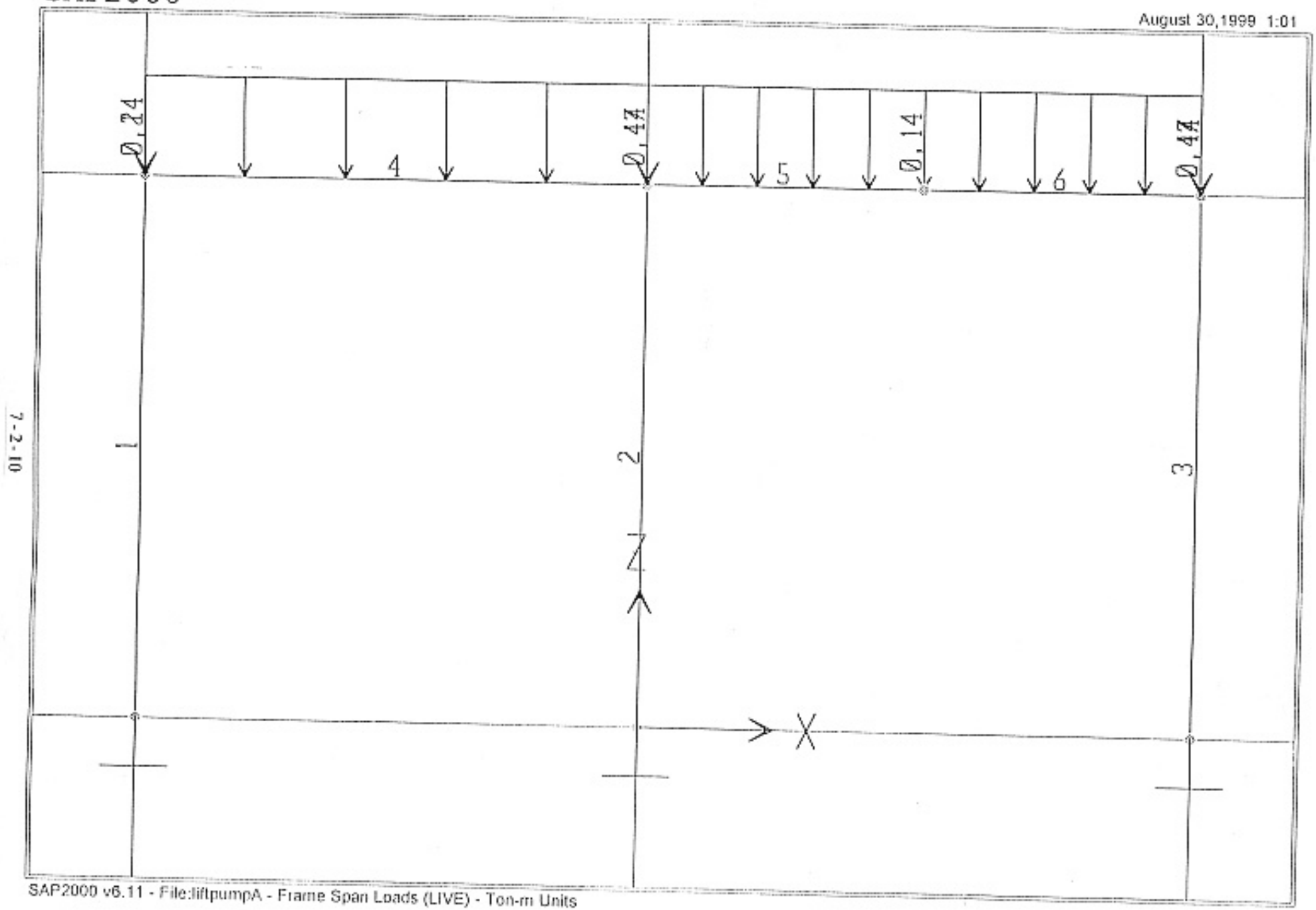

SAP2000
February 17,2001 16:19
B40X60
B40X60
B40X60
C40X40
C40X40
C40X40
SAP2000 v6.11 - File:liftpumpA - X-Z Plane @ Y=0 - Ton-m Units

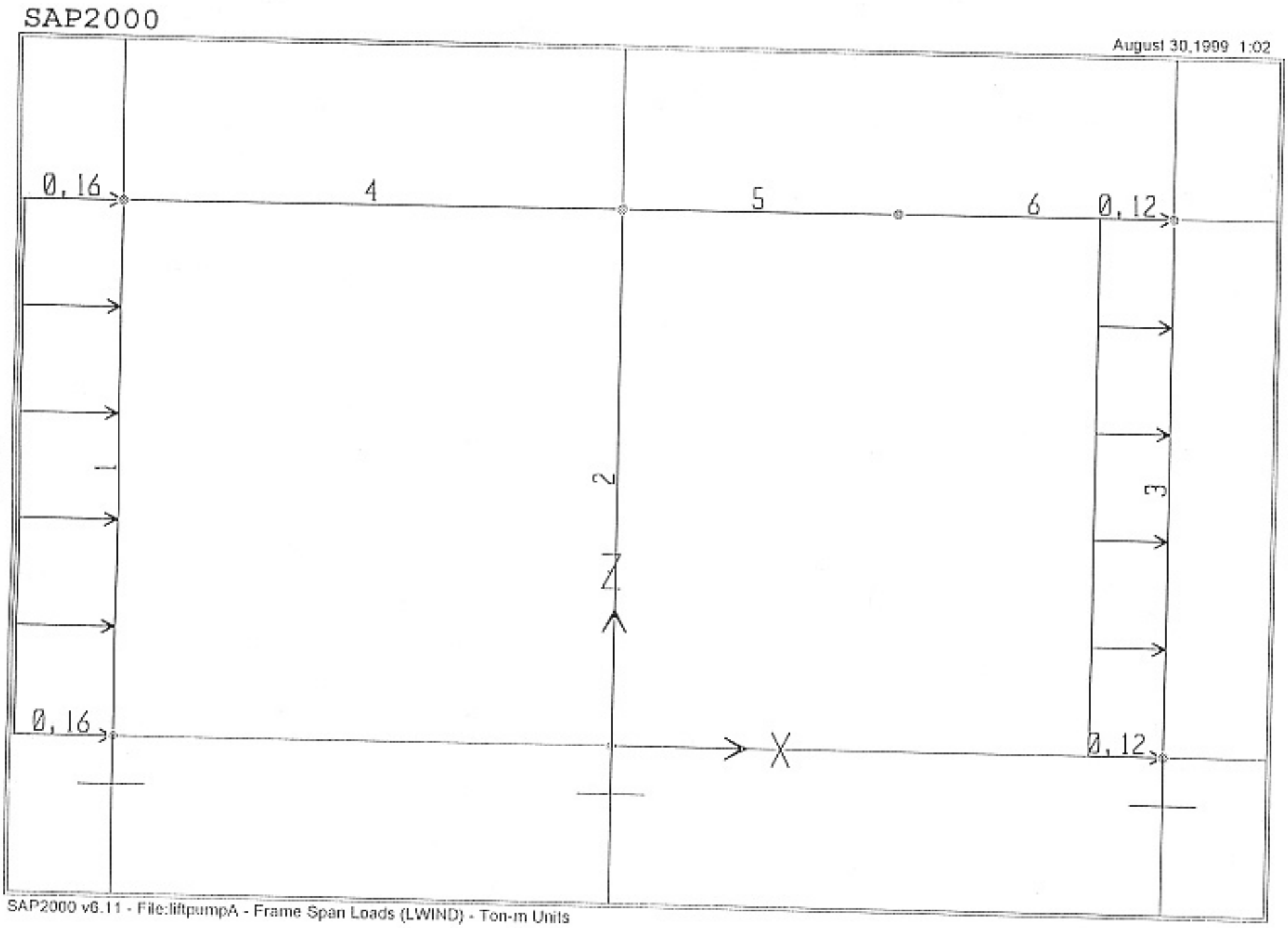
SAP2000

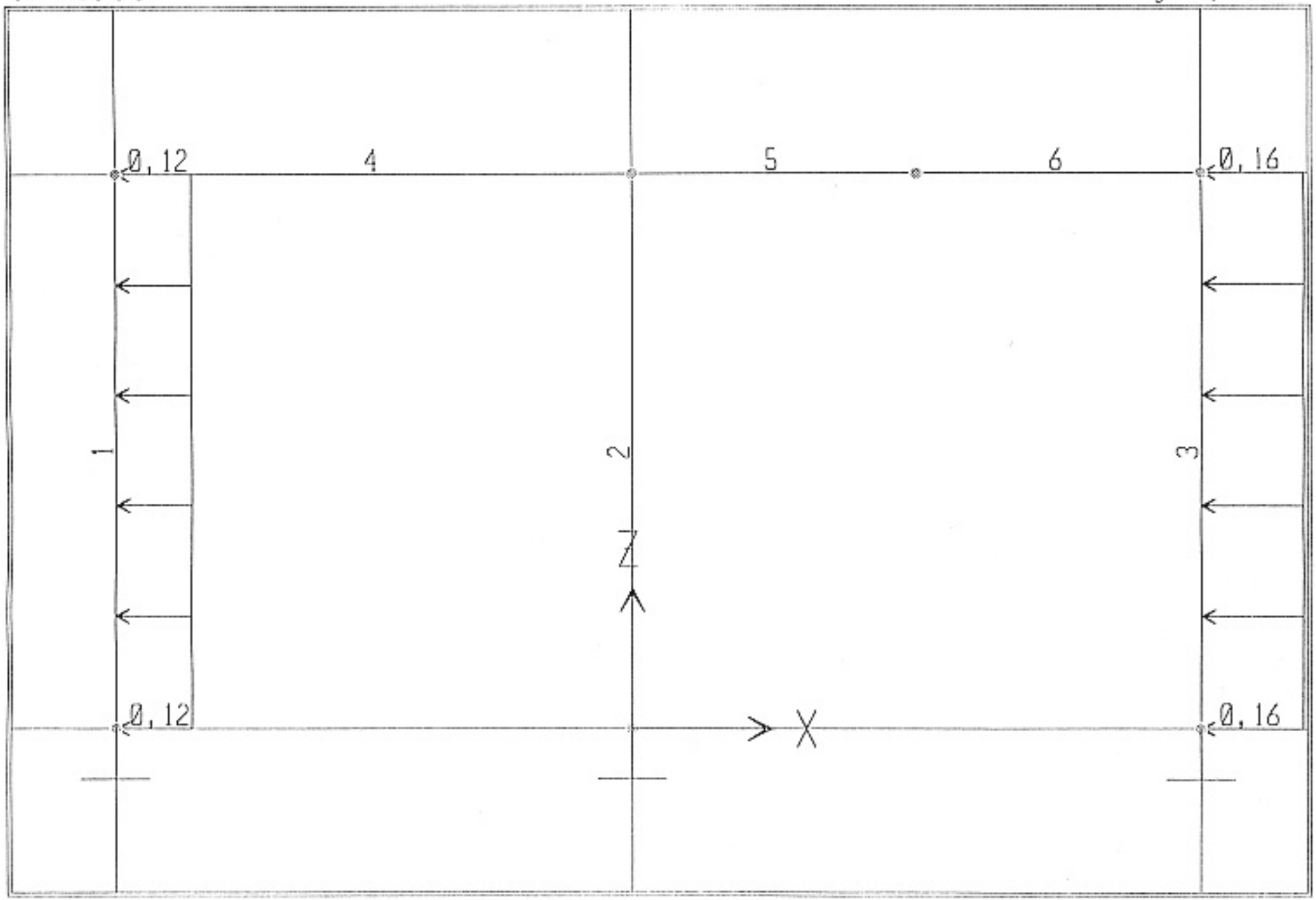
February 17,2001 16:19



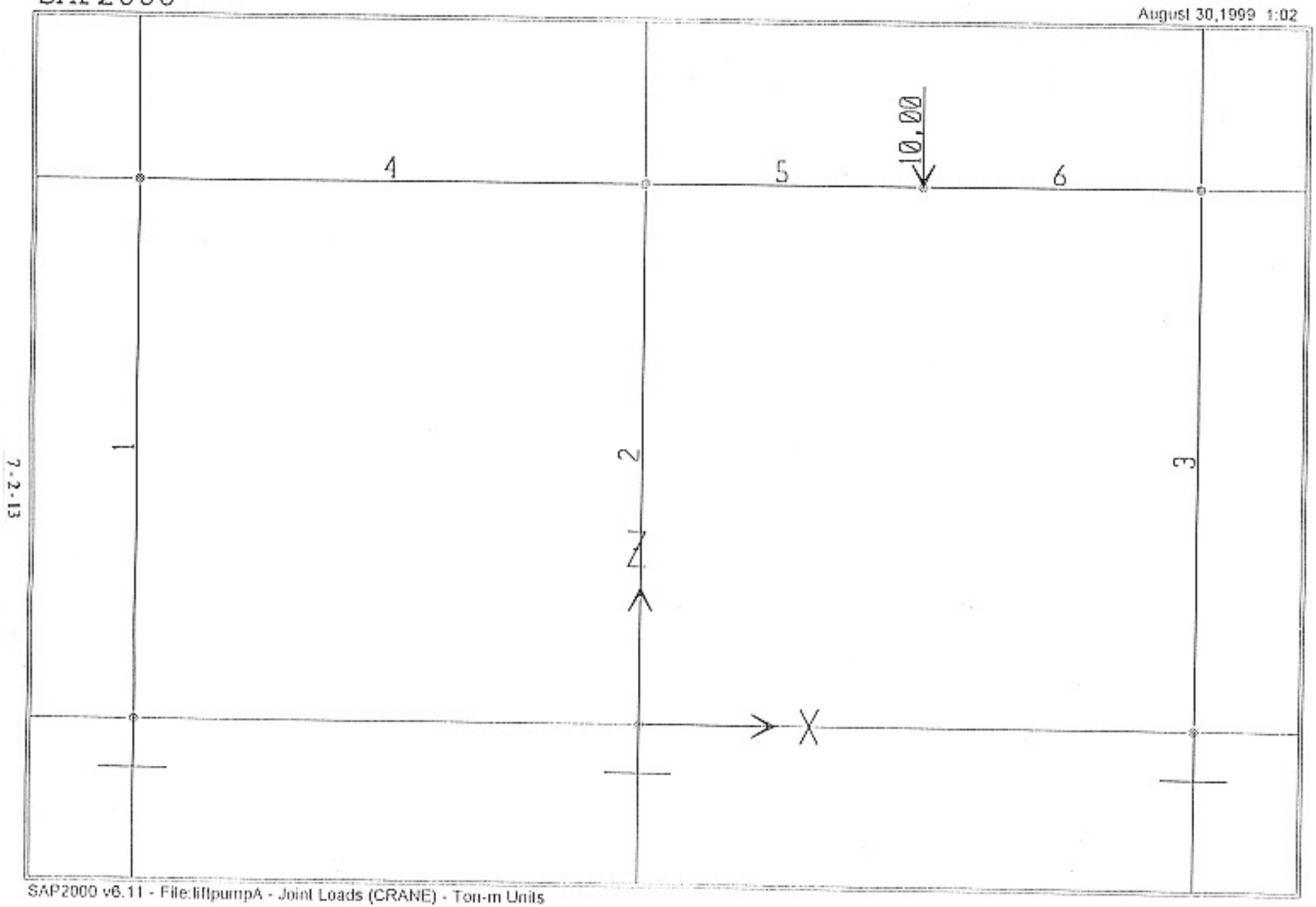
SAP2000 v6.11 - File:liftpumpA - Frame Span Loads (DEAD) - Ton-m Units


SAP2000
August 30,1999 1:01
0.24
4
0.44
5
0.14
6
0.44
1
2
3
7-2-10
SAP2000 v6.11 - File:liftpumpA - Frame Span Loads (LIVE) - Ton-m Units


SAP2000
August 30,1999 1:02
0,16
4
5
6
0,12
1
2
3
Z
Y
X
0,16
0,12
7-2-11
SAP2000 v6.11 - File:liftpumpA - Frame Span Loads (LWIND) - Ton-m Units

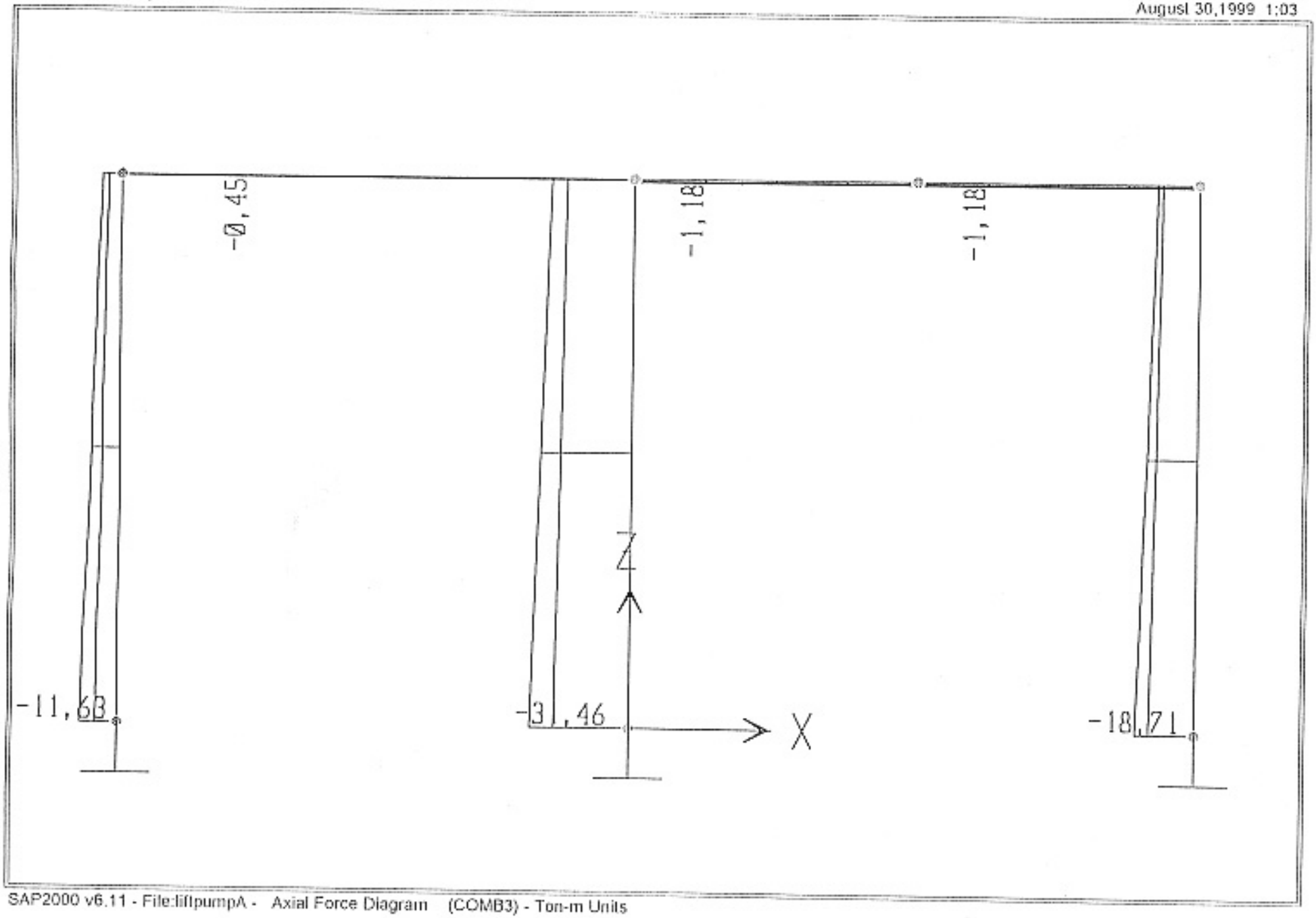


7-2-12


SAP2000
August 30,1999 1:02
4
5
6
10,00
1
2
3
7-2-13
SAP2000 v6.11 - File:liftpumpA - Joint Loads (CRANE) - Ton-m Units

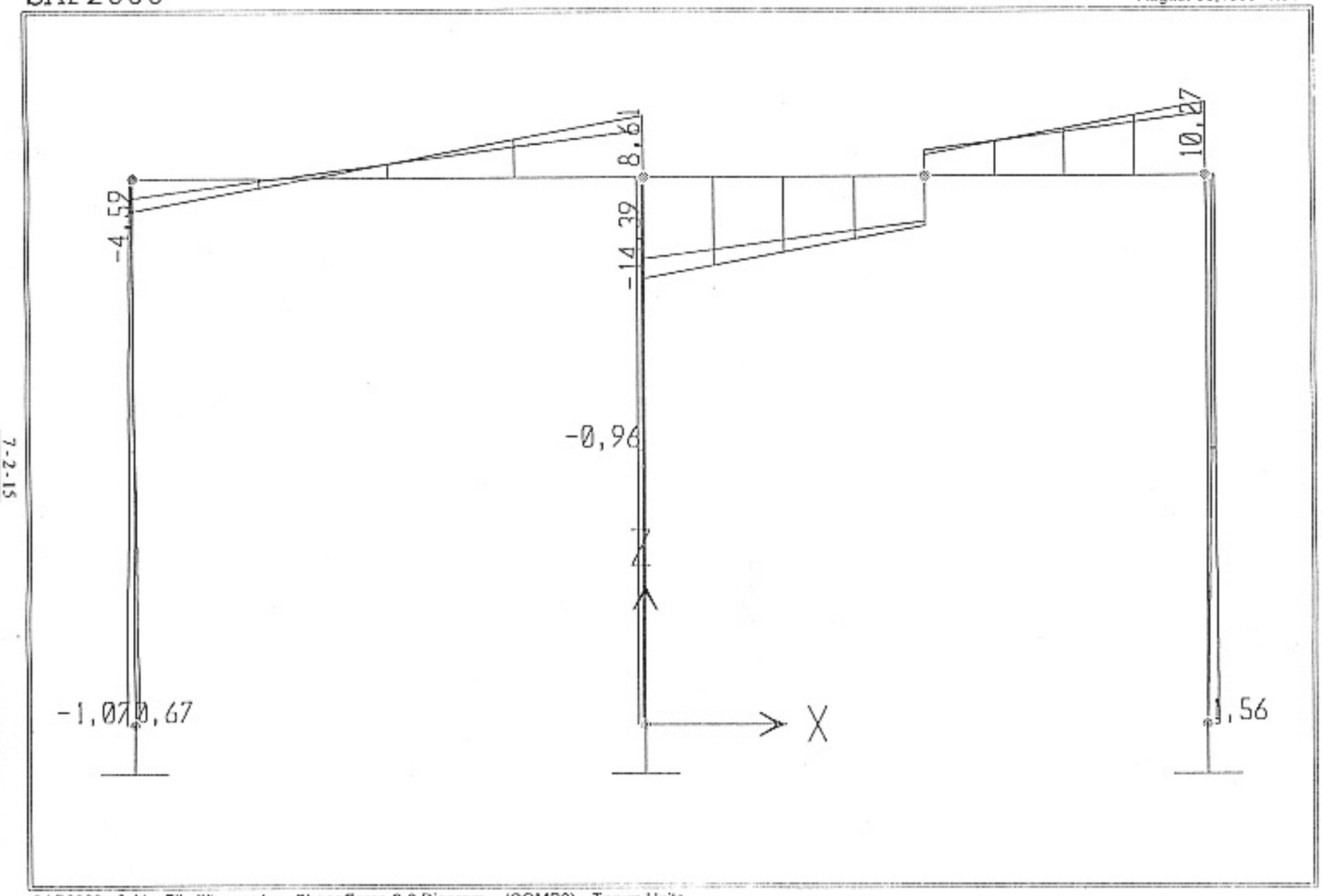
SAP2000

August 30,1999 1:03



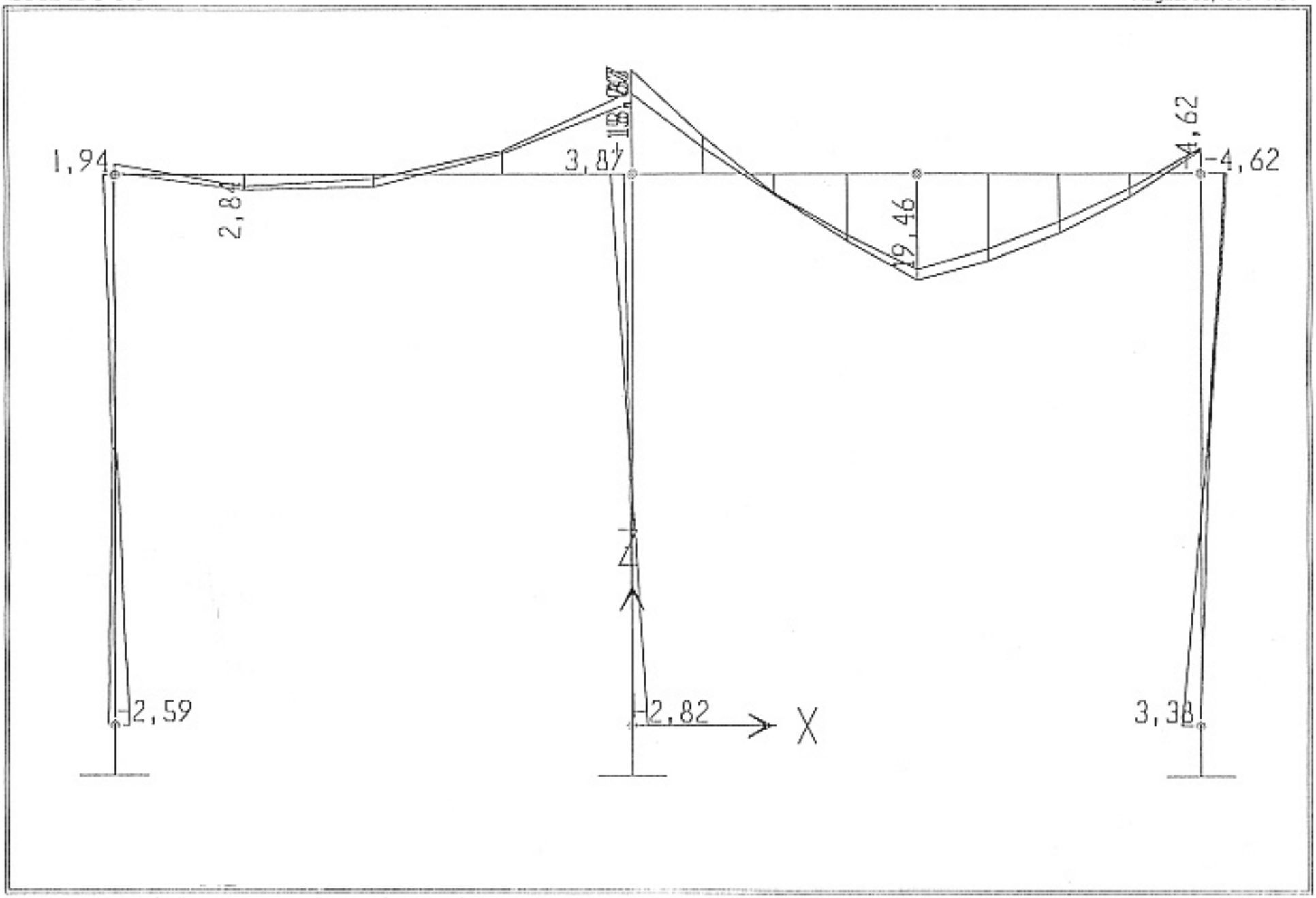
7-2-14

SAP2000 v6.11 - File:liftpumpA - Axial Force Diagram (COMB3) - Ton-m Units



7-2-15

SAP2000 v6.11 - File:liftpumpA - Shear Force 2-2 Diagram (COMB3) - Ton-m Units



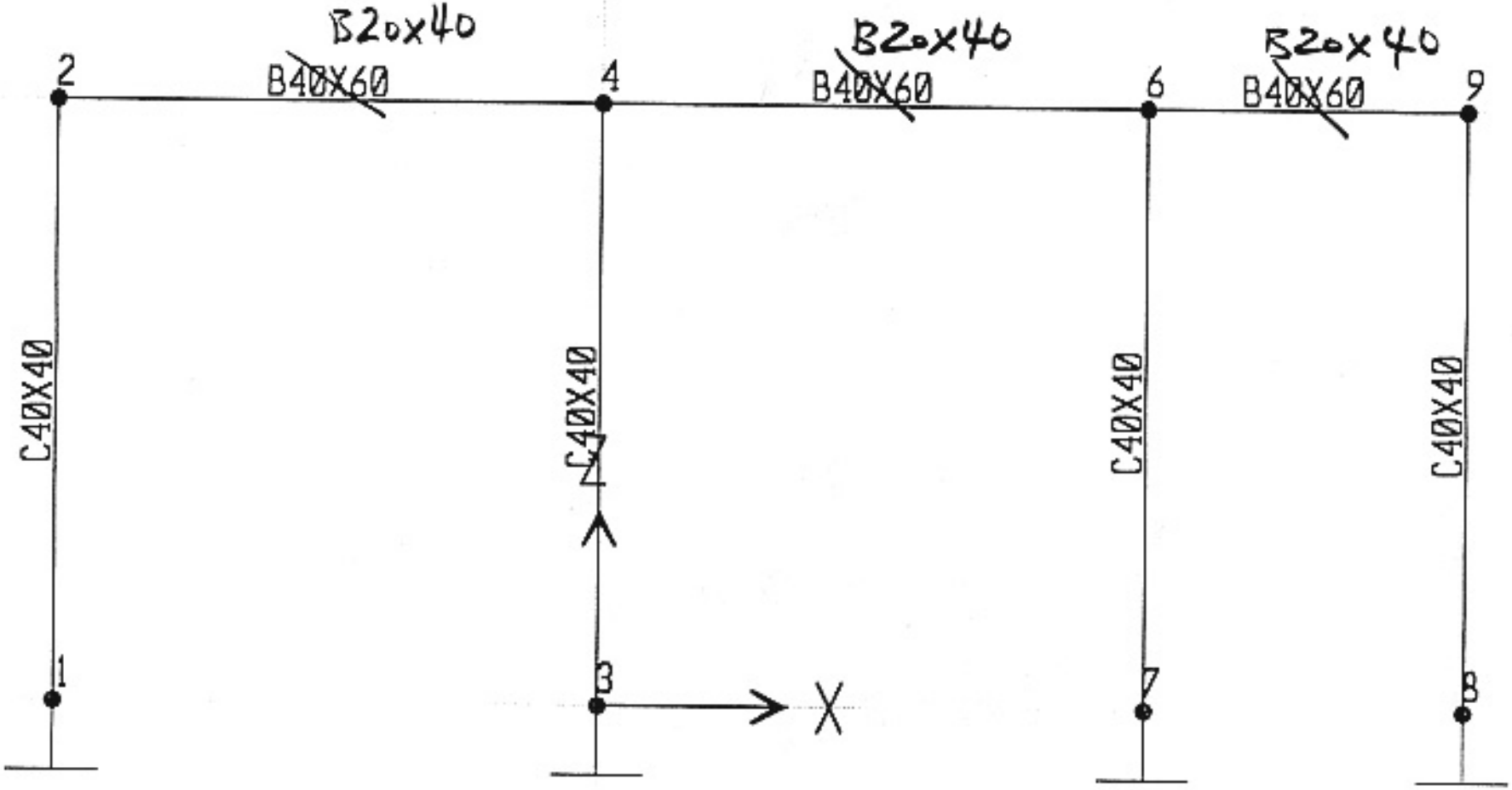
7-2-16

SAP2000 v6.11 - File:liftpumpA - Moment 3-3 Diagram (COMB3) - Ton-m Units

SAPSTEEL V 1.2 - COPYRIGHT@2000 BY CIDECO
WRITTEN BY NGUYEN TRUONG THANH

REINFORCEMENT RESULT FOR FILE : Liftpumping.txt
FORCE UNIT : Ton
LENGTH UNIT : m
Eb = 240000.00
Rb = 100.00
Rk = 8.00
Ra = 2000.00

ID	SEC	FA-2	MUY-2	STIRR-2	FA-3	MUY-3	STIRR-3
1	0.00	2.88	0.40	*CHECKOK	2.88	0.40	*CHECKOK
1	0.00	2.88	0.40	*CHECKOK	2.88	0.40	*CHECKOK
1	3.50	2.88	0.40	*CHECKOK	2.88	0.40	*CHECKOK
1	3.50	2.88	0.40	*CHECKOK	2.88	0.40	*CHECKOK
1	7.00	2.88	0.40	*CHECKOK	2.88	0.40	*CHECKOK
1	7.00	2.88	0.40	*CHECKOK	2.88	0.40	*CHECKOK
2	0.00	2.88	0.40	*CHECKOK	2.88	0.40	*CHECKOK
2	0.00	2.88	0.40	*CHECKOK	2.88	0.40	*CHECKOK
2	3.50	2.88	0.40	*CHECKOK	2.88	0.40	*CHECKOK
2	3.50	2.88	0.40	*CHECKOK	2.88	0.40	*CHECKOK
2	7.00	2.88	0.40	*CHECKOK	2.88	0.40	*CHECKOK
2	7.00	2.88	0.40	*CHECKOK	2.88	0.40	*CHECKOK
3	0.00	2.88	0.40	*CHECKOK	2.88	0.40	*CHECKOK
3	0.00	2.88	0.40	*CHECKOK	2.88	0.40	*CHECKOK
3	3.50	2.88	0.40	*CHECKOK	2.88	0.40	*CHECKOK
3	3.50	2.88	0.40	*CHECKOK	2.88	0.40	*CHECKOK
3	7.00	2.88	0.40	*CHECKOK	4.51	0.63	*CHECKOK
3	7.00	2.88	0.40	*CHECKOK	4.51	0.63	*CHECKOK
4	0.00	1.08	0.05	Þ6a150/3	-1.08	0.05	Þ6a200/3
4	0.00	1.08	0.05	Þ6a150/3	-1.08	0.05	Þ6a200/3
4	1.63	1.08	0.05	Þ6a150/3	2.66	0.12	Þ6a200/3
4	1.63	1.08	0.05	Þ6a150/3	2.66	0.12	Þ6a200/3
4	3.25	1.08	0.05	Þ6a150/3	2.10	0.10	Þ6a200/3
4	3.25	1.08	0.05	Þ6a150/3	2.10	0.10	Þ6a200/3
4	4.88	1.08	0.05	Þ6a150/3	-3.47	0.16	Þ6a200/3
4	4.88	1.08	0.05	Þ6a150/3	-3.47	0.16	Þ6a200/3
4	6.50	1.08	0.05	Þ6a150/3	-12.84	0.59	Þ6a200/3
4	6.50	1.08	0.05	Þ6a150/3	-12.84	0.59	Þ6a200/3
5	0.00	1.08	0.05	Þ6a150/3	-14.46	0.67	Þ6a200/3
5	0.00	1.08	0.05	Þ6a150/3	-14.46	0.67	Þ6a200/3
5	0.89	1.08	0.05	Þ6a150/3	-4.54	0.21	Þ6a200/3
5	0.89	1.08	0.05	Þ6a150/3	-4.54	0.21	Þ6a200/3
5	1.79	1.08	0.05	Þ6a150/3	3.58	0.17	Þ6a200/3
5	1.79	1.08	0.05	Þ6a150/3	3.58	0.17	Þ6a200/3
5	2.68	1.08	0.05	Þ6a150/3	12.09	0.56	Þ6a200/3
5	2.68	1.08	0.05	Þ6a150/3	12.09	0.56	Þ6a200/3
5	3.58	1.08	0.05	Þ6a150/3	19.84	0.92	Þ6a200/3
5	3.58	1.08	0.05	Þ6a150/3	19.84	0.92	Þ6a200/3
6	0.00	1.08	0.05	Þ6a150/3	19.84	0.92	Þ6a200/3
6	0.00	1.08	0.05	Þ6a150/3	19.84	0.92	Þ6a200/3
6	0.89	1.08	0.05	Þ6a150/3	16.01	0.74	Þ6a200/3
6	0.89	1.08	0.05	Þ6a150/3	16.01	0.74	Þ6a200/3
6	1.79	1.08	0.05	Þ6a150/3	10.63	0.49	Þ6a200/3
6	1.79	1.08	0.05	Þ6a150/3	10.63	0.49	Þ6a200/3
6	2.68	1.08	0.05	Þ6a150/3	3.96	0.18	Þ6a200/3
6	2.68	1.08	0.05	Þ6a150/3	3.96	0.18	Þ6a200/3
6	3.58	1.08	0.05	Þ6a150/3	-3.93	0.18	Þ6a200/3
6	3.58	1.08	0.05	Þ6a150/3	-3.93	0.18	Þ6a200/3


B20x40
B40X60
B20x40
B40X60
B20x40
B40X60
2
4
6
9
C40X40
C40X40
C40X40
C40X40
1
3
7
8
X

7-2-18

SAP2000 v6.11 File: LIFTPUMPA Ton-m Units PAGE 1
November 17, 2000 20:10

L O A D C O M B I N A T I O N M U L T I P L I E R S

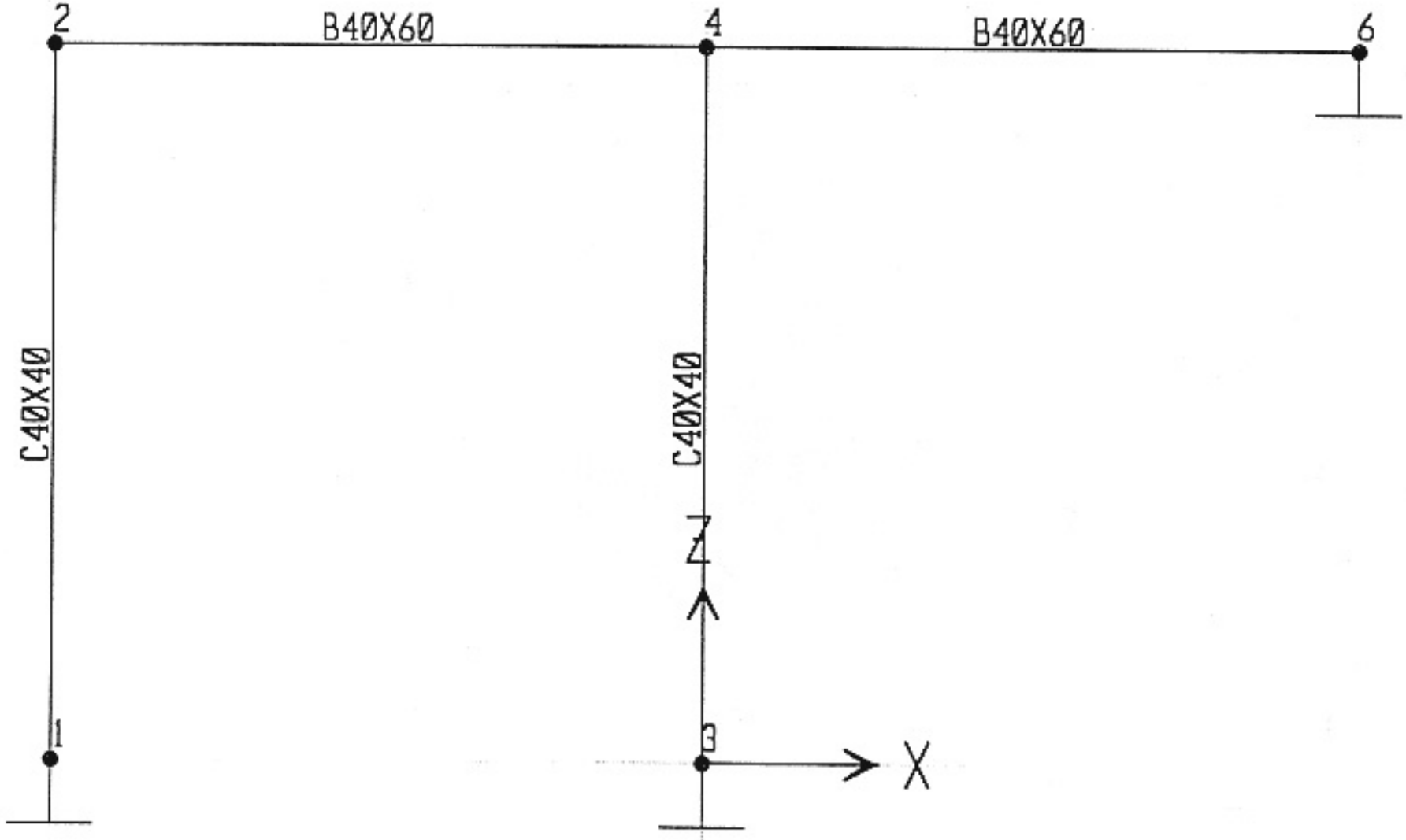
COMBO	TYPE	CASE	FACTOR	TYPE	TITLE
COMB3	ENVE				COMB3
		COMB1	1.0000	COMBO	
		COMB2	1.0000	COMBO	

SAP2000 v6.11 File: LIFTPUMPA Ton-m Units PAGE 2
November 17, 2000 20:10

J O I N T R E A C T I O N S

JOINT	LOAD	F1	F2	F3	M1	M2	M3
1	COMB3 MAX	0.9997	0.0000	12.6108	0.0000	2.0868	0.0000
1	COMB3 MIN	-0.5767	0.0000	7.9910	0.0000	-1.0313	0.0000
3	COMB3 MAX	0.1501	0.0000	23.4127	0.0000	0.5997	0.0000
3	COMB3 MIN	-0.2975	0.0000	16.1804	0.0000	-1.0289	0.0000
7	COMB3 MAX	0.0913	0.0000	19.0273	0.0000	0.4639	0.0000
7	COMB3 MIN	-0.3537	0.0000	12.8139	0.0000	-1.1588	0.0000
8	COMB3 MAX	0.7189	0.0000	9.0312	0.0000	1.2745	0.0000
8	COMB3 MIN	-0.7322	0.0000	5.8166	0.0000	-1.5526	0.0000

7-2-19


2
B40X60
4
B40X60
6
C40X40
C40X40
Z
1
3
X

SAP2000 v6.11 File: LIFTPUMPB Ton-m Units PAGE 1
November 17, 2000 20:12

L O A D C O M B I N A T I O N M U L T I P L I E R S

COMBO	TYPE	CASE	FACTOR	TYPE	TITLE
COMB1	ADD				COMB1
		DEAD	1.0000	STATIC(DEAD)	
		LIVE	1.0000	STATIC(DEAD)	
		LWIND	1.0000	STATIC(DEAD)	

SAP2000 v6.11 File: LIFTPUMPB Ton-m Units PAGE 2
November 17, 2000 20:12

J O I N T R E A C T I O N S

JOINT	LOAD	F1	F2	F3	M1	M2	M3
1	COMB1	-0.7339	0.0000	11.5916	0.0000	-0.4571	0.0000
3	COMB1	-0.0863	0.0000	23.2720	0.0000	-0.2036	0.0000
6	COMB1	-1.3497	0.0000	7.2514	0.0000	8.1516	0.0000

7-2-21

7.2.3

Chlorination Storage Building

PROJECT : WASTE WATER TREATMENT PLANT

ITEM : CHLORINATION STORAGE BUILDING : 2

STRUCTURAL CALCULATION SHEET

STRUCTURAL ANALYSIS ITEMS :

A. MAIN FRAME STRUCTURAL ANALYSIS

B. ATTACHED RESULT SHEETS

STRUCTURAL CALCULATION SHEET

* Project : Wastewater Treatment Plant

* Item : Chlorination Storage Building

Part I : CALCULATION OF LOAD

A. DEAD LOAD :

- Roof Floor :

No.	Material	Calculation	Applying load(kg/m^2)
1	Steel purlin, metal roof sheet		30
		TOTAL	g^{tc}= 30 kg/m^2

B. LIVE LOAD :

- Live load to be taken based on Vietnamese Standard TCVN 2737-1995 :

  * Roof : p^{tc} = 75 kg/m^2

- Load safety factor was not mentioned on above calculation because it will be included in structural analysis progress (see attached calculation sheet)
- Uniform load applying to beam to be shown on attached calculation sheet

C. WIND LOAD :

- Wind load imposed on project to be calculated based on Vietnamese Standard TCVN 2737-1995
- Wind load is calculated as follows :

  $W^{tc} = nxW^{tc}_0xkxC$, where :

  n : load safety factor, taken as n=1

  W^{tc}_0 : standard wind pressure, area IIA, W_0^{tc} = 83 kg/m^2

  k : factor due to affect of project height and topography

  C : factor of dynamic wind , C=0.8 for the area where wind load imposes directly, C=0.6 for the opposite side

  - Refer to calculation sheet for further informations

Part II : STRUCTURAL ANALYSIS PROGRESS

- The structure of Chlorination Storage Building to be calculated by structural analysis program SAP2000
- The structural diagram is modelled as a frame with rigid connection at first floor elevation
- All details about input load, beam and column section, static load case and load combination to be shown on calculation sheet
- Refer to attached result sheets for calcaluted value of stress, displacement, steel area for beam and column elements

Part III : LOAD COMBINATION

1. Main frame at grid 1~3

- **Static Load Cases :**

Load case mark	Description
DEAD	Roof dead load
LIVE	Roof live load
LWIND	Wind load (along X axis, from left)

- **Load Combination**

Load combination	Description
COMB1	DEAD+LIVE+LWIND

2. Main frame at grid 4~6

- **Static Load Cases :**

Load case mark	Description
DEAD	Roof dead load
LIVE	Roof live load
LWIND	Wind load (along X axis, from left)
RWIND	Wind load (along X axis, from right)

