

ТИПОВЫЕ СТРОИТЕЛЬНЫЕ КОНСТРУКЦИИ, ИЗДЕЛИЯ И УЗЛЫ

СЕРИЯ 1.020-1/87

КОНСТРУКЦИИ КАРКАСА МЕЖВИДОВОГО ПРИМЕНЕНИЯ
ДЛЯ МНОГОЭТАЖНЫХ ОБЩЕСТВЕННЫХ ЗДАНИЙ, ПРОИЗВОДСТВЕННЫХ
И ВСПОМОГАТЕЛЬНЫХ ЗДАНИЙ ПРОМЫШЛЕННЫХ ПРЕДПРИЯТИЙ

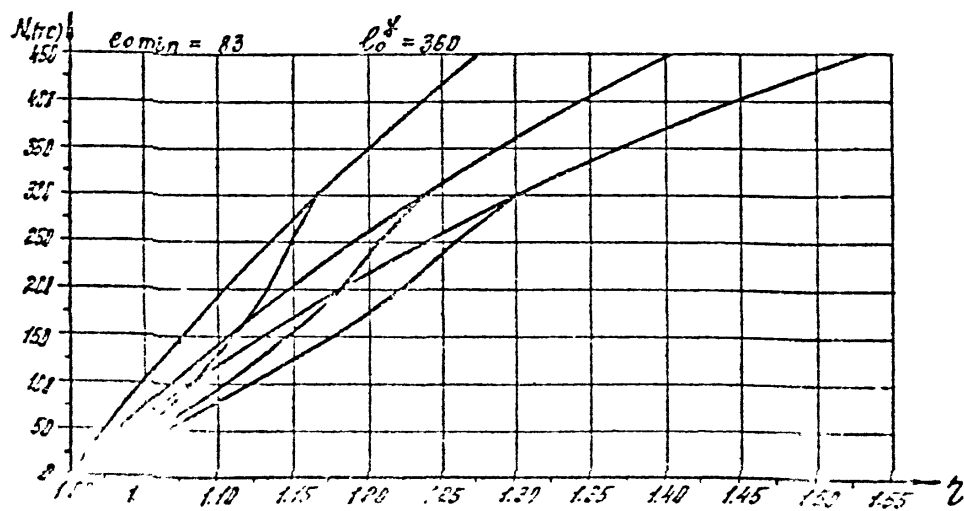
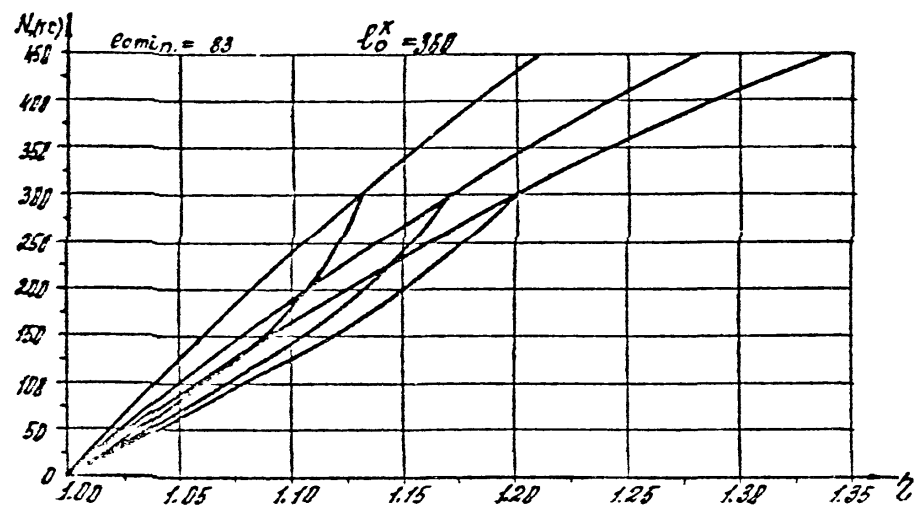
ВЫПУСК 0-6

ГРАФИКИ НЕСУЩИХ СПОСОБНОСТЕЙ КОЛОНН:
ДЛЯ ЗДАНИЙ С ВЫСОТАМИ ЭТАЖЕЙ
4,8; 6,0 И 7,2 М

ЧАСТЬ 2

(СТР. 101...200)