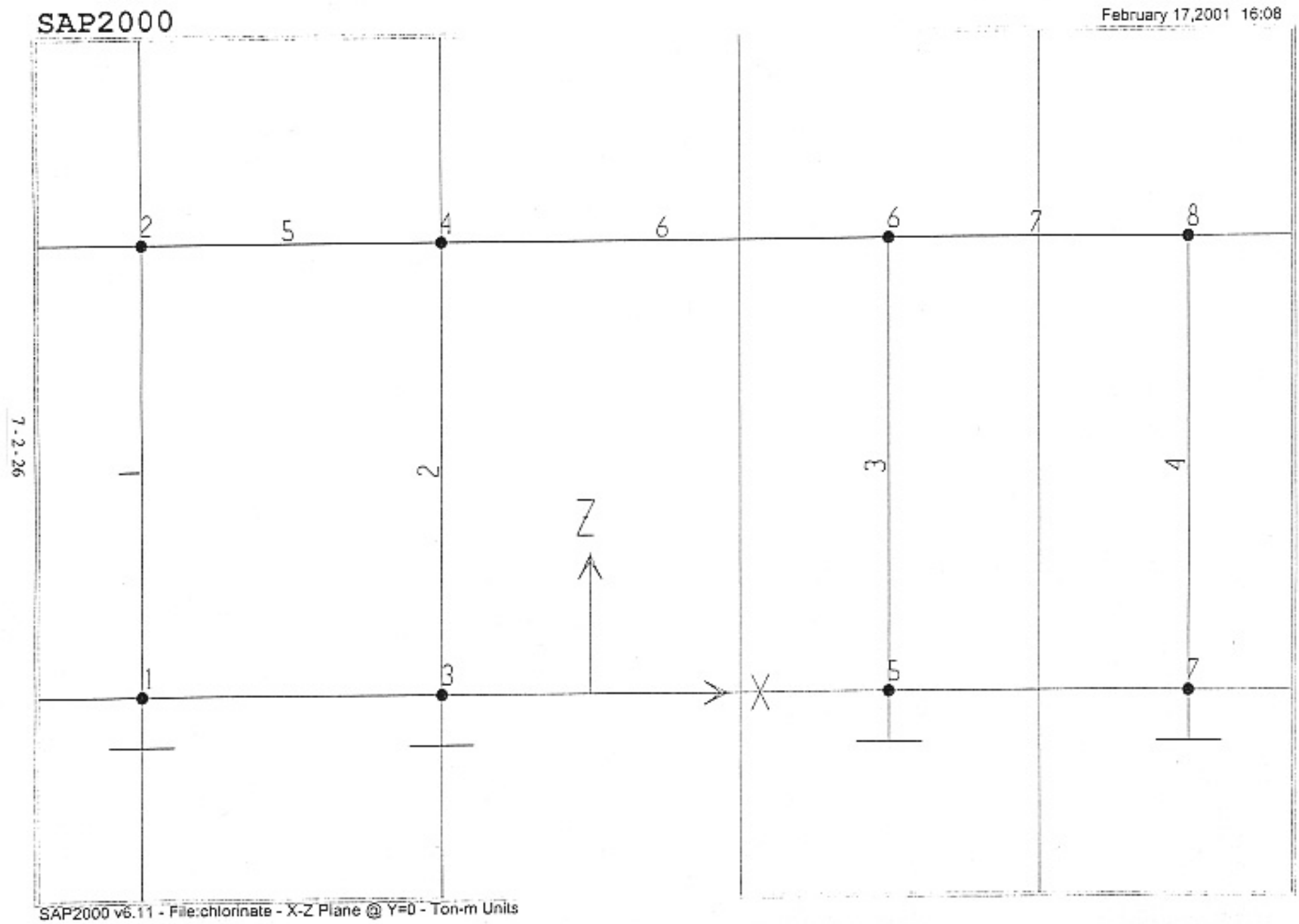
- **Load Combination**

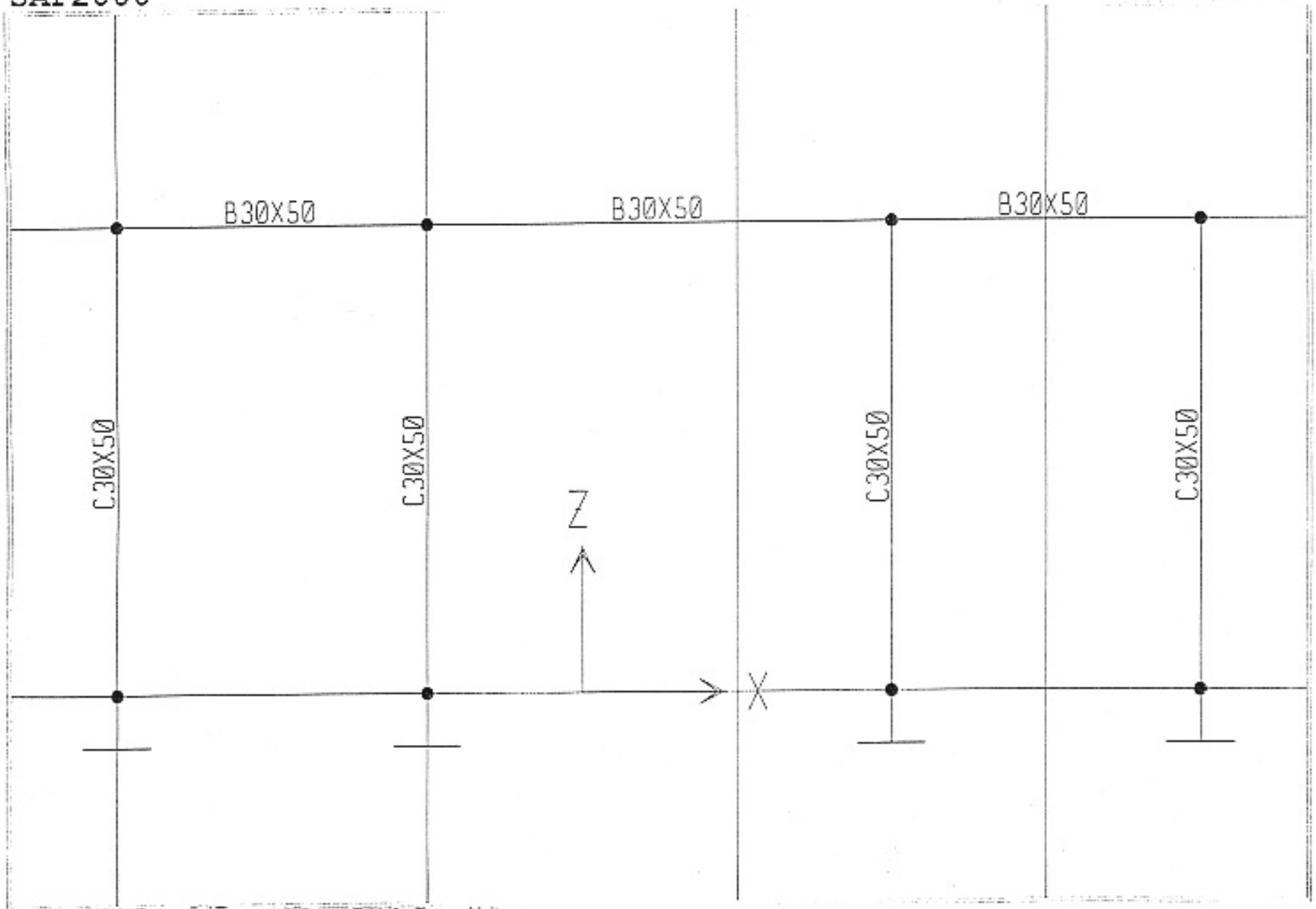
Load combination	Description
COMB1	DEAD+LIVE+LWIND
COMB2	DEAD+LIVE+RWIND
COMB3	Envelop value of above combinations

PROJECT : WASTE WATER TREATMENT PLANT

ITEM : CHLORINATION STORAGE BUILDING

RESULT SHEETS

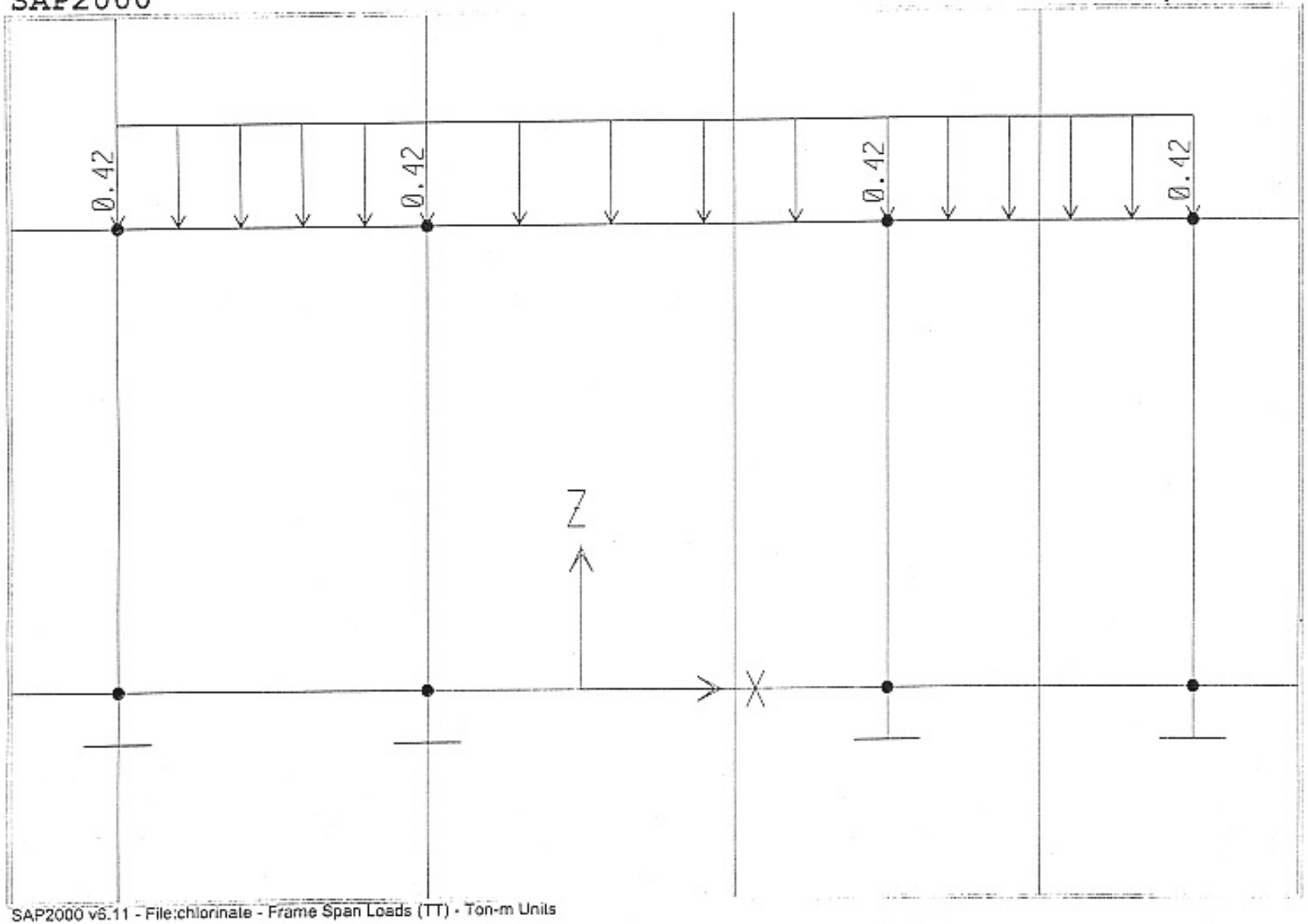

SAP2000
February 17,2001 16:08
2
5
4
6
6
7
8
1
2
3
4
Z
X
1
3
5
7
7-2-26
SAP2000 v6.11 - File:chlorinate - X-Z Plane @ Y=0 - Ton-m Units



7.2.27

SAP2000

February 17,2001 16:09

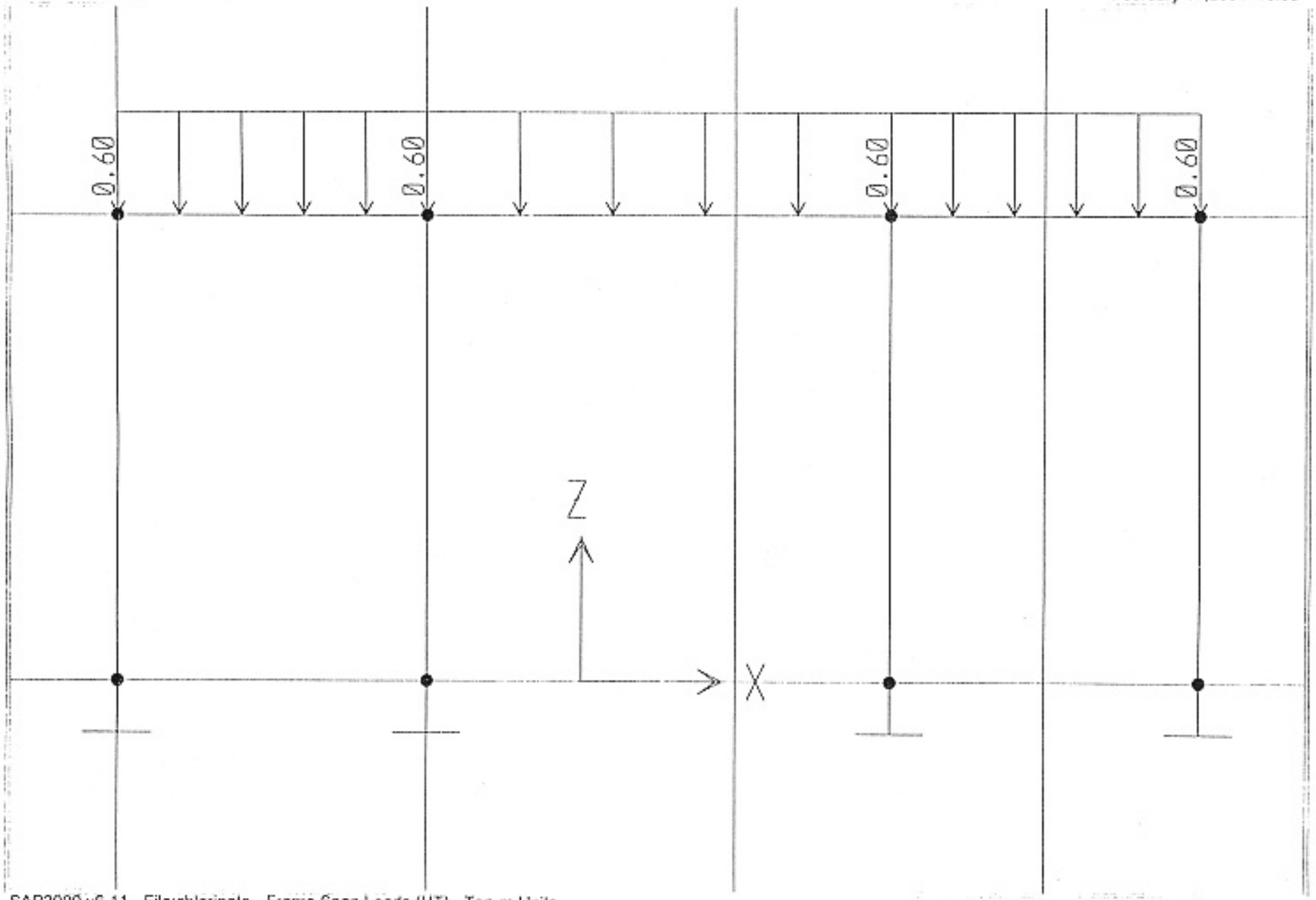


7 - 2 - 28

SAP2000 v6.11 - File:chlorinate - Frame Span Loads (TT) - Ton-m Units

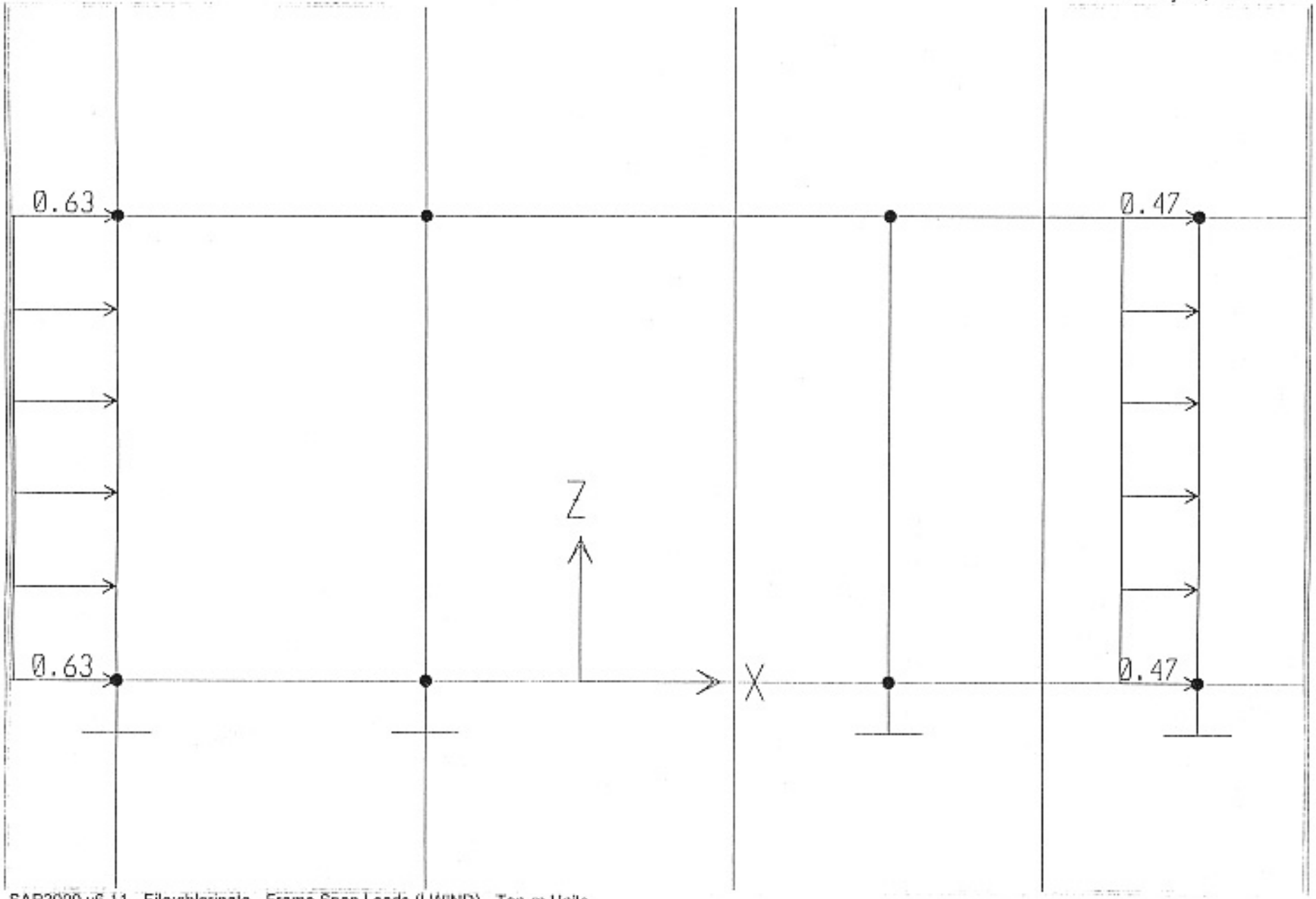
SAP2000

February 17,2001 16:09



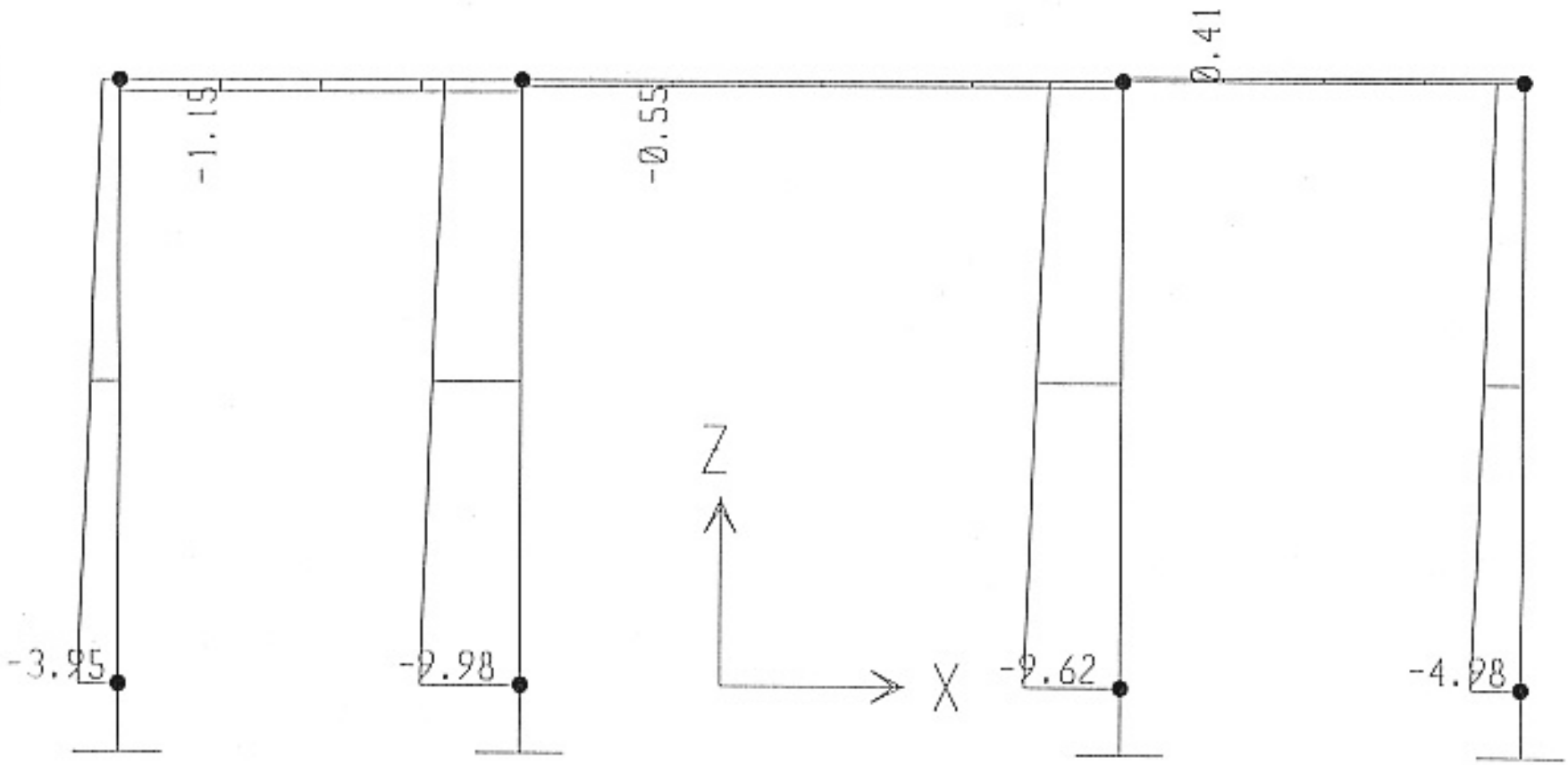
7.2.20

SAP2000 v6.11 - File:chlorinale - Frame Span Loads (HT) - Ton-m Units


0.63
0.47
Z
X
0.63
0.47

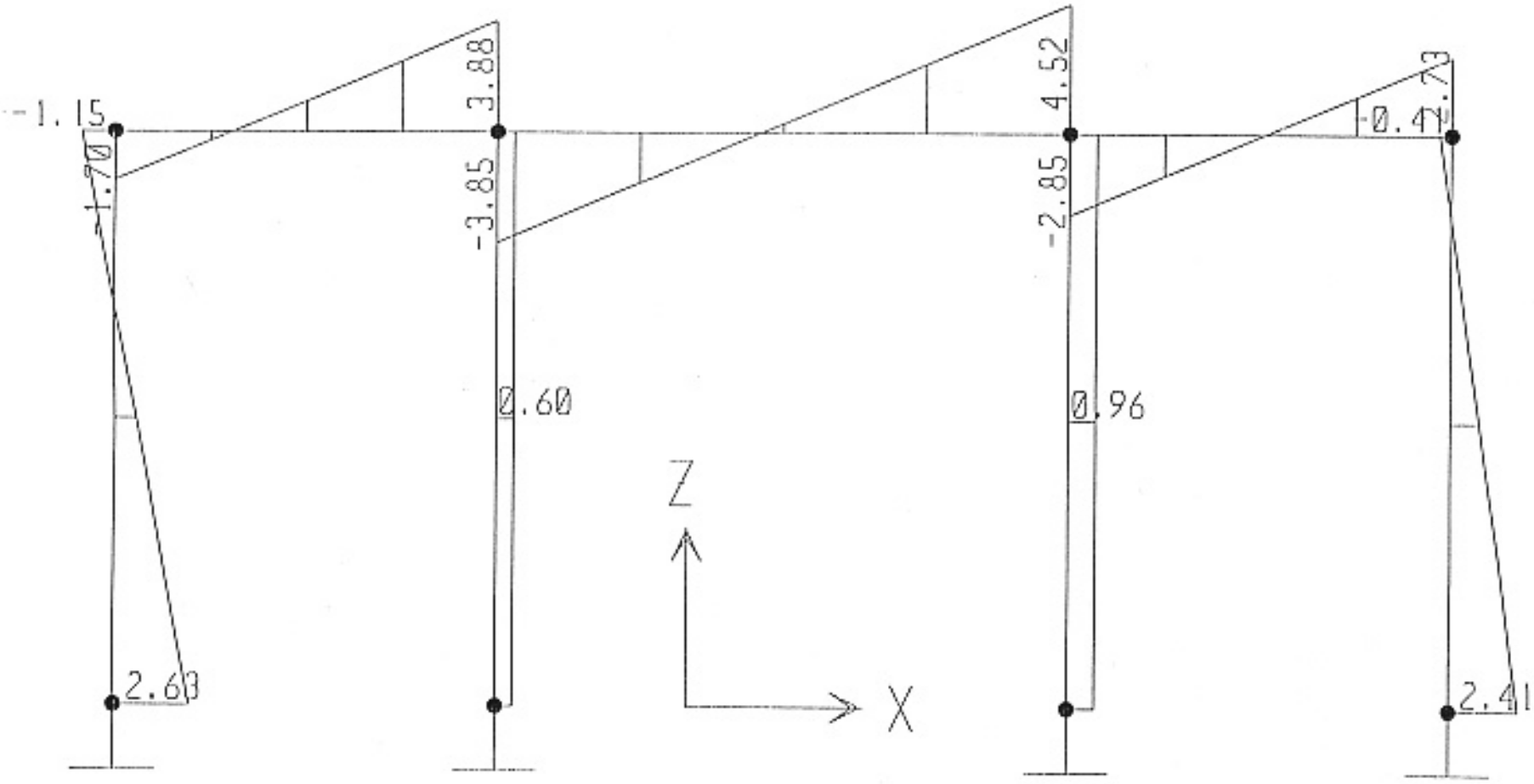
SAP2000

February 17,2001 16:09



7-2-31

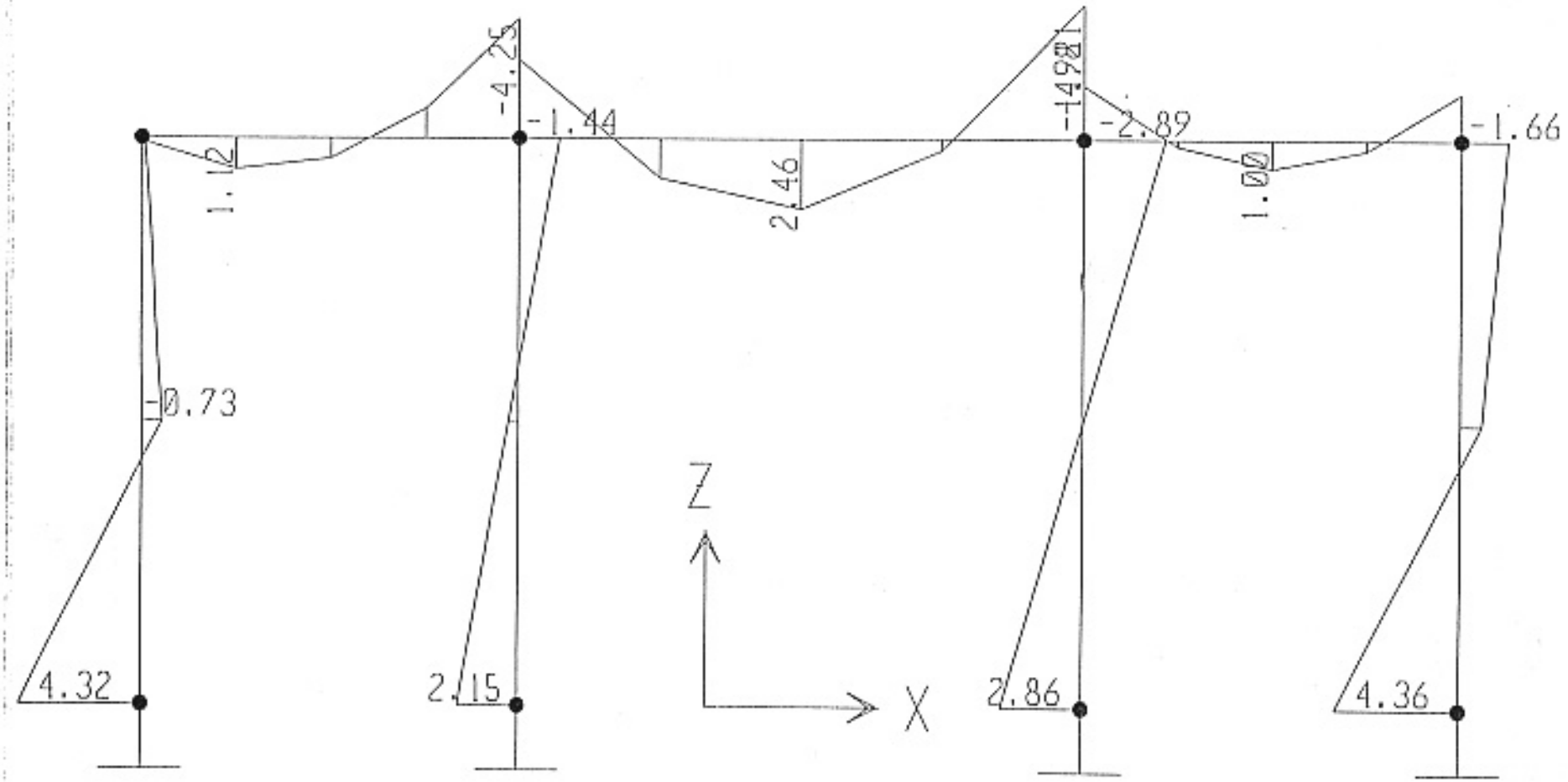
SAP2000 v6.11 - File:chlorinale - Axial Force Diagram (COMB1) - Ton-m Units



SAP2000 v6.11 - File:chlorinate - Shear Force 2-2 Diagram (COMB1) - Ton-m Units

SAP2000

February 17,2001 16:10



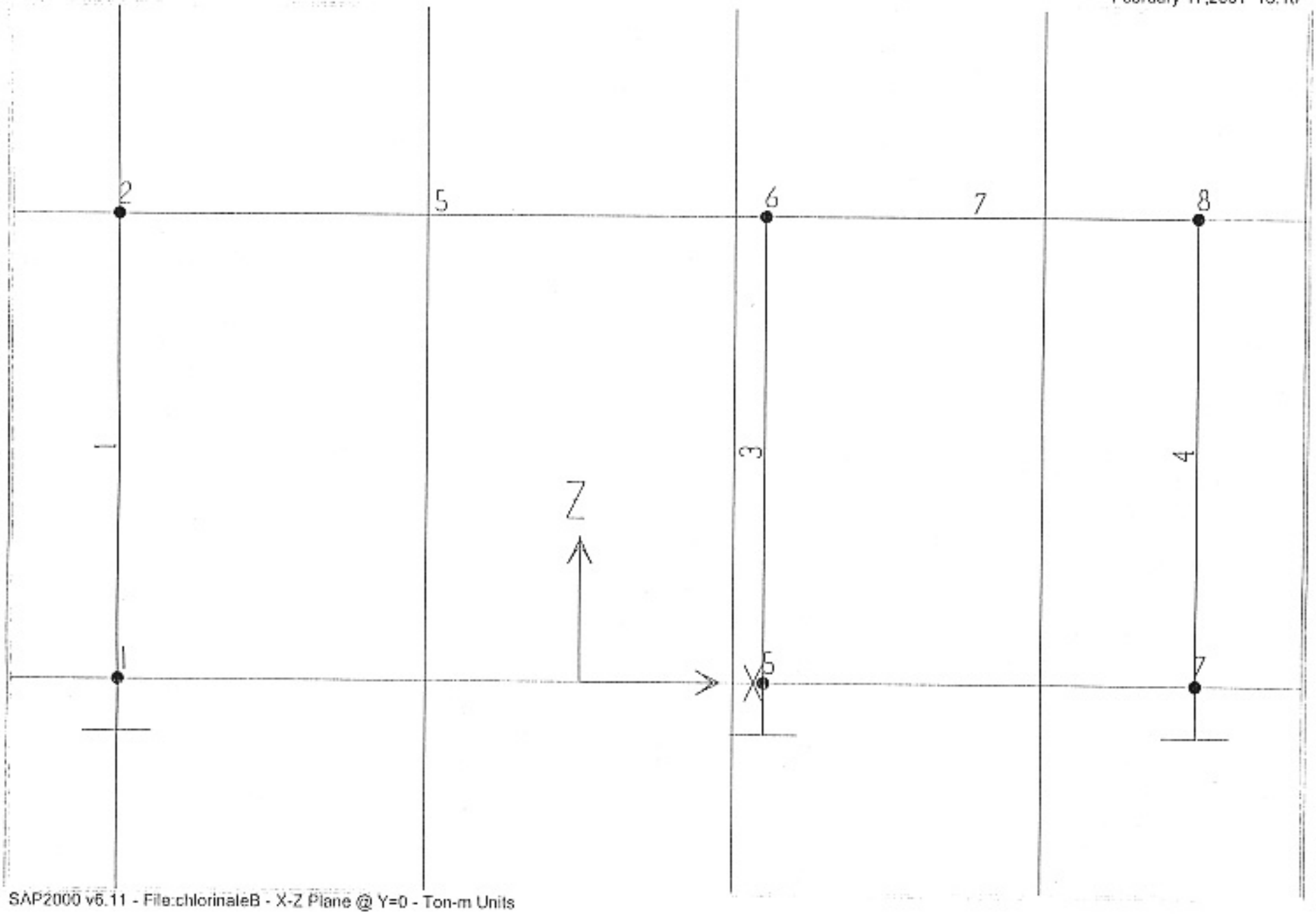
7.2.33

SAP2000 v6.11 - File:chlorinate - Moment 3-3 Diagram (COMB1) - Ton-m Units

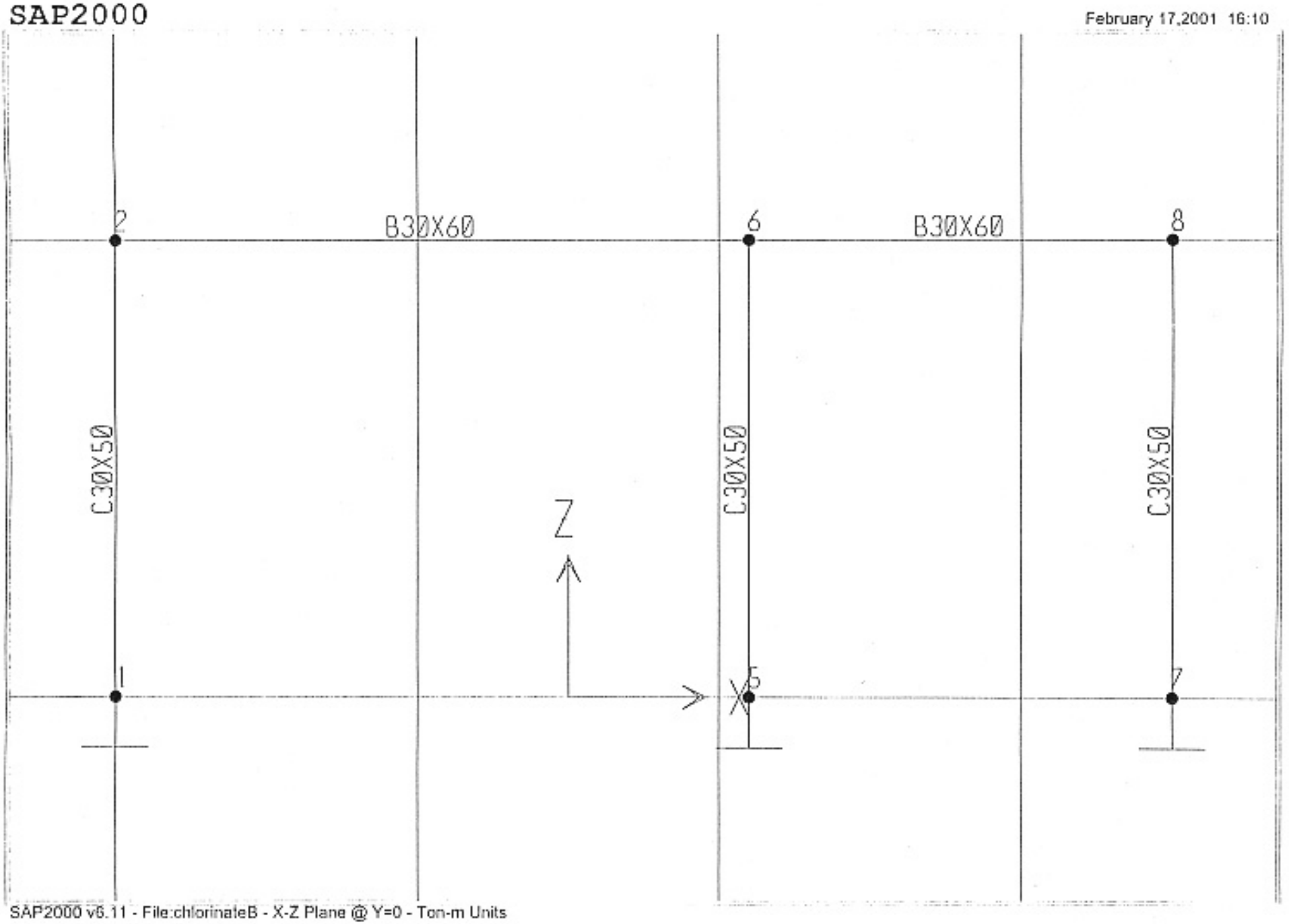
SAPSTEEL V 1.2 - COPYRIGHT@2000 BY CIDECO
WRITTEN BY NGUYEN TRUONG THANH

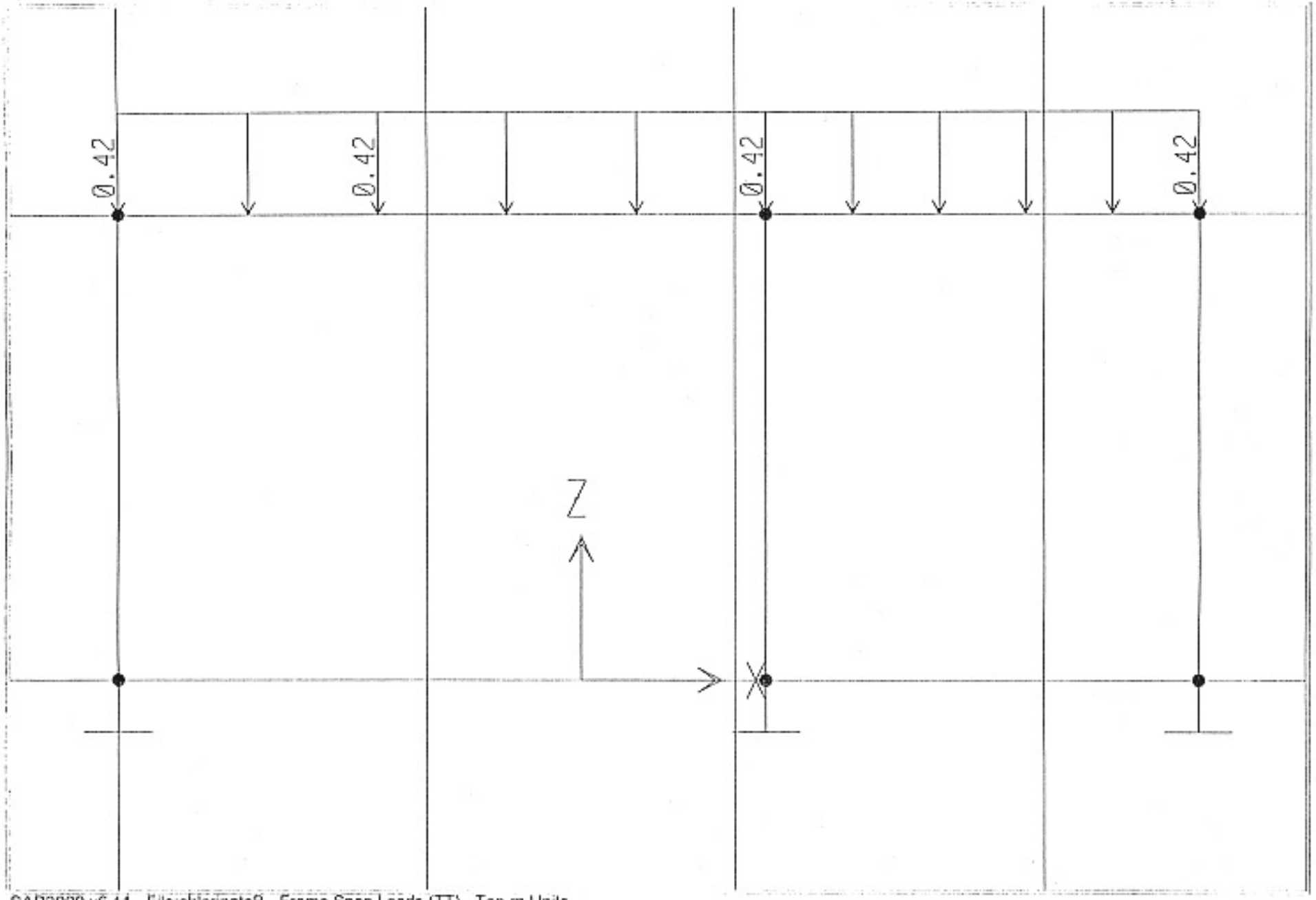
REINFORCEMENT RESULT FOR FILE : Chlorination.txt
FORCE UNIT : Ton
LENGTH UNIT : m
Eb = 240000.00
Rb = 100.00
Rk = 8.00
Ra = 2000.00

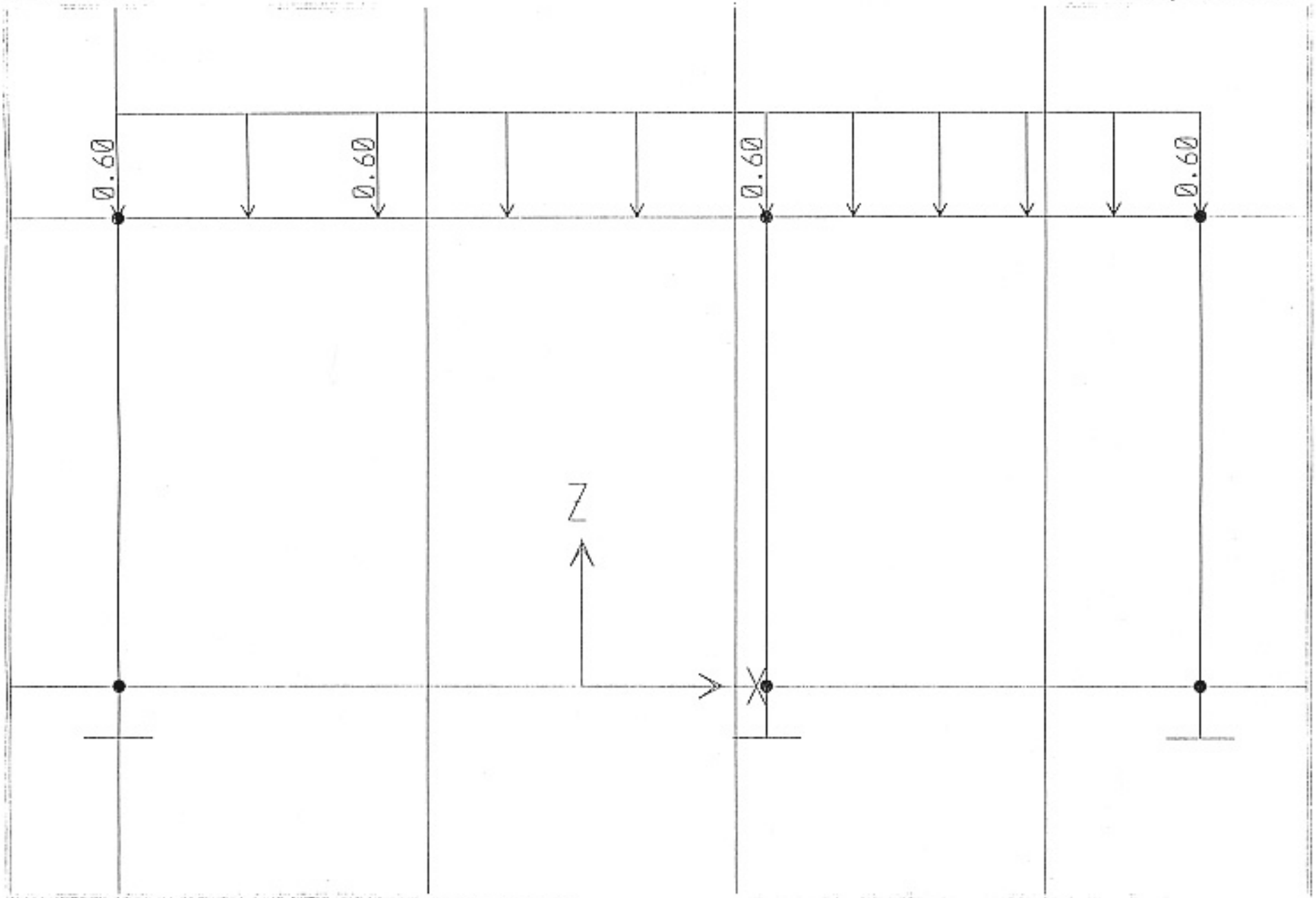
ID	SEC	FA-2	MUY-2	STIRR-2	FA-3	MUY-3	STIRR-3
1	0.00	2.70	0.40	*CHECKOK	4.60	0.68	*CHECKOK
1	0.00	2.70	0.40	*CHECKOK	4.60	0.68	*CHECKOK
1	3.00	2.70	0.40	*CHECKOK	2.70	0.40	*CHECKOK
1	3.00	2.70	0.40	*CHECKOK	2.70	0.40	*CHECKOK
1	6.00	2.70	0.40	*CHECKOK	2.70	0.40	*CHECKOK
1	6.00	2.70	0.40	*CHECKOK	2.70	0.40	*CHECKOK
2	0.00	2.70	0.40	*CHECKOK	2.70	0.40	*CHECKOK
2	0.00	2.70	0.40	*CHECKOK	2.70	0.40	*CHECKOK
2	3.00	2.70	0.40	*CHECKOK	2.70	0.40	*CHECKOK
2	3.00	2.70	0.40	*CHECKOK	2.70	0.40	*CHECKOK
2	6.00	2.70	0.40	*CHECKOK	2.70	0.40	*CHECKOK
2	6.00	2.70	0.40	*CHECKOK	2.70	0.40	*CHECKOK
3	0.00	2.70	0.40	*CHECKOK	2.70	0.40	*CHECKOK
3	0.00	2.70	0.40	*CHECKOK	2.70	0.40	*CHECKOK
3	3.00	2.70	0.40	*CHECKOK	2.70	0.40	*CHECKOK
3	3.00	2.70	0.40	*CHECKOK	2.70	0.40	*CHECKOK
3	6.00	2.70	0.40	*CHECKOK	2.70	0.40	*CHECKOK
3	6.00	2.70	0.40	*CHECKOK'	2.70	0.40	*CHECKOK
4	0.00	2.70	0.40	*CHECKOK	4.44	0.66	*CHECKOK
4	0.00	2.70	0.40	*CHECKOK	4.44	0.66	*CHECKOK
4	3.00	2.70	0.40	*CHECKOK	2.70	0.40	*CHECKOK
4	3.00	2.70	0.40	*CHECKOK	2.70	0.40	*CHECKOK
4	6.00	2.70	0.40	*CHECKOK	2.70	0.40	*CHECKOK
4	6.00	2.70	0.40	*CHECKOK	2.70	0.40	*CHECKOK
5	0.00	0.68	0.05	Þ6a150/3	0.68	0.05	Þ6a170/2
5	0.00	0.68	0.05	Þ6a150/3	0.68	0.05	Þ6a170/2
5	1.00	0.68	0.05	Þ6a150/3	1.26	0.09	Þ6a170/2
5	1.00	0.68	0.05	Þ6a150/3	1.26	0.09	Þ6a170/2
5	2.00	0.68	0.05	Þ6a150/3	0.81	0.06	Þ6a170/2
5	2.00	0.68	0.05	Þ6a150/3	0.81	0.06	Þ6a170/2
5	3.00	0.68	0.05	Þ6a150/3	-1.20	0.09	Þ6a170/2
5	3.00	0.68	0.05	Þ6a150/3	-1.20	0.09	Þ6a170/2
5	4.00	0.68	0.05	Þ6a150/3	-4.90	0.36	Þ6a170/2
5	4.00	0.68	0.05	Þ6a150/3	-4.90	0.36	Þ6a170/2
6	0.00	0.68	0.05	Þ6a150/3	-3.20	0.24	Þ6a170/2
6	0.00	0.68	0.05	Þ6a150/3	-3.20	0.24	Þ6a170/2
6	1.50	0.68	0.05	Þ6a150/3	1.56	0.12	Þ6a170/2
6	1.50	0.68	0.05	Þ6a150/3	1.56	0.12	Þ6a170/2
6	3.00	0.68	0.05	Þ6a150/3	2.79	0.21	Þ6a170/2
6	3.00	0.68	0.05	Þ6a150/3	2.79	0.21	Þ6a170/2
6	4.50	0.68	0.05	Þ6a150/3	0.68	0.05	Þ6a170/2
6	4.50	0.68	0.05	Þ6a150/3	0.68	0.05	Þ6a170/2
6	6.00	0.68	0.05	Þ6a150/3	-5.57	0.41	Þ6a170/2
6	6.00	0.68	0.05	Þ6a150/3	-5.57	0.41	Þ6a170/2
7	0.00	0.68	0.05	Þ6a150/3	-2.17	0.16	Þ6a170/2
7	0.00	0.68	0.05	Þ6a150/3	-2.17	0.16	Þ6a170/2
7	1.00	0.68	0.05	Þ6a150/3	0.68	0.05	Þ6a170/2
7	1.00	0.68	0.05	Þ6a150/3	0.68	0.05	Þ6a170/2
7	2.00	0.68	0.05	Þ6a150/3	1.12	0.08	Þ6a170/2
7	2.00	0.68	0.05	Þ6a150/3	1.12	0.08	Þ6a170/2
7	3.00	0.68	0.05	Þ6a150/3	0.68	0.05	Þ6a170/2
7	3.00	0.68	0.05	Þ6a150/3	0.68	0.05	Þ6a170/2
7	4.00	0.68	0.05	Þ6a150/3	-1.87	0.14	Þ6a170/2
7	4.00	0.68	0.05	Þ6a150/3	-1.87	0.14	Þ6a170/2

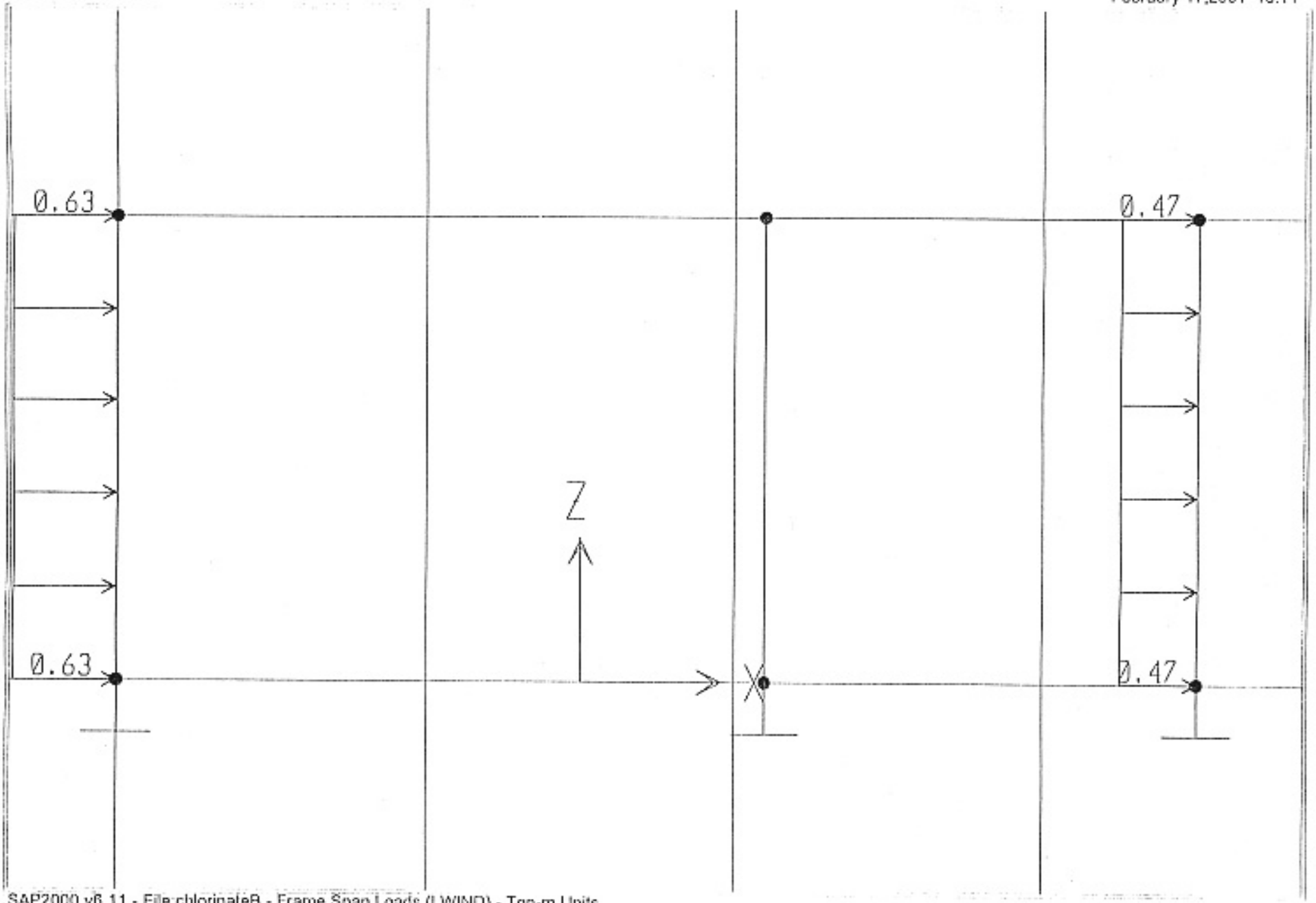


SAP2000 v6.11 - File:chlorinaleB - X-Z Plane @ Y=0 - Ton-m Units


SAP2000
February 17,2001 16:10
2
B30X60
6
B30X60
8
C30X50
C30X50
C30X50
Z
X
1
5
7
7-2-36
SAP2000 v6.11 - File:chlorinateB - X-Z Plane @ Y=0 - Ton-m Units

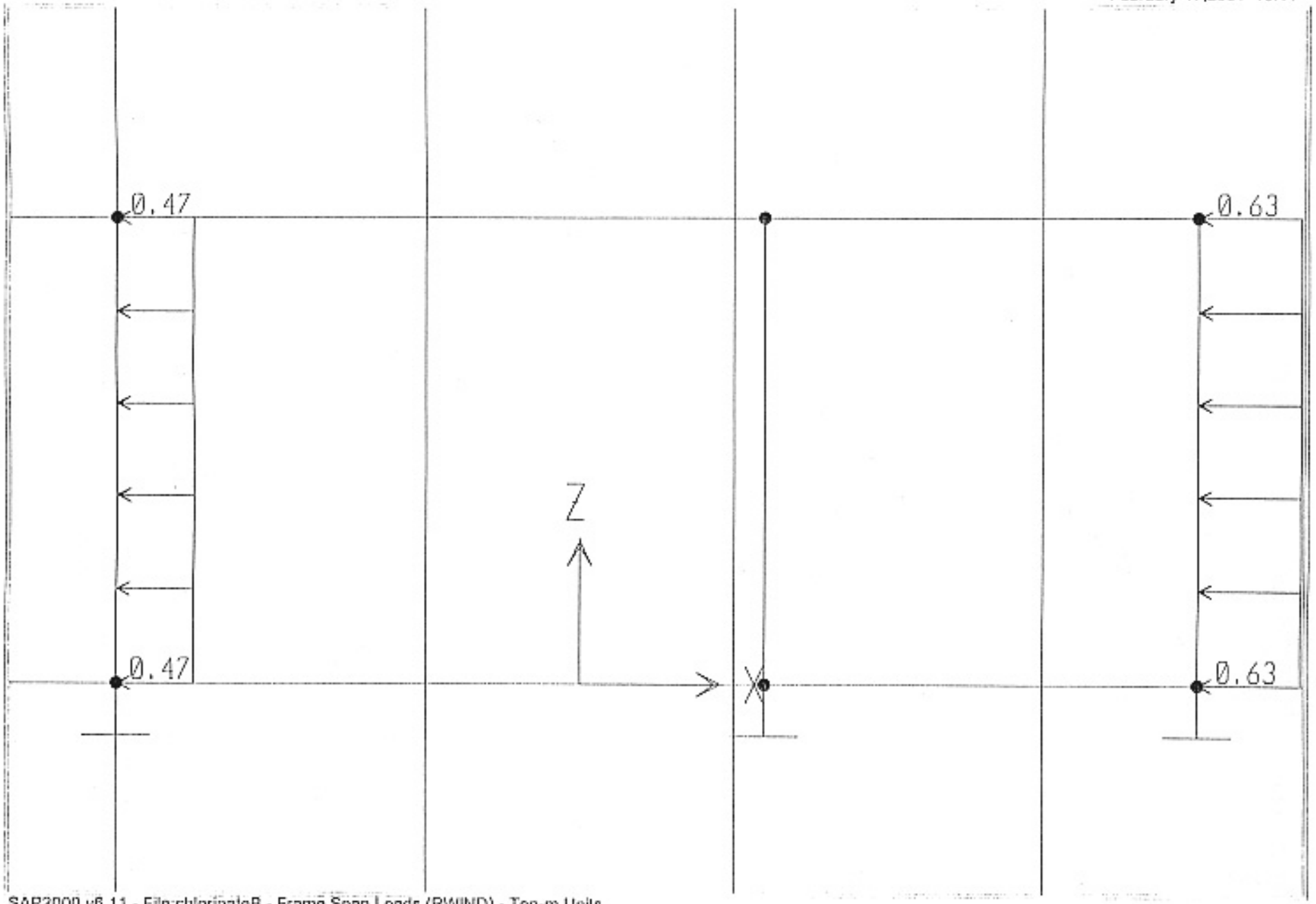

0.42
0.42
0.42
0.42
Z


0.60
0.60
0.60
0.60
Z


0.63
0.47
Z
0.63
0.47

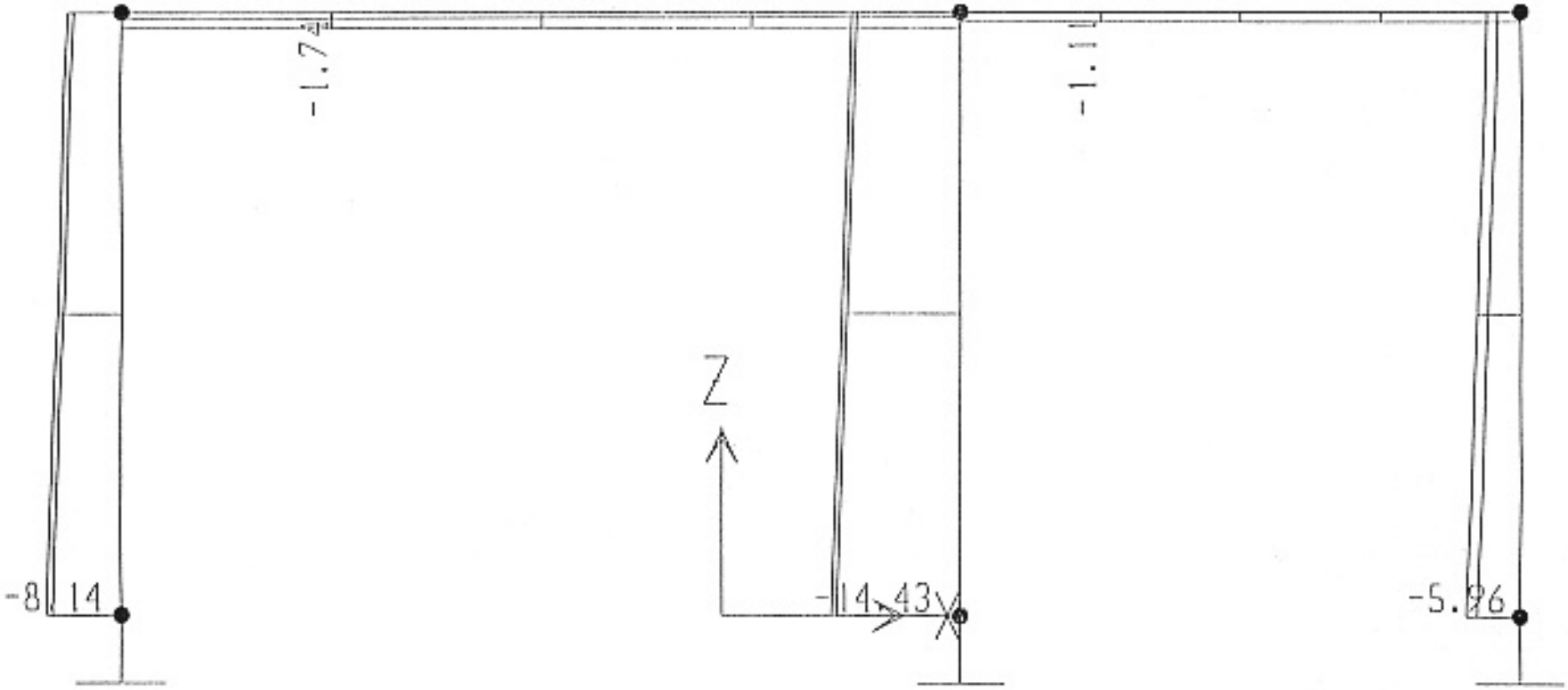
SAP2000

February 17,2001 16:11

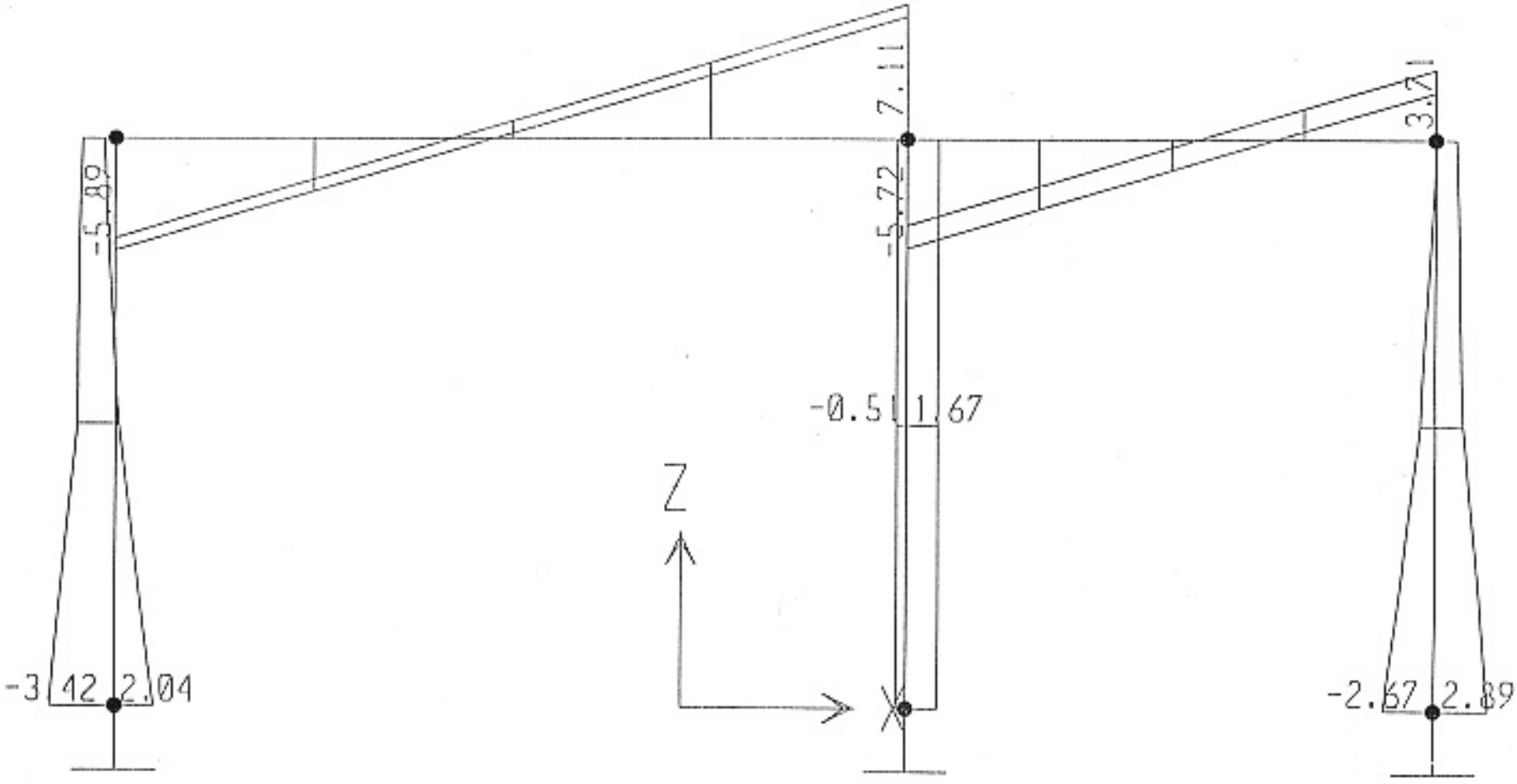


7-2-40

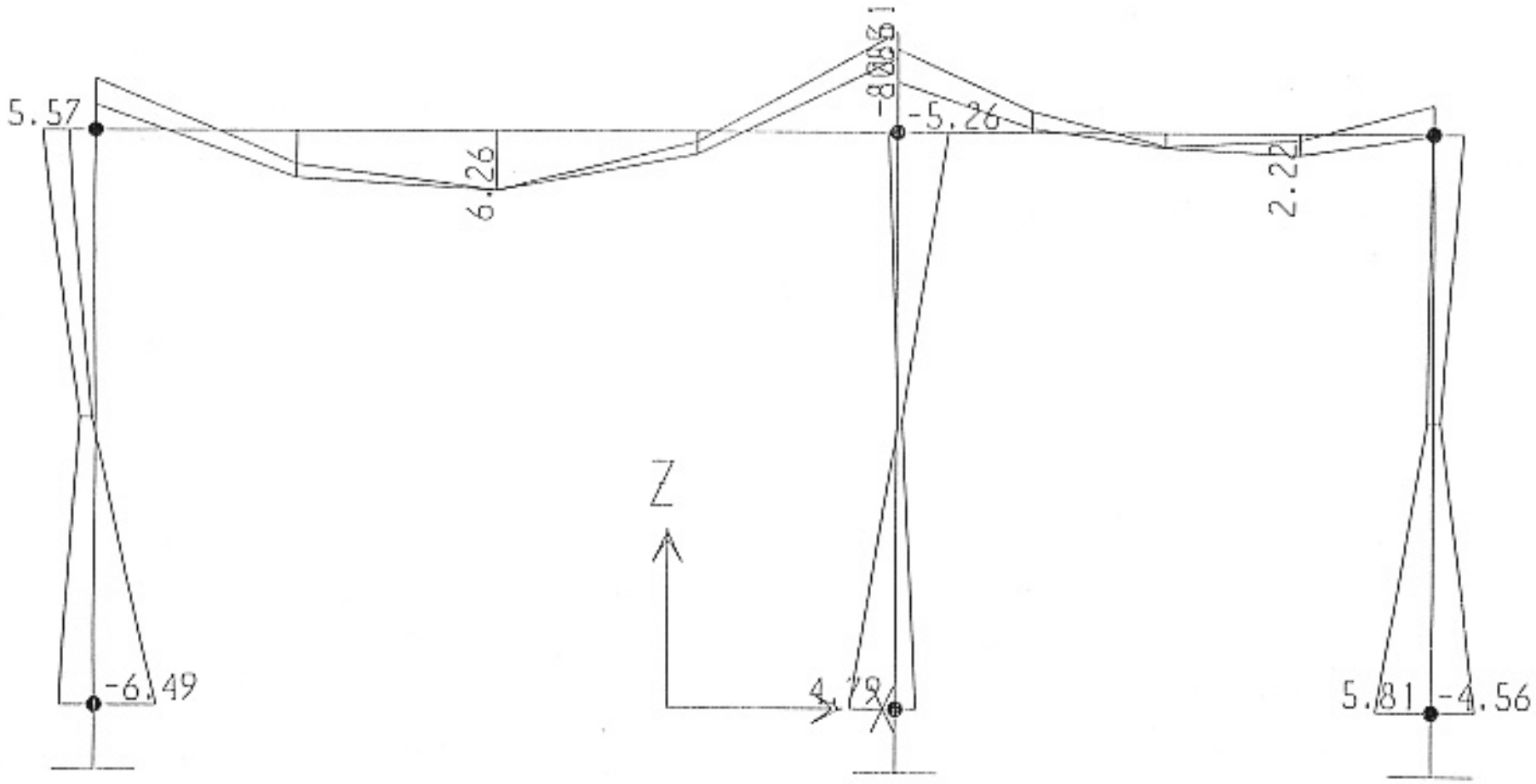
SAP2000 v6.11 - File:chlorinateB - Frame Span Loads (RWIND) - Ton-m Units



7-2-41



SAP2000 v6.11 - File:chlorinaleB - Shear Force 2-2 Diagram (COMB3) - Ton-m Units

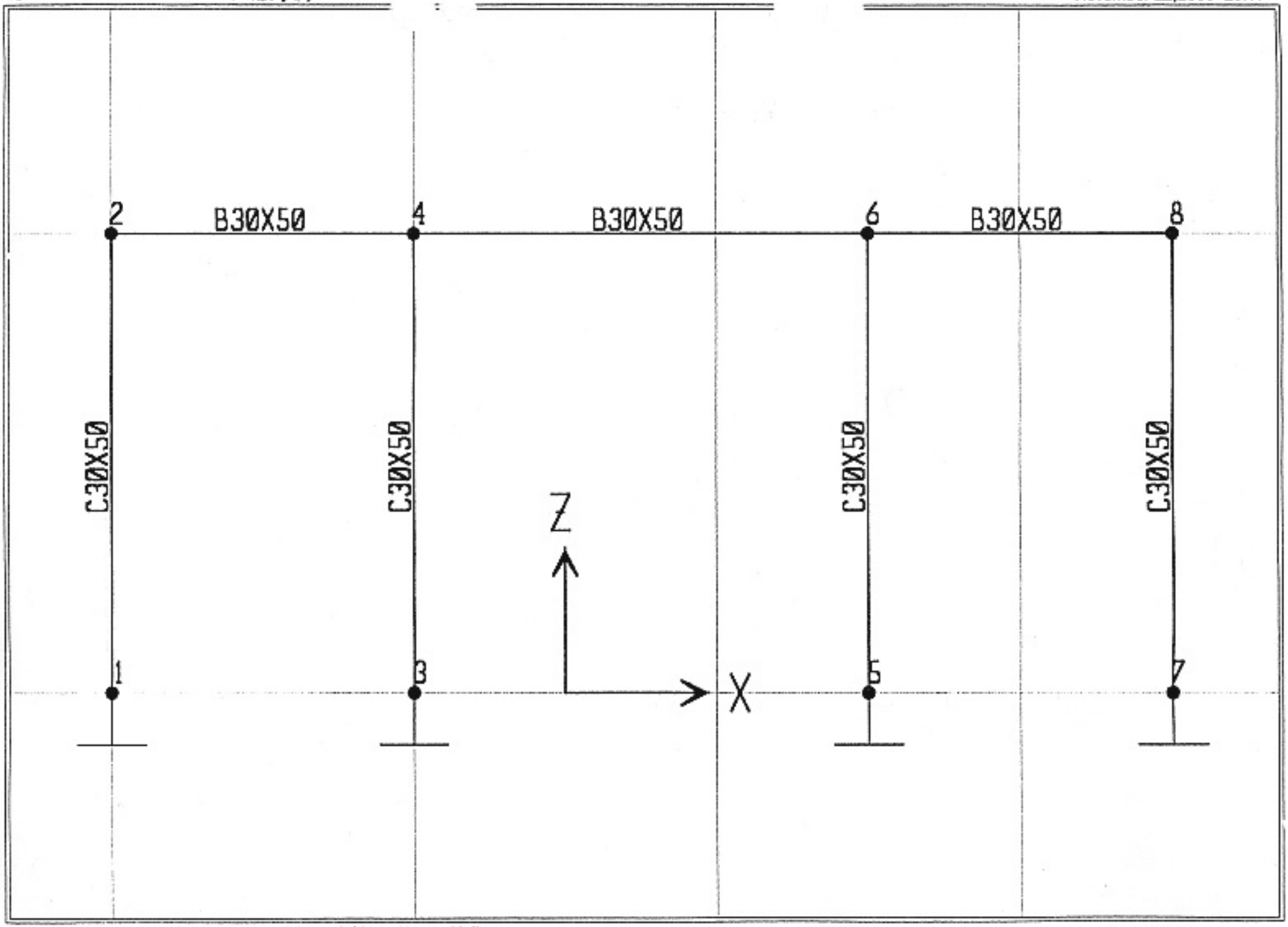


SAP2000 v6.11 - File:chlorinateB - Moment 3-3 Diagram (COMB3) - Ton-m Units

SAPSTEEL V 1.2 - COPYRIGHT@2000 BY CIDECO
WRITTEN BY NGUYEN TRUONG THANH

REINFORCEMENT RESULT FOR FILE : Chlorination-B.txt
FORCE UNIT : Ton
LENGTH UNIT : m
Eb = 240000.00
Rb = 100.00
Rk = 8.00
Ra = 2000.00

ID	SEC	FA-2	MUY-2	STIRR-2	FA-3	MUY-3	STIRR-3
1	0.00	2.70	0.40	*CHECKOK	3.03	0.45	*CHECKOK
1	0.00	2.70	0.40	*CHECKOK	3.03	0.45	*CHECKOK
1	3.00	2.70	0.40	*CHECKOK	2.70	0.40	*CHECKOK
1	3.00	2.70	0.40	*CHECKOK	2.70	0.40	*CHECKOK
1	6.00	2.70	0.40	*CHECKOK	5.93	0.88	*CHECKOK
1	6.00	2.70	0.40	*CHECKOK	5.93	0.88	*CHECKOK
3	0.00	2.70	0.40	*CHECKOK	3.13	0.46	*CHECKOK
3	0.00	2.70	0.40	*CHECKOK	3.13	0.46	*CHECKOK
3	3.00	2.70	0.40	*CHECKOK	2.70	0.40	*CHECKOK
3	3.00	2.70	0.40	*CHECKOK	2.70	0.40	*CHECKOK
3	6.00	2.70	0.40	*CHECKOK	2.70	0.40	*CHECKOK
3	6.00	2.70	0.40	*CHECKOK	2.70	0.40	*CHECKOK
4	0.00	2.70	0.40	*CHECKOK	6.33	0.94	*CHECKOK
4	0.00	2.70	0.40	*CHECKOK	6.33	0.94	*CHECKOK
4	3.00	2.70	0.40	*CHECKOK	2.70	0.40	*CHECKOK
4	3.00	2.70	0.40	*CHECKOK	2.70	0.40	*CHECKOK
4	6.00	2.70	0.40	*CHECKOK	2.70	0.40	*CHECKOK
4	6.00	2.70	0.40	*CHECKOK	2.70	0.40	*CHECKOK
5	0.00	0.81	0.05	Þ6a150/3	-2.63	0.16	Þ6a200/2
5	0.00	0.81	0.05	Þ6a150/3	-2.63	0.16	Þ6a200/2
5	2.10	0.81	0.05	Þ6a150/3	4.75	0.29	Þ6a200/2
5	2.10	0.81	0.05	Þ6a150/3	4.75	0.29	Þ6a200/2
5	4.20	0.81	0.05	Þ6a150/3	6.02	0.37	Þ6a200/2
5	4.20	0.81	0.05	Þ6a150/3	6.02	0.37	Þ6a200/2
5	6.30	0.81	0.05	Þ6a150/3	2.24	0.14	Þ6a200/2
5	6.30	0.81	0.05	Þ6a150/3	2.24	0.14	Þ6a200/2
5	8.40	0.81	0.05	Þ6a150/3	-7.70	0.48	Þ6a200/2
5	8.40	0.81	0.05	Þ6a150/3	-7.70	0.48	Þ6a200/2
7	0.00	0.81	0.05	Þ6a150/3	-5.12	0.32	Þ6a200/2
7	0.00	0.81	0.05	Þ6a150/3	-5.12	0.32	Þ6a200/2
7	1.40	0.81	0.05	Þ6a150/3	-0.81	0.05	Þ6a200/2
7	1.40	0.81	0.05	Þ6a150/3	-0.81	0.05	Þ6a200/2
7	2.80	0.81	0.05	Þ6a150/3	1.45	0.09	Þ6a200/2
7	2.80	0.81	0.05	Þ6a150/3	1.45	0.09	Þ6a200/2
7	4.20	0.81	0.05	Þ6a150/3	2.08	0.13	Þ6a200/2
7	4.20	0.81	0.05	Þ6a150/3	2.08	0.13	Þ6a200/2
7	5.60	0.81	0.05	Þ6a150/3	0.81	0.05	Þ6a200/2
7	5.60	0.81	0.05	Þ6a150/3	0.81	0.05	Þ6a200/2



SAP2000 v6.11 - File:chlorinate - X-Z Plane @ Y=0 - Ton-m Units

SAP2000 v6.11 File: CHLORINATE Ton-m Units PAGE 1
November 22, 2000 20:18

CIDECO

L O A D C O M B I N A T I O N M U L T I P L I E R S

COMBO	TYPE	CASE	FACTOR	TYPE	TITLE
COMB1	ADD				COMB1
		TT	1.0000	STATIC(DEAD)	
		HT	1.0000	STATIC(DEAD)	
		LWIND	1.0000	STATIC(DEAD)	

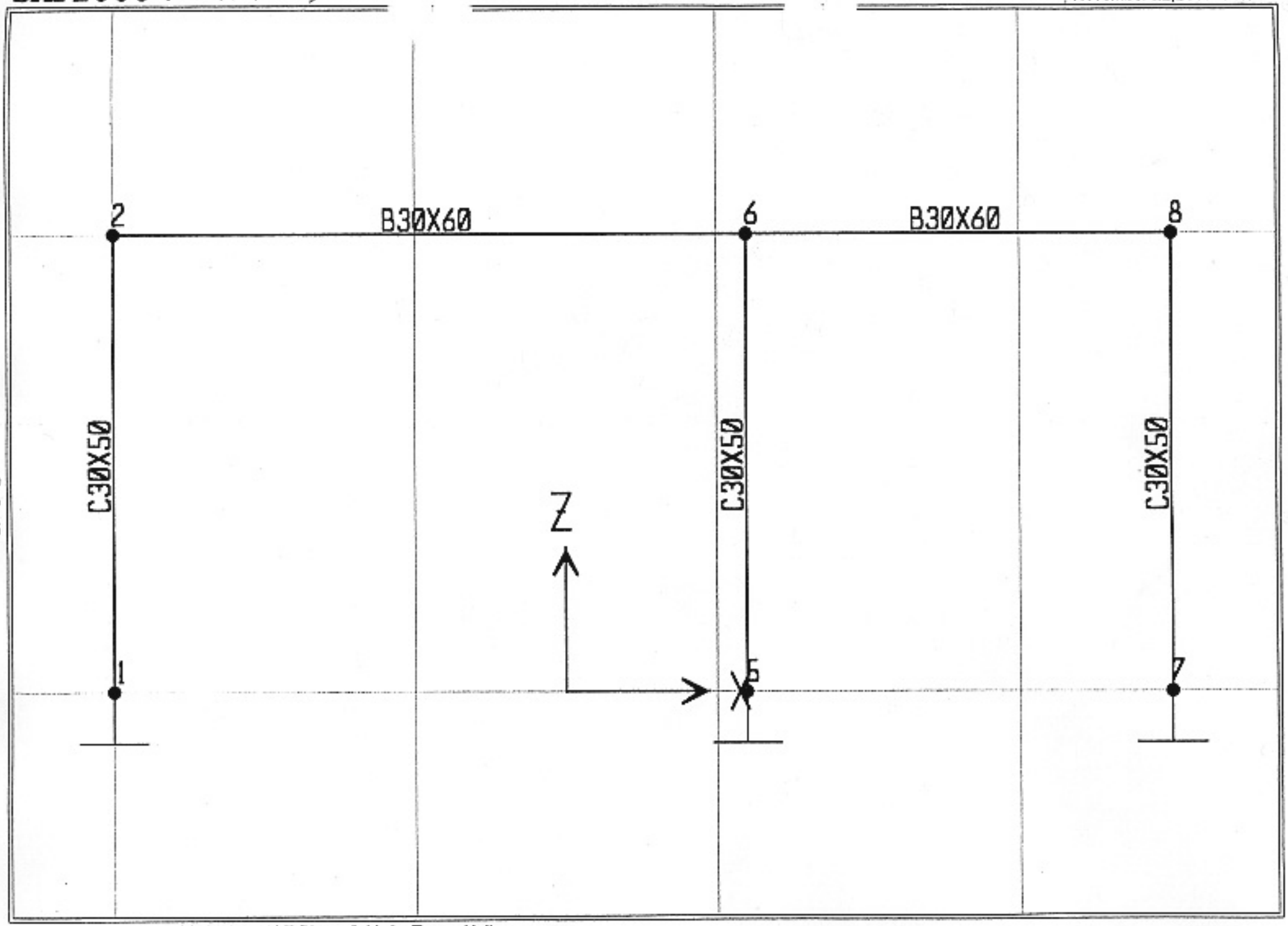
SAP2000 v6.11 File: CHLORINATE Ton-m Units PAGE 2
November 22, 2000 20:18

CIDECO

J O I N T R E A C T I O N S

JOINT	LOAD	F1	F2	F3	M1	M2	M3
1	COMB1	-2.6298	0.0000	3.9485	0.0000	-4.3245	0.0000
3	COMB1	-0.5979	0.0000	9.9830	0.0000	-2.1483	0.0000
5	COMB1	-0.9583	0.0000	9.6232	0.0000	-2.8581	0.0000
7	COMB1	-2.4140	0.0000	4.9753	0.0000	-4.3604	0.0000

7-2.46


2
B30X60
6
B30X60
8
C30X50
C30X50
C30X50
Z
1
5
7

SAP2000 v6.11 File: CHLORINATEB Ton-m Units PAGE 1
November 22, 2000 20:15

L O A D C O M B I N A T I O N M U L T I P L I E R S

COMBO	TYPE	CASE	FACTOR	TYPE	TITLE
COMB3	ENVE				COMB3
		COMB1	1.0000	COMBO	
		COMB2	1.0000	COMBO	

SAP2000 v6.11 File: CHLORINATEB Ton-m Units PAGE 2
November 22, 2000 20:15

J O I N T R E A C T I O N S

JOINT	LOAD	F1	F2	F3	M1	M2	M3
1	COMB3 MAX	3.4202	0.0000	8.1435	0.0000	6.4942	0.0000
1	COMB3 MIN	-2.0358	0.0000	7.4929	0.0000	-3.6658	0.0000
5	COMB3 MAX	0.5066	0.0000	14.4265	0.0000	2.1120	0.0000
5	COMB3 MIN	-1.6746	0.0000	13.8796	0.0000	-4.7887	0.0000
7	COMB3 MAX	2.6733	0.0000	5.9575	0.0000	4.5558	0.0000
7	COMB3 MIN	-2.8896	0.0000	4.7600	0.0000	-5.8122	0.0000

7.2.4

Blower Building

PROJECT : WASTE WATER TREATMENT PLANT

ITEM : BLOWER BUILDING ! 3

STRUCTURAL CALCULATION SHEET

STRUCTURAL ANALYSIS ITEMS :

A. MAIN FRAME STRUCTURAL ANALYSIS

B. ATTACHED RESULT SHEETS

STRUCTURAL CALCULATION SHEET

* Project : Wastewater Treatment Plant
* Item : Blower Building

Part I : CALCULATION OF LOAD

A. DEAD LOAD :

- ROOF :

No	Material	Calculation	Applying load(kg/m^2)
1	120 THK R.C slab	2500x0.12	300
2	60mm THK cement mortar	1800x0.06	108
3	Steel purlin & roof sheet	-	25
4	Others	-	50
		TOTAL	g^{tc}= 483 kg/m^2

B. LIVE LOAD :

- Live load to be taken based on Vietnamese Standard TCVN 2737-1995, p^{tc} = 75 kg/m^2
- Load safety factor was not mentioned on above calculation because it will be included in structural analysis progress (see attached calculation sheet)
- Uniform load applying to beam to be shown on attached calculation sheet

C. WIND LOAD :

- Wind load imposed on project to be calculated based on Vietnamese Standard TCVN 2737-1995
- Wind load is calculated as follows :

  $W^{tc} = W^{tc}_0 x k x C$, where :

  W^{tc}_0 : standard wind pressure, area IIA, W_0^{tc} = 83 kg/m^2

  k : factor due to affect of project height and topography

  C : factor of dynamic wind , C=0.8 for the area where wind load imposes directly, C=0.6 for the opposite side

  - Refer to calculation sheet for further informations

Part II : STRUCTURAL ANALYSIS PROGRESS

- The structure of Blower Building to be calculated by structural analysis program SAP2000
- The structural diagram is modelled as a frame with rigid connection at first floor elevation
- All details about input load, beam and column section, static load case and load combination to be shown on calculation sheet
- Refer to attached result sheets for calcaluted value of stress, displacement, steel area for beam and column elements

Part III : LOAD COMBINATION

- STATIC LOAD CASES :

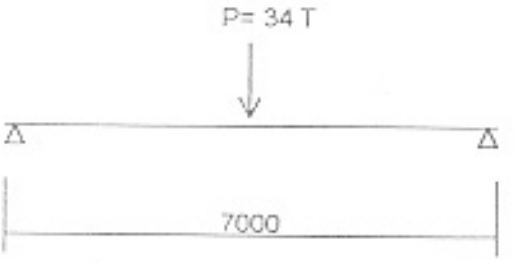
Load case mark	Description
DEAD	Roof dead load
LIVE	Roof live load
LCRANE	Crane horizontal force (left side)
RCRANE	Crane horizontal force (right side)
LWIND	Wind load (from left to right)
RWIND	Wind load (from right to left)

- LOAD COMBINATION

Load combination	Description
COMBO1	DEAD+LIVE
COMBO2	DEAD+LIVE+LWIND+RCRANE
COMBO3	DEAD+LIVE+RWIND+LCRANE
COMBO4	Envelop value of above combinations

Part IV: CALCULATION OF LONGITUDINAL CRANE BEAM

- Logitudinal crane beam to be calculated as one-span beam, simple supported on columns, calculation span L=7000
- The most dangerous case is the one in which crane force apply in the middle of beam crane

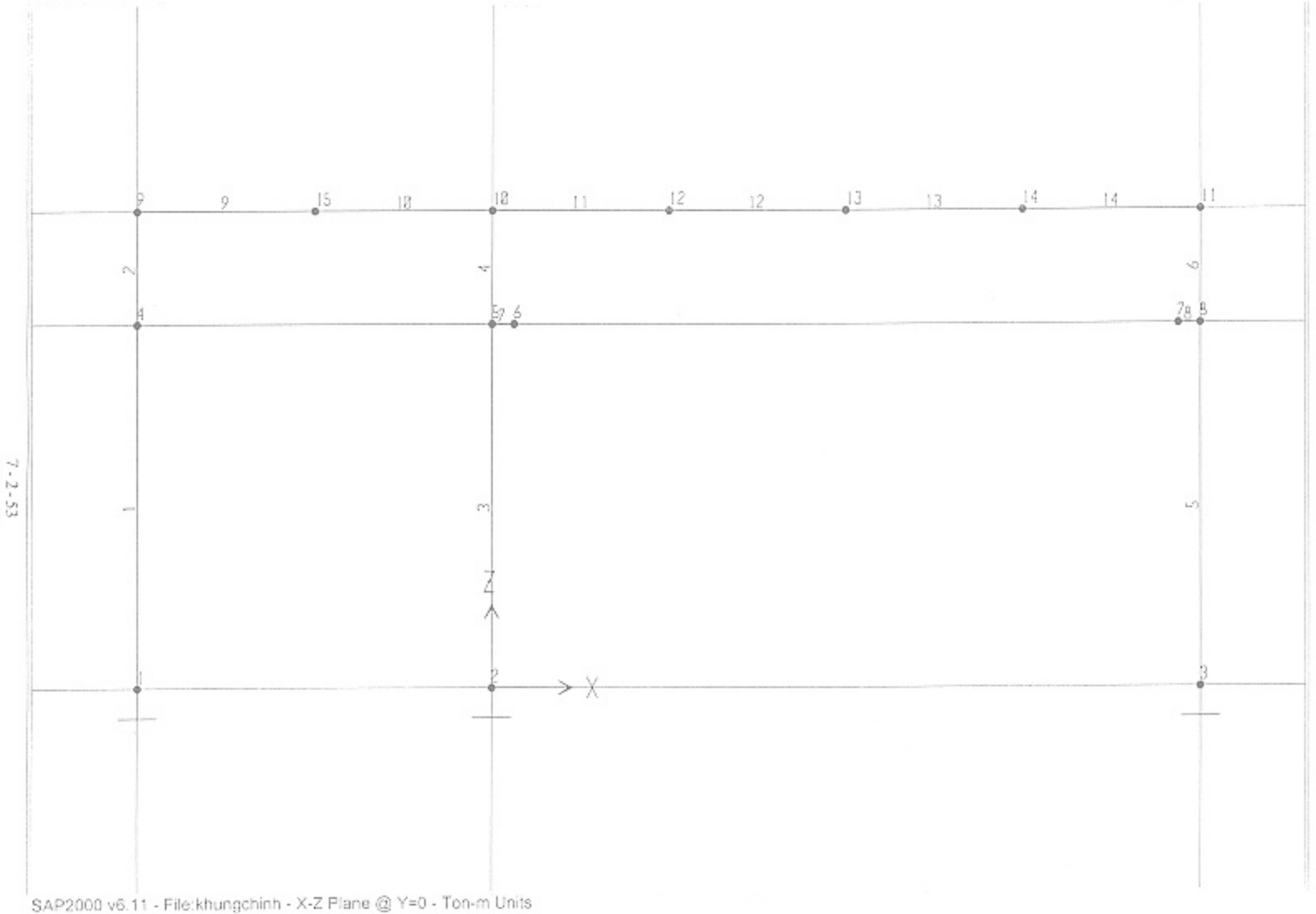


- Maximum bending moment : $M_{max} = P*L/4 = 34*7/4 = 59.5$ Tm
- Required moment of inertia $W_{yc} = M_{max}/R_a = 59.5*10^5/2100$
$= 2833\ cm^3$
- Use H750x350x16x12 with $W_x = 5585\ cm^3$ greater than $W_{yc} = 2833\ cm^3$