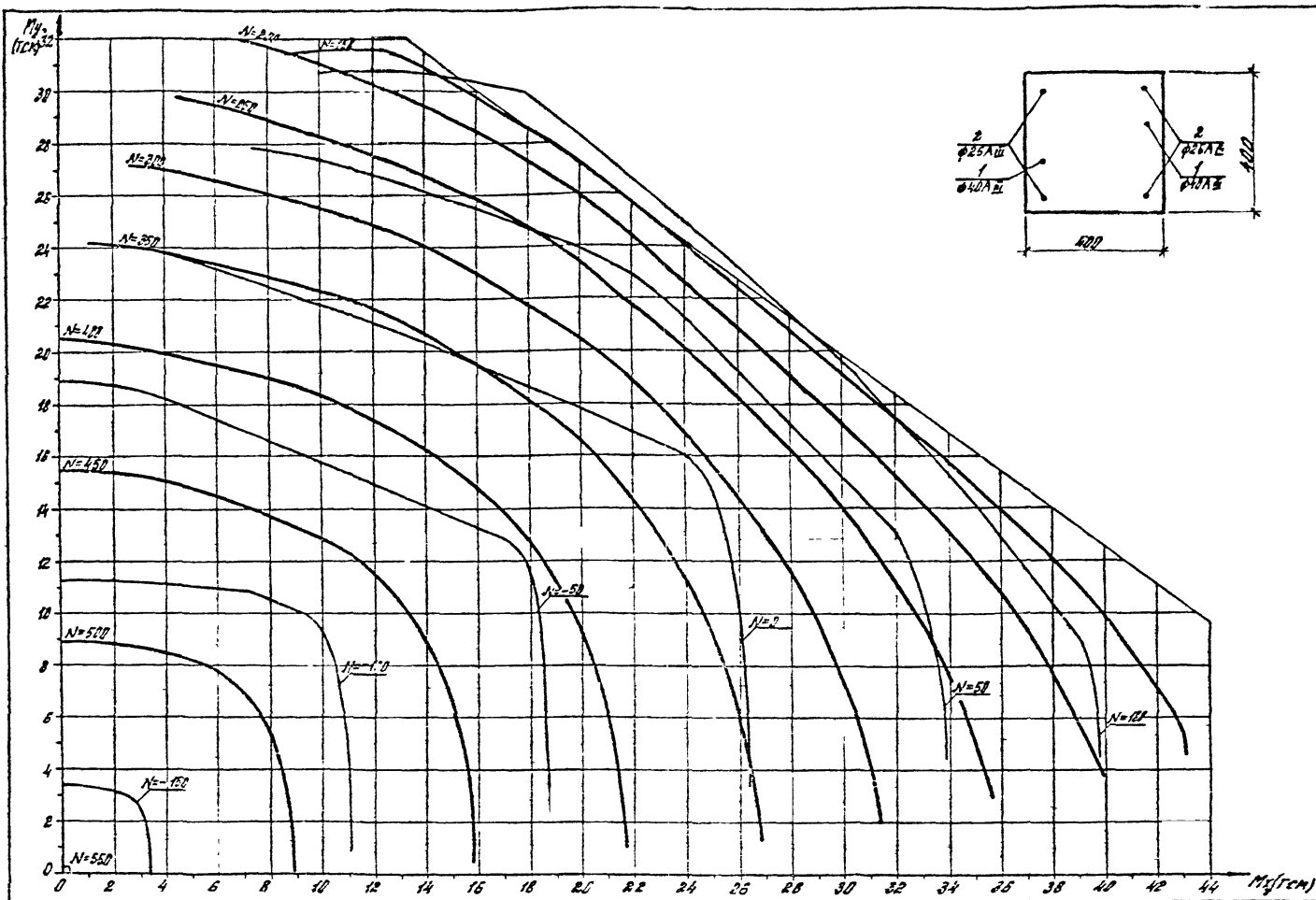
Рис. 32829 и 102



Rx. 3282.9 1.103

1.020-1/87. 0-6 - 3 пз

дир
98

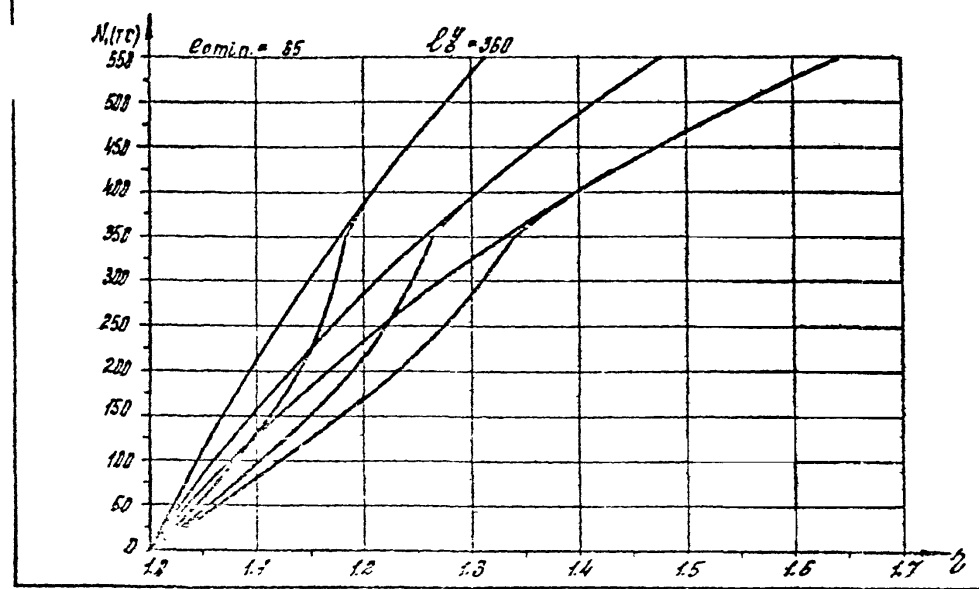