PROJECT : WASTE WATER TREATMENT PLANT

ITEM : BLOWER BUILDING

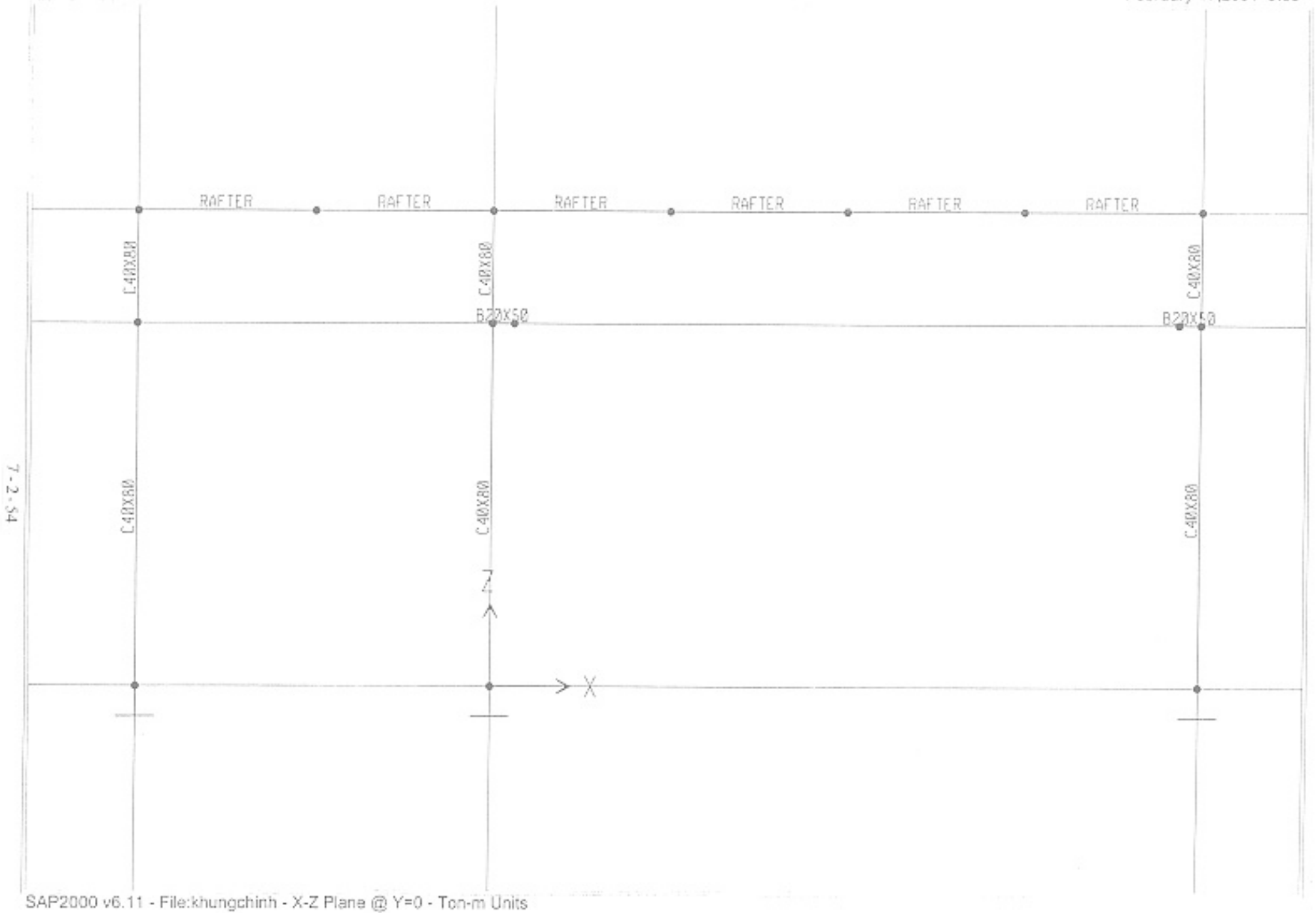
RESULT SHEETS



7 - 2 - 53

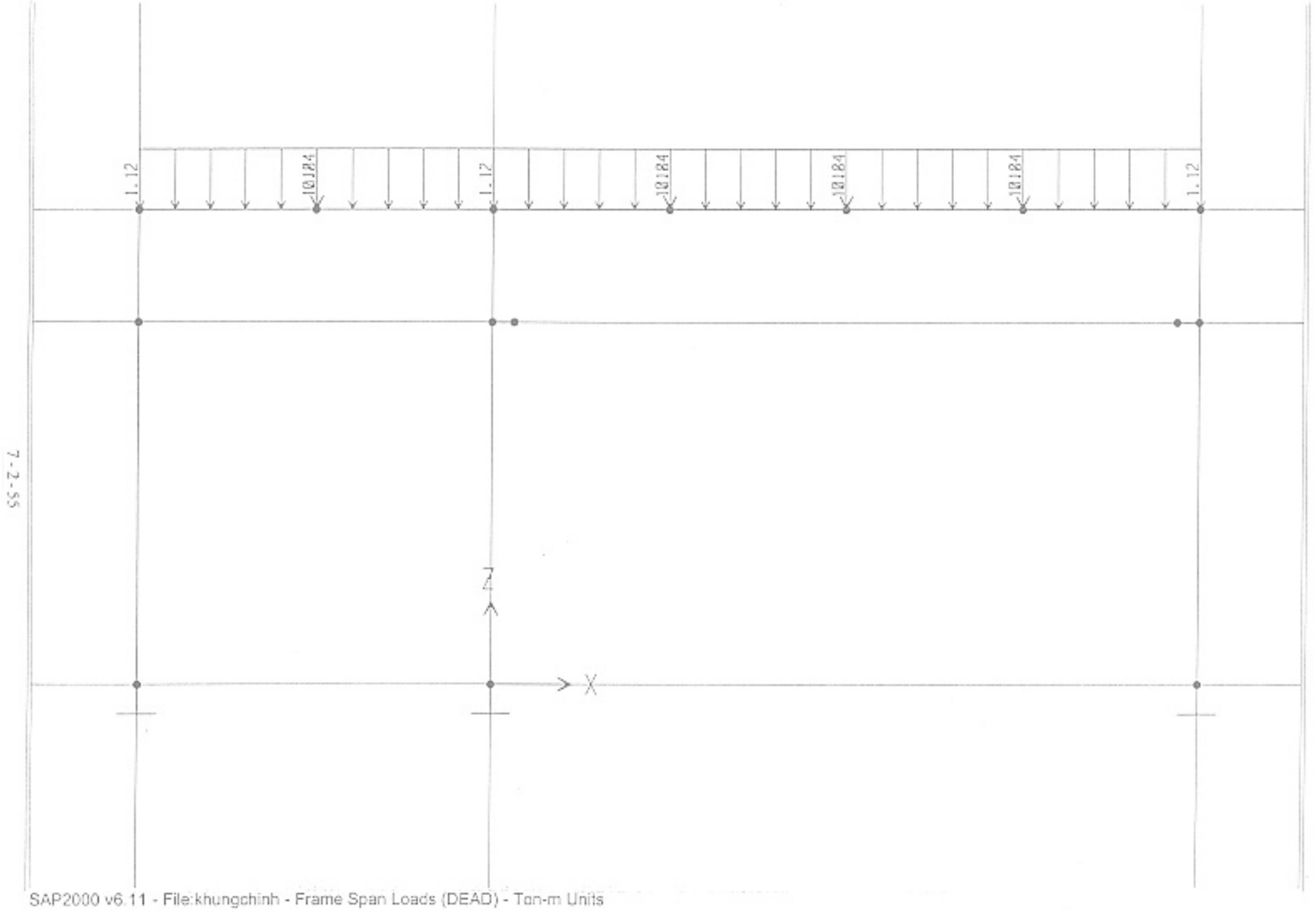
SAP2000

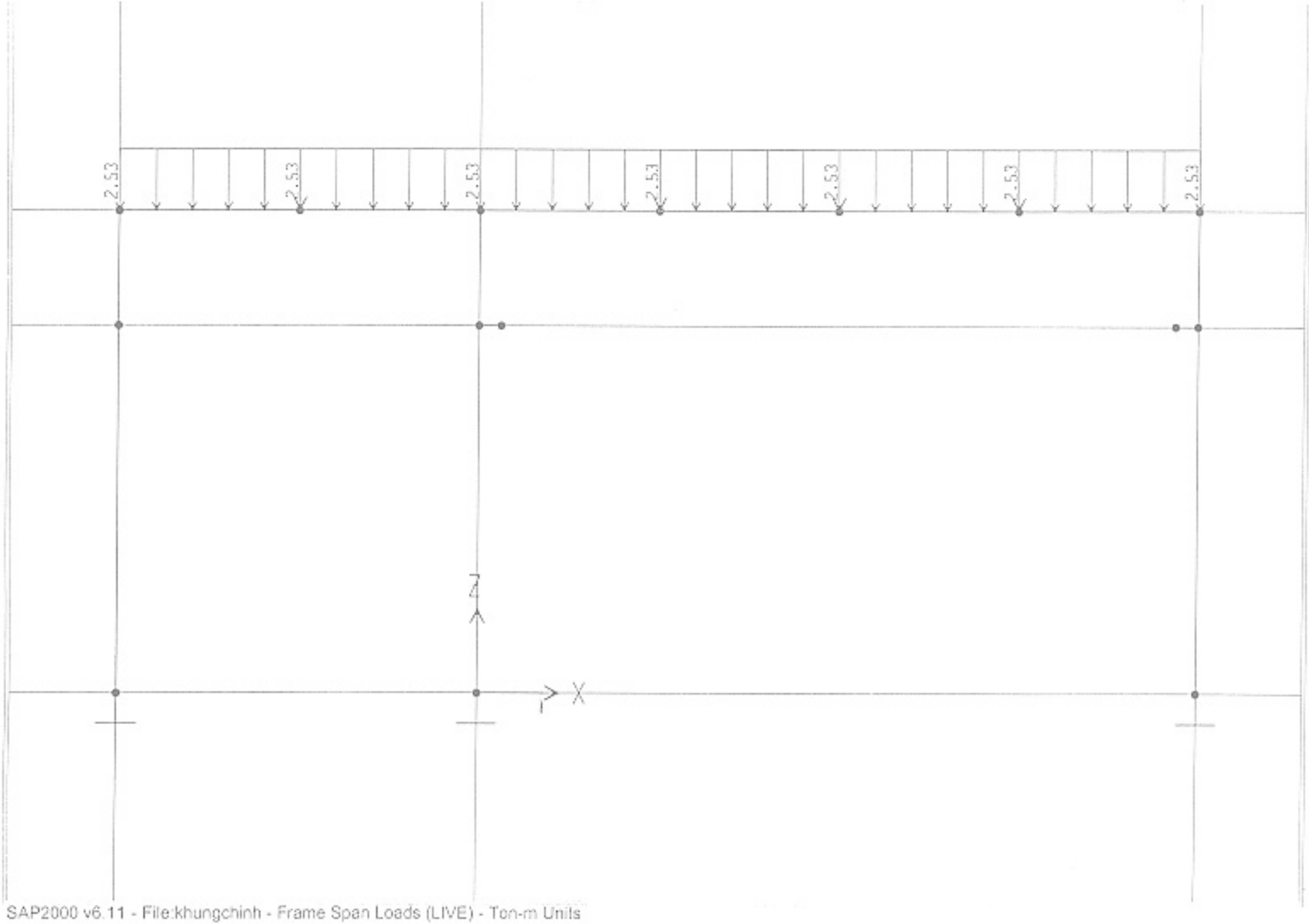
February 17,2001 9:09

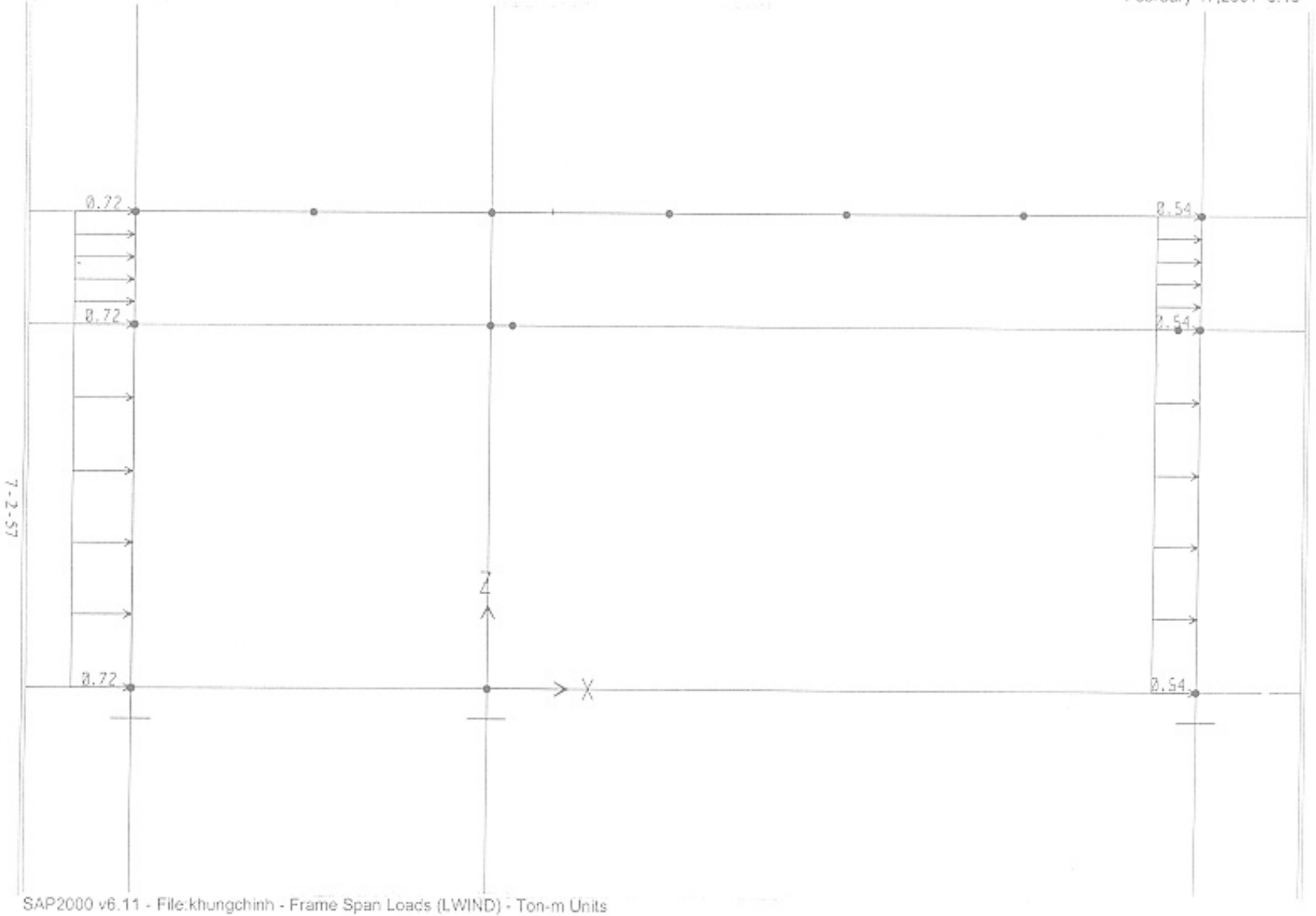


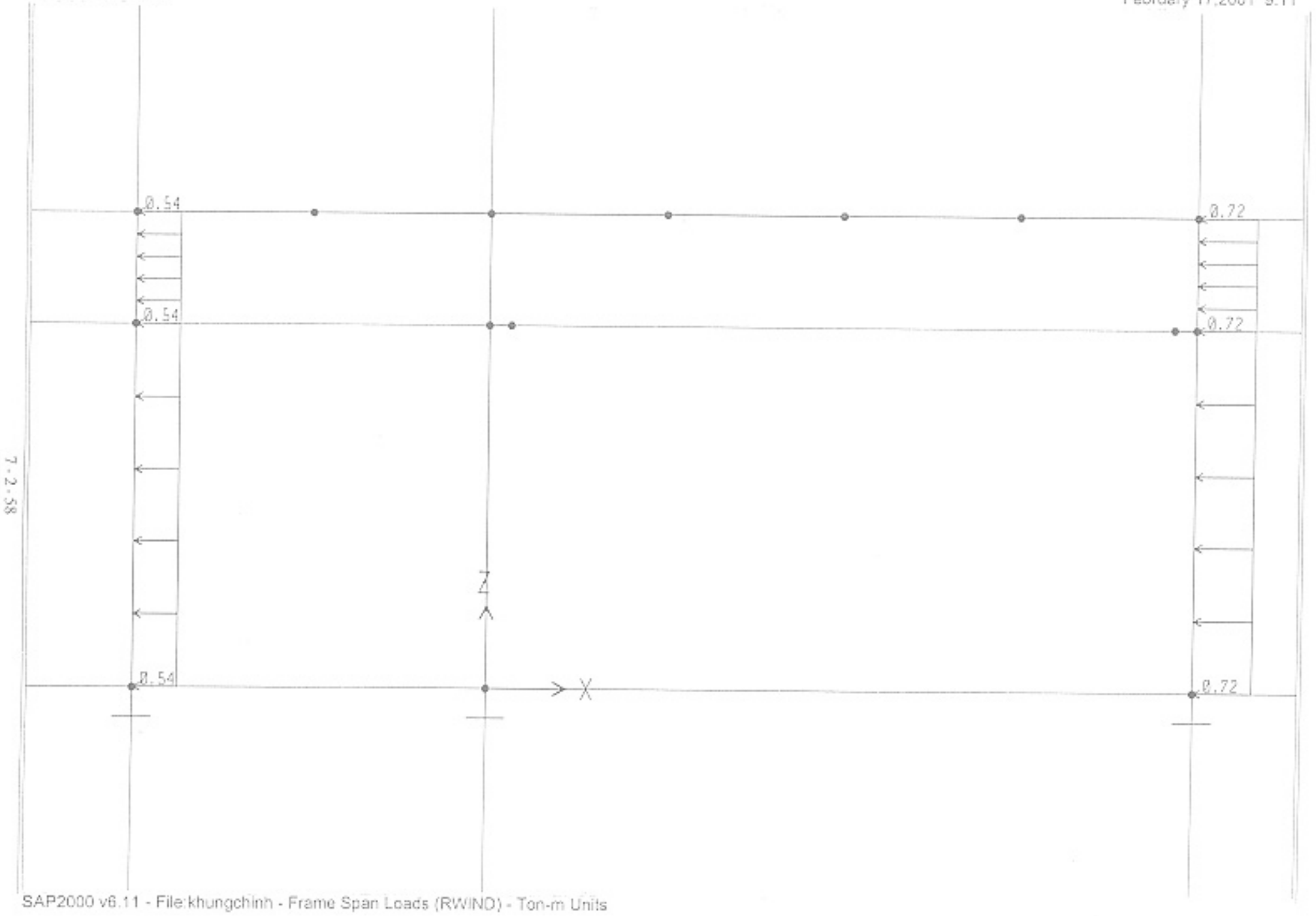
7 - 2 - 54

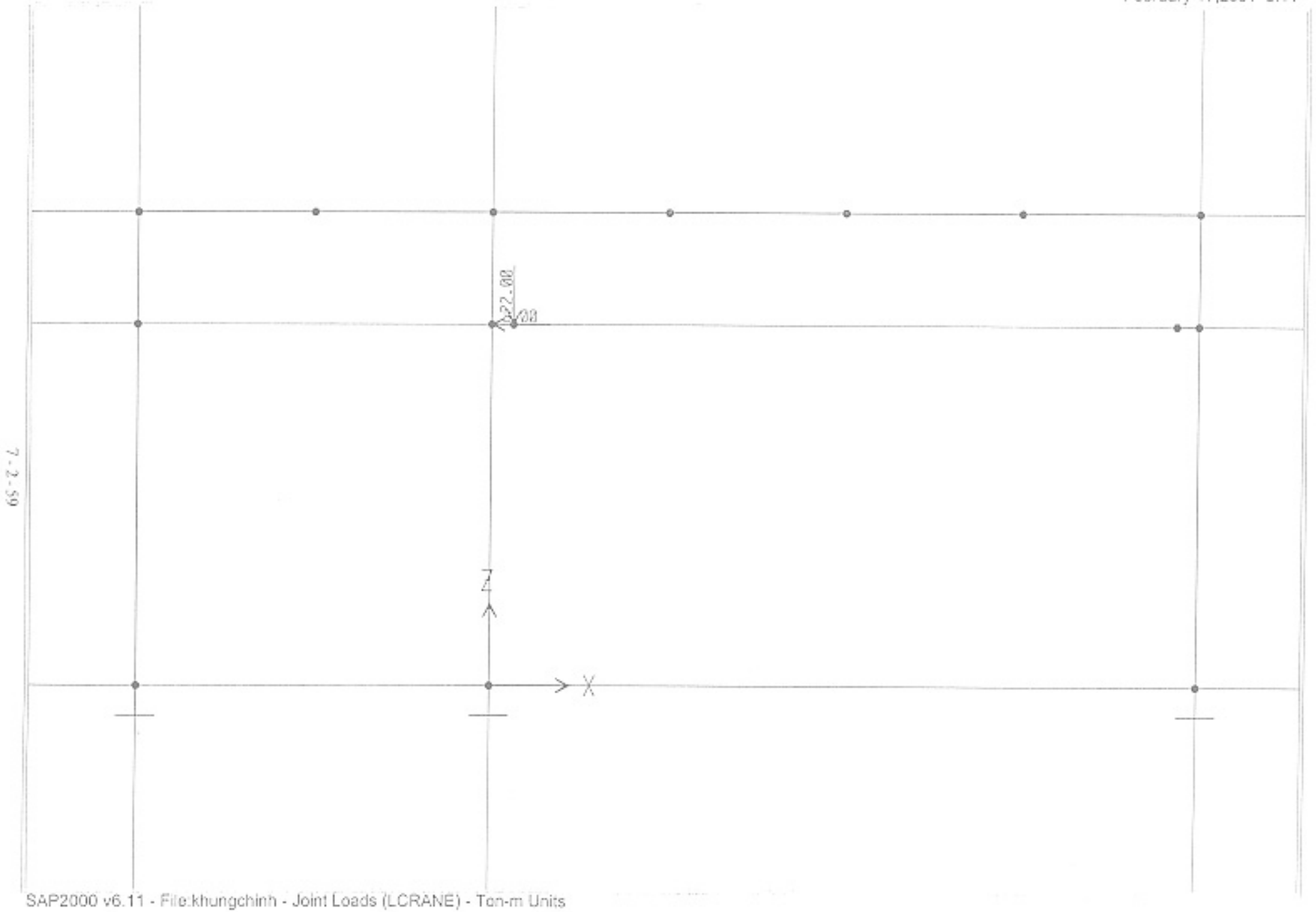
SAP2000 v6.11 - File:khungchinh - X-Z Plane @ Y=0 - Ton-m Units

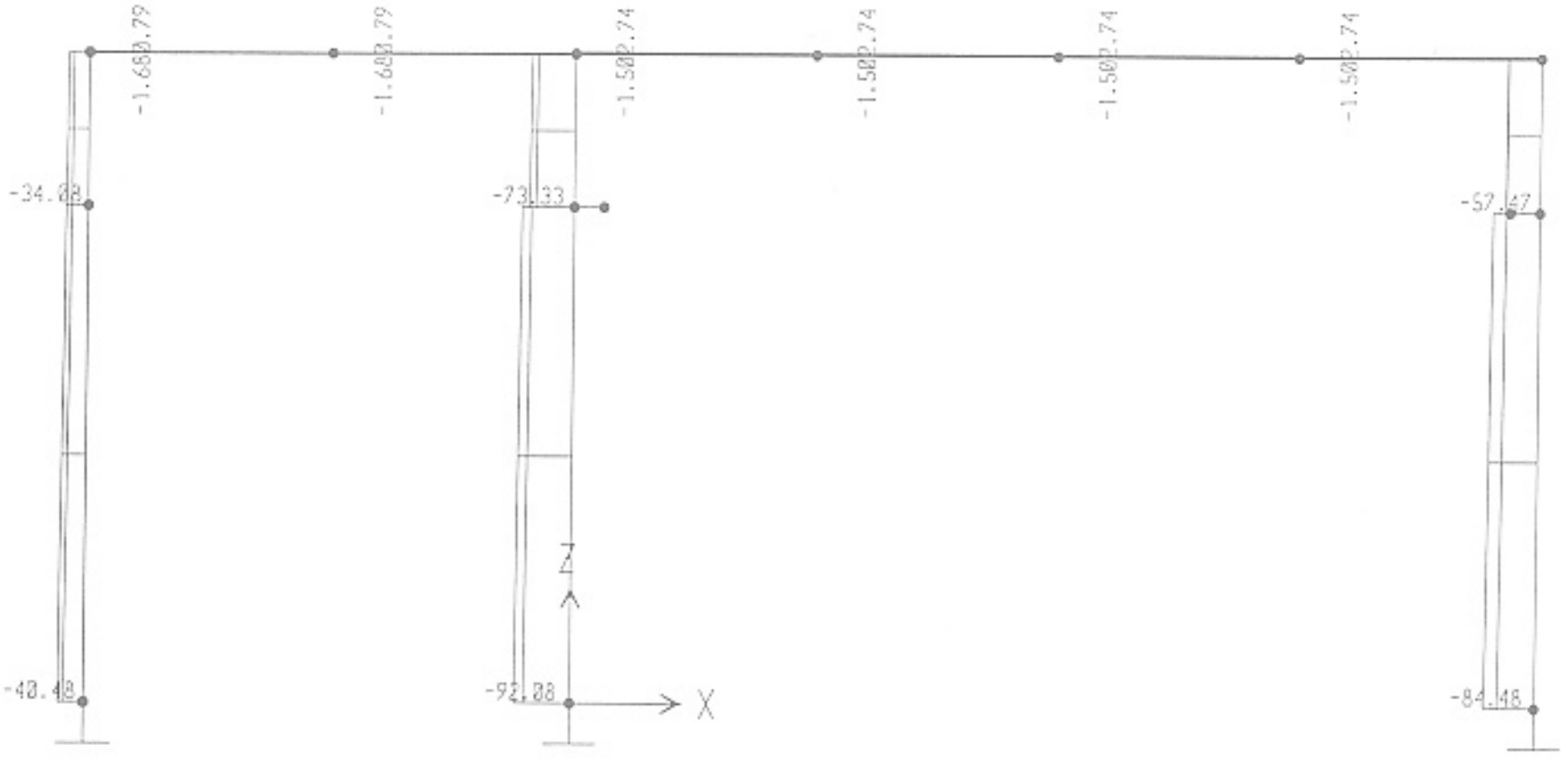

1.12
10.184
1.12
10.184
10.184
10.184
1.12
Z
X


2.53
2.53
2.53
2.53
2.53
2.53
2.53
Z
Y
X


0.72
0.72
0.72
0.54
0.54
0.54
7.2-57
Z
X

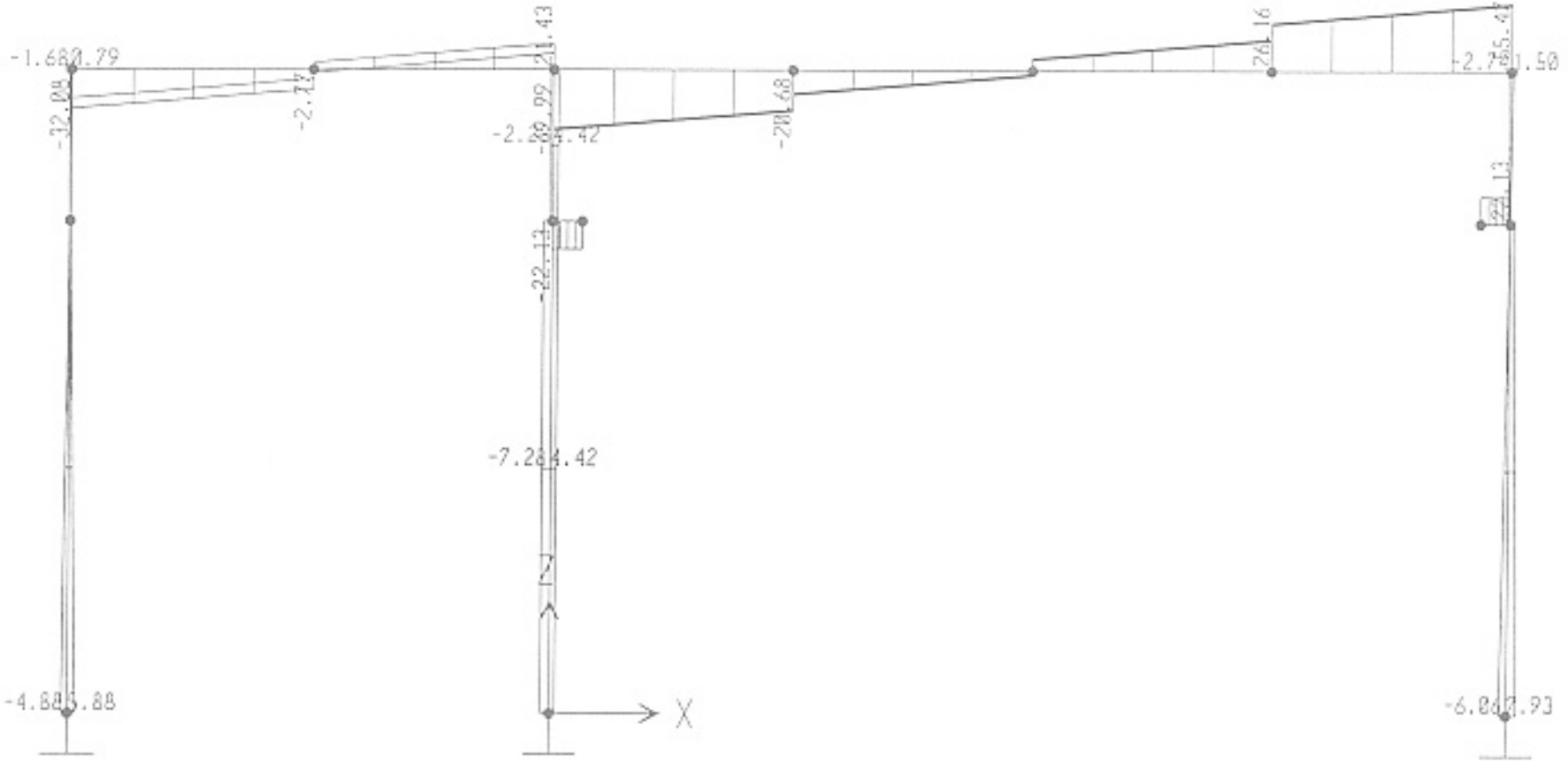

0.54
0.54
0.54
0.72
0.72
0.72
Z
X
7.2.58


22.00
Z
X


-1.680.79
-1.680.79
-1.502.74
-1.502.74
-1.502.74
-1.502.74
-34.88
-73.33
-57.47
-48.48
-92.88
-84.48
Z
X

SAP2000

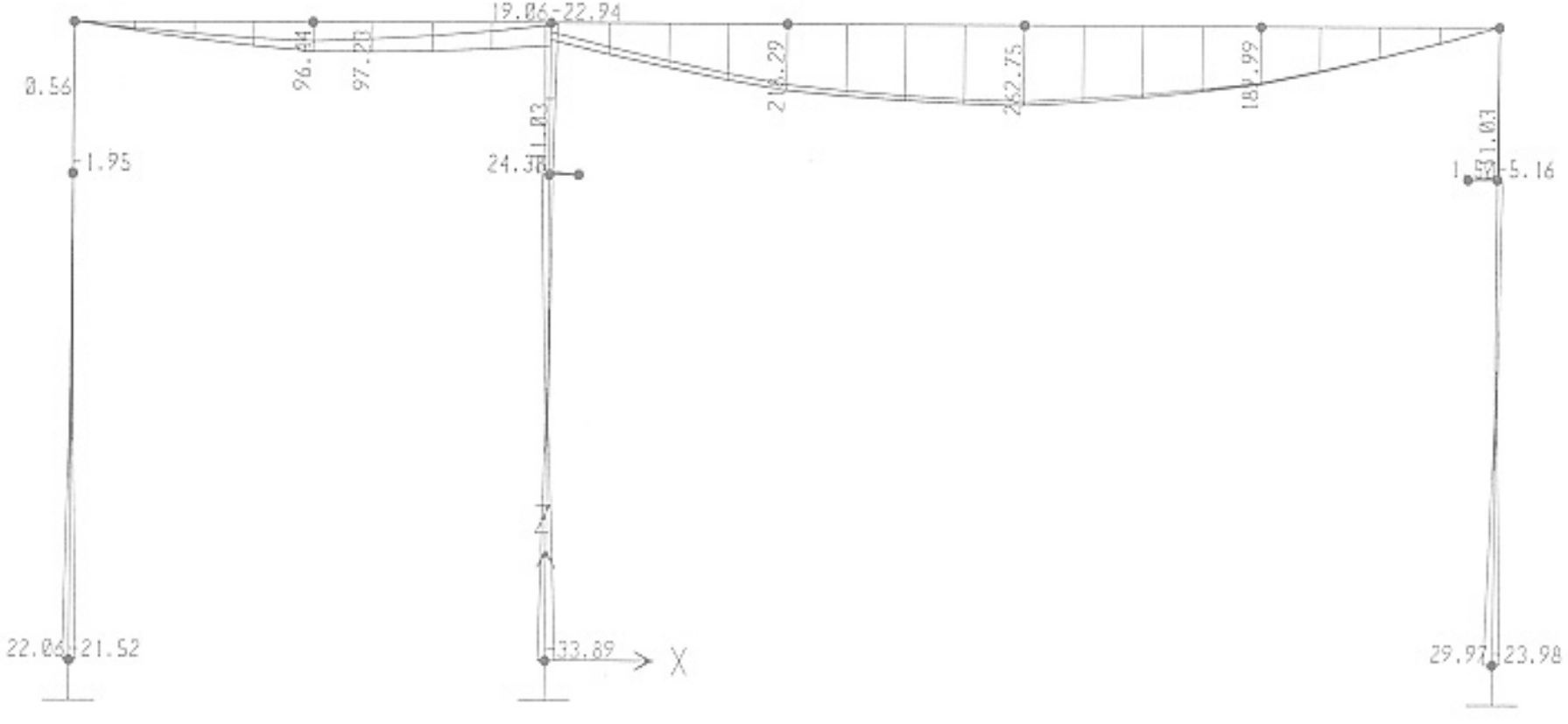
February 17,2001 9:12



SAP2000 v6.11 - File:khungchinh - Shear Force 2-2 Diagram (COMB4) - Ton-m Units

SAP2000

February 17,2001 9:12



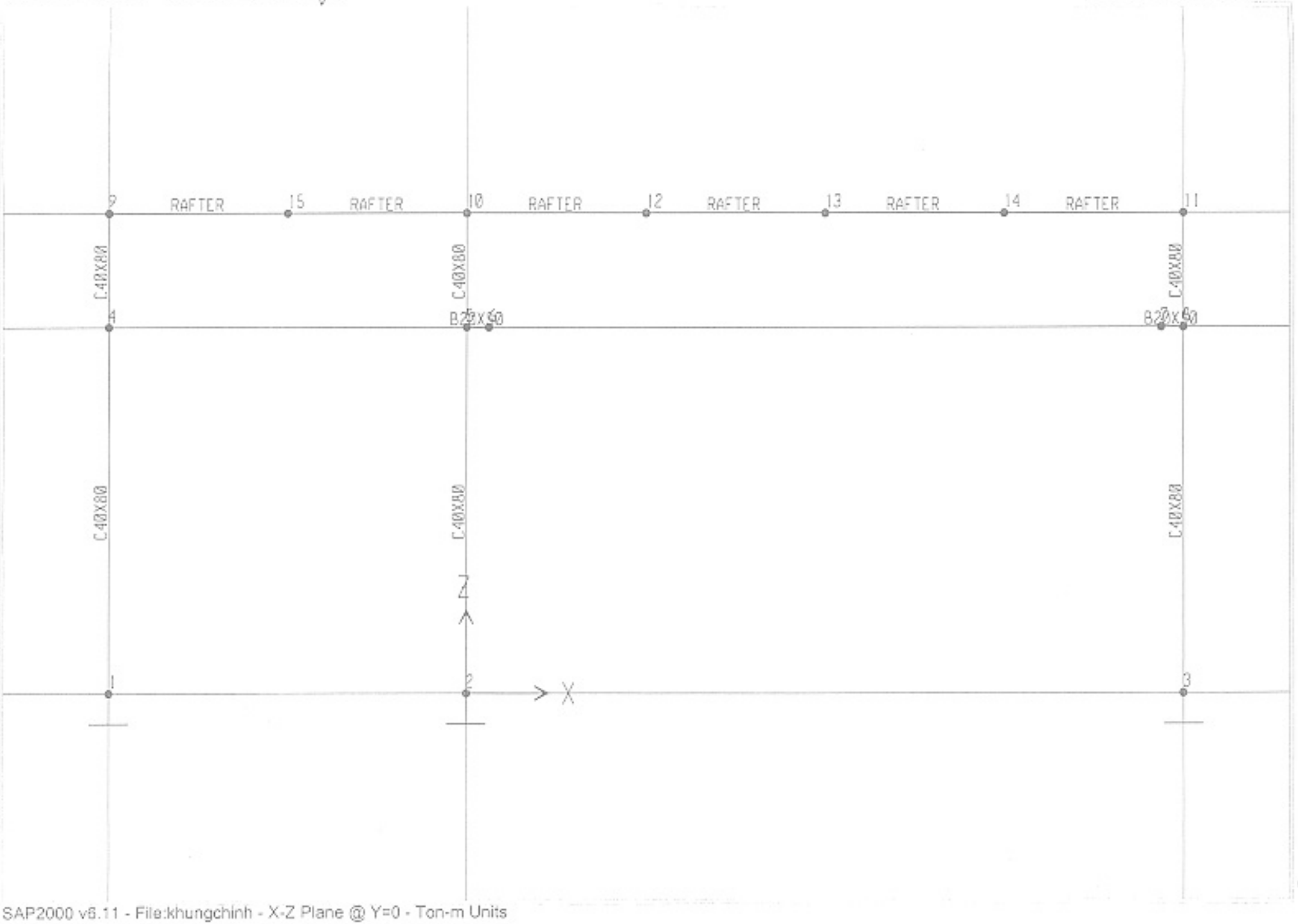
SAP2000 v6.11 - File:khungchinh - Moment 3-3 Diagram (COMB4) - Ton-m Units

SAPSTEEL V 1.2 - COPYRIGHT@2000 BY CIDECO
WRITTEN BY NGUYEN TRUONG THANH

REINFORCEMENT RESULT FOR FILE : D:\Watertreatment\cal\KETQUA\KHONGCHINH.txt
FORCE UNIT : Ton
LENGTH UNIT : m
Eb = 290000.00
Rb = 130.00
Rk = 10.00
Ra = 2000.00

ID	SEC	FA-2	MUY-2	STIRR-2	FA-3	MUY-3	STIRR-3
1	0.00	5.76	0.40	*CHECKOK	5.76	0.40	*CHECKOK
1	0.00	5.76	0.40	*CHECKOK	7.88	0.55	*CHECKOK
1	4.00	5.76	0.40	*CHECKOK	5.76	0.40	*CHECKOK
1	4.00	5.76	0.40	*CHECKOK	5.76	0.40	*CHECKOK
1	8.00	5.76	0.40	*CHECKOK	5.76	0.40	*CHECKOK
1	8.00	5.76	0.40	*CHECKOK	5.76	0.40	*CHECKOK
2	0.00	5.76	0.40	*CHECKOK	5.76	0.40	*CHECKOK
2	0.00	5.76	0.40	*CHECKOK	5.76	0.40	*CHECKOK
2	1.25	5.76	0.40	*CHECKOK	5.76	0.40	*CHECKOK
2	1.25	5.76	0.40	*CHECKOK	5.76	0.40	*CHECKOK
2	2.50	5.76	0.40	*CHECKOK	5.76	0.40	*CHECKOK
2	2.50	5.76	0.40	*CHECKOK	5.76	0.40	*CHECKOK
3	0.00	5.76	0.40	*CHECKOK	5.76	0.40	*CHECKOK
3	0.00	5.76	0.40	*CHECKOK	5.76	0.40	*CHECKOK
3	4.00	5.76	0.40	*CHECKOK	5.76	0.40	*CHECKOK
3	4.00	5.76	0.40	*CHECKOK	5.76	0.40	*CHECKOK
3	8.00	5.76	0.40	*CHECKOK	5.76	0.40	*CHECKOK
3	8.00	5.76	0.40	*CHECKOK	5.76	0.40	*CHECKOK
4	0.00	5.76	0.40	*CHECKOK	5.76	0.40	*CHECKOK
4	0.00	5.76	0.40	*CHECKOK	5.76	0.40	*CHECKOK
4	1.25	5.76	0.40	*CHECKOK	5.76	0.40	*CHECKOK
4	1.25	5.76	0.40	*CHECKOK	5.76	0.40	*CHECKOK
4	2.50	5.76	0.40	*CHECKOK	5.76	0.40	*CHECKOK
4	2.50	5.76	0.40	*CHECKOK	5.76	0.40	*CHECKOK
5	0.00	5.76	0.40	*CHECKOK	5.76	0.40	*CHECKOK
5	0.00	5.76	0.40	*CHECKOK	5.76	0.40	*CHECKOK
5	4.00	5.76	0.40	*CHECKOK	5.76	0.40	*CHECKOK
5	4.00	5.76	0.40	*CHECKOK	5.76	0.40	*CHECKOK
5	8.00	5.76	0.40	*CHECKOK	5.76	0.40	*CHECKOK
5	8.00	5.76	0.40	*CHECKOK	5.76	0.40	*CHECKOK
6	0.00	5.76	0.40	*CHECKOK	5.76	0.40	*CHECKOK
6	0.00	5.76	0.40	*CHECKOK	5.76	0.40	*CHECKOK
6	1.25	5.76	0.40	*CHECKOK	5.76	0.40	*CHECKOK
6	1.25	5.76	0.40	*CHECKOK	5.76	0.40	*CHECKOK
6	2.50	5.76	0.40	*CHECKOK	5.76	0.40	*CHECKOK
6	2.50	5.76	0.40	*CHECKOK	5.76	0.40	*CHECKOK
7	0.00	0.42	0.05	Þ6a150/3	-13.91	1.55	Þ8a110/2
7	0.00	0.42	0.05	Þ6a150/3	-0.45	0.05	Þ6a170/2
7	0.13	0.42	0.05	Þ6a150/3	-10.05	1.12	Þ8a110/2
7	0.13	0.42	0.05	Þ6a150/3	-0.45	0.05	Þ6a170/2
7	0.25	0.42	0.05	Þ6a150/3	-6.48	0.72	Þ8a110/2
7	0.25	0.42	0.05	Þ6a150/3	-0.45	0.05	Þ6a170/2
7	0.38	0.42	0.05	Þ6a150/3	-3.14	0.35	Þ8a110/2
7	0.38	0.42	0.05	Þ6a150/3	-0.45	0.05	Þ6a170/2
7	0.50	0.42	0.05	Þ6a150/3	0.45	0.05	Þ6a170/2
7	0.50	0.42	0.05	Þ6a150/3	0.45	0.05	Þ6a170/2
8	0.00	0.42	0.05	Þ6a150/3	0.45	0.05	Þ6a170/2
8	0.00	0.42	0.05	Þ6a150/3	0.45	0.05	Þ6a170/2
8	0.13	0.42	0.05	Þ6a150/3	-3.14	0.35	Þ6a170/2
8	0.13	0.42	0.05	Þ6a150/3	-0.45	0.05	Þ6a170/2
8	0.25	0.42	0.05	Þ6a150/3	-6.48	0.72	Þ6a170/2
8	0.25	0.42	0.05	Þ6a150/3	-0.45	0.05	Þ6a170/2
8	0.38	0.42	0.05	Þ6a150/3	-10.05	1.12	Þ6a170/2
8	0.38	0.42	0.05	Þ6a150/3	-0.45	0.05	Þ6a170/2
8	0.50	0.42	0.05	Þ6a150/3	-13.91	1.55	Þ6a170/2
8	0.50	0.42	0.05	Þ6a150/3	-0.45	0.05	Þ6a170/2
9	0.00	3.24	0.05	Þ6a200/3	3.24	0.05	Þ6a300/3
9	0.00	3.24	0.05	Þ6a200/3	3.24	0.05	Þ6a300/3
9	1.00	3.24	0.05	Þ6a200/3	10.23	0.16	Þ6a300/3
9	1.00	3.24	0.05	Þ6a200/3	14.17	0.22	Þ6a300/3
9	2.00	3.24	0.05	Þ6a200/3	18.77	0.29	Þ6a300/3
9	2.00	3.24	0.05	Þ6a200/3	26.87	0.41	Þ6a300/3
9	3.00	3.24	0.05	Þ6a200/3	25.54	0.39	Þ6a300/3
9	3.00	3.24	0.05	Þ6a200/3	37.97	0.59	Þ6a300/3
9	4.00	3.24	0.05	Þ6a200/3	30.43	0.47	Þ6a300/3
9	4.00	3.24	0.05	Þ6a200/3	47.30	0.73	Þ6a300/3

10	0.00	3.24	0.05	Þ6a200/3	30.43	0.47	Þ6a300/3
10	0.00	3.24	0.05	Þ6a200/3	47.30	0.73	Þ6a300/3
10	1.00	3.24	0.05	Þ6a200/3	26.72	0.41	Þ6a300/3
10	1.00	3.24	0.05	Þ6a200/3	47.72	0.74	Þ6a300/3
10	2.00	3.24	0.05	Þ6a200/3	21.08	0.33	Þ6a300/3
10	2.00	3.24	0.05	Þ6a200/3	46.04	0.71	Þ6a300/3
10	3.00	3.24	0.05	Þ6a200/3	13.62	0.21	Þ6a300/3
10	3.00	3.24	0.05	Þ6a200/3	42.33	0.65	Þ6a300/3
10	4.00	3.24	0.05	Þ6a200/3	4.42	0.07	Þ6a300/3
10	4.00	3.24	0.05	Þ6a200/3	36.62	0.57	Þ6a300/3
11	0.00	3.24	0.05	Þ6a200/3	14.61	0.23	Þ8a300/3
11	0.00	3.24	0.05	Þ6a200/3	27.07	0.42	Þ8a300/3
11	1.00	3.24	0.05	Þ6a200/3	38.33	0.59	Þ8a300/3
11	1.00	3.24	0.05	Þ6a200/3	50.74	0.78	Þ8a300/3
11	2.00	3.24	0.05	Þ6a200/3	61.44	0.95	Þ8a300/3
11	2.00	3.24	0.05	Þ6a200/3	73.78	1.14	Þ8a300/3
11	3.00	3.24	0.05	Þ6a200/3	83.83	1.29	Þ6a300/3
11	3.00	3.24	0.05	Þ6a200/3	96.07	1.48	Þ6a300/3
11	4.00	3.24	0.05	Þ6a200/3	105.35	1.63	Þ6a300/3
11	4.00	3.24	0.05	Þ6a200/3	117.43	1.81	Þ6a300/3
12	0.00	3.24	0.05	Þ6a200/3	105.35	1.63	Þ6a300/3
12	0.00	3.24	0.05	Þ6a200/3	117.43	1.81	Þ6a300/3
12	1.00	3.24	0.05	Þ6a200/3	117.12	1.81	Þ6a300/3
12	1.00	3.24	0.05	Þ6a200/3	128.61	1.98	Þ6a300/3
12	2.00	3.24	0.05	Þ6a200/3	126.69	1.96	Þ6a300/3
12	2.00	3.24	0.05	Þ6a200/3	137.48	2.12	Þ6a300/3
12	3.00	3.24	0.05	Þ6a200/3	133.88	2.07	Þ6a300/3
12	3.00	3.24	0.05	Þ6a200/3	143.02	2.22	Þ6a300/3
12	4.00	3.24	0.05	Þ6a200/3	138.49	2.14	Þ6a300/3
12	4.00	3.24	0.05	Þ6a200/3	147.45	2.28	Þ6a300/3
13	0.00	3.24	0.05	Þ6a200/3	138.49	2.14	Þ6a300/3
13	0.00	3.24	0.05	Þ6a200/3	147.45	2.28	Þ6a300/3
13	1.00	3.24	0.05	Þ6a200/3	131.26	2.03	Þ6a300/3
13	1.00	3.24	0.05	Þ6a200/3	138.89	2.14	Þ6a300/3
13	2.00	3.24	0.05	Þ6a200/3	121.61	1.88	Þ6a300/3
13	2.00	3.24	0.05	Þ6a200/3	127.91	1.97	Þ6a300/3
13	3.00	3.24	0.05	Þ6a200/3	109.74	1.69	Þ6a300/3
13	3.00	3.24	0.05	Þ6a200/3	114.79	1.77	Þ6a300/3
13	4.00	3.24	0.05	Þ6a200/3	95.92	1.48	Þ6a300/3
13	4.00	3.24	0.05	Þ6a200/3	99.78	1.54	Þ6a300/3
14	0.00	3.24	0.05	Þ6a200/3	95.92	1.48	Þ6a300/3
14	0.00	3.24	0.05	Þ6a200/3	99.78	1.54	Þ8a300/3
14	1.00	3.24	0.05	Þ6a200/3	72.81	1.12	Þ8a300/3
14	1.00	3.24	0.05	Þ6a200/3	75.50	1.17	Þ8a300/3
14	2.00	3.24	0.05	Þ6a200/3	49.05	0.76	Þ8a300/3
14	2.00	3.24	0.05	Þ6a200/3	50.72	0.78	Þ8a300/3
14	3.00	3.24	0.05	Þ6a200/3	24.74	0.38	Þ8a300/3
14	3.00	3.24	0.05	Þ6a200/3	25.53	0.39	Þ8a300/3
14	4.00	3.24	0.05	Þ6a200/3	3.24	0.05	Þ8a300/3
14	4.00	3.24	0.05	Þ6a200/3	3.24	0.05	Þ8a300/3


9
RAFTER
15
RAFTER
10
RAFTER
12
RAFTER
13
RAFTER
14
RAFTER
11
C40X80
C40X80
C40X80
4
B20X60
B20X60
C40X80
C40X80
C40X80
Z
1
2
X
3

L O A D C O M B I N A T I O N M U L T I P L I E R S

COMBO	TYPE	CASE	FACTOR	TYPE	TITLE
COMB1	ADD				DEAD+LIVE
		DEAD	1.0000	STATIC(DEAD)	
		LIVE	1.0000	STATIC(LIVE)	
COMB2	ADD				DEAD+LIVE+LWIND+RCRANE
		DEAD	1.0000	STATIC(DEAD)	
		LIVE	1.0000	STATIC(LIVE)	
		LWIND	1.0000	STATIC(WIND)	
		RCRANE	1.0000	STATIC(OTHER)	
COMB3	ADD				DEAD+LIVE+RWIND+LCRANE
		DEAD	1.0000	STATIC(DEAD)	
		LIVE	1.0000	STATIC(LIVE)	
		RWIND	1.0000	STATIC(WIND)	
		LCRANE	1.0000	STATIC(OTHER)	
COMB4	ENVE				COMB4
		COMB1	1.0000	COMBO	
		COMB2	1.0000	COMBO	
		COMB3	1.0000	COMBO	

J O I N T R E A C T I O N S

JOINT	LOAD	F1	F2	F3	M1	M2	M3
1	COMB1	-0.0220	0.0000	34.9570	0.0000	-0.2307	0.0000
1	COMB2	-5.8814	0.0000	32.2092	0.0000	-22.0642	0.0000
1	COMB3	4.8847	0.0000	40.4793	0.0000	21.5222	0.0000
1	COMB4 MAX	4.8847	0.0000	40.4793	0.0000	21.5222	0.0000
1	COMB4 MIN	-5.8814	0.0000	32.2092	0.0000	-22.0642	0.0000
2	COMB1	0.0481	0.0000	77.1996	0.0000	0.0107	0.0000
2	COMB2	-4.4181	0.0000	79.8589	0.0000	-23.4862	0.0000
2	COMB3	7.2845	0.0000	92.0788	0.0000	33.8929	0.0000
2	COMB4 MAX	7.2845	0.0000	92.0788	0.0000	33.8929	0.0000

(Blower Building)

2	COMB4	MIN	-4.4181	0.0000	77.1996	0.0000	-23.4862	0.0000
3	COMB1		-0.0262	0.0000	62.3916	0.0000	-0.2435	0.0000
3	COMB2		-7.9305	0.0000	84.4802	0.0000	-29.9715	0.0000
3	COMB3		6.0607	0.0000	63.9903	0.0000	23.9791	0.0000
3	COMB4	MAX	6.0607	0.0000	84.4802	0.0000	23.9791	0.0000
3	COMB4	MIN	-7.9305	0.0000	62.3916	0.0000	-29.9715	0.0000

7.2.5

Main Building

PROJECT : WASTE WATER TREATMENT PLANT

ITEM : MAIN OFFICE BUILDING : 4

STRUCTURAL CALCULATION SHEET

STRUCTURAL ANALYSIS ITEMS :

A. MAIN FRAME STRUCTURAL ANALYSIS

B. ATTACHED RESULT SHEETS

STRUCTURAL CALCULATION SHEET

* Project : Wastewater Treatment Plant

* Item : Main Office Building

Part I : CALCULATION OF LOAD

A. DEAD LOAD :

- Second Floor :

No.	Material	Calculation	Applying load(kg/m^2)
1	120 THK R.C slab	2500x0.12	300
2	30mm THK cement mortar	1800x0.03	54
3	Tile brick		44
		TOTAL	g^{tc}= 400 kg/m^2

- Roof Floor :

No.	Material	Calculation	Applying load(kg/m^2)
1	100 THK R.C slab	2500x0.1	250
2	30mm THK cement mortar	1800x0.03	54
3	Steel purlin, metal roof sheet		30
		TOTAL	g^{tc}= 330 kg/m^2

B. LIVE LOAD :

- Live load to be taken based on Vietnamese Standard TCVN 2737-1995 :

  * Second floor : p^{tc} = 200 kg/m^2

  * Roof : p^{tc} = 75 kg/m^2

- Load safety factor was not mentioned on above calculation because it will be included in structural analysis progress (see attached calculation sheet)

- Uniform load applying to beam to be shown on attached calculation sheet

C. WIND LOAD :

- Wind load imposed on project to be calculated based on Vietnamese Standard TCVN 2737-1995

- Wind load is calculated as follows :

  $W^{tc} = nxW^{tc}_o xkxC$, where :

  n : load safety factor, taken as n=1

  W^{tc}_o : standard wind pressure, area IIA, W_o^{tc} = 83 kg/m^2

  k : factor due to affect of project height and topography

  C : factor of dynamic wind , C=0.8 for the area where wind load imposes directly, C=0.6 for the opposite side

  - Refer to calculation sheet for further informations

Part II : STRUCTURAL ANALYSIS PROGRESS

- The structure of Main Office Building to be calculated by structural analysis program SAP2000
- The structural diagram is modelled as a frame with rigid connection at first floor elevation
- All details about input load, beam and column section, static load case and load combination to be shown on calculation sheet
- Refer to attached result sheets for calcaluted value of stress, displacement, steel area for beam and column elements

Part III : LOAD COMBINATION

- **Static Load Cases :**

Load case mark	Description
TINHTAI	Roof dead load
HOATTAI	Roof live load
WINDX	Wind load (along X axis)
WINDY	Wind load (along Y axis)
FAN	Loadding of roof fan

- **Load Combination**

Load combination	Description
COMB1	TINHTAI+HOATTAI+WINDX+FAN
COMB2	TINHTAI+HOATTAI+WINDY+FAN
COMB3	Envelop value of above combinations

SLAB DATA

Project: Waste Water Treatment Plan
Item: Main Office Building

Symbol	Slab Sizes			Dead load				Live load	
	l_x	l_y	h	Tile	Mortar	Others	Total	Standard	Total
	m	m	cm	(0/1)	(cm)	(kg/m^2)	(kg/m^2)	(kg/m^2)	(kg/m^2)
1	5.00	8.00	12	1	3		400	200	200
2	5.00	4.00	12	1	3		400	200	200
3	6.00	8.00	12	1	3		400	200	200
4	6.00	4.00	12	1	3		400	200	200
5	8.00	8.00	12	1	3		400	200	200
6	8.00	4.00	12	1	3		400	200	200
7	5.00	8.00	10		3	30	330	75	75
8	5.00	4.00	10		3	30	330	75	75
9	6.00	8.00	10		3	30	330	75	75
10	6.00	4.00	10		3	30	330	75	75
11	8.00	8.00	10		3	30	330	75	75
12	8.00	4.00	10		3	30	330	75	75
13	5.00	8.00	12		3	1000	1350	75	75
14	5.00	8.00	15		3	500	930		0

SLAB CALCULATION SHEET

Project: Waste Water Treatment Plan
Item: Main Office Building
Reinforcement

Symbol	l_1	l_2	h	P	Rebar (calculation)				Rebar (Selection)							
	(m)	(m)	(cm)	(kg)	Fa_1	Fa_{g1}	Fa_2	Fa_{g2}	Fa_1		Fa_{g1}		Fa_2		Fa_{g2}	
					(cm^2)	(cm^2)	(cm^2)	(cm^2)	ϕ	@	ϕ	@	ϕ	@	ϕ	@
1	5.00	8.00	12	24000	2.88	6.34	1.25	2.78	10	270	12	180	8	400	10	280
2	4.00	5.00	12	12000	1.45	3.32	1.04	2.38	8	350	12	340	8	480	10	330
3	6.00	8.00	12	28800	3.53	7.99	2.21	5.05	10	220	12	140	8	230	10	160
4	4.00	6.00	12	14400	1.75	3.91	0.88	1.94	8	290	12	290	8	570	10	410
5	8.00	8.00	12	38400	4.02	9.36	4.49	10.47	10	200	14	160	10	170	14	150
6	4.00	8.00	12	19200	2.05	4.40	0.58	1.23	8	240	12	260	8	870	10	640
7	5.00	8.00	10	16200	2.46	5.42	1.11	2.43	10	320	12	210	10	710	10	320
8	4.00	5.00	10	8100	1.24	2.84	0.92	2.10	10	630	12	400	10	850	10	370
9	6.00	8.00	10	19440	3.01	6.83	1.96	4.46	10	260	12	170	10	400	10	180
10	4.00	6.00	10	9720	1.50	3.34	0.77	1.71	10	520	12	340	10	1020	10	460
11	8.00	8.00	10	25920	3.44	8.01	3.97	9.24	10	230	12	140	10	200	12	120
12	4.00	8.00	10	12960	1.76	3.76	0.51	1.09	10	450	12	300	10	1540	10	720
13	5.00	8.00	12	57000	6.83	15.07	2.98	6.59	10	110	14	100	10	260	14	230
14	5.00	8.00	15	37200	3.39	7.47	1.44	3.18	10	230	14	210	10	550	14	480

FRAME LOAD SHEET

Project
Item

Frame ID	1st Slab Symbol		2nd Slab Symbol		Wall	Dead load	Live load
	Long	Short	Long	Short	(kg/m)	(kg/m)	(kg/m)
49		1			1440.00	2065.00	312.50
50		1			1440.00	2065.00	312.50
51		3			1440.00	2190.00	375.00
52		5			1440.00	2440.00	500.00
53		3			1440.00	2190.00	375.00
54		1			1440.00	2065.00	312.50
55		1			1440.00	2065.00	312.50
56		1	2		1440.00	2660.20	610.10
57		1	2		1440.00	2660.20	610.10
58		3	4		1440.00	2841.85	700.93
59		5	6		1440.00	3152.50	856.25
60		3	4		1440.00	2841.85	700.93
61		1	2		1440.00	2660.20	610.10
62		1	2		1440.00	2660.20	610.10
63		1	2		1440.00	2660.20	610.10
64		1	2		1440.00	2660.20	610.10
65		3	4		1440.00	2841.85	700.93
66		5	6		1440.00	3152.50	856.25
67		3	4		1440.00	2841.85	700.93
68		1	2		1440.00	2660.20	610.10
69		1	2		1440.00	2660.20	610.10
70		1			1440.00	2065.00	312.50
71		1			1440.00	2065.00	312.50
72		3			1440.00	2190.00	375.00
73		5			1440.00	2440.00	500.00
74		3			1440.00	2190.00	375.00
75		1			1440.00	2065.00	312.50
76		1			1440.00	2065.00	312.50
77	1				1440.00	2275.21	417.60
78		2			1440.00	1940.00	250.00
79	1				1440.00	2275.21	417.60
80	1		1		1440.00	3110.41	835.21
81		2		2	1440.00	2440.00	500.00
82	1		1		1440.00	3110.41	835.21
83	1		3		1440.00	3200.99	880.49
84		2		4	1440.00	2440.00	500.00

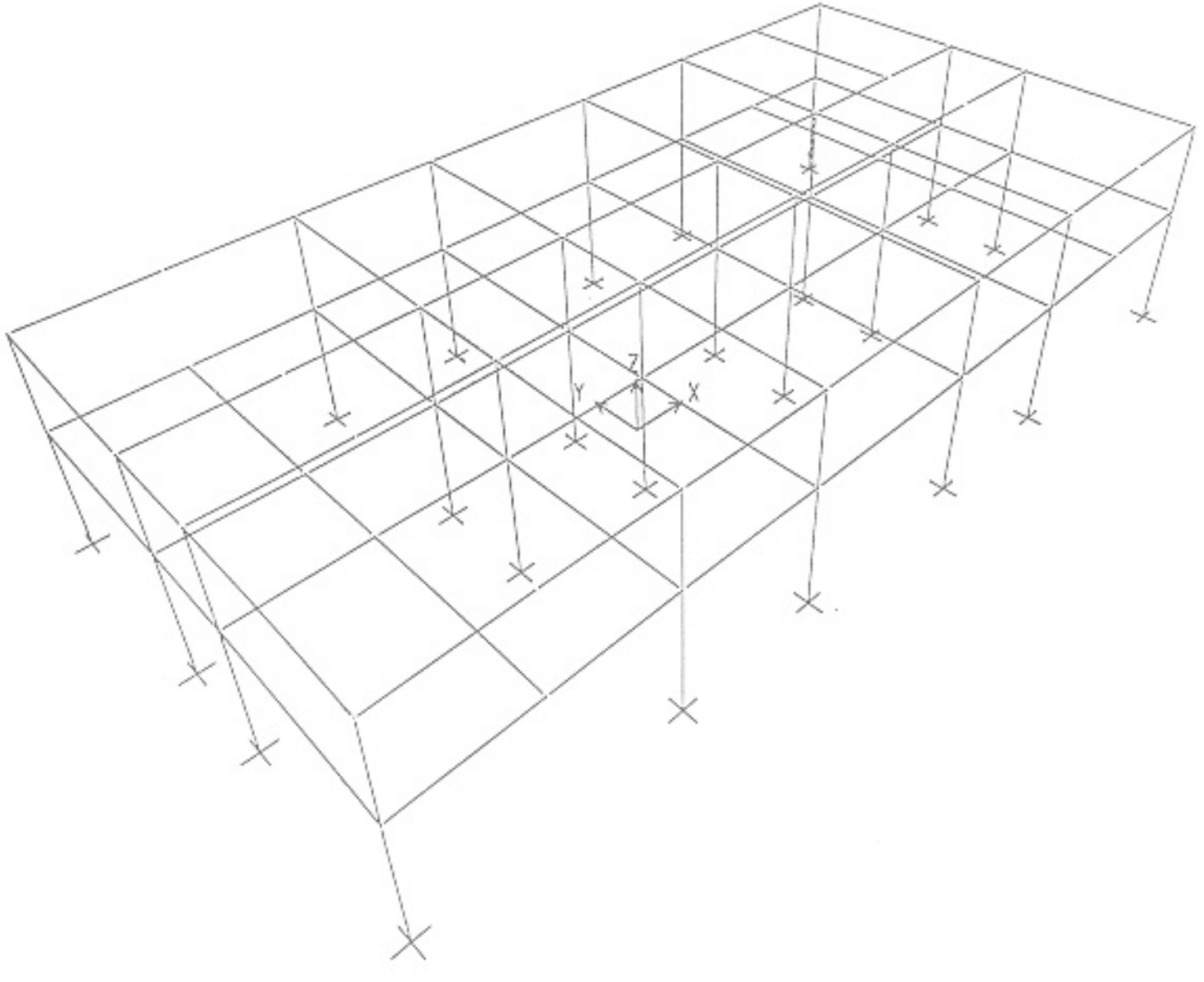
85	1		3		1440.00	3200.99	880.49
86	5		3		1440.00	3365.78	962.89
87		6		4	1440.00	2440.00	500.00
88	5		3		1440.00	3365.78	962.89
89	5		3		1440.00	3365.78	962.89
90		6		4	1440.00	2440.00	500.00
91	5		3		1440.00	3365.78	962.89
92	1		3		1440.00	3200.99	880.49
93		2		4	1440.00	2440.00	500.00
94	1		3		1440.00	3200.99	880.49
95	1		1		1440.00	3110.41	835.21
96		2		2	1440.00	2440.00	500.00
97	1		1		1440.00	3110.41	835.21
98	1				1440.00	2275.21	417.60
99		2			1440.00	1940.00	250.00
100	1					835.21	417.60
101		7				515.63	117.19
102		7				515.63	117.19
103		9				618.75	140.63
104		11				825.00	187.50
105		9				618.75	140.63
106		7				515.63	117.19
107		7				515.63	117.19
108		7	8			1006.67	228.79
109		7	8			1006.67	228.79
110		9	10			1156.53	262.85
111		11	12			1412.81	321.09
112		9	10			1156.53	262.85
113		7	8			1006.67	228.79
114		7	8			1006.67	228.79
115		7	8			1006.67	228.79
116		7	8			1006.67	228.79
117		9	10			1156.53	262.85
118		11	12			1412.81	321.09
119		9	10			1156.53	262.85
120		13				2109.38	117.19
121		13				2109.38	117.19
122		7				515.63	117.19
123		7				515.63	117.19
124		9				618.75	140.63
125		11				825.00	187.50
126		9				618.75	140.63
127		13				2109.38	117.19
128		13				2109.38	117.19

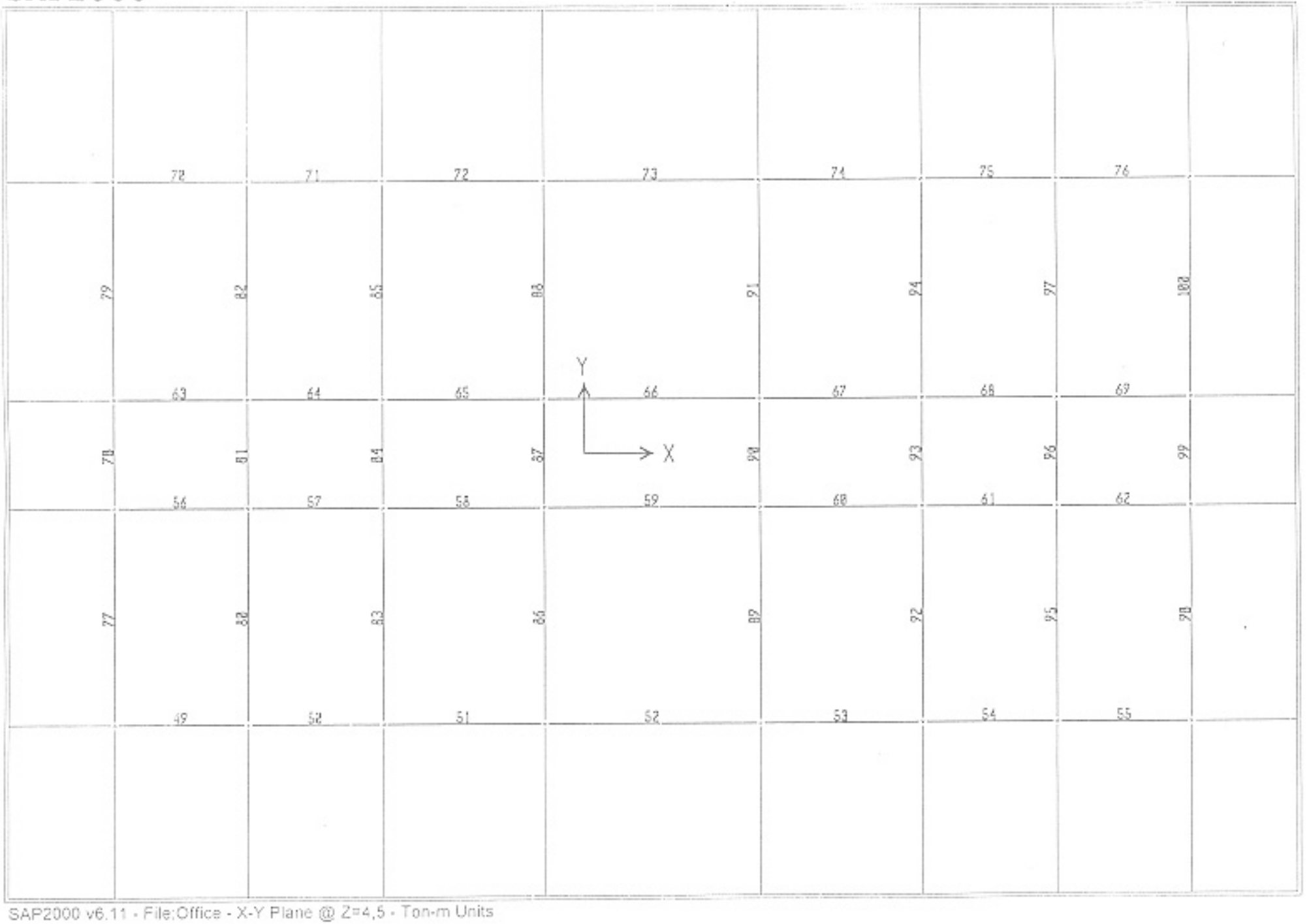
129	7					689.04	156.60
130		8				412.50	93.75
131	7					689.04	156.60
132	7		7			1378.09	313.20
133		8		8		825.00	187.50
134	7		7			1378.09	313.20
135	7		9			1452.81	330.18
136		8		10		825.00	187.50
137	7		9			1452.81	330.18
138	11		9			1588.77	361.08
139		12		10		825.00	187.50
140	11		9			1588.77	361.08
141	11		9			1588.77	361.08
142		12		10		825.00	187.50
143	11		9			1588.77	361.08
144	7		9			1452.81	330.18
145		8		10		825.00	187.50
146	13		9			3582.59	330.18
147	7		7			1378.09	313.20
148		8		8		825.00	187.50
149	13		13			5637.63	313.20
150	7					689.04	156.60
151		8				412.50	93.75
152	13					2818.82	156.60
1		14				1453.13	0.00
2	14					1941.85	0.00

PROJECT : WASTE WATER TREATMENT PLANT

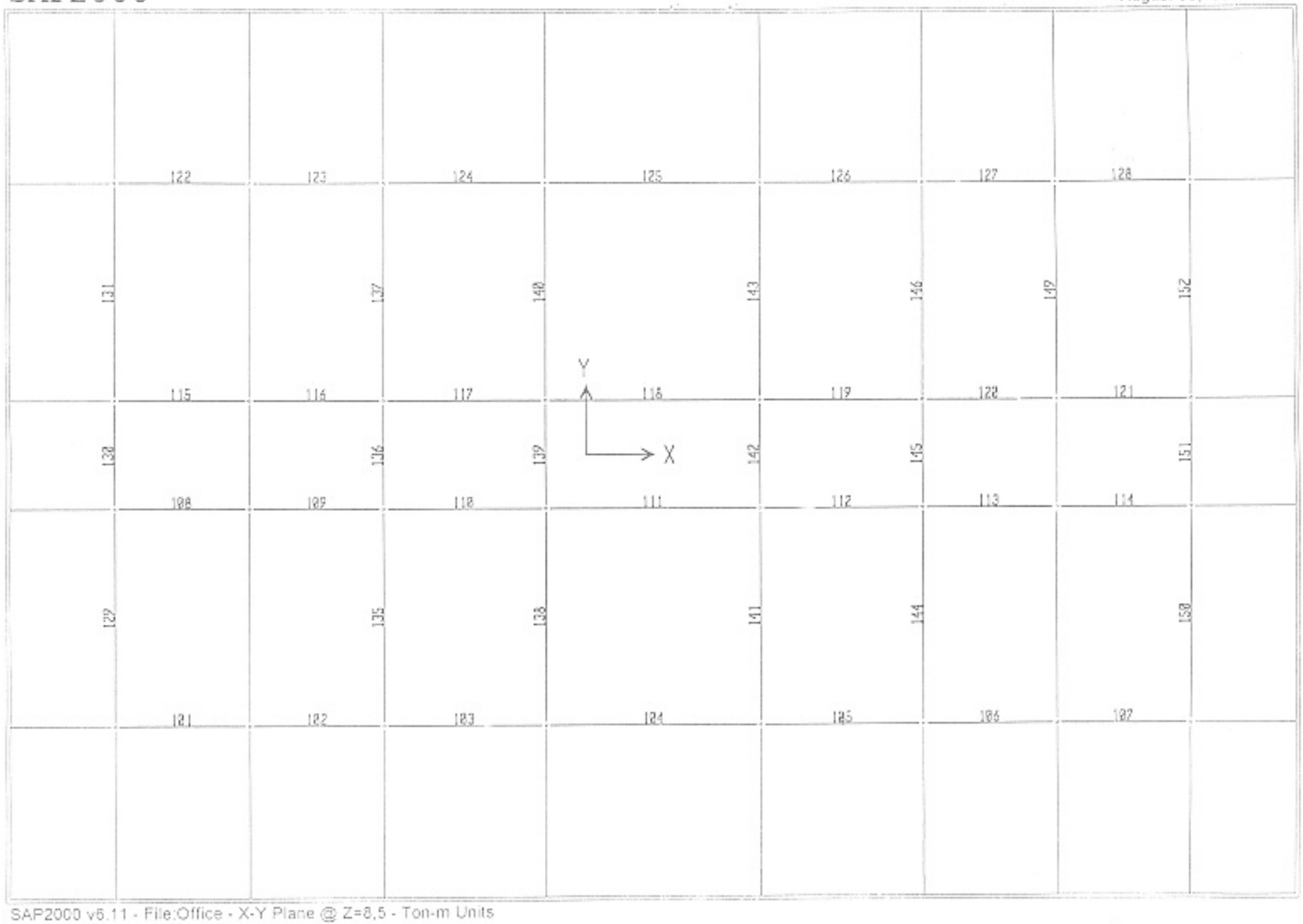
ITEM : MAIN OFFICE BUILDING

RESULT SHEETS


Z
Y
X

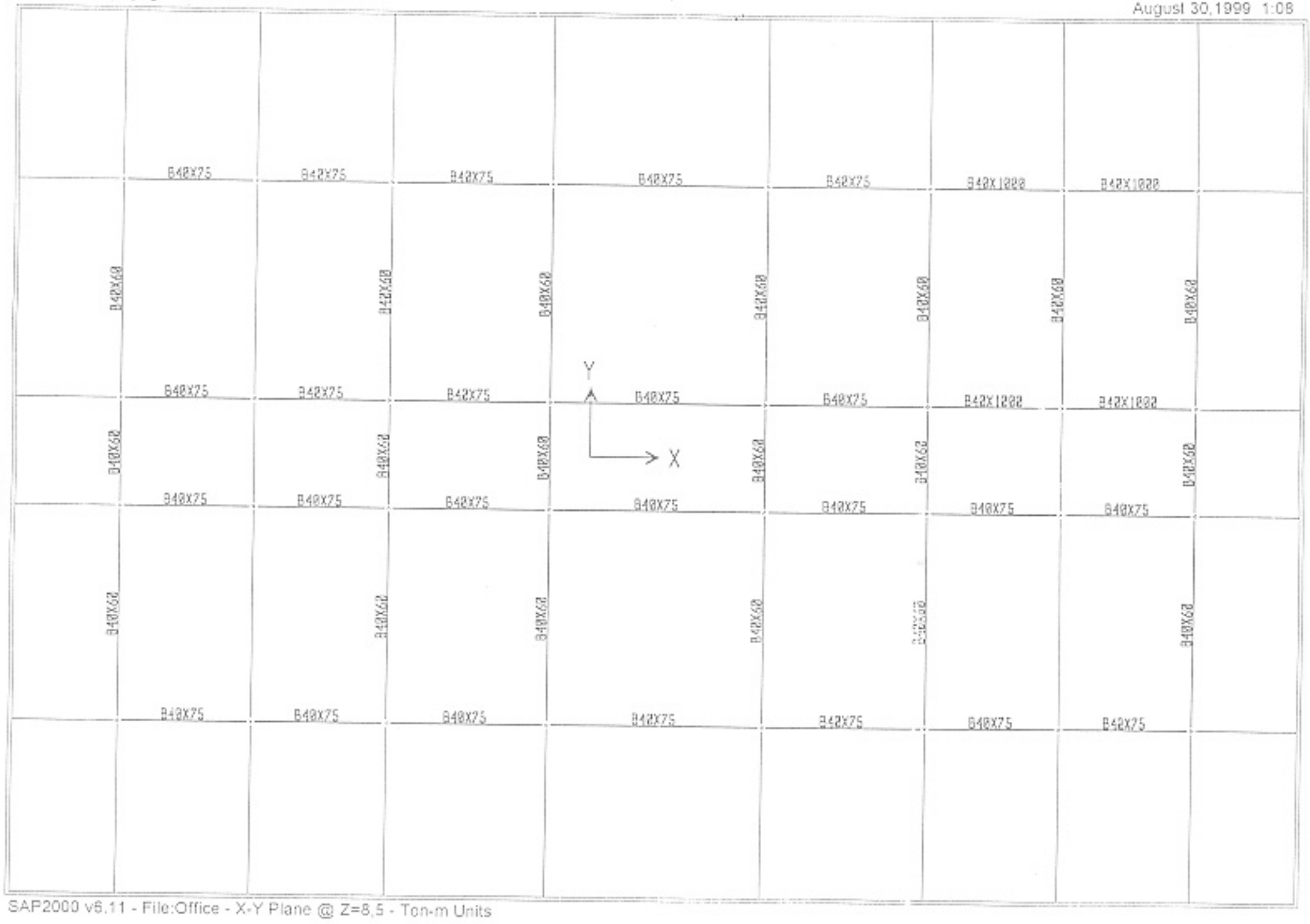

72
71
70
73
74
75
76
79
82
85
88
91
94
97
100
63
64
65
66
67
68
69
Y
X
78
81
84
87
90
93
96
99
56
57
58
59
60
61
62
77
80
83
86
89
92
95
98
49
50
51
52
53
54
55

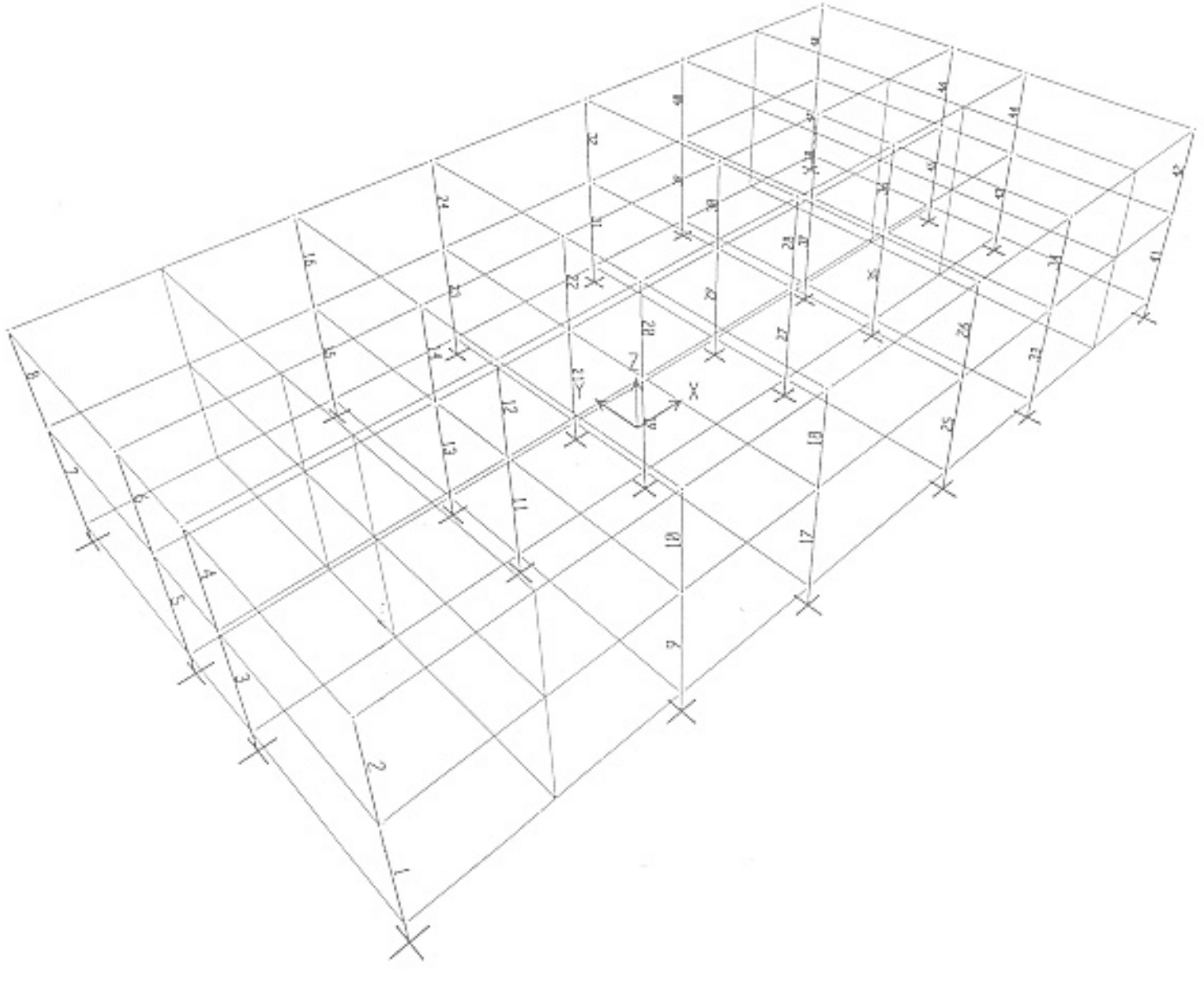
7-2-78

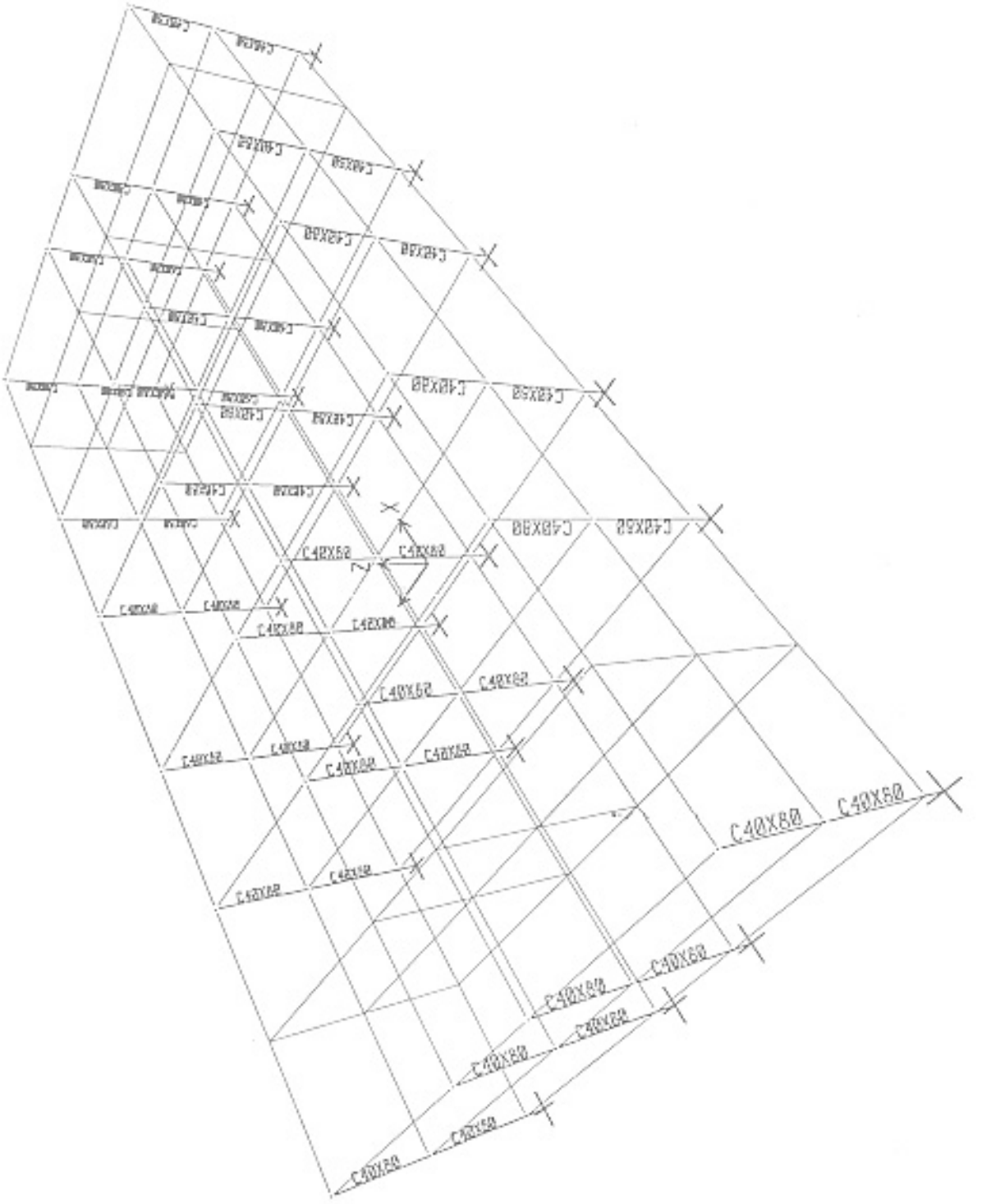

122
123
124
125
126
127
128
131
134
137
140
143
146
149
152
115
116
117
118
119
120
121
130
133
136
139
142
145
148
151
108
109
110
111
112
113
114
129
132
135
138
141
144
147
150
121
122
123
124
125
126
127
Y
X

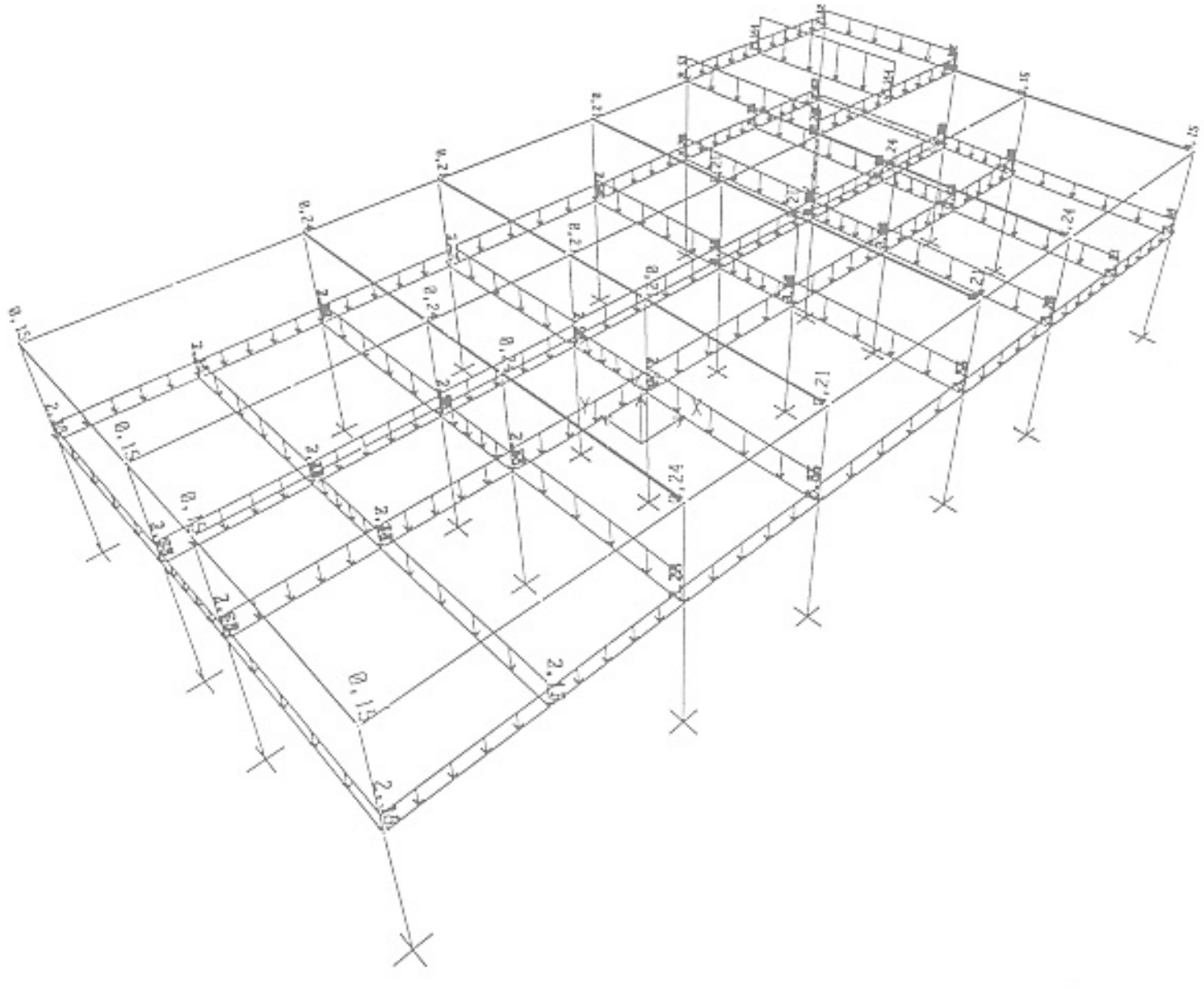
7 - 2 - 79

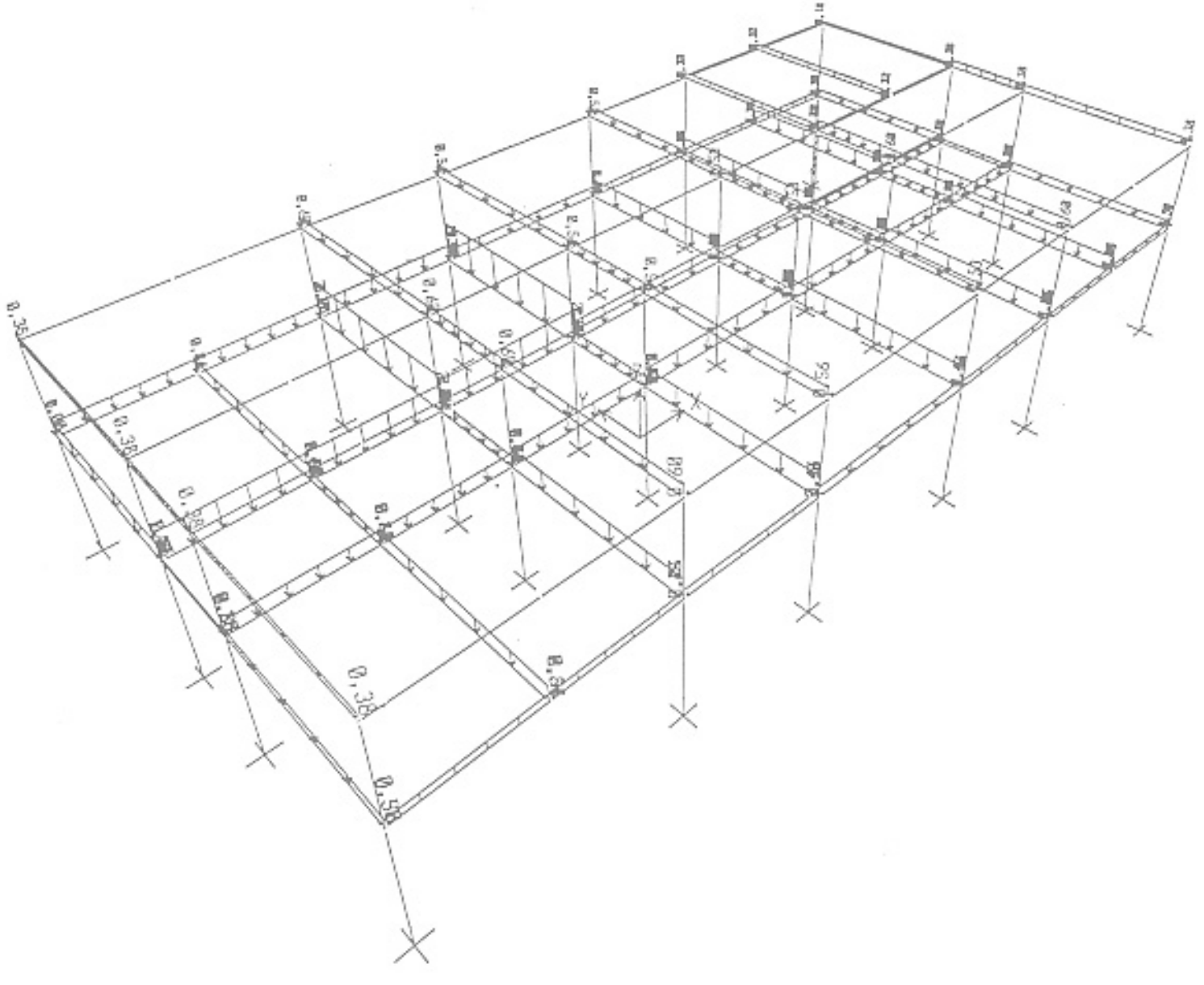
SAP2000
August 30,1999 1:08
B40X50
B42X80
B40X42
B42X50
B40X80
B42X60
B40X60
B42X70
B40X70
B42X90
B40X90
B42X70
B40X70
B42X60
B40X60
B42X50