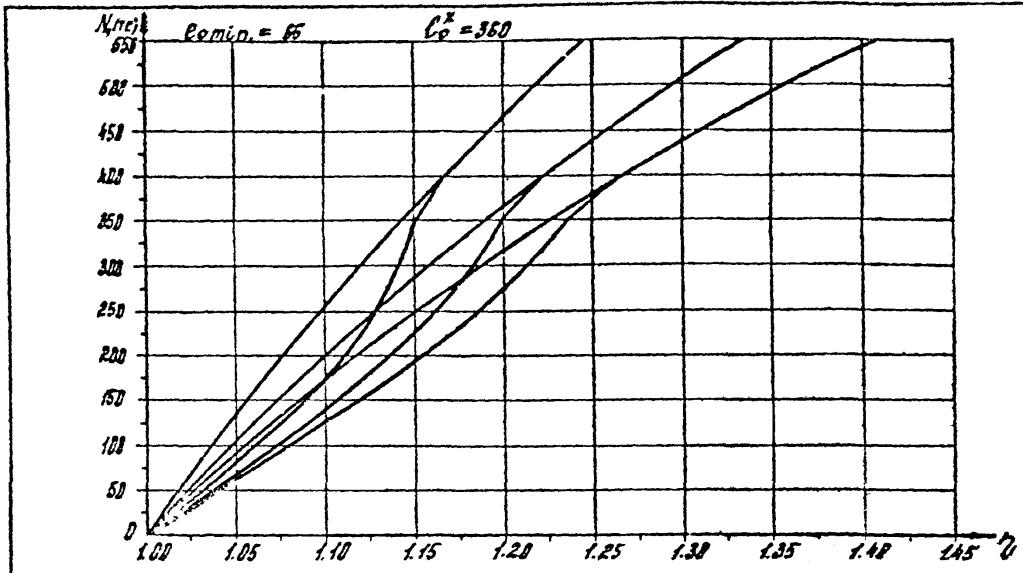


класс бетона В40 ($R_b = 24.5 \cdot 10^6 \text{ Н/м}^2$ при $\gamma_{bt} = 1.10$)