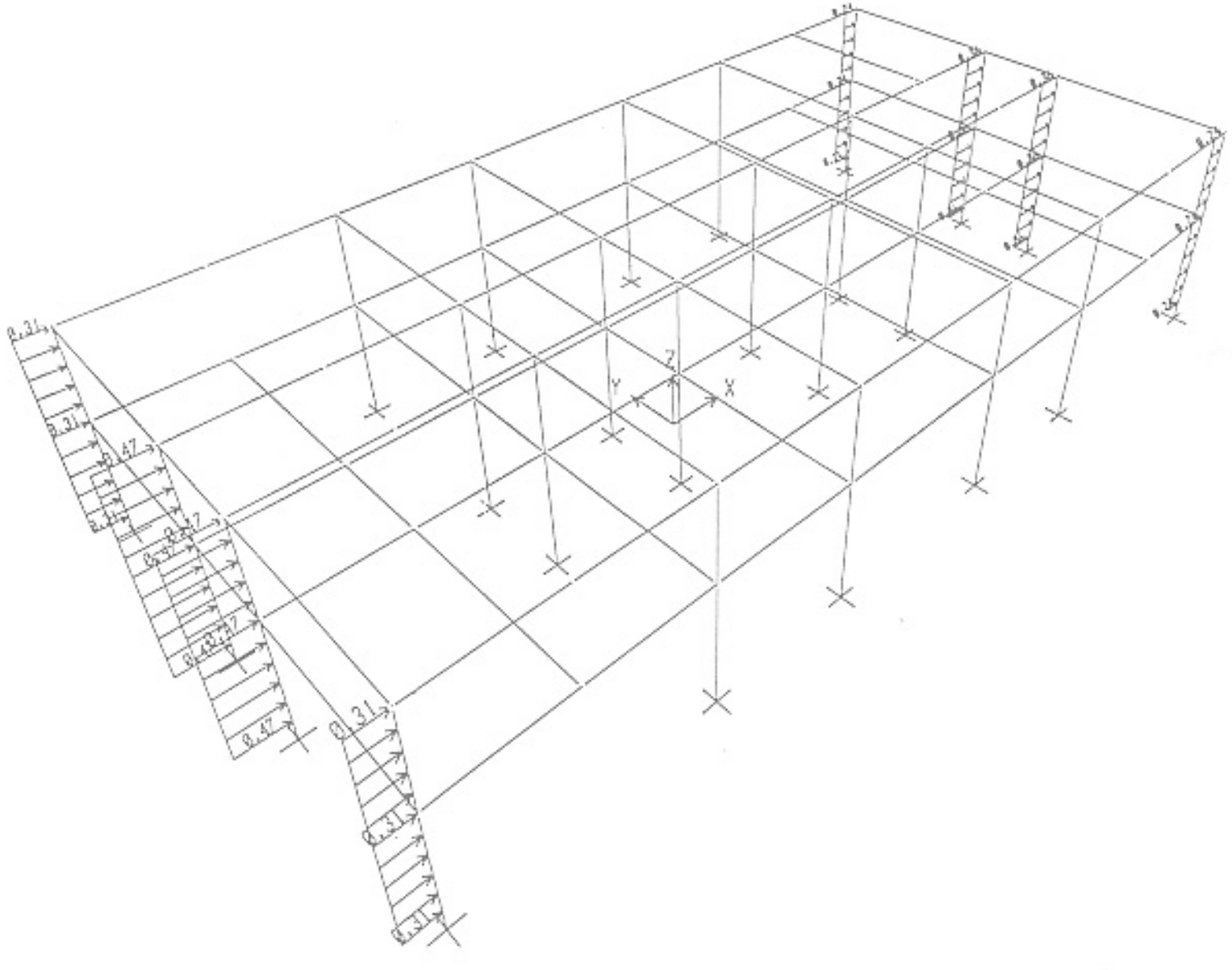

B40X75
B42X75
B42X1200
B42X1000
B42X60
B40X60
Y
X



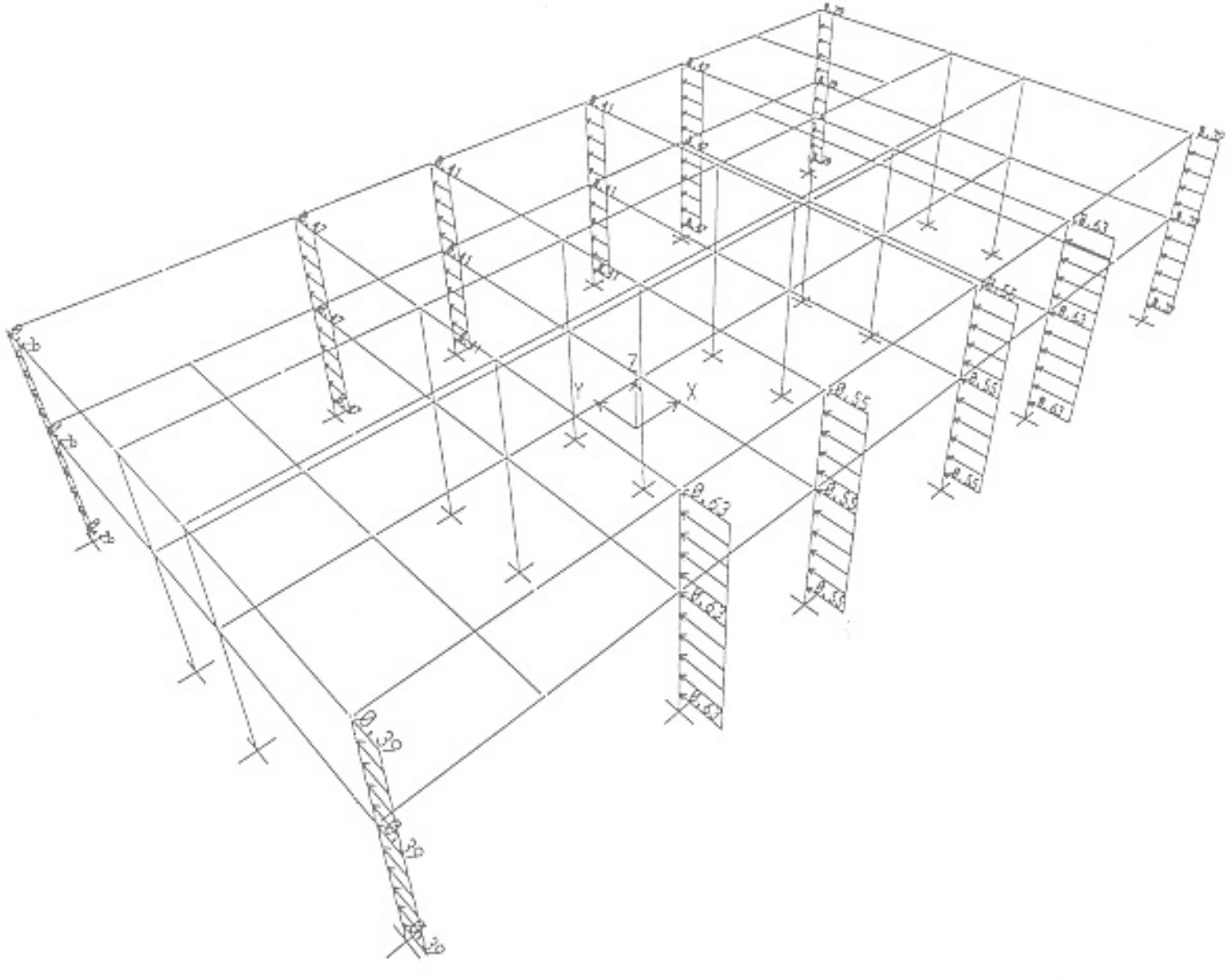

C40X60
C40X60
C40X60

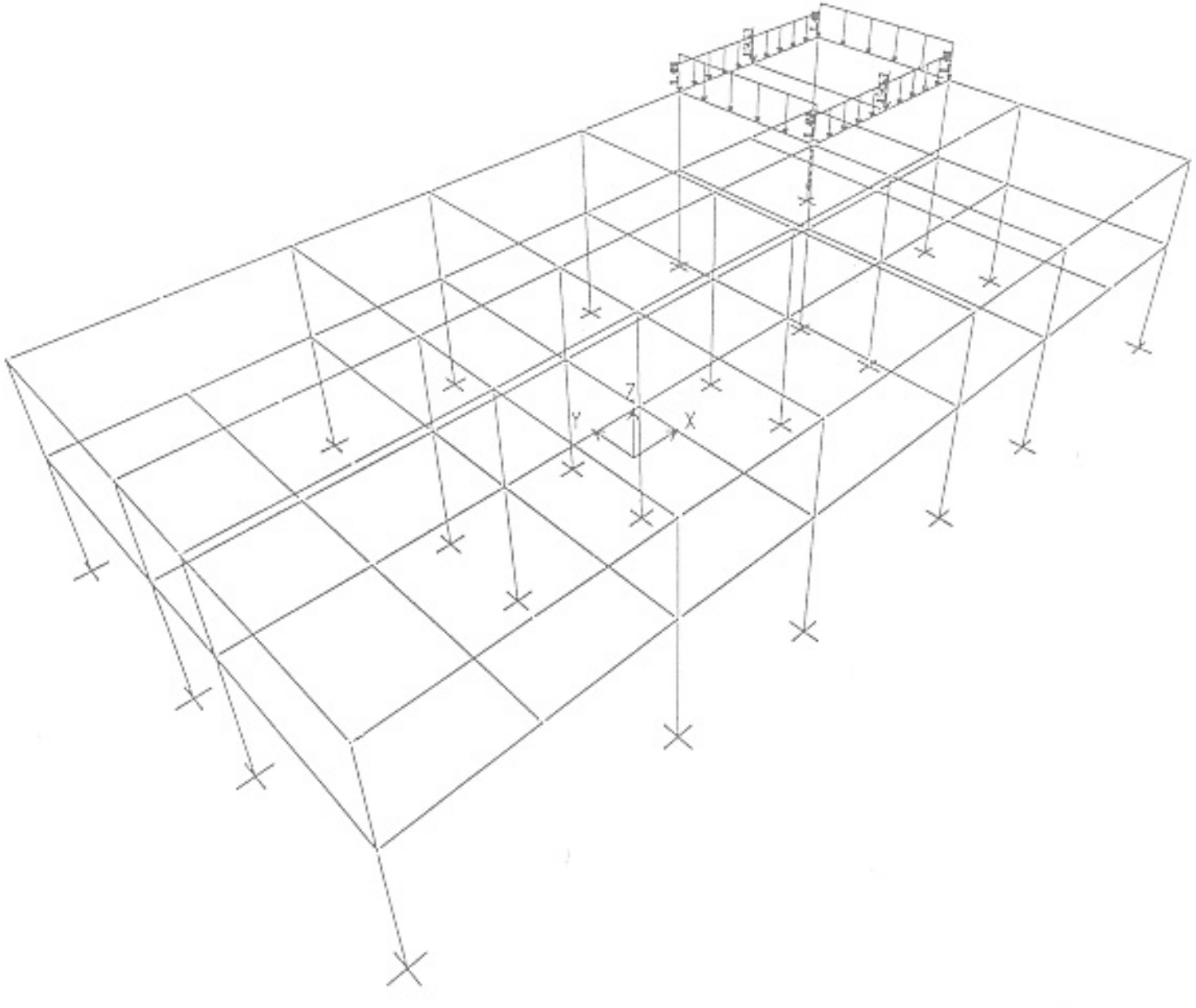






7-2-86


Z
Y
X


Z
Y
X

SAPSTEEL V 1.2 - COPYRIGHT©2000 BY CIDECO
WRITTEN BY NGUYEN TRUONG THANH

REINFORCEMENT RESULT FOR FILE : D:\Projects\Water\Cal\Office.txt
FORCE UNIT : Ton
LENGTH UNIT : m
Eb = 240000.00
Rb = 100.00
Rk = 8.00
Ra = 2000.00

ID	SEC	FA-2	MUY-2	STIRR-2	FA-3	MUY-3	STIRR-3
1	0.00	5.76	0.40	*CHECKOK	5.76	0.40	*CHECKOK
1	0.00	5.76	0.40	*CHECKOK	5.76	0.40	*CHECKOK
1	3.00	5.76	0.40	*CHECKOK	5.76	0.40	*CHECKOK
1	3.00	5.76	0.40	*CHECKOK	5.76	0.40	*CHECKOK
1	6.00	5.76	0.40	*CHECKOK	6.04	0.42	*CHECKOK
1	6.00	5.76	0.40	*CHECKOK	7.79	0.54	*CHECKOK
2	0.00	5.76	0.40	*CHECKOK	20.26	1.41	*CHECKOK
2	0.00	6.06	0.42	*CHECKOK	21.09	1.46	*CHECKOK
2	2.00	5.76	0.40	*CHECKOK	5.76	0.40	*CHECKOK
2	2.00	5.76	0.40	*CHECKOK	5.76	0.40	*CHECKOK
2	4.00	5.76	0.40	*CHECKOK	8.91	0.62	*CHECKOK
2	4.00	5.76	0.40	*CHECKOK	8.99	0.62	*CHECKOK
3	0.00	5.76	0.40	*CHECKOK	5.76	0.40	*CHECKOK
3	0.00	5.76	0.40	*CHECKOK	5.76	0.40	*CHECKOK
3	3.00	5.76	0.40	*CHECKOK	5.76	0.40	*CHECKOK
3	3.00	5.76	0.40	*CHECKOK	5.76	0.40	*CHECKOK
3	6.00	5.76	0.40	*CHECKOK	5.76	0.40	*CHECKOK
3	6.00	5.76	0.40	*CHECKOK	5.76	0.40	*CHECKOK
4	0.00	5.76	0.40	*CHECKOK	28.58	1.98	*CHECKOK
4	0.00	5.76	0.40	*CHECKOK	29.92	2.08	*CHECKOK
4	2.00	5.76	0.40	*CHECKOK	6.85	0.48	*CHECKOK
4	2.00	5.76	0.40	*CHECKOK	7.53	0.52	*CHECKOK
4	4.00	5.76	0.40	*CHECKOK	11.33	0.79	*CHECKOK
4	4.00	5.76	0.40	*CHECKOK	11.49	0.80	*CHECKOK
5	0.00	5.76	0.40	*CHECKOK	5.76	0.40	*CHECKOK
5	0.00	5.76	0.40	*CHECKOK	5.76	0.40	*CHECKOK
5	3.00	5.76	0.40	*CHECKOK	5.76	0.40	*CHECKOK
5	3.00	5.76	0.40	*CHECKOK	5.76	0.40	*CHECKOK
5	6.00	5.76	0.40	*CHECKOK	5.76	0.40	*CHECKOK
5	6.00	5.76	0.40	*CHECKOK	5.76	0.40	*CHECKOK
6	0.00	5.76	0.40	*CHECKOK	30.02	2.08	*CHECKOK
6	0.00	5.76	0.40	*CHECKOK	31.43	2.18	*CHECKOK
6	2.00	5.76	0.40	*CHECKOK	7.28	0.51	*CHECKOK
6	2.00	5.76	0.40	*CHECKOK	7.94	0.55	*CHECKOK
6	4.00	5.76	0.40	*CHECKOK	11.96	0.83	*CHECKOK
6	4.00	5.76	0.40	*CHECKOK	12.04	0.84	*CHECKOK
7	0.00	5.76	0.40	*CHECKOK	5.76	0.40	*CHECKOK
7	0.00	5.76	0.40	*CHECKOK	5.76	0.40	*CHECKOK
7	3.00	5.76	0.40	*CHECKOK	5.76	0.40	*CHECKOK
7	3.00	5.76	0.40	*CHECKOK	5.76	0.40	*CHECKOK
7	6.00	5.76	0.40	*CHECKOK	7.30	0.51	*CHECKOK
7	6.00	5.76	0.40	*CHECKOK	8.21	0.57	*CHECKOK
8	0.00	7.05	0.49	*CHECKOK	21.89	1.52	*CHECKOK
8	0.00	7.25	0.50	*CHECKOK	22.97	1.60	*CHECKOK
8	2.00	5.76	0.40	*CHECKOK	5.76	0.40	*CHECKOK
8	2.00	5.76	0.40	*CHECKOK	5.76	0.40	*CHECKOK
8	4.00	5.76	0.40	*CHECKOK	9.67	0.67	*CHECKOK
8	4.00	5.76	0.40	*CHECKOK	9.79	0.68	*CHECKOK
9	0.00	5.76	0.40	*CHECKOK	5.76	0.40	*CHECKOK
9	0.00	5.76	0.40	*CHECKOK	5.76	0.40	*CHECKOK
9	3.00	5.76	0.40	*CHECKOK	5.76	0.40	*CHECKOK
9	3.00	5.76	0.40	*CHECKOK	5.76	0.40	*CHECKOK
9	6.00	5.76	0.40	*CHECKOK	5.76	0.40	*CHECKOK
9	6.00	5.76	0.40	*CHECKOK	5.76	0.40	*CHECKOK
10	0.00	7.83	0.54	*CHECKOK	10.33	0.72	*CHECKOK
10	0.00	8.42	0.58	*CHECKOK	11.03	0.77	*CHECKOK

10	2.00	5.76	0.40	*CHECKOK	5.76	0.40	*CHECKOK
10	2.00	5.76	0.40	*CHECKOK	5.76	0.40	*CHECKOK
10	4.00	5.76	0.40	*CHECKOK	5.76	0.40	*CHECKOK
10	4.00	5.76	0.40	*CHECKOK	5.76	0.40	*CHECKOK
11	0.00	5.76	0.40	*CHECKOK	5.76	0.40	*CHECKOK
11	0.00	5.76	0.40	*CHECKOK	5.76	0.40	*CHECKOK
11	3.00	5.76	0.40	*CHECKOK	5.76	0.40	*CHECKOK
11	3.00	5.76	0.40	*CHECKOK	5.76	0.40	*CHECKOK
11	6.00	5.76	0.40	*CHECKOK	5.76	0.40	*CHECKOK
11	6.00	5.76	0.40	*CHECKOK	5.76	0.40	*CHECKOK
12	0.00	5.76	0.40	*CHECKOK	15.19	1.05	*CHECKOK
12	0.00	5.76	0.40	*CHECKOK	15.90	1.10	*CHECKOK
12	2.00	5.76	0.40	*CHECKOK	5.76	0.40	*CHECKOK
12	2.00	5.76	0.40	*CHECKOK	5.76	0.40	*CHECKOK
12	4.00	5.76	0.40	*CHECKOK	5.76	0.40	*CHECKOK
12	4.00	5.76	0.40	*CHECKOK	6.20	0.43	*CHECKOK
13	0.00	5.76	0.40	*CHECKOK	5.76	0.40	*CHECKOK
13	0.00	5.76	0.40	*CHECKOK	5.76	0.40	*CHECKOK
13	3.00	5.76	0.40	*CHECKOK	5.76	0.40	*CHECKOK
13	3.00	5.76	0.40	*CHECKOK	5.76	0.40	*CHECKOK
13	6.00	5.76	0.40	*CHECKOK	5.76	0.40	*CHECKOK
13	6.00	5.76	0.40	*CHECKOK	5.76	0.40	*CHECKOK
14	0.00	5.76	0.40	*CHECKOK	15.38	1.07	*CHECKOK
14	0.00	5.76	0.40	*CHECKOK	16.27	1.13	*CHECKOK
14	2.00	5.76	0.40	*CHECKOK	5.76	0.40	*CHECKOK
14	2.00	5.76	0.40	*CHECKOK	5.76	0.40	*CHECKOK
14	4.00	5.76	0.40	*CHECKOK	5.76	0.40	*CHECKOK
14	4.00	5.76	0.40	*CHECKOK	6.40	0.44	*CHECKOK
15	0.00	5.76	0.40	*CHECKOK	5.76	0.40	*CHECKOK
15	0.00	5.76	0.40	*CHECKOK	5.76	0.40	*CHECKOK
15	3.00	5.76	0.40	*CHECKOK	5.76	0.40	*CHECKOK
15	3.00	5.76	0.40	*CHECKOK	5.76	0.40	*CHECKOK
15	6.00	5.76	0.40	*CHECKOK	5.76	0.40	*CHECKOK
15	6.00	5.76	0.40	*CHECKOK	5.76	0.40	*CHECKOK
16	0.00	10.45	0.73	*CHECKOK	10.48	0.73	*CHECKOK
16	0.00	10.87	0.75	*CHECKOK	11.15	0.77	*CHECKOK
16	2.00	5.76	0.40	*CHECKOK	5.76	0.40	*CHECKOK
16	2.00	5.76	0.40	*CHECKOK	5.76	0.40	*CHECKOK
16	4.00	5.76	0.40	*CHECKOK	5.76	0.40	*CHECKOK
16	4.00	5.76	0.40	*CHECKOK	5.76	0.40	*CHECKOK
17	0.00	5.76	0.40	*CHECKOK	5.76	0.40	*CHECKOK
17	0.00	5.76	0.40	*CHECKOK	5.76	0.40	*CHECKOK
17	3.00	5.76	0.40	*CHECKOK	5.76	0.40	*CHECKOK
17	3.00	5.76	0.40	*CHECKOK	5.76	0.40	*CHECKOK
17	6.00	5.76	0.40	*CHECKOK	5.76	0.40	*CHECKOK
17	6.00	5.76	0.40	*CHECKOK	5.76	0.40	*CHECKOK
18	0.00	7.37	0.51	*CHECKOK	5.76	0.40	*CHECKOK
18	0.00	7.78	0.54	*CHECKOK	5.76	0.40	*CHECKOK
18	2.00	5.76	0.40	*CHECKOK	5.76	0.40	*CHECKOK
18	2.00	5.76	0.40	*CHECKOK	5.76	0.40	*CHECKOK
18	4.00	5.76	0.40	*CHECKOK	5.76	0.40	*CHECKOK
18	4.00	5.76	0.40	*CHECKOK	5.76	0.40	*CHECKOK
19	0.00	5.76	0.40	*CHECKOK	5.76	0.40	*CHECKOK
19	0.00	5.76	0.40	*CHECKOK	5.76	0.40	*CHECKOK
19	3.00	5.76	0.40	*CHECKOK	5.76	0.40	*CHECKOK
19	3.00	5.76	0.40	*CHECKOK	5.76	0.40	*CHECKOK
19	6.00	5.76	0.40	*CHECKOK	5.76	0.40	*CHECKOK
19	6.00	5.76	0.40	*CHECKOK	5.76	0.40	*CHECKOK
20	0.00	5.76	0.40	*CHECKOK	5.76	0.40	*CHECKOK
20	0.00	5.76	0.40	*CHECKOK	5.76	0.40	*CHECKOK
20	2.00	5.76	0.40	*CHECKOK	5.76	0.40	*CHECKOK
20	2.00	5.76	0.40	*CHECKOK	5.76	0.40	*CHECKOK
20	4.00	5.76	0.40	*CHECKOK	5.76	0.40	*CHECKOK
20	4.00	5.76	0.40	*CHECKOK	5.76	0.40	*CHECKOK
21	0.00	5.76	0.40	*CHECKOK	5.76	0.40	*CHECKOK
21	0.00	5.76	0.40	*CHECKOK	5.76	0.40	*CHECKOK
21	3.00	5.76	0.40	*CHECKOK	5.76	0.40	*CHECKOK
21	3.00	5.76	0.40	*CHECKOK	5.76	0.40	*CHECKOK
21	6.00	5.76	0.40	*CHECKOK	5.76	0.40	*CHECKOK

21	6.00	5.76	0.40	*CHECKOK	5.76	0.40	*CHECKOK
22	0.00	5.76	0.40	*CHECKOK	5.76	0.40	*CHECKOK
22	0.00	5.76	0.40	*CHECKOK	5.76	0.40	*CHECKOK
22	2.00	5.76	0.40	*CHECKOK	5.76	0.40	*CHECKOK
22	2.00	5.76	0.40	*CHECKOK	5.76	0.40	*CHECKOK
22	4.00	5.76	0.40	*CHECKOK	5.76	0.40	*CHECKOK
22	4.00	5.76	0.40	*CHECKOK	5.76	0.40	*CHECKOK
23	0.00	5.76	0.40	*CHECKOK	5.76	0.40	*CHECKOK
23	0.00	5.76	0.40	*CHECKOK	5.76	0.40	*CHECKOK
23	3.00	5.76	0.40	*CHECKOK	5.76	0.40	*CHECKOK
23	3.00	5.76	0.40	*CHECKOK	5.76	0.40	*CHECKOK
23	6.00	5.76	0.40	*CHECKOK	5.76	0.40	*CHECKOK
23	6.00	5.76	0.40	*CHECKOK	5.76	0.40	*CHECKOK
24	0.00	9.67	0.67	*CHECKOK	5.76	0.40	*CHECKOK
24	0.00	9.95	0.69	*CHECKOK	5.76	0.40	*CHECKOK
24	2.00	5.76	0.40	*CHECKOK	5.76	0.40	*CHECKOK
24	2.00	5.76	0.40	*CHECKOK	5.76	0.40	*CHECKOK
24	4.00	5.76	0.40	*CHECKOK	5.76	0.40	*CHECKOK
24	4.00	5.76	0.40	*CHECKOK	5.76	0.40	*CHECKOK
25	0.00	5.76	0.40	*CHECKOK	5.76	0.40	*CHECKOK
25	0.00	5.76	0.40	*CHECKOK	5.76	0.40	*CHECKOK
25	3.00	5.76	0.40	*CHECKOK	5.76	0.40	*CHECKOK
25	3.00	5.76	0.40	*CHECKOK	5.76	0.40	*CHECKOK
25	6.00	5.76	0.40	*CHECKOK	5.76	0.40	*CHECKOK
25	6.00	5.76	0.40	*CHECKOK	5.76	0.40	*CHECKOK
26	0.00	7.46	0.52	*CHECKOK	5.76	0.40	*CHECKOK
26	0.00	7.90	0.55	*CHECKOK	5.76	0.40	*CHECKOK
26	2.00	5.76	0.40	*CHECKOK	5.76	0.40	*CHECKOK
26	2.00	5.76	0.40	*CHECKOK	5.76	0.40	*CHECKOK
26	4.00	5.76	0.40	*CHECKOK	5.76	0.40	*CHECKOK
26	4.00	5.76	0.40	*CHECKOK	5.76	0.40	*CHECKOK
27	0.00	5.76	0.40	*CHECKOK	5.76	0.40	*CHECKOK
27	0.00	5.76	0.40	*CHECKOK	5.76	0.40	*CHECKOK
27	3.00	5.76	0.40	*CHECKOK	5.76	0.40	*CHECKOK
27	3.00	5.76	0.40	*CHECKOK	5.76	0.40	*CHECKOK
27	6.00	5.76	0.40	*CHECKOK	5.76	0.40	*CHECKOK
27	6.00	5.76	0.40	*CHECKOK	5.76	0.40	*CHECKOK
28	0.00	5.76	0.40	*CHECKOK	5.76	0.40	*CHECKOK
28	0.00	5.76	0.40	*CHECKOK	5.76	0.40	*CHECKOK
28	2.00	5.76	0.40	*CHECKOK	5.76	0.40	*CHECKOK
28	2.00	5.76	0.40	*CHECKOK	5.76	0.40	*CHECKOK
28	4.00	5.76	0.40	*CHECKOK	5.76	0.40	*CHECKOK
28	4.00	5.76	0.40	*CHECKOK	5.76	0.40	*CHECKOK
29	0.00	5.76	0.40	*CHECKOK	5.76	0.40	*CHECKOK
29	0.00	5.76	0.40	*CHECKOK	5.76	0.40	*CHECKOK
29	3.00	5.76	0.40	*CHECKOK	5.76	0.40	*CHECKOK
29	3.00	5.76	0.40	*CHECKOK	5.76	0.40	*CHECKOK
29	6.00	5.76	0.40	*CHECKOK	5.76	0.40	*CHECKOK
29	6.00	5.76	0.40	*CHECKOK	5.76	0.40	*CHECKOK
30	0.00	5.76	0.40	*CHECKOK	5.76	0.40	*CHECKOK
30	0.00	5.76	0.40	*CHECKOK	5.76	0.40	*CHECKOK
30	2.00	5.76	0.40	*CHECKOK	5.76	0.40	*CHECKOK
30	2.00	5.76	0.40	*CHECKOK	5.76	0.40	*CHECKOK
30	4.00	5.76	0.40	*CHECKOK	5.76	0.40	*CHECKOK
30	4.00	5.76	0.40	*CHECKOK	5.76	0.40	*CHECKOK
31	0.00	5.76	0.40	*CHECKOK	5.76	0.40	*CHECKOK
31	0.00	5.76	0.40	*CHECKOK	5.76	0.40	*CHECKOK
31	3.00	5.76	0.40	*CHECKOK	5.76	0.40	*CHECKOK
31	3.00	5.76	0.40	*CHECKOK	5.76	0.40	*CHECKOK
31	6.00	5.76	0.40	*CHECKOK	5.76	0.40	*CHECKOK
31	6.00	5.76	0.40	*CHECKOK	5.76	0.40	*CHECKOK
32	0.00	9.07	0.63	*CHECKOK	5.76	0.40	*CHECKOK
32	0.00	9.36	0.65	*CHECKOK	5.76	0.40	*CHECKOK
32	2.00	5.76	0.40	*CHECKOK	5.76	0.40	*CHECKOK
32	2.00	5.76	0.40	*CHECKOK	5.76	0.40	*CHECKOK
32	4.00	5.76	0.40	*CHECKOK	5.76	0.40	*CHECKOK
32	4.00	5.76	0.40	*CHECKOK	5.76	0.40	*CHECKOK
33	0.00	5.76	0.40	*CHECKOK	5.76	0.40	*CHECKOK
33	0.00	5.76	0.40	*CHECKOK	5.76	0.40	*CHECKOK

33	3.00	5.76	0.40	*CHECKOK	5.76	0.40	*CHECKOK
33	3.00	5.76	0.40	*CHECKOK	5.76	0.40	*CHECKOK
33	6.00	5.76	0.40	*CHECKOK	5.76	0.40	*CHECKOK
33	6.00	5.76	0.40	*CHECKOK	5.76	0.40	*CHECKOK
34	0.00	7.71	0.54	*CHECKOK	9.83	0.68	*CHECKOK
34	0.00	8.42	0.58	*CHECKOK	10.44	0.73	*CHECKOK
34	2.00	5.76	0.40	*CHECKOK	5.76	0.40	*CHECKOK
34	2.00	5.76	0.40	*CHECKOK	5.76	0.40	*CHECKOK
34	4.00	5.76	0.40	*CHECKOK	5.76	0.40	*CHECKOK
34	4.00	5.76	0.40	*CHECKOK	5.76	0.40	*CHECKOK
35	0.00	5.76	0.40	*CHECKOK	5.76	0.40	*CHECKOK
35	0.00	5.76	0.40	*CHECKOK	5.76	0.40	*CHECKOK
35	3.00	5.76	0.40	*CHECKOK	5.76	0.40	*CHECKOK
35	3.00	5.76	0.40	*CHECKOK	5.76	0.40	*CHECKOK
35	6.00	5.76	0.40	*CHECKOK	5.76	0.40	*CHECKOK
35	6.00	5.76	0.40	*CHECKOK	5.76	0.40	*CHECKOK
36	0.00	5.76	0.40	*CHECKOK	14.08	0.98	*CHECKOK
36	0.00	5.76	0.40	*CHECKOK	14.67	1.02	*CHECKOK
36	2.00	5.76	0.40	*CHECKOK	5.76	0.40	*CHECKOK
36	2.00	5.76	0.40	*CHECKOK	5.76	0.40	*CHECKOK
36	4.00	5.76	0.40	*CHECKOK	5.95	0.41	*CHECKOK
36	4.00	5.76	0.40	*CHECKOK	6.85	0.48	*CHECKOK
37	0.00	8.64	0.40	*CHECKOK	8.64	0.40	*CHECKOK
37	0.00	8.64	0.40	*CHECKOK	8.64	0.40	*CHECKOK
37	3.00	8.64	0.40	*CHECKOK	8.64	0.40	*CHECKOK
37	3.00	8.64	0.40	*CHECKOK	8.64	0.40	*CHECKOK
37	6.00	8.64	0.40	*CHECKOK	8.64	0.40	*CHECKOK
37	6.00	8.64	0.40	*CHECKOK	8.64	0.40	*CHECKOK
38	0.00	8.64	0.40	*CHECKOK	20.41	0.95	*CHECKOK
38	0.00	8.64	0.40	*CHECKOK	20.72	0.96	*CHECKOK
38	2.00	8.64	0.40	*CHECKOK	8.64	0.40	*CHECKOK
38	2.00	8.64	0.40	*CHECKOK	8.64	0.40	*CHECKOK
38	4.00	8.64	0.40	*CHECKOK	33.36	1.54	*CHECKOK
38	4.00	8.64	0.40	*CHECKOK	34.73	1.61	*CHECKOK
39	0.00	8.64	0.40	*CHECKOK	8.64	0.40	*CHECKOK
39	0.00	8.64	0.40	*CHECKOK	8.64	0.40	*CHECKOK
39	3.00	8.64	0.40	*CHECKOK	8.64	0.40	*CHECKOK
39	3.00	8.64	0.40	*CHECKOK	8.64	0.40	*CHECKOK
39	6.00	8.64	0.40	*CHECKOK	8.64	0.40	*CHECKOK
39	6.00	8.64	0.40	*CHECKOK	8.64	0.40	*CHECKOK
40	0.00	8.64	0.40	*CHECKOK	13.61	0.63	*CHECKOK
40	0.00	8.64	0.40	*CHECKOK	14.02	0.65	*CHECKOK
40	2.00	8.64	0.40	*CHECKOK	8.64	0.40	*CHECKOK
40	2.00	8.64	0.40	*CHECKOK	8.64	0.40	*CHECKOK
40	4.00	12.08	0.56	*CHECKOK	33.85	1.57	*CHECKOK
40	4.00	12.65	0.59	*CHECKOK	35.01	1.62	*CHECKOK
41	0.00	5.76	0.40	*CHECKOK	5.76	0.40	*CHECKOK
41	0.00	5.76	0.40	*CHECKOK	5.76	0.40	*CHECKOK
41	3.00	5.76	0.40	*CHECKOK	5.76	0.40	*CHECKOK
41	3.00	5.76	0.40	*CHECKOK	5.76	0.40	*CHECKOK
41	6.00	5.76	0.40	*CHECKOK	5.76	0.40	*CHECKOK
41	6.00	5.76	0.40	*CHECKOK	7.75	0.54	*CHECKOK
42	0.00	5.76	0.40	*CHECKOK	9.68	0.67	*CHECKOK
42	0.00	6.04	0.42	*CHECKOK	21.20	1.47	*CHECKOK
42	2.00	5.76	0.40	*CHECKOK	21.97	1.53	*CHECKOK
42	2.00	5.76	0.40	*CHECKOK	5.76	0.40	*CHECKOK
42	4.00	5.76	0.40	*CHECKOK	5.76	0.40	*CHECKOK
42	4.00	5.76	0.40	*CHECKOK	9.11	0.63	*CHECKOK
43	0.00	5.76	0.40	*CHECKOK	9.26	0.64	*CHECKOK
43	0.00	5.76	0.40	*CHECKOK	5.76	0.40	*CHECKOK
43	3.00	5.76	0.40	*CHECKOK	5.76	0.40	*CHECKOK
43	3.00	5.76	0.40	*CHECKOK	5.76	0.40	*CHECKOK
43	6.00	5.76	0.40	*CHECKOK	5.76	0.40	*CHECKOK
43	6.00	5.76	0.40	*CHECKOK	5.76	0.40	*CHECKOK
44	0.00	5.76	0.40	*CHECKOK	27.47	1.91	*CHECKOK
44	0.00	5.76	0.40	*CHECKOK	28.52	1.98	*CHECKOK
44	2.00	5.76	0.40	*CHECKOK	5.76	0.40	*CHECKOK
44	2.00	5.76	0.40	*CHECKOK	5.76	0.40	*CHECKOK
44	4.00	5.76	0.40	*CHECKOK	12.63	0.88	*CHECKOK

44	4.00	5.76	0.40	*CHECKOK	12.68	0.88	*CHECKOK
45	0.00	8.64	0.40	*CHECKOK	8.64	0.40	*CHECKOK
45	0.00	8.64	0.40	*CHECKOK	8.64	0.40	*CHECKOK
45	3.00	8.64	0.40	*CHECKOK	8.64	0.40	*CHECKOK
45	3.00	8.64	0.40	*CHECKOK	8.64	0.40	*CHECKOK
45	6.00	8.64	0.40	*CHECKOK	8.64	0.40	*CHECKOK
45	6.00	8.64	0.40	*CHECKOK	8.64	0.40	*CHECKOK
46	0.00	8.64	0.40	*CHECKOK	31.31	1.45	*CHECKOK
46	0.00	8.64	0.40	*CHECKOK	31.42	1.45	*CHECKOK
46	2.00	8.64	0.40	*CHECKOK	8.64	0.40	*CHECKOK
46	2.00	8.64	0.40	*CHECKOK	8.64	0.40	*CHECKOK
46	4.00	8.64	0.40	*CHECKOK	45.93	2.13	*CHECKOK
46	4.00	8.64	0.40	*CHECKOK	46.57	2.16	*CHECKOK
47	0.00	8.64	0.40	*CHECKOK	8.64	0.40	*CHECKOK
47	0.00	8.64	0.40	*CHECKOK	8.64	0.40	*CHECKOK
47	3.00	8.64	0.40	*CHECKOK	8.64	0.40	*CHECKOK
47	3.00	8.64	0.40	*CHECKOK	8.64	0.40	*CHECKOK
47	6.00	8.64	0.40	*CHECKOK	8.64	0.40	*CHECKOK
47	6.00	8.64	0.40	*CHECKOK	8.64	0.40	*CHECKOK
48	0.00	8.64	0.40	*CHECKOK	20.38	0.94	*CHECKOK
48	0.00	8.64	0.40	*CHECKOK	20.53	0.95	*CHECKOK
48	2.00	8.64	0.40	*CHECKOK	8.64	0.40	*CHECKOK
48	2.00	8.64	0.40	*CHECKOK	8.64	0.40	*CHECKOK
48	4.00	12.69	0.59	*CHECKOK	45.85	2.12	*CHECKOK
48	4.00	13.10	0.61	*CHECKOK	46.34	2.15	*CHECKOK
49	0.00	-1.62	0.05	Þ6a150/3	-15.95	0.49	Þ8a300/3
49	0.00	-1.62	0.05	Þ6a150/3	-14.94	0.46	Þ8a300/3
49	1.25	-1.62	0.05	Þ6a150/3	1.62	0.05	Þ8a300/3
49	1.25	-1.62	0.05	Þ6a150/3	2.00	0.06	Þ8a300/3
49	2.50	-1.62	0.05	Þ6a150/3	15.08	0.47	Þ6a300/3
49	2.50	1.62	0.05	Þ6a150/3	15.69	0.48	Þ6a300/3
49	3.75	1.62	0.05	Þ6a150/3	26.36	0.81	Þ6a300/3
49	3.75	1.62	0.05	Þ6a150/3	26.80	0.83	Þ6a300/3
49	5.00	1.62	0.05	Þ6a150/3	34.42	1.06	Þ6a300/3
49	5.00	1.62	0.05	Þ6a150/3	34.67	1.07	Þ6a300/3
50	0.00	-1.62	0.05	Þ6a150/3	34.36	1.06	Þ6a300/3
50	0.00	1.62	0.05	Þ6a150/3	34.60	1.07	Þ6a300/3
50	1.25	-1.62	0.05	Þ6a150/3	22.06	0.68	Þ6a300/3
50	1.25	1.62	0.05	Þ6a150/3	22.12	0.68	Þ6a300/3
50	2.50	1.62	0.05	Þ6a150/3	7.07	0.22	Þ8a300/3
50	2.50	1.62	0.05	Þ6a150/3	7.38	0.23	Þ8a300/3
50	3.75	-1.62	0.05	Þ6a150/3	-10.34	0.32	Þ8a300/3
50	3.75	1.62	0.05	Þ6a150/3	-9.76	0.30	Þ8a300/3
50	5.00	-1.62	0.05	Þ6a150/3	-33.73	1.04	Þ8a300/3
50	5.00	1.62	0.05	Þ6a150/3	-32.76	1.01	Þ8a300/3
51	0.00	-1.62	0.05	Þ6a150/3	-22.67	0.70	Þ6a300/3
51	0.00	1.62	0.05	Þ6a150/3	-21.76	0.67	Þ6a300/3
51	1.50	-1.62	0.05	Þ6a150/3	-10.24	0.32	Þ6a300/3
51	1.50	1.62	0.05	Þ6a150/3	-9.84	0.30	Þ6a300/3
51	3.00	-1.62	0.05	Þ6a150/3	-3.86	0.12	Þ6a300/3
51	3.00	1.62	0.05	Þ6a150/3	-3.84	0.12	Þ6a300/3
51	4.50	-1.62	0.05	Þ6a150/3	-3.15	0.10	Þ6a300/3
51	4.50	1.62	0.05	Þ6a150/3	-2.71	0.08	Þ6a300/3
51	6.00	-1.62	0.05	Þ6a150/3	-7.62	0.24	Þ6a300/3
51	6.00	1.62	0.05	Þ6a150/3	-6.75	0.21	Þ6a300/3
52	0.00	-1.62	0.05	Þ6a150/3	-10.43	0.32	Þ8a300/3
52	0.00	-1.62	0.05	Þ6a150/3	-9.69	0.30	Þ8a300/3
52	2.00	-1.62	0.05	Þ6a150/3	4.95	0.15	Þ6a300/3
52	2.00	-1.62	0.05	Þ6a150/3	5.31	0.16	Þ6a300/3
52	4.00	-1.62	0.05	Þ6a150/3	10.18	0.31	Þ6a300/3
52	4.00	1.62	0.05	Þ6a150/3	10.18	0.31	Þ6a300/3
52	6.00	1.62	0.05	Þ6a150/3	4.60	0.14	Þ6a300/3
52	6.00	1.62	0.05	Þ6a150/3	4.96	0.15	Þ6a300/3
52	8.00	1.62	0.05	Þ6a150/3	-11.15	0.34	Þ8a300/3
52	8.00	1.62	0.05	Þ6a150/3	-10.41	0.32	Þ8a300/3
53	0.00	-1.62	0.05	Þ6a150/3	-6.74	0.21	Þ6a300/3
53	0.00	1.62	0.05	Þ6a150/3	-5.85	0.18	Þ6a300/3
53	1.50	-1.62	0.05	Þ6a150/3	-2.72	0.08	Þ6a300/3
53	1.50	1.62	0.05	Þ6a150/3	-2.29	0.07	Þ6a300/3

53	3.00	-1.62	0.05	Þ6a150/3	-3.87	0.12	Þ6a300/3
53	3.00	1.62	0.05	Þ6a150/3	-3.87	0.12	Þ6a300/3
53	4.50	-1.62	0.05	Þ6a150/3	-10.77	0.33	Þ6a300/3
53	4.50	-1.62	0.05	Þ6a150/3	-10.32	0.32	Þ6a300/3
53	6.00	-1.62	0.05	Þ6a150/3	-23.76	0.73	Þ6a300/3
53	6.00	-1.62	0.05	Þ6a150/3	-22.77	0.70	Þ6a300/3
54	0.00	-1.62	0.05	Þ6a150/3	-33.16	1.02	Þ8a300/3
54	0.00	1.62	0.05	Þ6a150/3	-32.29	1.00	Þ8a300/3
54	1.25	-1.62	0.05	Þ6a150/3	-9.91	0.31	Þ8a300/3
54	1.25	1.62	0.05	Þ6a150/3	-9.38	0.29	Þ8a300/3
54	2.50	1.62	0.05	Þ6a150/3	7.42	0.23	Þ8a300/3
54	2.50	1.62	0.05	Þ6a150/3	7.76	0.24	Þ8a300/3
54	3.75	1.62	0.05	Þ6a150/3	22.38	0.69	Þ6a300/3
54	3.75	1.62	0.05	Þ6a150/3	22.54	0.70	Þ6a300/3
54	5.00	1.62	0.05	Þ6a150/3	34.81	1.07	Þ6a300/3
54	5.00	1.62	0.05	Þ6a150/3	34.87	1.08	Þ6a300/3
55	0.00	1.62	0.05	Þ6a150/3	34.83	1.08	Þ6a300/3
55	0.00	1.62	0.05	Þ6a150/3	34.90	1.08	Þ6a300/3
55	1.25	1.62	0.05	Þ6a150/3	26.26	0.81	Þ6a300/3
55	1.25	1.62	0.05	Þ6a150/3	26.61	0.82	Þ6a300/3
55	2.50	-1.62	0.05	Þ6a150/3	14.54	0.45	Þ6a300/3
55	2.50	1.62	0.05	Þ6a150/3	15.13	0.47	Þ6a300/3
55	3.75	-1.62	0.05	Þ6a150/3	1.62	0.05	Þ8a300/3
55	3.75	1.62	0.05	Þ6a150/3	1.62	0.05	Þ8a300/3
55	5.00	-1.62	0.05	Þ6a150/3	-17.40	0.54	Þ8a300/3
55	5.00	-1.62	0.05	Þ6a150/3	-16.26	0.50	Þ8a300/3
56	0.00	-1.62	0.05	Þ6a150/3	-24.44	0.75	Þ8a300/3
56	0.00	1.62	0.05	Þ6a150/3	-23.34	0.72	Þ8a300/3
56	1.25	-1.62	0.05	Þ6a150/3	1.62	0.05	Þ8a300/3
56	1.25	1.62	0.05	Þ6a150/3	1.63	0.05	Þ8a300/3
56	2.50	-1.62	0.05	Þ6a150/3	21.59	0.67	Þ8a300/3
56	2.50	1.62	0.05	Þ6a150/3	22.16	0.68	Þ8a300/3
56	3.75	-1.62	0.05	Þ6a150/3	40.11	1.24	Þ8a300/3
56	3.75	1.62	0.05	Þ6a150/3	40.48	1.25	Þ8a300/3
56	5.00	-1.62	0.05	Þ6a150/3	55.33	1.71	Þ6a300/3
56	5.00	1.62	0.05	Þ6a150/3	55.42	1.71	Þ6a300/3
57	0.00	-1.62	0.05	Þ6a150/3	55.38	1.71	Þ8a300/3
57	0.00	1.62	0.05	Þ6a150/3	55.47	1.71	Þ8a300/3
57	1.25	-1.62	0.05	Þ6a150/3	33.50	1.03	Þ8a300/3
57	1.25	1.62	0.05	Þ6a150/3	33.66	1.04	Þ8a300/3
57	2.50	1.62	0.05	Þ6a150/3	10.17	0.31	Þ8a300/3
57	2.50	1.62	0.05	Þ6a150/3	10.51	0.32	Þ8a300/3
57	3.75	-1.62	0.05	Þ6a150/3	-15.32	0.47	Þ8a300/3
57	3.75	1.62	0.05	Þ6a150/3	-14.75	0.46	Þ8a300/3
57	5.00	-1.62	0.05	Þ6a150/3	-51.46	1.59	Þ8a270/3
57	5.00	1.62	0.05	Þ6a150/3	-50.44	1.56	Þ8a270/3
58	0.00	1.62	0.05	Þ6a150/3	-33.38	1.03	Þ8a300/3
58	0.00	1.62	0.05	Þ6a150/3	-32.27	1.00	Þ8a300/3
58	1.50	1.62	0.05	Þ6a150/3	-15.28	0.47	Þ6a300/3
58	1.50	1.62	0.05	Þ6a150/3	-14.80	0.46	Þ6a300/3
58	3.00	-1.62	0.05	Þ6a150/3	-5.85	0.18	Þ6a300/3
58	3.00	1.62	0.05	Þ6a150/3	-5.85	0.18	Þ6a300/3
58	4.50	-1.62	0.05	Þ6a150/3	-3.98	0.12	Þ6a300/3
58	4.50	-1.62	0.05	Þ6a150/3	-3.53	0.11	Þ6a300/3
58	6.00	-1.62	0.05	Þ6a150/3	-8.91	0.28	Þ6a300/3
58	6.00	-1.62	0.05	Þ6a150/3	-7.97	0.25	Þ6a300/3
59	0.00	1.62	0.05	Þ6a150/3	-13.37	0.41	Þ8a300/3
59	0.00	1.62	0.05	Þ6a150/3	-12.59	0.39	Þ8a300/3
59	2.00	1.62	0.05	Þ6a150/3	6.62	0.20	Þ6a300/3
59	2.00	1.62	0.05	Þ6a150/3	7.00	0.22	Þ6a300/3
59	4.00	-1.62	0.05	Þ6a150/3	13.39	0.41	Þ6a300/3
59	4.00	1.62	0.05	Þ6a150/3	13.39	0.41	Þ6a300/3
59	6.00	-1.62	0.05	Þ6a150/3	5.97	0.18	Þ6a300/3
59	6.00	-1.62	0.05	Þ6a150/3	6.34	0.20	Þ6a300/3
59	8.00	-1.62	0.05	Þ6a150/3	-14.75	0.46	Þ8a300/3
59	8.00	-1.62	0.05	Þ6a150/3	-13.97	0.43	Þ8a300/3
60	0.00	1.62	0.05	Þ6a150/3	-8.82	0.27	Þ6a300/3
60	0.00	1.62	0.05	Þ6a150/3	-7.90	0.24	Þ6a300/3
60	1.50	1.62	0.05	Þ6a150/3	-3.46	0.11	Þ6a300/3

60	1.50	1.62	0.05	Þ6a150/3	-3.02	0.09	Þ6a300/3
60	3.00	-1.62	0.05	Þ6a150/3	-4.90	0.15	Þ6a300/3
60	3.00	1.62	0.05	Þ6a150/3	-4.89	0.15	Þ6a300/3
60	4.50	-1.62	0.05	Þ6a150/3	-13.80	0.43	Þ6a300/3
60	4.50	-1.62	0.05	Þ6a150/3	-13.33	0.41	Þ6a300/3
60	6.00	-1.62	0.05	Þ6a150/3	-31.15	0.96	Þ8a300/3
60	6.00	-1.62	0.05	Þ6a150/3	-30.08	0.93	Þ8a300/3
61	0.00	-1.62	0.05	Þ6a150/3	-46.79	1.44	Þ8a300/3
61	0.00	1.62	0.05	Þ6a150/3	-45.64	1.41	Þ8a300/3
61	1.25	1.62	0.05	Þ6a150/3	-13.76	0.42	Þ8a300/3
61	1.25	1.62	0.05	Þ6a150/3	-13.12	0.41	Þ8a300/3
61	2.50	1.62	0.05	Þ6a150/3	9.72	0.30	Þ8a300/3
61	2.50	1.62	0.05	Þ6a150/3	10.09	0.31	Þ8a300/3
61	3.75	1.62	0.05	Þ6a150/3	30.68	0.95	Þ8a300/3
61	3.75	1.62	0.05	Þ6a150/3	30.81	0.95	Þ8a300/3
61	5.00	-1.62	0.05	Þ6a150/3	49.22	1.52	Þ6a300/3
61	5.00	1.62	0.05	Þ6a150/3	49.41	1.53	Þ6a300/3
62	0.00	1.62	0.05	Þ6a150/3	48.85	1.51	Þ6a300/3
62	0.00	1.62	0.05	Þ6a150/3	49.08	1.51	Þ6a300/3
62	1.25	1.62	0.05	Þ6a150/3	35.56	1.10	Þ6a300/3
62	1.25	1.62	0.05	Þ6a150/3	36.04	1.11	Þ6a300/3
62	2.50	1.62	0.05	Þ6a150/3	18.65	0.58	Þ8a300/3
62	2.50	1.62	0.05	Þ6a150/3	19.31	0.60	Þ8a300/3
62	3.75	-1.62	0.05	Þ6a150/3	-1.62	0.05	Þ8a300/3
62	3.75	1.62	0.05	Þ6a150/3	1.62	0.05	Þ8a300/3
62	5.00	-1.62	0.05	Þ6a150/3	-25.33	0.78	Þ8a300/3
62	5.00	1.62	0.05	Þ6a150/3	-24.13	0.74	Þ8a300/3
63	0.00	-1.62	0.05	Þ6a150/3	-26.01	0.80	Þ8a300/3
63	0.00	1.62	0.05	Þ6a150/3	-25.01	0.77	Þ8a300/3
63	1.25	-1.62	0.05	Þ6a150/3	1.62	0.05	Þ8a300/3
63	1.25	1.62	0.05	Þ6a150/3	1.87	0.06	Þ8a300/3
63	2.50	-1.62	0.05	Þ6a150/3	22.99	0.71	Þ8a300/3
63	2.50	1.62	0.05	Þ6a150/3	23.55	0.73	Þ8a300/3
63	3.75	-1.62	0.05	Þ6a150/3	42.01	1.30	Þ8a300/3
63	3.75	1.62	0.05	Þ6a150/3	42.41	1.31	Þ8a300/3
63	5.00	-1.62	0.05	Þ6a150/3	56.74	1.75	Þ6a300/3
63	5.00	1.62	0.05	Þ6a150/3	56.93	1.76	Þ6a300/3
64	0.00	-1.62	0.05	Þ6a150/3	56.84	1.75	Þ8a300/3
64	0.00	1.62	0.05	Þ6a150/3	57.03	1.76	Þ8a300/3
64	1.25	-1.62	0.05	Þ6a150/3	34.96	1.08	Þ8a300/3
64	1.25	1.62	0.05	Þ6a150/3	35.07	1.08	Þ8a300/3
64	2.50	-1.62	0.05	Þ6a150/3	10.78	0.33	Þ8a300/3
64	2.50	1.62	0.05	Þ6a150/3	11.10	0.34	Þ8a300/3
64	3.75	-1.62	0.05	Þ6a150/3	-16.10	0.50	Þ8a300/3
64	3.75	1.62	0.05	Þ6a150/3	-15.53	0.48	Þ8a300/3
64	5.00	-1.62	0.05	Þ6a150/3	-55.47	1.71	Þ8a230/3
64	5.00	1.62	0.05	Þ6a150/3	-54.39*	1.68	Þ8a230/3
65	0.00	1.62	0.05	Þ6a150/3	-36.56	1.13	Þ8a300/3
65	0.00	1.62	0.05	Þ6a150/3	-35.50	1.10	Þ8a300/3
65	1.50	1.62	0.05	Þ6a150/3	-15.47	0.48	Þ6a300/3
65	1.50	1.62	0.05	Þ6a150/3	-15.03	0.46	Þ6a300/3
65	3.00	-1.62	0.05	Þ6a150/3	-4.85	0.15	Þ6a300/3
65	3.00	1.62	0.05	Þ6a150/3	-4.83	0.15	Þ6a300/3
65	4.50	-1.62	0.05	Þ6a150/3	-2.97	0.09	Þ6a300/3
65	4.50	-1.62	0.05	Þ6a150/3	-2.52	0.08	Þ6a300/3
65	6.00	-1.62	0.05	Þ6a150/3	-9.09	0.28	Þ6a300/3
65	6.00	-1.62	0.05	Þ6a150/3	-8.18	0.25	Þ6a300/3
66	0.00	1.62	0.05	Þ6a150/3	-12.96	0.40	Þ8a300/3
66	0.00	1.62	0.05	Þ6a150/3	-12.26	0.38	Þ8a300/3
66	2.00	1.62	0.05	Þ6a150/3	6.37	0.20	Þ6a300/3
66	2.00	1.62	0.05	Þ6a150/3	6.73	0.21	Þ6a300/3
66	4.00	-1.62	0.05	Þ6a150/3	12.45	0.38	Þ6a300/3
66	4.00	1.62	0.05	Þ6a150/3	12.50	0.39	Þ6a300/3
66	6.00	-1.62	0.05	Þ6a150/3	4.55	0.14	Þ6a300/3
66	6.00	1.62	0.05	Þ6a150/3	4.81	0.15	Þ6a300/3
66	8.00	-1.62	0.05	Þ6a150/3	-16.89	0.52	Þ8a300/3
66	8.00	-1.62	0.05	Þ6a150/3	-16.20	0.50	Þ8a300/3
67	0.00	1.62	0.05	Þ6a150/3	-12.45	0.38	Þ6a300/3
67	0.00	1.62	0.05	Þ6a150/3	-11.26	0.35	Þ6a300/3

67	1.50	1.62	0.05	Þ6a150/3	-3.07	0.09	Þ6a300/3
67	1.50	1.62	0.05	Þ6a150/3	-2.66	0.08	Þ6a300/3
67	3.00	-1.62	0.05	Þ6a150/3	-1.62	0.05	Þ6a300/3
67	3.00	1.62	0.05	Þ6a150/3	-1.62	0.05	Þ6a300/3
67	4.50	-1.62	0.05	Þ6a150/3	-5.97	0.18	Þ6a300/3
67	4.50	-1.62	0.05	Þ6a150/3	-4.90	0.15	Þ6a300/3
67	6.00	-1.62	0.05	Þ6a150/3	-18.34	0.57	Þ6a300/3
67	6.00	-1.62	0.05	Þ6a150/3	-16.38	0.51	Þ8a300/3
68	0.00	1.62	0.05	Þ6a150/3	-55.06	1.70	Þ8a280/3
68	0.00	1.62	0.05	Þ6a150/3	-52.52	1.62	Þ8a290/3
68	1.25	1.62	0.05	Þ6a150/3	-18.70	0.58	Þ8a300/3
68	1.25	1.62	0.05	Þ6a150/3	-17.30	0.53	Þ8a300/3
68	2.50	1.62	0.05	Þ6a150/3	6.33	0.20	Þ8a300/3
68	2.50	1.62	0.05	Þ6a150/3	7.16	0.22	Þ8a300/3
68	3.75	-1.62	0.05	Þ6a150/3	28.25	0.87	Þ8a300/3
68	3.75	1.62	0.05	Þ6a150/3	28.66	0.88	Þ8a300/3
68	5.00	-1.62	0.05	Þ6a150/3	48.15	1.49	Þ8a300/3
68	5.00	1.62	0.05	Þ6a150/3	48.31	1.49	Þ8a300/3
69	0.00	1.62	0.05	Þ6a150/3	48.46	1.50	Þ6a300/3
69	0.00	1.62	0.05	Þ6a150/3	48.55	1.50	Þ8a300/3
69	1.25	1.62	0.05	Þ6a150/3	29.64	0.91	Þ8a300/3
69	1.25	1.62	0.05	Þ6a150/3	30.33	0.94	Þ8a300/3
69	2.50	-1.62	0.05	Þ6a150/3	8.63	0.27	Þ8a300/3
69	2.50	1.62	0.05	Þ6a150/3	9.74	0.30	Þ8a300/3
69	3.75	-1.62	0.05	Þ6a150/3	-15.09	0.47	Þ8a300/3
69	3.75	-1.62	0.05	Þ6a150/3	-13.41	0.41	Þ8a300/3
69	5.00	-1.62	0.05	Þ6a150/3	-48.77	1.51	Þ8a300/3
69	5.00	-1.62	0.05	Þ6a150/3	-45.91	1.42	Þ8a300/3
70	0.00	-1.62	0.05	Þ6a150/3	-17.27	0.53	Þ8a300/3
70	0.00	1.62	0.05	Þ6a150/3	-16.50	0.51	Þ8a300/3
70	1.25	-1.62	0.05	Þ6a150/3	1.62	0.05	Þ8a300/3
70	1.25	1.62	0.05	Þ6a150/3	1.90	0.06	Þ8a300/3
70	2.50	-1.62	0.05	Þ6a150/3	16.25	0.50	Þ8a300/3
70	2.50	1.62	0.05	Þ6a150/3	16.63	0.51	Þ8a300/3
70	3.75	-1.62	0.05	Þ6a150/3	28.32	0.87	Þ6a300/3
70	3.75	1.62	0.05	Þ6a150/3	28.52	0.88	Þ6a300/3
70	5.00	-1.62	0.05	Þ6a150/3	36.76	1.13	Þ6a300/3
70	5.00	1.62	0.05	Þ6a150/3	36.77	1.13	Þ6a300/3
71	0.00	-1.62	0.05	Þ6a150/3	36.69	1.13	Þ6a300/3
71	0.00	1.62	0.05	Þ6a150/3	36.71	1.13	Þ6a300/3
71	1.25	-1.62	0.05	Þ6a150/3	23.52	0.73	Þ8a300/3
71	1.25	1.62	0.05	Þ6a150/3	23.67	0.73	Þ8a300/3
71	2.50	-1.62	0.05	Þ6a150/3	7.62	0.24	Þ8a300/3
71	2.50	1.62	0.05	Þ6a150/3	7.87	0.24	Þ8a300/3
71	3.75	-1.62	0.05	Þ6a150/3	-10.96	0.34	Þ8a300/3
71	3.75	1.62	0.05	Þ6a150/3	-10.59	0.33	Þ8a300/3
71	5.00	-1.62	0.05	Þ6a150/3	-36.36	1.12	Þ8a300/3
71	5.00	1.62	0.05	Þ6a150/3	-35.76	1.10	Þ8a300/3
72	0.00	1.62	0.05	Þ6a150/3	-25.16	0.78	Þ8a300/3
72	0.00	1.62	0.05	Þ6a150/3	-24.39	0.75	Þ8a300/3
72	1.50	1.62	0.05	Þ6a150/3	-10.80	0.33	Þ6a300/3
72	1.50	1.62	0.05	Þ6a150/3	-10.45	0.32	Þ6a300/3
72	3.00	1.62	0.05	Þ6a150/3	-3.37	0.10	Þ6a300/3
72	3.00	1.62	0.05	Þ6a150/3	-3.37	0.10	Þ6a300/3
72	4.50	-1.62	0.05	Þ6a150/3	-2.21	0.07	Þ6a300/3
72	4.50	-1.62	0.05	Þ6a150/3	-1.88	0.06	Þ6a300/3
72	6.00	-1.62	0.05	Þ6a150/3	-6.86	0.21	Þ6a300/3
72	6.00	-1.62	0.05	Þ6a150/3	-6.18	0.19	Þ6a300/3
73	0.00	-1.62	0.05	Þ6a150/3	-9.71	0.30	Þ6a300/3
73	0.00	1.62	0.05	Þ6a150/3	-9.21	0.28	Þ6a300/3
73	2.00	-1.62	0.05	Þ6a150/3	4.82	0.15	Þ6a300/3
73	2.00	1.62	0.05	Þ6a150/3	5.09	0.16	Þ6a300/3
73	4.00	-1.62	0.05	Þ6a150/3	9.20	0.28	Þ6a300/3
73	4.00	-1.62	0.05	Þ6a150/3	9.24	0.29	Þ6a300/3
73	6.00	-1.62	0.05	Þ6a150/3	3.00	0.09	Þ6a300/3
73	6.00	-1.62	0.05	Þ6a150/3	3.19	0.10	Þ6a300/3
73	8.00	-1.62	0.05	Þ6a150/3	-13.57	0.42	Þ8a300/3
73	8.00	-1.62	0.05	Þ6a150/3	-13.14	0.41	Þ8a300/3
74	0.00	-1.62	0.05	Þ6a150/3	-10.51	0.32	Þ6a300/3

74	0.00	-1.62	0.05	Þ6a150/3	-9.64	0.30	Þ6a300/3
74	1.50	-1.62	0.05	Þ6a150/3	-2.24	0.07	Þ6a300/3
74	1.50	-1.62	0.05	Þ6a150/3	-1.95	0.06	Þ6a300/3
74	3.00	1.62	0.05	Þ6a150/3	1.62	0.05	Þ6a300/3
74	3.00	1.62	0.05	Þ6a150/3	1.62	0.05	Þ6a300/3
74	4.50	1.62	0.05	Þ6a150/3	-2.21	0.07	Þ6a300/3
74	4.50	1.62	0.05	Þ6a150/3	-1.62	0.05	Þ6a300/3
74	6.00	1.62	0.05	Þ6a150/3	-10.19	0.31	Þ6a300/3
74	6.00	1.62	0.05	Þ6a150/3	-8.82	0.27	Þ6a300/3
75	0.00	1.62	0.05	Þ6a150/3	-34.56	1.07	Þ8a300/3
75	0.00	1.62	0.05	Þ6a150/3	-32.84	1.01	Þ8a300/3
75	1.25	1.62	0.05	Þ6a150/3	-12.34	0.38	Þ8a300/3
75	1.25	1.62	0.05	Þ6a150/3	-11.29	0.35	Þ8a300/3
75	2.50	-1.62	0.05	Þ6a150/3	3.89	0.12	Þ8a300/3
75	2.50	1.62	0.05	Þ6a150/3	4.50	0.14	Þ8a300/3
75	3.75	-1.62	0.05	Þ6a150/3	17.18	0.53	Þ6a300/3
75	3.75	-1.62	0.05	Þ6a150/3	17.42	0.54	Þ6a300/3
75	5.00	-1.62	0.05	Þ6a150/3	27.58	0.85	Þ6a300/3
75	5.00	-1.62	0.05	Þ6a150/3	27.78	0.86	Þ6a300/3
76	0.00	-1.62	0.05	Þ6a150/3	27.61	0.85	Þ6a300/3
76	0.00	-1.62	0.05	Þ6a150/3	27.82	0.86	Þ6a300/3
76	1.25	-1.62	0.05	Þ6a150/3	17.54	0.54	Þ6a300/3
76	1.25	-1.62	0.05	Þ6a150/3	18.10	0.56	Þ6a300/3
76	2.50	-1.62	0.05	Þ6a150/3	4.71	0.15	Þ8a300/3
76	2.50	-1.62	0.05	Þ6a150/3	5.55	0.17	Þ8a300/3
76	3.75	1.62	0.05	Þ6a150/3	-10.97	0.34	Þ8a300/3
76	3.75	1.62	0.05	Þ6a150/3	-9.76	0.30	Þ8a300/3
76	5.00	1.62	0.05	Þ6a150/3	-32.36	1.00	Þ8a300/3
76	5.00	1.62	0.05	Þ6a150/3	-30.56	0.94	Þ8a300/3
77	0.00	1.44	0.05	Þ6a150/3	-11.37	0.39	Þ8a270/3
77	0.00	1.44	0.05	Þ6a150/3	-9.67	0.34	Þ6a270/3
77	2.00	1.44	0.05	Þ6a150/3	3.92	0.14	Þ6a270/3
77	2.00	1.44	0.05	Þ6a150/3	4.79	0.17	Þ6a270/3
77	4.00	-1.44	0.05	Þ6a150/3	8.77	0.30	Þ6a270/3
77	4.00	1.44	0.05	Þ6a150/3	8.88	0.31	Þ6a270/3
77	6.00	-1.44	0.05	Þ6a150/3	2.35	0.08	Þ6a270/3
77	6.00	-1.44	0.05	Þ6a150/3	2.99	0.10	Þ6a270/3
77	8.00	-1.44	0.05	Þ6a150/3	-14.88	0.52	Þ8a270/3
77	8.00	-1.44	0.05	Þ6a150/3	-13.37	0.46	Þ8a270/3
78	0.00	-1.44	0.05	Þ6a150/3	-5.49	0.19	Þ6a270/3
78	0.00	1.44	0.05	Þ6a150/3	-3.49	0.12	Þ6a270/3
78	1.00	-1.44	0.05	Þ6a150/3	-2.32	0.08	Þ6a270/3
78	1.00	1.44	0.05	Þ6a150/3	-1.44	0.05	Þ6a270/3
78	2.00	-1.44	0.05	Þ6a150/3	-1.44	0.05	Þ6a270/3
78	2.00	1.44	0.05	Þ6a150/3	-1.44	0.05	Þ6a270/3
78	3.00	-1.44	0.05	Þ6a150/3	-3.49	0.12	Þ6a270/3
78	3.00	1.44	0.05	Þ6a150/3	-2.50	0.09	Þ6a270/3
78	4.00	-1.44	0.05	Þ6a150/3	-7.88	0.27	Þ6a270/3
78	4.00	1.44	0.05	Þ6a150/3	-5.85	0.20	Þ6a270/3
79	0.00	-1.44	0.05	Þ6a150/3	-15.35	0.53	Þ8a270/3
79	0.00	1.44	0.05	Þ6a150/3	-13.83	0.48	Þ8a270/3
79	2.00	-1.44	0.05	Þ6a150/3	3.39	0.12	Þ6a270/3
79	2.00	1.44	0.05	Þ6a150/3	4.04	0.14	Þ6a270/3
79	4.00	1.44	0.05	Þ6a150/3	9.92	0.34	Þ6a270/3
79	4.00	1.44	0.05	Þ6a150/3	10.04	0.35	Þ6a270/3
79	6.00	-1.44	0.05	Þ6a150/3	3.66	0.13	Þ6a270/3
79	6.00	1.44	0.05	Þ6a150/3	4.54	0.16	Þ6a270/3
79	8.00	-1.44	0.05	Þ6a150/3	-14.65	0.51	Þ8a270/3
79	8.00	1.44	0.05	Þ6a150/3	-12.80	0.45	Þ8a270/3
80	0.00	1.44	0.05	Þ6a150/3	-5.30	0.18	Þ8a270/3
80	0.00	1.44	0.05	Þ6a150/3	-5.00	0.17	Þ8a270/3
80	2.00	1.44	0.05	Þ6a150/3	12.95	0.45	Þ6a270/3
80	2.00	1.44	0.05	Þ6a150/3	13.15	0.46	Þ6a270/3
80	4.00	-1.44	0.05	Þ6a150/3	17.86	0.62	Þ6a270/3
80	4.00	1.44	0.05	Þ6a150/3	17.93	0.62	Þ6a270/3
80	6.00	-1.44	0.05	Þ6a150/3	8.11	0.28	Þ6a270/3
80	6.00	-1.44	0.05	Þ6a150/3	8.16	0.28	Þ6a270/3
80	8.00	-1.44	0.05	Þ6a150/3	-15.02	0.52	Þ8a270/3
80	8.00	-1.44	0.05	Þ6a150/3	-14.84	0.52	Þ8a270/3

B1	0.00	-1.44	0.05	Þ6a150/3	-13.54	0.47	Þ6a270/3
B1	0.00	1.44	0.05	Þ6a150/3	-13.46	0.47	Þ6a270/3
B1	1.00	-1.44	0.05	Þ6a150/3	-8.79	0.31	Þ6a270/3
B1	1.00	1.44	0.05	Þ6a150/3	-8.75	0.30	Þ6a270/3
B1	2.00	-1.44	0.05	Þ6a150/3	-6.91	0.24	Þ6a270/3
B1	2.00	1.44	0.05	Þ6a150/3	-6.90	0.24	Þ6a270/3
B1	3.00	-1.44	0.05	Þ6a150/3	-7.79	0.27	Þ6a270/3
B1	3.00	1.44	0.05	Þ6a150/3	-7.76	0.27	Þ6a270/3
B1	4.00	-1.44	0.05	Þ6a150/3	-11.49	0.40	Þ6a270/3
B1	4.00	1.44	0.05	Þ6a150/3	-11.42	0.40	Þ6a270/3
B2	0.00	-1.44	0.05	Þ6a150/3	-13.13	0.46	Þ8a270/3
B2	0.00	1.44	0.05	Þ6a150/3	-12.95	0.45	Þ8a270/3
B2	2.00	-1.44	0.05	Þ6a150/3	9.39	0.33	Þ6a270/3
B2	2.00	1.44	0.05	Þ6a150/3	9.45	0.33	Þ6a270/3
B2	4.00	-1.44	0.05	Þ6a150/3	18.66	0.65	Þ6a270/3
B2	4.00	1.44	0.05	Þ6a150/3	18.73	0.65	Þ6a270/3
B2	6.00	-1.44	0.05	Þ6a150/3	13.17	0.46	Þ6a270/3
B2	6.00	1.44	0.05	Þ6a150/3	13.37	0.46	Þ6a270/3
B2	8.00	-1.44	0.05	Þ6a150/3	-5.62	0.20	Þ8a270/3
B2	8.00	1.44	0.05	Þ6a150/3	-5.31	0.18	Þ8a270/3
B3	0.00	1.44	0.05	Þ6a150/3	-16.87	0.59	Þ8a270/3
B3	0.00	1.44	0.05	Þ6a150/3	-14.58	0.51	Þ8a270/3
B3	2.00	1.44	0.05	Þ6a150/3	5.49	0.19	Þ6a270/3
B3	2.00	1.44	0.05	Þ6a150/3	6.62	0.23	Þ6a270/3
B3	4.00	-1.44	0.05	Þ6a150/3	12.65	0.44	Þ6a270/3
B3	4.00	-1.44	0.05	Þ6a150/3	12.79	0.44	Þ6a270/3
B3	6.00	-1.44	0.05	Þ6a150/3	3.47	0.12	Þ6a270/3
B3	6.00	-1.44	0.05	Þ6a150/3	4.31	0.15	Þ6a270/3
B3	8.00	-1.44	0.05	Þ6a150/3	-21.54	0.75	Þ8a270/3
B3	8.00	-1.44	0.05	Þ6a150/3	-19.48	0.68	Þ8a270/3
B4	0.00	-1.44	0.05	Þ6a150/3	-7.46	0.26	Þ6a270/3
B4	0.00	1.44	0.05	Þ6a150/3	-4.80	0.17	Þ6a270/3
B4	1.00	-1.44	0.05	Þ6a150/3	-3.42	0.12	Þ6a270/3
B4	1.00	1.44	0.05	Þ6a150/3	-2.12	0.07	Þ6a270/3
B4	2.00	-1.44	0.05	Þ6a150/3	-2.25	0.08	Þ6a270/3
B4	2.00	1.44	0.05	Þ6a150/3	-2.25	0.08	Þ6a270/3
B4	3.00	-1.44	0.05	Þ6a150/3	-5.18	0.18	Þ6a270/3
B4	3.00	1.44	0.05	Þ6a150/3	-3.86	0.13	Þ6a270/3
B4	4.00	-1.44	0.05	Þ6a150/3	-11.10	0.39	Þ6a270/3
B4	4.00	1.44	0.05	Þ6a150/3	-8.37	0.29	Þ6a270/3
B5	0.00	-1.44	0.05	Þ6a150/3	-23.70	0.82	Þ8a270/3
B5	0.00	1.44	0.05	Þ6a150/3	-21.57	0.75	Þ8a270/3
B5	2.00	-1.44	0.05	Þ6a150/3	5.26	0.18	Þ6a270/3
B5	2.00	1.44	0.05	Þ6a150/3	6.12	0.21	Þ6a270/3
B5	4.00	-1.44	0.05	Þ6a150/3	15.24	0.53	Þ6a270/3
B5	4.00	1.44	0.05	Þ6a150/3	15.40	0.53	Þ6a270/3
B5	6.00	-1.44	0.05	Þ6a150/3	5.49	0.19	Þ6a270/3
B5	6.00	1.44	0.05	Þ6a150/3	6.65	0.23	Þ6a270/3
B5	8.00	-1.44	0.05	Þ6a150/3	-23.01	0.80	Þ8a270/3
B5	8.00	1.44	0.05	Þ6a150/3	-20.57	0.71	Þ8a270/3
B6	0.00	-1.44	0.05	Þ6a150/3	-18.30	0.64	Þ8a270/3
B6	0.00	1.44	0.05	Þ6a150/3	-15.96	0.55	Þ8a270/3
B6	2.00	-1.44	0.05	Þ6a150/3	5.48	0.19	Þ6a270/3
B6	2.00	1.44	0.05	Þ6a150/3	6.63	0.23	Þ6a270/3
B6	4.00	-1.44	0.05	Þ6a150/3	13.16	0.46	Þ6a270/3
B6	4.00	-1.44	0.05	Þ6a150/3	13.31	0.46	Þ6a270/3
B6	6.00	-1.44	0.05	Þ6a150/3	3.63	0.13	Þ6a270/3
B6	6.00	1.44	0.05	Þ6a150/3	4.47	0.16	Þ6a270/3
B6	8.00	-1.44	0.05	Þ6a150/3	-22.65	0.79	Þ8a270/3
B6	8.00	1.44	0.05	Þ6a150/3	-20.56	0.71	Þ8a270/3
B7	0.00	-1.44	0.05	Þ6a150/3	-7.41	0.26	Þ6a270/3
B7	0.00	-1.44	0.05	Þ6a150/3	-4.76	0.17	Þ6a270/3
B7	1.00	-1.44	0.05	Þ6a150/3	-3.47	0.12	Þ6a270/3
B7	1.00	-1.44	0.05	Þ6a150/3	-2.17	0.08	Þ6a270/3
B7	2.00	-1.44	0.05	Þ6a150/3	-2.38	0.08	Þ6a270/3
B7	2.00	1.44	0.05	Þ6a150/3	-2.38	0.08	Þ6a270/3
B7	3.00	1.44	0.05	Þ6a150/3	-5.40	0.19	Þ6a270/3
B7	3.00	1.44	0.05	Þ6a150/3	-4.09	0.14	Þ6a270/3
B7	4.00	1.44	0.05	Þ6a150/3	-11.43	0.40	Þ6a270/3

87	4.00	1.44	0.05	Þ6a150/3	-8.71	0.30	Þ6a270/3
88	0.00	-1.44	0.05	Þ6a150/3	-25.33	0.88	Þ8a270/3
88	0.00	-1.44	0.05	Þ6a150/3	-23.18	0.80	Þ8a270/3
88	2.00	-1.44	0.05	Þ6a150/3	5.44	0.19	Þ6a270/3
88	2.00	1.44	0.05	Þ6a150/3	6.30	0.22	Þ6a270/3
88	4.00	1.44	0.05	Þ6a150/3	15.97	0.55	Þ6a270/3
88	4.00	1.44	0.05	Þ6a150/3	16.13	0.56	Þ6a270/3
88	6.00	1.44	0.05	Þ6a150/3	5.56	0.19	Þ6a270/3
88	6.00	1.44	0.05	Þ6a150/3	6.72	0.23	Þ6a270/3
88	8.00	1.44	0.05	Þ6a150/3	-24.90	0.86	Þ8a270/3
88	8.00	1.44	0.05	Þ6a150/3	-22.39	0.78	Þ8a270/3
89	0.00	-1.44	0.05	Þ6a150/3	-18.33	0.64	Þ8a270/3
89	0.00	1.44	0.05	Þ6a150/3	-16.04	0.56	Þ8a270/3
89	2.00	-1.44	0.05	Þ6a150/3	5.46	0.19	Þ6a270/3
89	2.00	1.44	0.05	Þ6a150/3	6.58	0.23	Þ6a270/3
89	4.00	-1.44	0.05	Þ6a150/3	13.13	0.46	Þ6a270/3
89	4.00	-1.44	0.05	Þ6a150/3	13.28	0.46	Þ6a270/3
89	6.00	-1.44	0.05	Þ6a150/3	3.62	0.13	Þ6a270/3
89	6.00	1.44	0.05	Þ6a150/3	4.45	0.15	Þ6a270/3
89	8.00	-1.44	0.05	Þ6a150/3	-22.62	0.79	Þ8a270/3
89	8.00	1.44	0.05	Þ6a150/3	-20.58	0.71	Þ8a270/3
90	0.00	-1.44	0.05	Þ6a150/3	-7.59	0.26	Þ6a270/3
90	0.00	-1.44	0.05	Þ6a150/3	-5.01	0.17	Þ6a270/3
90	1.00	-1.44	0.05	Þ6a150/3	-3.27	0.11	Þ6a270/3
90	1.00	-1.44	0.05	Þ6a150/3	-2.02	0.07	Þ6a270/3
90	2.00	-1.44	0.05	Þ6a150/3	-1.84	0.06	Þ6a270/3
90	2.00	1.44	0.05	Þ6a150/3	-1.83	0.06	Þ6a270/3
90	3.00	1.44	0.05	Þ6a150/3	-4.44	0.15	Þ6a270/3
90	3.00	1.44	0.05	Þ6a150/3	-3.18	0.11	Þ6a270/3
90	4.00	1.44	0.05	Þ6a150/3	-10.01	0.35	Þ6a270/3
90	4.00	1.44	0.05	Þ6a150/3	-7.39	0.26	Þ6a270/3
91	0.00	-1.44	0.05	Þ6a150/3	-20.67	0.72	Þ8a270/3
91	0.00	1.44	0.05	Þ6a150/3	-18.63	0.65	Þ8a270/3
91	2.00	-1.44	0.05	Þ6a150/3	4.39	0.15	Þ6a270/3
91	2.00	1.44	0.05	Þ6a150/3	5.22	0.18	Þ6a270/3
91	4.00	-1.44	0.05	Þ6a150/3	12.93	0.45	Þ6a270/3
91	4.00	1.44	0.05	Þ6a150/3	13.09	0.45	Þ6a270/3
91	6.00	-1.44	0.05	Þ6a150/3	4.30	0.15	Þ6a270/3
91	6.00	1.44	0.05	Þ6a150/3	5.44	0.19	Þ6a270/3
91	8.00	-1.44	0.05	Þ6a150/3	-20.70	0.72	Þ8a270/3
91	8.00	1.44	0.05	Þ6a150/3	-18.33	0.64	Þ8a270/3
92	0.00	-1.44	0.05	Þ6a150/3	-16.67	0.58	Þ8a270/3
92	0.00	1.44	0.05	Þ6a150/3	-14.62	0.51	Þ8a270/3
92	2.00	-1.44	0.05	Þ6a150/3	5.52	0.19	Þ6a270/3
92	2.00	1.44	0.05	Þ6a150/3	6.54	0.23	Þ6a270/3
92	4.00	-1.44	0.05	Þ6a150/3	12.52	0.43	Þ6a270/3
92	4.00	-1.44	0.05	Þ6a150/3	12.66	0.44	Þ6a270/3
92	6.00	-1.44	0.05	Þ6a150/3	3.30	0.11	Þ6a270/3
92	6.00	1.44	0.05	Þ6a150/3	4.04	0.14	Þ6a270/3
92	8.00	-1.44	0.05	Þ6a150/3	-21.78	0.76	Þ8a270/3
92	8.00	1.44	0.05	Þ6a150/3	-19.94	0.69	Þ8a270/3
93	0.00	-1.44	0.05	Þ6a150/3	-9.29	0.32	Þ6a270/3
93	0.00	-1.44	0.05	Þ6a150/3	-6.69	0.23	Þ6a270/3
93	1.00	-1.44	0.05	Þ6a150/3	-3.43	0.12	Þ6a270/3
93	1.00	-1.44	0.05	Þ6a150/3	-2.25	0.08	Þ6a270/3
93	2.00	-1.44	0.05	Þ6a150/3	-1.44	0.05	Þ6a270/3
93	2.00	1.44	0.05	Þ6a150/3	-1.44	0.05	Þ6a270/3
93	3.00	1.44	0.05	Þ6a150/3	-1.85	0.06	Þ6a270/3
93	3.00	1.44	0.05	Þ6a150/3	-1.44	0.05	Þ6a270/3
93	4.00	1.44	0.05	Þ6a150/3	-5.86	0.20	Þ6a270/3
93	4.00	1.44	0.05	Þ6a150/3	-3.03	0.11	Þ6a270/3
94	0.00	-1.44	0.05	Þ6a150/3	-20.25	0.70	Þ8a270/3
94	0.00	-1.44	0.05	Þ6a150/3	-18.01	0.63	Þ8a270/3
94	2.00	-1.44	0.05	Þ6a150/3	3.26	0.11	Þ6a270/3
94	2.00	-1.44	0.05	Þ6a150/3	4.20	0.15	Þ6a270/3
94	4.00	1.44	0.05	Þ6a150/3	11.03	0.38	Þ6a270/3
94	4.00	1.44	0.05	Þ6a150/3	11.15	0.39	Þ6a270/3
94	6.00	1.44	0.05	Þ6a150/3	2.54	0.09	Þ6a270/3
94	6.00	1.44	0.05	Þ6a150/3	3.71	0.13	Þ6a270/3

94	8.00	1.44	0.05	Þ6a150/3	-21.77	0.76	Þ8a270/3
94	8.00	1.44	0.05	Þ6a150/3	-19.24	0.67	Þ8a270/3
95	0.00	-1.44	0.05	Þ6a150/3	-5.31	0.18	Þ8a270/3
95	0.00	1.44	0.05	Þ6a150/3	-5.05	0.18	Þ8a270/3
95	2.00	-1.44	0.05	Þ6a150/3	13.62	0.47	Þ6a270/3
95	2.00	1.44	0.05	Þ6a150/3	13.79	0.48	Þ6a270/3
95	4.00	-1.44	0.05	Þ6a150/3	19.25	0.67	Þ6a270/3
95	4.00	-1.44	0.05	Þ6a150/3	19.32	0.67	Þ6a270/3
95	6.00	-1.44	0.05	Þ6a150/3	10.07	0.35	Þ6a270/3
95	6.00	1.44	0.05	Þ6a150/3	10.12	0.35	Þ6a270/3
95	8.00	-1.44	0.05	Þ6a150/3	-12.30	0.43	Þ8a270/3
95	8.00	1.44	0.05	Þ6a150/3	-12.14	0.42	Þ8a270/3
96	0.00	-1.44	0.05	Þ6a150/3	-9.31	0.32	Þ6a270/3
96	0.00	-1.44	0.05	Þ6a150/3	-9.26	0.32	Þ6a270/3
96	1.00	-1.44	0.05	Þ6a150/3	-6.99	0.24	Þ6a270/3
96	1.00	-1.44	0.05	Þ6a150/3	-6.97	0.24	Þ6a270/3
96	2.00	-1.44	0.05	Þ6a150/3	-7.42	0.26	Þ6a270/3
96	2.00	1.44	0.05	Þ6a150/3	-7.41	0.26	Þ6a270/3
96	3.00	1.44	0.05	Þ6a150/3	-10.65	0.37	Þ6a270/3
96	3.00	1.44	0.05	Þ6a150/3	-10.61	0.37	Þ6a270/3
96	4.00	1.44	0.05	Þ6a150/3	-16.87	0.59	Þ6a270/3
96	4.00	1.44	0.05	Þ6a150/3	-16.80	0.58	Þ6a270/3
97	0.00	-1.44	0.05	Þ6a150/3	-18.31	0.64	Þ8a270/3
97	0.00	-1.44	0.05	Þ6a150/3	-18.10	0.63	Þ8a270/3
97	2.00	-1.44	0.05	Þ6a150/3	6.99	0.24	Þ6a270/3
97	2.00	-1.44	0.05	Þ6a150/3	7.06	0.25	Þ6a270/3
97	4.00	1.44	0.05	Þ6a150/3	17.71	0.61	Þ6a270/3
97	4.00	1.44	0.05	Þ6a150/3	17.77	0.62	Þ6a270/3
97	6.00	1.44	0.05	Þ6a150/3	12.81	0.44	Þ6a270/3
97	6.00	1.44	0.05	Þ6a150/3	13.00	0.45	Þ6a270/3
97	8.00	1.44	0.05	Þ6a150/3	-6.39	0.22	Þ8a270/3
97	8.00	1.44	0.05	Þ6a150/3	-6.08	0.21	Þ8a270/3
98	0.00	-1.44	0.05	Þ6a150/3	-10.93	0.38	Þ8a270/3
98	0.00	1.44	0.05	Þ6a150/3	-9.60	0.33	Þ6a270/3
98	2.00	-1.44	0.05	Þ6a150/3	4.06	0.14	Þ6a270/3
98	2.00	1.44	0.05	Þ6a150/3	4.74	0.16	Þ6a270/3
98	4.00	-1.44	0.05	Þ6a150/3	8.62	0.30	Þ6a270/3
98	4.00	1.44	0.05	Þ6a150/3	8.71	0.30	Þ6a270/3
98	6.00	-1.44	0.05	Þ6a150/3	2.08	0.07	Þ6a270/3
98	6.00	1.44	0.05	Þ6a150/3	2.57	0.09	Þ6a270/3
98	8.00	-1.44	0.05	Þ6a150/3	-15.31	0.53	Þ8a270/3
98	8.00	1.44	0.05	Þ6a150/3	-14.12	0.49	Þ8a270/3
99	0.00	1.44	0.05	Þ6a150/3	-7.68	0.27	Þ6a270/3
99	0.00	1.44	0.05	Þ6a150/3	-5.93	0.21	Þ6a270/3
99	1.00	1.44	0.05	Þ6a150/3	-2.47	0.09	Þ6a270/3
99	1.00	1.44	0.05	Þ6a150/3	-1.68	0.06	Þ6a270/3
99	2.00	-1.44	0.05	Þ6a150/3	1.44	0.05	Þ6a270/3
99	2.00	-1.44	0.05	Þ6a150/3	1.44	0.05	Þ6a270/3
99	3.00	-1.44	0.05	Þ6a150/3	1.44	0.05	Þ6a270/3
99	3.00	-1.44	0.05	Þ6a150/3	1.44	0.05	Þ6a270/3
99	4.00	-1.44	0.05	Þ6a150/3	-1.94	0.07	Þ6a270/3
99	4.00	-1.44	0.05	Þ6a150/3	-1.44	0.05	Þ6a270/3
100	0.00	-1.44	0.05	Þ6a150/3	-8.32	0.29	Þ6a270/3
100	0.00	-1.44	0.05	Þ6a150/3	-6.93	0.24	Þ6a270/3
100	2.00	-1.44	0.05	Þ6a150/3	1.44	0.05	Þ6a270/3
100	2.00	-1.44	0.05	Þ6a150/3	1.76	0.06	Þ6a270/3
100	4.00	-1.44	0.05	Þ6a150/3	4.15	0.14	Þ6a270/3
100	4.00	-1.44	0.05	Þ6a150/3	4.23	0.15	Þ6a270/3
100	6.00	1.44	0.05	Þ6a150/3	1.44	0.05	Þ6a270/3
100	6.00	1.44	0.05	Þ6a150/3	1.44	0.05	Þ6a270/3
100	8.00	1.44	0.05	Þ6a150/3	-10.07	0.35	Þ6a270/3
100	8.00	1.44	0.05	Þ6a150/3	-8.51	0.30	Þ6a270/3
101	0.00	-1.35	0.05	Þ6a150/3	-5.26	0.19	Þ6a250/3
101	0.00	-1.35	0.05	Þ6a150/3	-5.23	0.19	Þ6a250/3
101	1.25	-1.35	0.05	Þ6a150/3	-2.02	0.07	Þ6a250/3
101	1.25	-1.35	0.05	Þ6a150/3	-2.02	0.07	Þ6a250/3
101	2.50	-1.35	0.05	Þ6a150/3	1.35	0.05	Þ6a250/3
101	2.50	-1.35	0.05	Þ6a150/3	1.35	0.05	Þ6a250/3
101	3.75	-1.35	0.05	Þ6a150/3	1.68	0.06	Þ6a250/3

101	3.75	-1.35	0.05	Þ6a150/3	1.71	0.06	Þ6a250/3
101	5.00	-1.35	0.05	Þ6a150/3	2.22	0.08	Þ6a250/3
101	5.00	1.35	0.05	Þ6a150/3	2.26	0.08	Þ6a250/3
102	0.00	-1.35	0.05	Þ6a150/3	2.22	0.08	Þ6a250/3
102	0.00	1.35	0.05	Þ6a150/3	2.26	0.08	Þ6a250/3
102	1.25	1.35	0.05	Þ6a150/3	1.88	0.07	Þ6a250/3
102	1.25	1.35	0.05	Þ6a150/3	1.93	0.07	Þ6a250/3
102	2.50	1.35	0.05	Þ6a150/3	1.35	0.05	Þ6a250/3
102	2.50	1.35	0.05	Þ6a150/3	1.35	0.05	Þ6a250/3
102	3.75	1.35	0.05	Þ6a150/3	-1.42	0.05	Þ6a250/3
102	3.75	1.35	0.05	Þ6a150/3	-1.35	0.05	Þ6a250/3
102	5.00	1.35	0.05	Þ6a150/3	-4.42	0.16	Þ6a250/3
102	5.00	1.35	0.05	Þ6a150/3	-4.31	0.16	Þ6a250/3
103	0.00	-1.35	0.05	Þ6a150/3	-1.35	0.05	Þ6a250/3
103	0.00	1.35	0.05	Þ6a150/3	-1.35	0.05	Þ6a250/3
103	1.50	-1.35	0.05	Þ6a150/3	1.35	0.05	Þ6a250/3
103	1.50	1.35	0.05	Þ6a150/3	1.35	0.05	Þ6a250/3
103	3.00	1.35	0.05	Þ6a150/3	1.35	0.05	Þ6a250/3
103	3.00	1.35	0.05	Þ6a150/3	1.35	0.05	Þ6a250/3
103	4.50	-1.35	0.05	Þ6a150/3	1.35	0.05	Þ6a250/3
103	4.50	1.35	0.05	Þ6a150/3	1.35	0.05	Þ6a250/3
103	6.00	-1.35	0.05	Þ6a150/3	-2.23	0.08	Þ6a250/3
103	6.00	1.35	0.05	Þ6a150/3	-2.01	0.07	Þ6a250/3
104	0.00	1.35	0.05	Þ6a150/3	-3.13	0.12	Þ6a250/3
104	0.00	1.35	0.05	Þ6a150/3	-2.97	0.11	Þ6a250/3
104	2.00	-1.35	0.05	Þ6a150/3	1.35	0.05	Þ6a250/3
104	2.00	1.35	0.05	Þ6a150/3	1.35	0.05	Þ6a250/3
104	4.00	-1.35	0.05	Þ6a150/3	1.36	0.05	Þ6a250/3
104	4.00	-1.35	0.05	Þ6a150/3	1.36	0.05	Þ6a250/3
104	6.00	-1.35	0.05	Þ6a150/3	1.35	0.05	Þ6a250/3
104	6.00	-1.35	0.05	Þ6a150/3	1.35	0.05	Þ6a250/3
104	8.00	-1.35	0.05	Þ6a150/3	-3.28	0.12	Þ6a250/3
104	8.00	-1.35	0.05	Þ6a150/3	-3.12	0.12	Þ6a250/3
105	0.00	-1.35	0.05	Þ6a150/3	-2.03	0.08	Þ6a250/3
105	0.00	1.35	0.05	Þ6a150/3	-1.81	0.07	Þ6a250/3
105	1.50	-1.35	0.05	Þ6a150/3	1.35	0.05	Þ6a250/3
105	1.50	1.35	0.05	Þ6a150/3	1.35	0.05	Þ6a250/3
105	3.00	-1.35	0.05	Þ6a150/3	1.35	0.05	Þ6a250/3
105	3.00	1.35	0.05	Þ6a150/3	1.35	0.05	Þ6a250/3
105	4.50	1.35	0.05	Þ6a150/3	1.35	0.05	Þ6a250/3
105	4.50	1.35	0.05	Þ6a150/3	1.35	0.05	Þ6a250/3
105	6.00	1.35	0.05	Þ6a150/3	-1.36	0.05	Þ6a250/3
105	6.00	1.35	0.05	Þ6a150/3	-1.35	0.05	Þ6a250/3
106	0.00	-1.35	0.05	Þ6a150/3	-4.34	0.16	Þ6a250/3
106	0.00	1.35	0.05	Þ6a150/3	-4.21	0.16	Þ6a250/3
106	1.25	-1.35	0.05	Þ6a150/3	-1.35	0.05	Þ6a250/3
106	1.25	1.35	0.05	Þ6a150/3	-1.35	0.05	Þ6a250/3
106	2.50	-1.35	0.05	Þ6a150/3	1.35	0.05	Þ6a250/3
106	2.50	1.35	0.05	Þ6a150/3	1.35	0.05	Þ6a250/3
106	3.75	1.35	0.05	Þ6a150/3	1.95	0.07	Þ6a250/3
106	3.75	1.35	0.05	Þ6a150/3	2.00	0.07	Þ6a250/3
106	5.00	1.35	0.05	Þ6a150/3	2.29	0.08	Þ6a250/3
106	5.00	1.35	0.05	Þ6a150/3	2.32	0.09	Þ6a250/3
107	0.00	1.35	0.05	Þ6a150/3	2.29	0.08	Þ6a250/3
107	0.00	1.35	0.05	Þ6a150/3	2.32	0.09	Þ6a250/3
107	1.25	-1.35	0.05	Þ6a150/3	1.74	0.06	Þ6a250/3
107	1.25	1.35	0.05	Þ6a150/3	1.74	0.06	Þ6a250/3
107	2.50	-1.35	0.05	Þ6a150/3	1.35	0.05	Þ6a250/3
107	2.50	1.35	0.05	Þ6a150/3	1.35	0.05	Þ6a250/3
107	3.75	-1.35	0.05	Þ6a150/3	-2.01	0.07	Þ6a250/3
107	3.75	1.35	0.05	Þ6a150/3	-1.95	0.07	Þ6a250/3
107	5.00	-1.35	0.05	Þ6a150/3	-5.26	0.19	Þ6a250/3
107	5.00	1.35	0.05	Þ6a150/3	-5.18	0.19	Þ6a250/3
108	0.00	-1.35	0.05	Þ6a150/3	-6.54	0.24	Þ6a250/3
108	0.00	1.35	0.05	Þ6a150/3	-6.50	0.24	Þ6a250/3
108	1.25	-1.35	0.05	Þ6a150/3	-3.09	0.11	Þ6a250/3
108	1.25	1.35	0.05	Þ6a150/3	-3.05	0.11	Þ6a250/3
108	2.50	-1.35	0.05	Þ6a150/3	-1.35	0.05	Þ6a250/3
108	2.50	1.35	0.05	Þ6a150/3	-1.35	0.05	Þ6a250/3