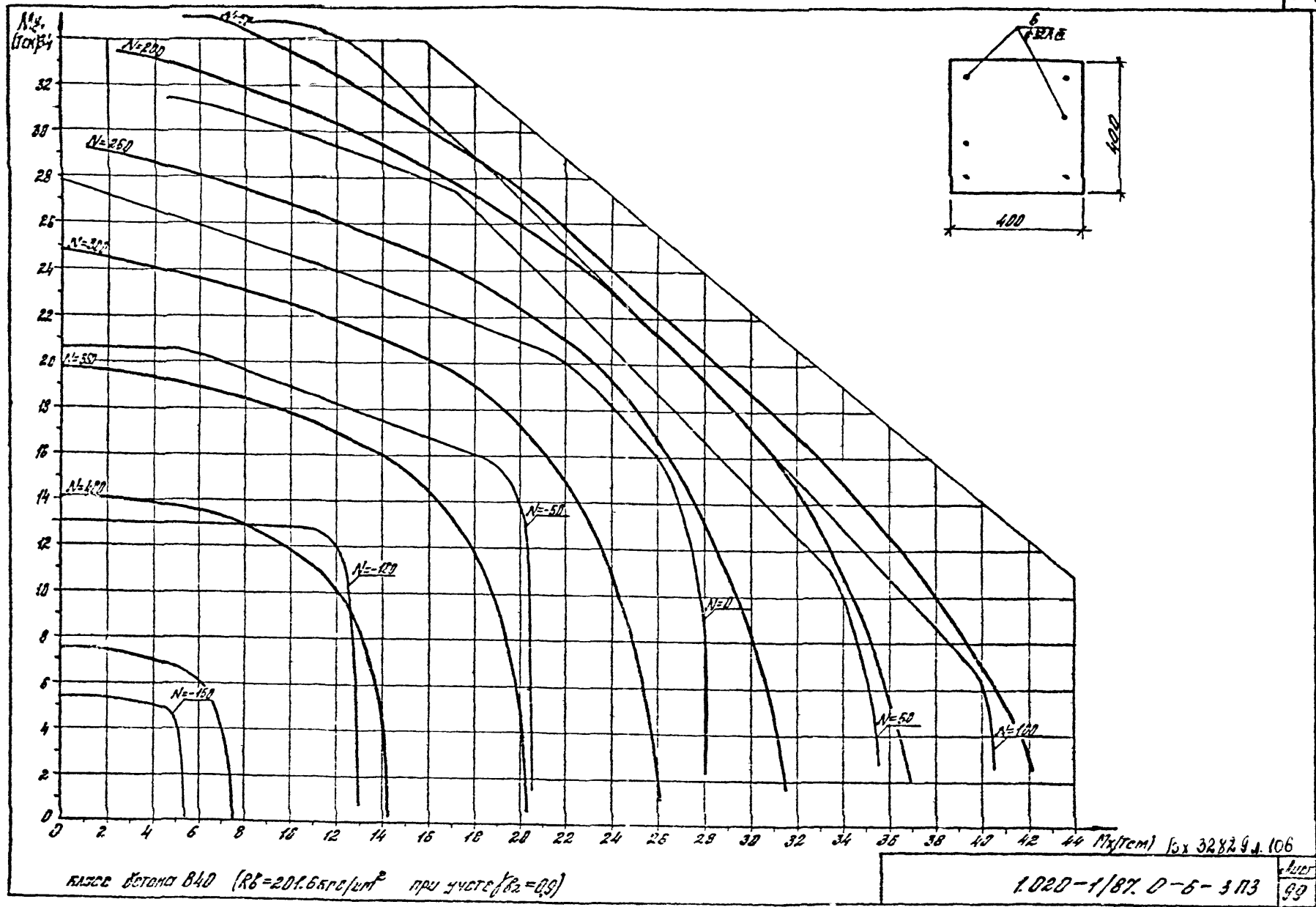
1020-1/87. 0-6-3 п3

Лх. 32829 А.104