108	3.75	-1.35	0.05	Þ6a150/3	1.35	0.05	Þ6a250/3
108	3.75	1.35	0.05	Þ6a150/3	1.35	0.05	Þ6a250/3
108	5.00	1.35	0.05	Þ6a150/3	1.71	0.06	Þ6a250/3
108	5.00	1.35	0.05	Þ6a150/3	1.77	0.07	Þ6a250/3
109	0.00	1.35	0.05	Þ6a150/3	1.71	0.06	Þ6a250/3
109	0.00	1.35	0.05	Þ6a150/3	1.77	0.07	Þ6a250/3
109	1.25	-1.35	0.05	Þ6a150/3	1.55	0.06	Þ6a250/3
109	1.25	1.35	0.05	Þ6a150/3	1.62	0.06	Þ6a250/3
109	2.50	-1.35	0.05	Þ6a150/3	1.35	0.05	Þ6a250/3
109	2.50	1.35	0.05	Þ6a150/3	1.35	0.05	Þ6a250/3
109	3.75	-1.35	0.05	Þ6a150/3	-1.37	0.05	Þ6a250/3
109	3.75	1.35	0.05	Þ6a150/3	-1.35	0.05	Þ6a250/3
109	5.00	-1.35	0.05	Þ6a150/3	-4.19	0.16	Þ6a250/3
109	5.00	1.35	0.05	Þ6a150/3	-4.10	0.15	Þ6a250/3
110	0.00	1.35	0.05	Þ6a150/3	-1.35	0.05	Þ6a250/3
110	0.00	1.35	0.05	Þ6a150/3	1.35	0.05	Þ6a250/3
110	1.50	1.35	0.05	Þ6a150/3	1.35	0.05	Þ6a250/3
110	1.50	1.35	0.05	Þ6a150/3	1.38	0.05	Þ6a250/3
110	3.00	1.35	0.05	Þ6a150/3	1.35	0.05	Þ6a250/3
110	3.00	1.35	0.05	Þ6a150/3	1.36	0.05	Þ6a250/3
110	4.50	-1.35	0.05	Þ6a150/3	1.35	0.05	Þ6a250/3
110	4.50	-1.35	0.05	Þ6a150/3	1.35	0.05	Þ6a250/3
110	6.00	-1.35	0.05	Þ6a150/3	-2.46	0.09	Þ6a250/3
110	6.00	-1.35	0.05	Þ6a150/3	-2.23	0.08	Þ6a250/3
111	0.00	1.35	0.05	Þ6a150/3	-3.55	0.13	Þ6a250/3
111	0.00	1.35	0.05	Þ6a150/3	-3.38	0.13	Þ6a250/3
111	2.00	1.35	0.05	Þ6a150/3	-1.35	0.05	Þ6a250/3
111	2.00	1.35	0.05	Þ6a150/3	1.35	0.05	Þ6a250/3
111	4.00	-1.35	0.05	Þ6a150/3	1.35	0.05	Þ6a250/3
111	4.00	-1.35	0.05	Þ6a150/3	1.35	0.05	Þ6a250/3
111	6.00	-1.35	0.05	Þ6a150/3	1.35	0.05	Þ6a250/3
111	6.00	-1.35	0.05	Þ6a150/3	1.35	0.05	Þ6a250/3
111	8.00	-1.35	0.05	Þ6a150/3	-3.10	0.11	Þ6a250/3
111	8.00	-1.35	0.05	Þ6a150/3	-2.92	0.11	Þ6a250/3
112	0.00	1.35	0.05	Þ6a150/3	-1.97	0.07	Þ6a250/3
112	0.00	1.35	0.05	Þ6a150/3	-1.74	0.06	Þ6a250/3
112	1.50	1.35	0.05	Þ6a150/3	1.35	0.05	Þ6a250/3
112	1.50	1.35	0.05	Þ6a150/3	1.35	0.05	Þ6a250/3
112	3.00	-1.35	0.05	Þ6a150/3	1.35	0.05	Þ6a250/3
112	3.00	1.35	0.05	Þ6a150/3	1.35	0.05	Þ6a250/3
112	4.50	-1.35	0.05	Þ6a150/3	1.35	0.05	Þ6a250/3
112	4.50	-1.35	0.05	Þ6a150/3	1.35	0.05	Þ6a250/3
112	6.00	-1.35	0.05	Þ6a150/3	-1.68	0.06	Þ6a250/3
112	6.00	-1.35	0.05	Þ6a150/3	-1.41	0.05	Þ6a250/3
113	0.00	1.35	0.05	Þ6a150/3	-4.26	0.16	Þ6a250/3
113	0.00	1.35	0.05	Þ6a150/3	-4.15	0.15	Þ6a250/3
113	1.25	1.35	0.05	Þ6a150/3	-1.35	0.05	Þ6a250/3
113	1.25	1.35	0.05	Þ6a150/3	-1.35	0.05	Þ6a250/3
113	2.50	1.35	0.05	Þ6a150/3	1.35	0.05	Þ6a250/3
113	2.50	1.35	0.05	Þ6a150/3	1.35	0.05	Þ6a250/3
113	3.75	1.35	0.05	Þ6a150/3	2.15	0.08	Þ6a250/3
113	3.75	1.35	0.05	Þ6a150/3	2.21	0.08	Þ6a250/3
113	5.00	-1.35	0.05	Þ6a150/3	2.53	0.09	Þ6a250/3
113	5.00	-1.35	0.05	Þ6a150/3	2.57	0.10	Þ6a250/3
114	0.00	-1.35	0.05	Þ6a150/3	2.53	0.09	Þ6a250/3
114	0.00	-1.35	0.05	Þ6a150/3	2.57	0.10	Þ6a250/3
114	1.25	-1.35	0.05	Þ6a150/3	2.02	0.07	Þ6a250/3
114	1.25	-1.35	0.05	Þ6a150/3	2.05	0.08	Þ6a250/3
114	2.50	-1.35	0.05	Þ6a150/3	1.35	0.05	Þ6a250/3
114	2.50	-1.35	0.05	Þ6a150/3	1.35	0.05	Þ6a250/3
114	3.75	-1.35	0.05	Þ6a150/3	-1.60	0.06	Þ6a250/3
114	3.75	-1.35	0.05	Þ6a150/3	-1.59	0.06	Þ6a250/3
114	5.00	-1.35	0.05	Þ6a150/3	-4.80	0.18	Þ6a250/3
114	5.00	-1.35	0.05	Þ6a150/3	-4.77	0.18	Þ6a250/3
115	0.00	-1.35	0.05	Þ6a150/3	-6.79	0.25	Þ6a250/3
115	0.00	1.35	0.05	Þ6a150/3	-6.78	0.25	Þ6a250/3
115	1.25	-1.35	0.05	Þ6a150/3	-3.28	0.12	Þ6a250/3
115	1.25	1.35	0.05	Þ6a150/3	-3.26	0.12	Þ6a250/3
115	2.50	-1.35	0.05	Þ6a150/3	-1.35	0.05	Þ6a250/3

115	2.50	1.35	0.05	Þ6a150/3	-1.35	0.05	Þ6a250/3
115	3.75	-1.35	0.05	Þ6a150/3	1.35	0.05	Þ6a250/3
115	3.75	1.35	0.05	Þ6a150/3	1.35	0.05	Þ6a250/3
115	5.00	1.35	0.05	Þ6a150/3	1.68	-0.06	Þ6a250/3
115	5.00	1.35	0.05	Þ6a150/3	1.74	0.06	Þ6a250/3
116	0.00	1.35	0.05	Þ6a150/3	1.68	0.06	Þ6a250/3
116	0.00	1.35	0.05	Þ6a150/3	1.74	0.06	Þ6a250/3
116	1.25	-1.35	0.05	Þ6a150/3	1.58	0.06	Þ6a250/3
116	1.25	1.35	0.05	Þ6a150/3	1.65	0.06	Þ6a250/3
116	2.50	-1.35	0.05	Þ6a150/3	1.35	0.05	Þ6a250/3
116	2.50	1.35	0.05	Þ6a150/3	1.35	0.05	Þ6a250/3
116	3.75	-1.35	0.05	Þ6a150/3	-1.35	0.05	Þ6a250/3
116	3.75	1.35	0.05	Þ6a150/3	-1.35	0.05	Þ6a250/3
116	5.00	-1.35	0.05	Þ6a150/3	-4.00	0.15	Þ6a250/3
116	5.00	1.35	0.05	Þ6a150/3	-3.89	0.14	Þ6a250/3
117	0.00	1.35	0.05	Þ6a150/3	1.35	0.05	Þ6a250/3
117	0.00	1.35	0.05	Þ6a150/3	1.35	0.05	Þ6a250/3
117	1.50	1.35	0.05	Þ6a150/3	1.35	0.05	Þ6a250/3
117	1.50	1.35	0.05	Þ6a150/3	1.43	0.05	Þ6a250/3
117	3.00	1.35	0.05	Þ6a150/3	1.35	0.05	Þ6a250/3
117	3.00	1.35	0.05	Þ6a150/3	1.35	0.05	Þ6a250/3
117	4.50	-1.35	0.05	Þ6a150/3	-1.35	0.05	Þ6a250/3
117	4.50	-1.35	0.05	Þ6a150/3	-1.35	0.05	Þ6a250/3
117	6.00	-1.35	0.05	Þ6a150/3	-3.06	0.11	Þ6a250/3
117	6.00	-1.35	0.05	Þ6a150/3	-2.80	0.10	Þ6a250/3
118	0.00	1.35	0.05	Þ6a150/3	-4.40	0.16	Þ6a250/3
118	0.00	1.35	0.05	Þ6a150/3	-4.18	0.15	Þ6a250/3
118	2.00	1.35	0.05	Þ6a150/3	-1.35	0.05	Þ6a250/3
118	2.00	1.35	0.05	Þ6a150/3	1.35	0.05	Þ6a250/3
118	4.00	-1.35	0.05	Þ6a150/3	2.10	0.08	Þ6a250/3
118	4.00	-1.35	0.05	Þ6a150/3	2.11	0.08	Þ6a250/3
118	6.00	-1.35	0.05	Þ6a150/3	1.86	0.07	Þ6a250/3
118	6.00	-1.35	0.05	Þ6a150/3	1.97	0.07	Þ6a250/3
118	8.00	-1.35	0.05	Þ6a150/3	-1.35	0.05	Þ6a250/3
118	8.00	-1.35	0.05	Þ6a150/3	-1.35	0.05	Þ6a250/3
119	0.00	1.35	0.05	Þ6a150/3	2.29	0.08	Þ6a250/3
119	0.00	1.35	0.05	Þ6a150/3	2.60	0.10	Þ6a250/3
119	1.50	1.35	0.05	Þ6a150/3	-1.35	0.05	Þ6a250/3
119	1.50	1.35	0.05	Þ6a150/3	-1.35	0.05	Þ6a250/3
119	3.00	1.35	0.05	Þ6a150/3	-5.29	0.20	Þ6a250/3
119	3.00	1.35	0.05	Þ6a150/3	-5.24	0.19	Þ6a250/3
119	4.50	-1.35	0.05	Þ6a150/3	-11.42	0.42	Þ6a250/3
119	4.50	1.35	0.05	Þ6a150/3	-11.19	0.41	Þ6a250/3
119	6.00	-1.35	0.05	Þ6a150/3	-19.32	0.72	Þ6a250/3
119	6.00	-1.35	0.05	Þ6a150/3	-18.88	0.70	Þ6a250/3
120	0.00	1.80	0.05	Þ6a150/3	-49.10	1.36	Þ8a250/3
120	0.00	1.80	0.05	Þ6a150/3	-48.57	1.35	Þ8a250/3
120	1.25	1.80	0.05	Þ6a150/3	-13.08	0.36	Þ8a300/3
120	1.25	1.80	0.05	Þ6a150/3	-12.75	0.35	Þ8a300/3
120	2.50	1.80	0.05	Þ6a150/3	13.64	0.38	Þ8a300/3
120	2.50	1.80	0.05	Þ6a150/3	13.90	0.39	Þ8a300/3
120	3.75	-1.80	0.05	Þ6a150/3	39.03	1.08	Þ8a300/3
120	3.75	-1.80	0.05	Þ6a150/3	39.24	1.09	Þ8a300/3
120	5.00	-1.80	0.05	Þ6a150/3	63.67	1.77	Þ8a300/3
120	5.00	-1.80	0.05	Þ6a150/3	63.80	1.77	Þ8a300/3
121	0.00	-1.80	0.05	Þ6a150/3	63.69	1.77	Þ8a300/3
121	0.00	-1.80	0.05	Þ6a150/3	63.82	1.77	Þ8a300/3
121	1.25	-1.80	0.05	Þ6a150/3	41.75	1.16	Þ8a300/3
121	1.25	-1.80	0.05	Þ6a150/3	41.78	1.16	Þ8a300/3
121	2.50	-1.80	0.05	Þ6a150/3	18.17	0.50	Þ8a300/3
121	2.50	-1.80	0.05	Þ6a150/3	18.32	0.51	Þ8a300/3
121	3.75	-1.80	0.05	Þ6a150/3	-6.58	0.18	Þ8a300/3
121	3.75	-1.80	0.05	Þ6a150/3	-6.34	0.18	Þ8a300/3
121	5.00	-1.80	0.05	Þ6a150/3	-38.32	1.06	Þ8a290/3
121	5.00	-1.80	0.05	Þ6a150/3	-37.89	1.05	Þ8a290/3
122	0.00	-1.35	0.05	Þ6a150/3	-5.67	0.21	Þ6a250/3
122	0.00	1.35	0.05	Þ6a150/3	-5.63	0.21	Þ6a250/3
122	1.25	-1.35	0.05	Þ6a150/3	-2.33	0.09	Þ6a250/3
122	1.25	1.35	0.05	Þ6a150/3	-2.31	0.09	Þ6a250/3

122	2.50	-1.35	0.05	Þ6a150/3	1.35	0.05	Þ6a250/3
122	2.50	1.35	0.05	Þ6a150/3	1.35	0.05	Þ6a250/3
122	3.75	-1.35	0.05	Þ6a150/3	1.55	0.06	Þ6a250/3
122	3.75	1.35	0.05	Þ6a150/3	1.56	0.06	Þ6a250/3
122	5.00	1.35	0.05	Þ6a150/3	2.17	0.08	Þ6a250/3
122	5.00	1.35	0.05	Þ6a150/3	2.21	0.08	Þ6a250/3
123	0.00	1.35	0.05	Þ6a150/3	2.17	0.08	Þ6a250/3
123	0.00	1.35	0.05	Þ6a150/3	2.21	0.08	Þ6a250/3
123	1.25	-1.35	0.05	Þ6a150/3	1.92	0.07	Þ6a250/3
123	1.25	1.35	0.05	Þ6a150/3	1.97	0.07	Þ6a250/3
123	2.50	-1.35	0.05	Þ6a150/3	1.35	0.05	Þ6a250/3
123	2.50	1.35	0.05	Þ6a150/3	1.35	0.05	Þ6a250/3
123	3.75	-1.35	0.05	Þ6a150/3	-1.35	0.05	Þ6a250/3
123	3.75	1.35	0.05	Þ6a150/3	-1.35	0.05	Þ6a250/3
123	5.00	-1.35	0.05	Þ6a150/3	-4.13	0.15	Þ6a250/3
123	5.00	1.35	0.05	Þ6a150/3	-4.02	0.15	Þ6a250/3
124	0.00	1.35	0.05	Þ6a150/3	-1.35	0.05	Þ6a250/3
124	0.00	1.35	0.05	Þ6a150/3	-1.35	0.05	Þ6a250/3
124	1.50	1.35	0.05	Þ6a150/3	1.35	0.05	Þ6a250/3
124	1.50	1.35	0.05	Þ6a150/3	1.35	0.05	Þ6a250/3
124	3.00	-1.35	0.05	Þ6a150/3	1.35	0.05	Þ6a250/3
124	3.00	1.35	0.05	Þ6a150/3	1.35	0.05	Þ6a250/3
124	4.50	-1.35	0.05	Þ6a150/3	-1.35	0.05	Þ6a250/3
124	4.50	-1.35	0.05	Þ6a150/3	-1.35	0.05	Þ6a250/3
124	6.00	-1.35	0.05	Þ6a150/3	-2.85	0.11	Þ6a250/3
124	6.00	-1.35	0.05	Þ6a150/3	-2.65	0.10	Þ6a250/3
125	0.00	-1.35	0.05	Þ6a150/3	-4.21	0.16	Þ6a250/3
125	0.00	1.35	0.05	Þ6a150/3	-4.03	0.15	Þ6a250/3
125	2.00	-1.35	0.05	Þ6a150/3	1.35	0.05	Þ6a250/3
125	2.00	1.35	0.05	Þ6a150/3	1.35	0.05	Þ6a250/3
125	4.00	1.35	0.05	Þ6a150/3	2.38	0.09	Þ6a250/3
125	4.00	1.35	0.05	Þ6a150/3	2.39	0.09	Þ6a250/3
125	6.00	-1.35	0.05	Þ6a150/3	2.22	0.08	Þ6a250/3
125	6.00	1.35	0.05	Þ6a150/3	2.31	0.09	Þ6a250/3
125	8.00	-1.35	0.05	Þ6a150/3	-1.35	0.05	Þ6a250/3
125	8.00	1.35	0.05	Þ6a150/3	-1.35	0.05	Þ6a250/3
126	0.00	1.35	0.05	Þ6a150/3	2.33	0.09	Þ6a250/3
126	0.00	1.35	0.05	Þ6a150/3	2.57	0.10	Þ6a250/3
126	1.50	1.35	0.05	Þ6a150/3	-1.35	0.05	Þ6a250/3
126	1.50	1.35	0.05	Þ6a150/3	-1.35	0.05	Þ6a250/3
126	3.00	-1.35	0.05	Þ6a150/3	-5.95	0.22	Þ6a250/3
126	3.00	-1.35	0.05	Þ6a150/3	-5.93	0.22	Þ6a250/3
126	4.50	-1.35	0.05	Þ6a150/3	-12.46	0.46	Þ6a250/3
126	4.50	-1.35	0.05	Þ6a150/3	-12.28	0.45	Þ6a250/3
126	6.00	-1.35	0.05	Þ6a150/3	-20.80	0.77	Þ6a250/3
126	6.00	-1.35	0.05	Þ6a150/3	-20.46	0.76	Þ6a250/3
127	0.00	-1.80	0.05	Þ6a150/3	-48.38	1.34	Þ8a250/3
127	0.00	-1.80	0.05	Þ6a150/3	-47.88	1.33	Þ8a250/3
127	1.25	-1.80	0.05	Þ6a150/3	-12.37	0.34	Þ8a300/3
127	1.25	-1.80	0.05	Þ6a150/3	-12.07	0.34	Þ8a300/3
127	2.50	-1.80	0.05	Þ6a150/3	14.52	0.40	Þ8a300/3
127	2.50	1.80	0.05	Þ6a150/3	14.72	0.41	Þ8a300/3
127	3.75	1.80	0.05	Þ6a150/3	40.24	1.12	Þ8a300/3
127	3.75	1.80	0.05	Þ6a150/3	40.36	1.12	Þ8a300/3
127	5.00	1.80	0.05	Þ6a150/3	65.35	1.82	Þ8a300/3
127	5.00	1.80	0.05	Þ6a150/3	65.36	1.82	Þ8a300/3
128	0.00	1.80	0.05	Þ6a150/3	65.34	1.81	Þ8a300/3
128	0.00	1.80	0.05	Þ6a150/3	65.34	1.82	Þ8a300/3
128	1.25	1.80	0.05	Þ6a150/3	43.41	1.21	Þ8a300/3
128	1.25	1.80	0.05	Þ6a150/3	43.51	1.21	Þ8a300/3
128	2.50	1.80	0.05	Þ6a150/3	19.92	0.55	Þ8a300/3
128	2.50	1.80	0.05	Þ6a150/3	20.07	0.56	Þ8a300/3
128	3.75	-1.80	0.05	Þ6a150/3	-4.67	0.13	Þ8a300/3
128	3.75	-1.80	0.05	Þ6a150/3	-4.47	0.12	Þ8a300/3
128	5.00	-1.80	0.05	Þ6a150/3	-35.63	0.99	Þ8a290/3
128	5.00	-1.80	0.05	Þ6a150/3	-35.30	0.98	Þ8a290/3
129	0.00	1.08	0.05	Þ6a150/3	-5.66	0.26	Þ6a200/3
129	0.00	1.08	0.05	Þ6a150/3	-5.22	0.24	Þ6a200/3
129	2.00	1.08	0.05	Þ6a150/3	1.08	0.05	Þ6a200/3

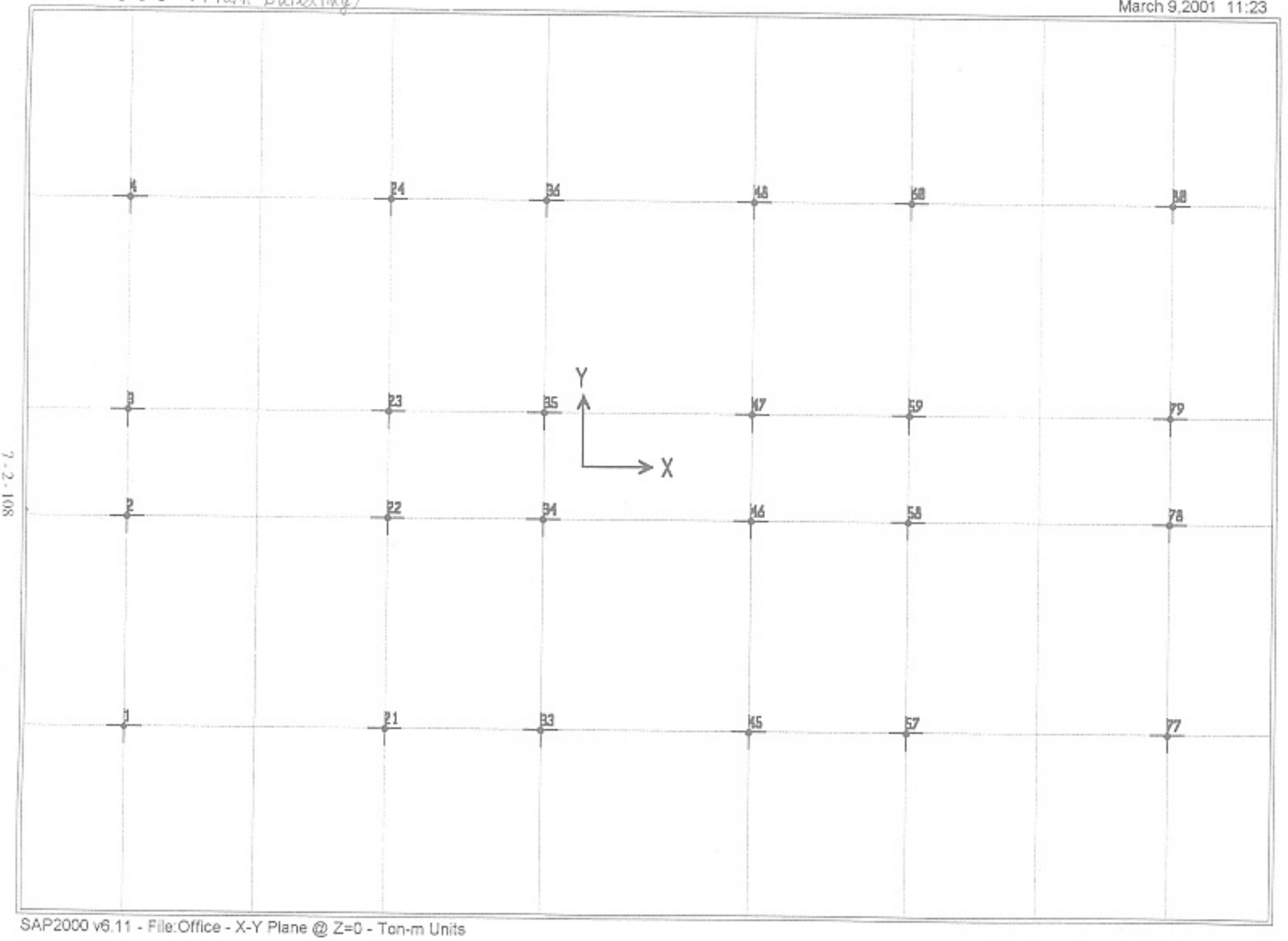
129	2.00	1.08	0.05	Þ6a150/3	1.08	0.05	Þ6a200/3
129	4.00	-1.08	0.05	Þ6a150/3	2.96	0.14	Þ6a200/3
129	4.00	1.08	0.05	Þ6a150/3	2.97	0.14	Þ6a200/3
129	6.00	-1.08	0.05	Þ6a150/3	1.08	0.05	Þ6a200/3
129	6.00	-1.08	0.05	Þ6a150/3	1.08	0.05	Þ6a200/3
129	8.00	-1.08	0.05	Þ6a150/3	-5.98	0.28	Þ6a200/3
129	8.00	-1.08	0.05	Þ6a150/3	-5.51	0.26	Þ6a200/3
130	0.00	-1.08	0.05	Þ6a150/3	-1.80	0.08	Þ6a200/3
130	0.00	1.08	0.05	Þ6a150/3	-1.08	0.05	Þ6a200/3
130	1.00	-1.08	0.05	Þ6a150/3	-1.08	0.05	Þ6a200/3
130	1.00	1.08	0.05	Þ6a150/3	1.08	0.05	Þ6a200/3
130	2.00	-1.08	0.05	Þ6a150/3	1.08	0.05	Þ6a200/3
130	2.00	-1.08	0.05	Þ6a150/3	1.08	0.05	Þ6a200/3
130	3.00	-1.08	0.05	Þ6a150/3	-1.08	0.05	Þ6a200/3
130	3.00	1.08	0.05	Þ6a150/3	1.08	0.05	Þ6a200/3
130	4.00	-1.08	0.05	Þ6a150/3	-2.08	0.10	Þ6a200/3
130	4.00	1.08	0.05	Þ6a150/3	-1.30	0.06	Þ6a200/3
131	0.00	-1.08	0.05	Þ6a150/3	-5.48	0.25	Þ6a200/3
131	0.00	1.08	0.05	Þ6a150/3	-5.00	0.23	Þ6a200/3
131	2.00	-1.08	0.05	Þ6a150/3	1.08	0.05	Þ6a200/3
131	2.00	1.08	0.05	Þ6a150/3	1.10	0.05	Þ6a200/3
131	4.00	-1.08	0.05	Þ6a150/3	2.94	0.14	Þ6a200/3
131	4.00	1.08	0.05	Þ6a150/3	2.94	0.14	Þ6a200/3
131	6.00	-1.08	0.05	Þ6a150/3	1.08	0.05	Þ6a200/3
131	6.00	1.08	0.05	Þ6a150/3	1.08	0.05	Þ6a200/3
131	8.00	-1.08	0.05	Þ6a150/3	-6.24	0.29	Þ6a200/3
131	8.00	1.08	0.05	Þ6a150/3	-5.76	0.27	Þ6a200/3
135	0.00	1.08	0.05	Þ6a150/3	-7.32	0.34	Þ6a200/3
135	0.00	1.08	0.05	Þ6a150/3	-6.78	0.31	Þ6a200/3
135	2.00	1.08	0.05	Þ6a150/3	1.08	0.05	Þ6a200/3
135	2.00	1.08	0.05	Þ6a150/3	1.22	0.06	Þ6a200/3
135	4.00	-1.08	0.05	Þ6a150/3	3.72	0.17	Þ6a200/3
135	4.00	-1.08	0.05	Þ6a150/3	3.75	0.17	Þ6a200/3
135	6.00	-1.08	0.05	Þ6a150/3	1.08	0.05	Þ6a200/3
135	6.00	-1.08	0.05	Þ6a150/3	1.08	0.05	Þ6a200/3
135	8.00	-1.08	0.05	Þ6a150/3	-7.73	0.36	Þ6a200/3
135	8.00	-1.08	0.05	Þ6a150/3	-7.12	0.33	Þ6a200/3
136	0.00	-1.08	0.05	Þ6a150/3	-2.35	0.11	Þ6a200/3
136	0.00	-1.08	0.05	Þ6a150/3	-1.35	0.06	Þ6a200/3
136	1.00	-1.08	0.05	Þ6a150/3	-1.08	0.05	Þ6a200/3
136	1.00	-1.08	0.05	Þ6a150/3	1.08	0.05	Þ6a200/3
136	2.00	-1.08	0.05	Þ6a150/3	1.08	0.05	Þ6a200/3
136	2.00	1.08	0.05	Þ6a150/3	1.08	0.05	Þ6a200/3
136	3.00	1.08	0.05	Þ6a150/3	-1.08	0.05	Þ6a200/3
136	3.00	1.08	0.05	Þ6a150/3	1.08	0.05	Þ6a200/3
136	4.00	1.08	0.05	Þ6a150/3	-2.39	0.11	Þ6a200/3
136	4.00	1.08	0.05	Þ6a150/3	-1.39	0.06	Þ6a200/3
137	0.00	-1.08	0.05	Þ6a150/3	-7.01	0.32	Þ6a200/3
137	0.00	1.08	0.05	Þ6a150/3	-6.40	0.30	Þ6a200/3
137	2.00	-1.08	0.05	Þ6a150/3	1.09	0.05	Þ6a200/3
137	2.00	1.08	0.05	Þ6a150/3	1.39	0.06	Þ6a200/3
137	4.00	1.08	0.05	Þ6a150/3	3.68	0.17	Þ6a200/3
137	4.00	1.08	0.05	Þ6a150/3	3.69	0.17	Þ6a200/3
137	6.00	-1.08	0.05	Þ6a150/3	1.08	0.05	Þ6a200/3
137	6.00	1.08	0.05	Þ6a150/3	1.08	0.05	Þ6a200/3
137	8.00	-1.08	0.05	Þ6a150/3	-8.17	0.38	Þ6a200/3
137	8.00	1.08	0.05	Þ6a150/3	-7.57	0.35	Þ6a200/3
138	0.00	-1.08	0.05	Þ6a150/3	-6.84	0.32	Þ6a200/3
138	0.00	1.08	0.05	Þ6a150/3	-6.28	0.29	Þ6a200/3
138	2.00	-1.08	0.05	Þ6a150/3	1.08	0.05	Þ6a200/3
138	2.00	1.08	0.05	Þ6a150/3	1.24	0.06	Þ6a200/3
138	4.00	-1.08	0.05	Þ6a150/3	3.54	0.16	Þ6a200/3
138	4.00	-1.08	0.05	Þ6a150/3	3.56	0.16	Þ6a200/3
138	6.00	-1.08	0.05	Þ6a150/3	1.08	0.05	Þ6a200/3
138	6.00	1.08	0.05	Þ6a150/3	1.08	0.05	Þ6a200/3
138	8.00	-1.08	0.05	Þ6a150/3	-7.50	0.35	Þ6a200/3
138	8.00	1.08	0.05	Þ6a150/3	-6.90	0.32	Þ6a200/3
139	0.00	-1.08	0.05	Þ6a150/3	-2.14	0.10	Þ6a200/3
139	0.00	-1.08	0.05	Þ6a150/3	-1.14	0.05	Þ6a200/3

139	1.00	-1.08	0.05	Þ6a150/3	-1.08	0.05	Þ6a200/3
139	1.00	-1.08	0.05	Þ6a150/3	1.08	0.05	Þ6a200/3
139	2.00	-1.08	0.05	Þ6a150/3	1.08	0.05	Þ6a200/3
139	2.00	1.08	0.05	Þ6a150/3	1.08	0.05	Þ6a200/3
139	3.00	1.08	0.05	Þ6a150/3	-1.08	0.05	Þ6a200/3
139	3.00	1.08	0.05	Þ6a150/3	1.08	0.05	Þ6a200/3
139	4.00	1.08	0.05	Þ6a150/3	-2.33	0.11	Þ6a200/3
139	4.00	1.08	0.05	Þ6a150/3	-1.34	0.06	Þ6a200/3
140	0.00	-1.08	0.05	Þ6a150/3	-6.81	0.32	Þ6a200/3
140	0.00	-1.08	0.05	Þ6a150/3	-6.19	0.29	Þ6a200/3
140	2.00	-1.08	0.05	Þ6a150/3	1.08	0.05	Þ6a200/3
140	2.00	1.08	0.05	Þ6a150/3	1.26	0.06	Þ6a200/3
140	4.00	1.08	0.05	Þ6a150/3	3.48	0.16	Þ6a200/3
140	4.00	1.08	0.05	Þ6a150/3	3.49	0.16	Þ6a200/3
140	6.00	1.08	0.05	Þ6a150/3	1.08	0.05	Þ6a200/3
140	6.00	1.08	0.05	Þ6a150/3	1.08	0.05	Þ6a200/3
140	8.00	1.08	0.05	Þ6a150/3	-7.68	0.36	Þ6a200/3
140	8.00	1.08	0.05	Þ6a150/3	-7.07	0.33	Þ6a200/3
141	0.00	-1.08	0.05	Þ6a150/3	-6.81	0.32	Þ6a200/3
141	0.00	1.08	0.05	Þ6a150/3	-6.27	0.29	Þ6a200/3
141	2.00	-1.08	0.05	Þ6a150/3	1.08	0.05	Þ6a200/3
141	2.00	1.08	0.05	Þ6a150/3	1.15	0.05	Þ6a200/3
141	4.00	-1.08	0.05	Þ6a150/3	3.47	0.16	Þ6a200/3
141	4.00	-1.08	0.05	Þ6a150/3	3.50	0.16	Þ6a200/3
141	6.00	-1.08	0.05	Þ6a150/3	1.08	0.05	Þ6a200/3
141	6.00	1.08	0.05	Þ6a150/3	1.08	0.05	Þ6a200/3
141	8.00	-1.08	0.05	Þ6a150/3	-7.17	0.33	Þ6a200/3
141	8.00	1.08	0.05	Þ6a150/3	-6.58	0.30	Þ6a200/3
142	0.00	-1.08	0.05	Þ6a150/3	-1.66	0.08	Þ6a200/3
142	0.00	-1.08	0.05	Þ6a150/3	-1.08	0.05	Þ6a200/3
142	1.00	-1.08	0.05	Þ6a150/3	1.08	0.05	Þ6a200/3
142	1.00	-1.08	0.05	Þ6a150/3	1.08	0.05	Þ6a200/3
142	2.00	-1.08	0.05	Þ6a150/3	1.08	0.05	Þ6a200/3
142	2.00	-1.08	0.05	Þ6a150/3	1.08	0.05	Þ6a200/3
142	3.00	1.08	0.05	Þ6a150/3	-1.08	0.05	Þ6a200/3
142	3.00	1.08	0.05	Þ6a150/3	-1.08	0.05	Þ6a200/3
142	4.00	1.08	0.05	Þ6a150/3	-3.03	0.14	Þ6a200/3
142	4.00	1.08	0.05	Þ6a150/3	-2.07	0.10	Þ6a200/3
143	0.00	-1.08	0.05	Þ6a150/3	-6.72	0.31	Þ6a200/3
143	0.00	-1.08	0.05	Þ6a150/3	-6.11	0.28	Þ6a200/3
143	2.00	-1.08	0.05	Þ6a150/3	1.08	0.05	Þ6a200/3
143	2.00	1.08	0.05	Þ6a150/3	1.29	0.06	Þ6a200/3
143	4.00	1.08	0.05	Þ6a150/3	3.58	0.17	Þ6a200/3
143	4.00	1.08	0.05	Þ6a150/3	3.59	0.17	Þ6a200/3
143	6.00	1.08	0.05	Þ6a150/3	1.08	0.05	Þ6a200/3
143	6.00	1.08	0.05	Þ6a150/3	1.10	0.05	Þ6a200/3
143	8.00	1.08	0.05	Þ6a150/3	-7.09	0.33	Þ6a200/3
143	8.00	1.08	0.05	Þ6a150/3	-6.50	0.30	Þ6a200/3
144	0.00	-1.08	0.05	Þ6a150/3	-7.50	0.35	Þ6a200/3
144	0.00	1.08	0.05	Þ6a150/3	-6.97	0.32	Þ6a200/3
144	2.00	-1.08	0.05	Þ6a150/3	1.08	0.05	Þ6a200/3
144	2.00	1.08	0.05	Þ6a150/3	1.19	0.06	Þ6a200/3
144	4.00	-1.08	0.05	Þ6a150/3	3.84	0.18	Þ6a200/3
144	4.00	-1.08	0.05	Þ6a150/3	3.87	0.18	Þ6a200/3
144	6.00	-1.08	0.05	Þ6a150/3	1.08	0.05	Þ6a200/3
144	6.00	1.08	0.05	Þ6a150/3	1.32	0.06	Þ6a200/3
144	8.00	-1.08	0.05	Þ6a150/3	-7.30	0.34	Þ6a200/3
144	8.00	1.08	0.05	Þ6a150/3	-6.71	0.31	Þ6a200/3
145	0.00	-1.08	0.05	Þ6a150/3	-1.08	0.05	Þ6a200/3
145	0.00	-1.08	0.05	Þ6a150/3	1.08	0.05	Þ6a200/3
145	1.00	-1.08	0.05	Þ6a150/3	-1.08	0.05	Þ6a200/3
145	1.00	-1.08	0.05	Þ6a150/3	1.08	0.05	Þ6a200/3
145	2.00	1.08	0.05	Þ6a150/3	-1.51	0.07	Þ6a200/3
145	2.00	1.08	0.05	Þ6a150/3	-1.49	0.07	Þ6a200/3
145	3.00	1.08	0.05	Þ6a150/3	-4.54	0.21	Þ6a200/3
145	3.00	1.08	0.05	Þ6a150/3	-4.00	0.19	Þ6a200/3
145	4.00	1.08	0.05	Þ6a150/3	-9.12	0.42	Þ6a200/3
145	4.00	1.08	0.05	Þ6a150/3	-8.00	0.37	Þ6a200/3
146	0.00	-1.08	0.05	Þ6a150/3	-35.92	1.66	Þ6a160/3

146	0.00	-1.08	0.05	Þ6a150/3	-34.99	1.62	Þ6a160/3
146	2.00	-1.08	0.05	Þ6a150/3	6.15	0.28	Þ6a200/3
146	2.00	-1.08	0.05	Þ6a150/3	6.48	-0.30	Þ6a200/3
146	4.00	-1.08	0.05	Þ6a150/3	20.14	0.93	Þ6a200/3
146	4.00	1.08	0.05	Þ6a150/3	20.15	0.93	Þ6a200/3
146	6.00	1.08	0.05	Þ6a150/3	6.84	0.32	Þ6a200/3
146	6.00	1.08	0.05	Þ6a150/3	7.15	0.33	Þ6a200/3
146	8.00	1.08	0.05	Þ6a150/3	-34.01	1.57	Þ6a170/3
146	8.00	1.08	0.05	Þ6a150/3	-33.14	1.53	Þ6a160/3
149	0.00	-1.08	0.05	Þ6a150/3	-20.14	0.93	Þ6a150/3
149	0.00	-1.08	0.05	Þ6a150/3	-19.93	0.92	Þ6a150/3
149	2.00	-1.08	0.05	Þ6a150/3	20.25	0.94	Þ6a200/3
149	2.00	-1.08	0.05	Þ6a150/3	20.36	0.94	Þ6a200/3
149	4.00	-1.08	0.05	Þ6a150/3	37.08	1.72	Þ6a200/3
149	4.00	-1.08	0.05	Þ6a150/3	37.08	1.72	Þ6a200/3
149	6.00	1.08	0.05	Þ6a150/3	20.72	0.96	Þ6a200/3
149	6.00	1.08	0.05	Þ6a150/3	20.82	0.96	Þ6a200/3
149	8.00	1.08	0.05	Þ6a150/3	-19.22	0.89	Þ6a160/3
149	8.00	1.08	0.05	Þ6a150/3	-19.03	0.88	Þ6a160/3
150	0.00	-1.08	0.05	Þ6a150/3	-5.74	0.27	Þ6a200/3
150	0.00	1.08	0.05	Þ6a150/3	-5.35	0.25	Þ6a200/3
150	2.00	-1.08	0.05	Þ6a150/3	1.08	0.05	Þ6a200/3
150	2.00	-1.08	0.05	Þ6a150/3	1.08	0.05	Þ6a200/3
150	4.00	-1.08	0.05	Þ6a150/3	3.07	0.14	Þ6a200/3
150	4.00	-1.08	0.05	Þ6a150/3	3.08	0.14	Þ6a200/3
150	6.00	-1.08	0.05	Þ6a150/3	1.08	0.05	Þ6a200/3
150	6.00	-1.08	0.05	Þ6a150/3	1.08	0.05	Þ6a200/3
150	8.00	-1.08	0.05	Þ6a150/3	-5.62	0.26	Þ6a200/3
150	8.00	1.08	0.05	Þ6a150/3	-5.21	0.24	Þ6a200/3
151	0.00	-1.08	0.05	Þ6a150/3	-1.08	0.05	Þ6a200/3
151	0.00	-1.08	0.05	Þ6a150/3	1.08	0.05	Þ6a200/3
151	1.00	-1.08	0.05	Þ6a150/3	-1.08	0.05	Þ6a200/3
151	1.00	-1.08	0.05	Þ6a150/3	-1.08	0.05	Þ6a200/3
151	2.00	-1.08	0.05	Þ6a150/3	-1.71	0.08	Þ6a200/3
151	2.00	1.08	0.05	Þ6a150/3	-1.70	0.08	Þ6a200/3
151	3.00	1.08	0.05	Þ6a150/3	-4.41	0.20	Þ6a200/3
151	3.00	1.08	0.05	Þ6a150/3	-4.03	0.19	Þ6a200/3
151	4.00	1.08	0.05	Þ6a150/3	-8.31	0.38	Þ6a200/3
151	4.00	1.08	0.05	Þ6a150/3	-7.52	0.35	Þ6a200/3
152	0.00	-1.08	0.05	Þ6a150/3	-29.77	1.38	Þ6a200/3
152	0.00	1.08	0.05	Þ6a150/3	-29.17	1.35	Þ6a200/3
152	2.00	1.08	0.05	Þ6a150/3	5.59	0.26	Þ6a200/3
152	2.00	1.08	0.05	Þ6a150/3	5.82	0.27	Þ6a200/3
152	4.00	1.08	0.05	Þ6a150/3	17.53	0.81	Þ6a200/3
152	4.00	1.08	0.05	Þ6a150/3	17.55	0.81	Þ6a200/3
152	6.00	1.08	0.05	Þ6a150/3	6.31	0.29	Þ6a200/3
152	6.00	1.08	0.05	Þ6a150/3	6.54	0.30	Þ6a200/3
152	8.00	1.08	0.05	Þ6a150/3	-27.91	1.29	Þ6a200/3
152	8.00	1.08	0.05	Þ6a150/3	-27.34	1.27	Þ6a200/3

SAP2000 (Main Building)

March 9,2001 11:23



SAP2000 v6.11 - File:Office - X-Y Plane @ Z=0 - Ton-m Units

L O A D C O M B I N A T I O N M U L T I P L I E R S

COMBO	TYPE	CASE	FACTOR	TYPE	TITLE
COMB3	ENVE				COMB3
		COMB1	1.0000	COMBO	
		COMB2	1.0000	COMBO	

J O I N T R E A C T I O N S

JOINT	LOAD	F1	F2	F3	M1	M2	M3
1	COMB3 MAX	2.6539	2.1183	53.8772	1.2493	5.3063	-2.601E-03
1	COMB3 MIN	1.0648	-0.3098	53.4842	-4.2775	2.2994	-0.0402
2	COMB3 MAX	3.7713	-1.0693	72.8000	6.6622	7.5346	-0.0229
2	COMB3 MIN	1.6549	-2.5030	71.9271	1.9849	3.9184	-0.0245
3	COMB3 MAX	3.9386	1.4297	78.9004	1.7932	7.8779	-0.0233
3	COMB3 MIN	1.8798	-2.633E-03	77.5005	-2.8794	4.4371	-0.0518
4	COMB3 MAX	2.8286	-2.2511	58.7479	9.5230	5.6542	-0.0227
4	COMB3 MIN	1.4312	-4.3585	57.8458	4.3486	3.2629	-0.0264
21	COMB3 MAX	-1.3910	2.8244	82.5845	2.0938	-2.7497	8.492E-03
21	COMB3 MIN	-2.1040	-0.7559	81.9625	-5.6217	-4.9271	-0.0135
22	COMB3 MAX	-2.0210	-1.5987	110.5340	9.2554	-3.9992	-0.0145
22	COMB3 MIN	-2.7580	-3.4969	109.3370	3.0649	-6.2557	-0.0177
23	COMB3 MAX	-2.0465	2.0940	122.6610	2.0557	-4.0409	-0.0126
23	COMB3 MIN	-2.7250	0.1992	120.8511	-4.1231	-6.1171	-0.0355
24	COMB3 MAX	-1.4598	-3.2943	91.9641	13.5886	-2.8883	-0.0224
24	COMB3 MIN	-1.9427	-6.3571	90.8279	6.4505	-4.3712	-0.0253
33	COMB3 MAX	0.6111	2.6376	63.9790	1.9942	1.2253	8.490E-03
33	COMB3 MIN	-0.0927	-0.6184	62.9337	-5.2374	-0.9318	3.228E-03

(Main Building)

34	COMB3 MAX	0.8155	-1.6818	81.4400	9.2288	1.6329	9.356E-04
34	COMB3 MIN	0.0823	-3.5124	79.6847	3.2443	-0.6129	-0.0196
35	COMB3 MAX	0.7290	2.1327	89.9824	1.7909	1.4686	1.951E-03
35	COMB3 MIN	0.0639	0.3054	88.7478	-4.1826	-0.5740	-0.0406
36	COMB3 MAX	0.5283	-3.1599	70.0795	12.9252	1.0569	0.0133
36	COMB3 MIN	0.0506	-5.9623	69.4428	6.2013	-0.4108	-0.0181
45	COMB3 MAX	-0.5996	2.6173	63.4240	1.9276	-1.1888	7.233E-03
45	COMB3 MIN	-1.3044	-0.6073	62.8265	-5.1909	-3.3472	5.428E-03
46	COMB3 MAX	-0.7646	-1.6662	81.5392	9.0771	-1.5178	2.825E-03
46	COMB3 MIN	-1.4972	-3.4570	80.3028	3.2217	-3.7614	-0.0218
47	COMB3 MAX	-0.5309	1.6563	82.8102	2.5948	-1.0480	5.142E-03
47	COMB3 MIN	-1.2064	-0.1291	80.7530	-3.2459	-3.1032	-0.0423
48	COMB3 MAX	-0.3410	-2.5558	63.7605	11.6430	-0.6827	-5.617E-03
48	COMB3 MIN	-0.8267	-5.3256	62.4700	5.0335	-2.1605	-0.0369
57	COMB3 MAX	1.4133	2.7282	83.3332	1.6359	2.8077	0.0167
57	COMB3 MIN	0.7065	-0.6382	82.2868	-5.3596	0.6438	-0.0154
58	COMB3 MAX	1.8124	-1.4949	108.9676	8.3617	3.5979	8.533E-03
58	COMB3 MIN	1.0772	-3.1576	107.0540	2.9402	1.3473	-0.0318
59	COMB3 MAX	2.9082	0.9638	177.7482	5.8738	5.7408	0.0307
59	COMB3 MIN	0.9805	-1.3206	176.4674	-1.8305	-0.4492	-0.1127
60	COMB3 MAX	1.3434	-2.2503	149.2216	13.4487	2.6159	0.0812
60	COMB3 MIN	-0.0377	-5.6534	148.3710	4.8834	-1.8256	-0.0476
77	COMB3 MAX	-2.6525	1.9085	54.5213	0.9532	-5.2901	0.0407
77	COMB3 MIN	-4.0341	-0.2385	53.6680	-3.6065	-8.0891	0.0179
78	COMB3 MAX	-3.3438	-1.0333	72.6103	5.7993	-6.6743	0.0558
78	COMB3 MIN	-5.1091	-2.1422	71.1728	2.1828	-9.9129	9.012E-03
79	COMB3 MAX	-5.2952	-0.2553	131.7061	5.8877	-10.8844	0.1086
79	COMB3 MIN	-8.1129	-1.7734	131.4490	0.7596	-17.7854	-0.0740
80	COMB3 MAX	-2.9076	-0.7999	111.5180	7.8383	-6.2077	0.0456
80	COMB3 MIN	-4.8408	-2.9847	111.4035	2.2269	-11.0406	-0.1179