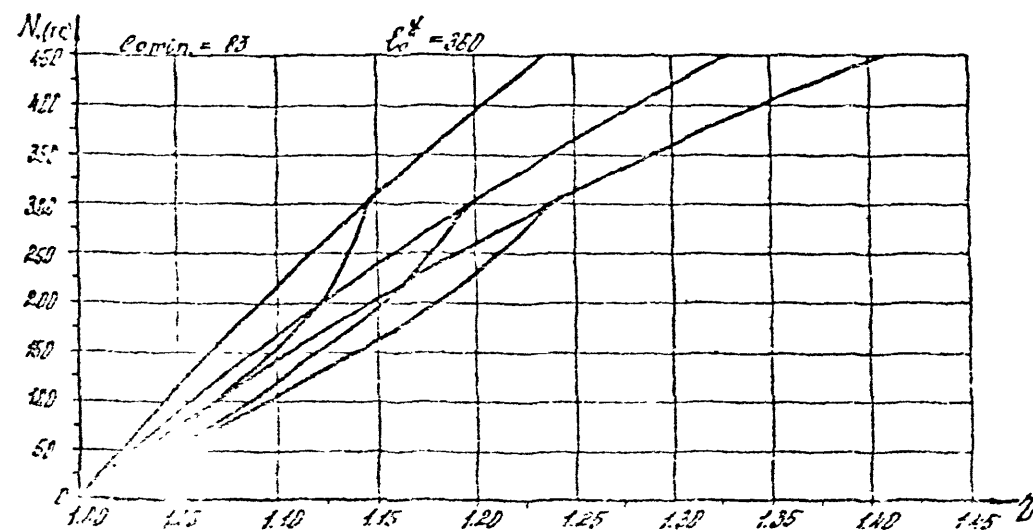
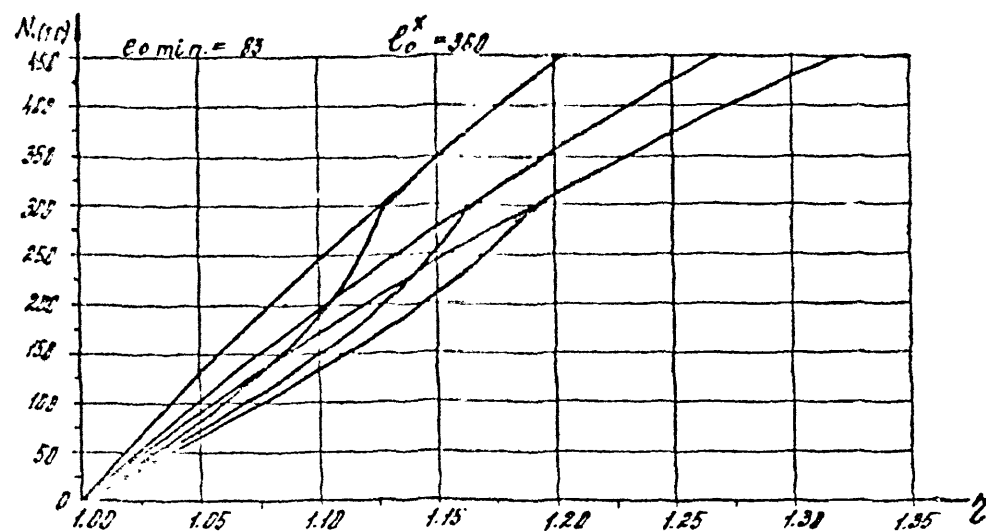
97



Bx 32829 1.105
 1.020 - 1/87. 0-6 - 3 113
 98



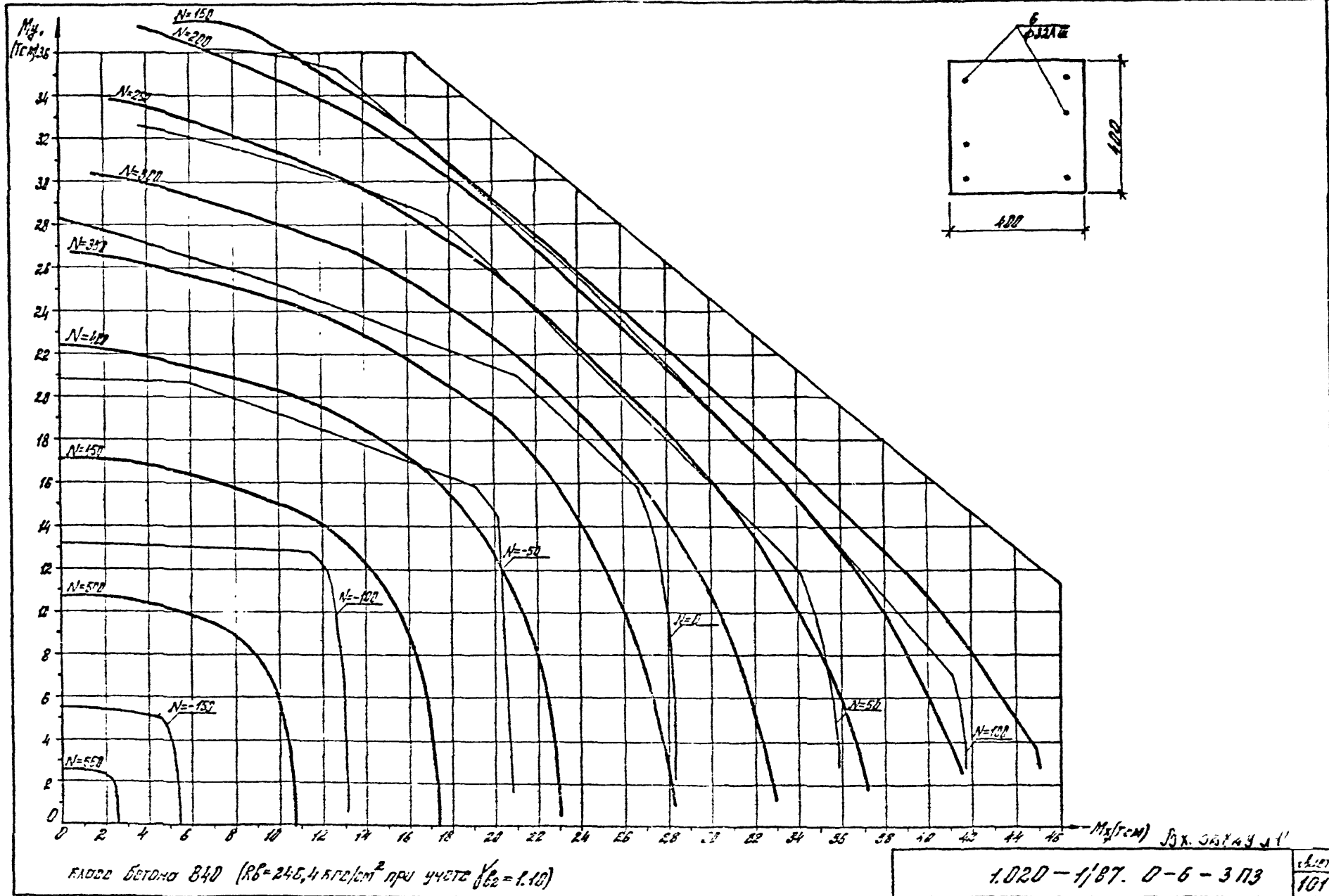
Лист 328294.106 (R_б=201.6 кгс/см² при учете R_с=95)

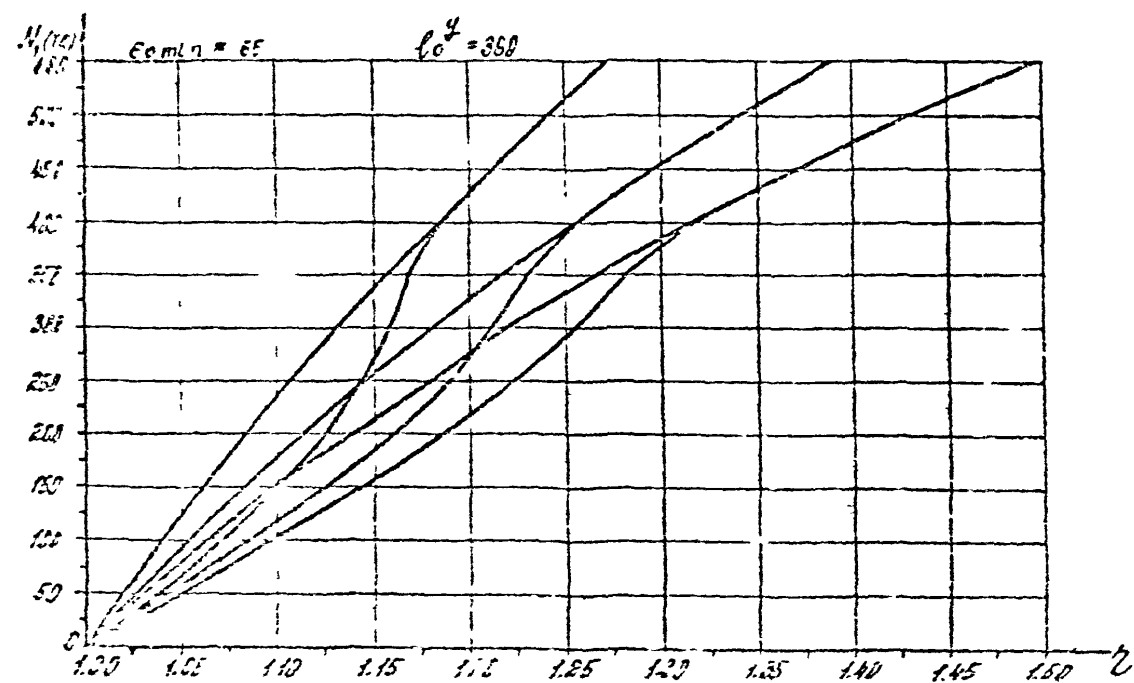
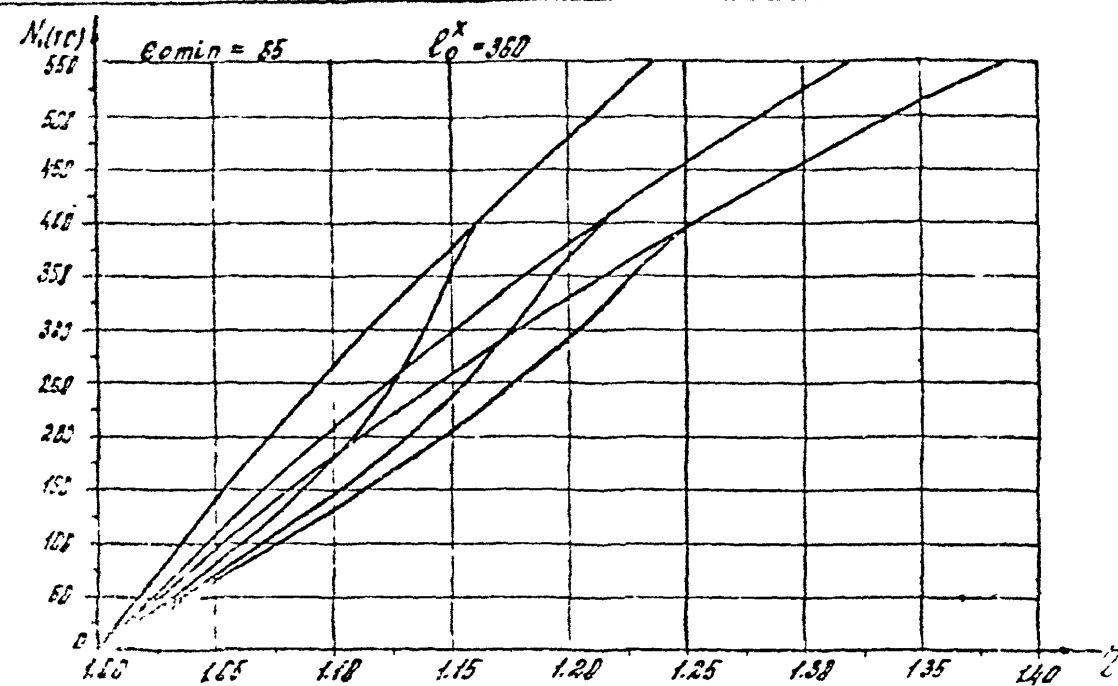


Bx. 32823 A 104

1.020 - 1/87. 0-6-3 113

100

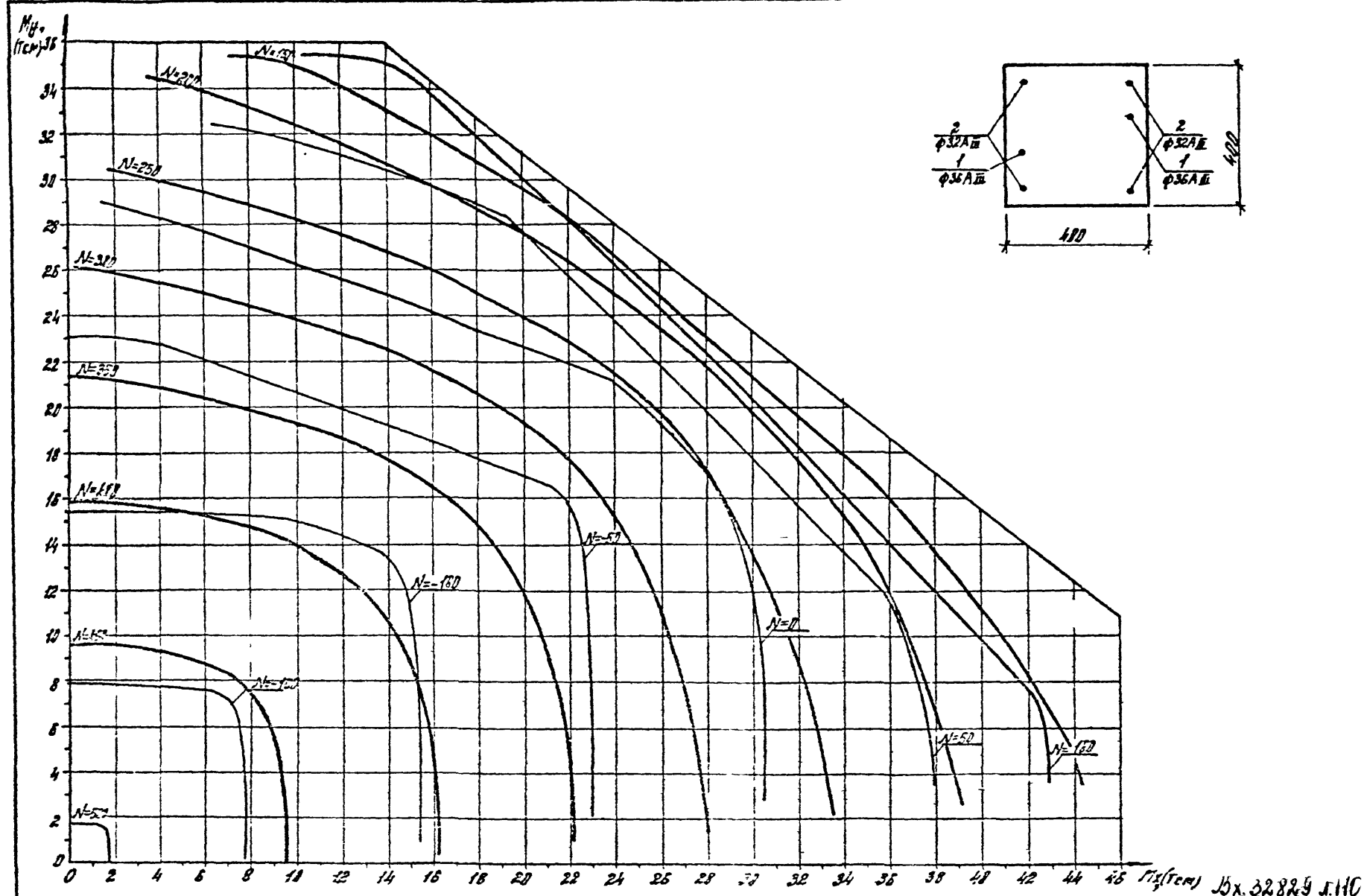




Bx. 32829 A.109

1.020-1/87. 0-6-3 173

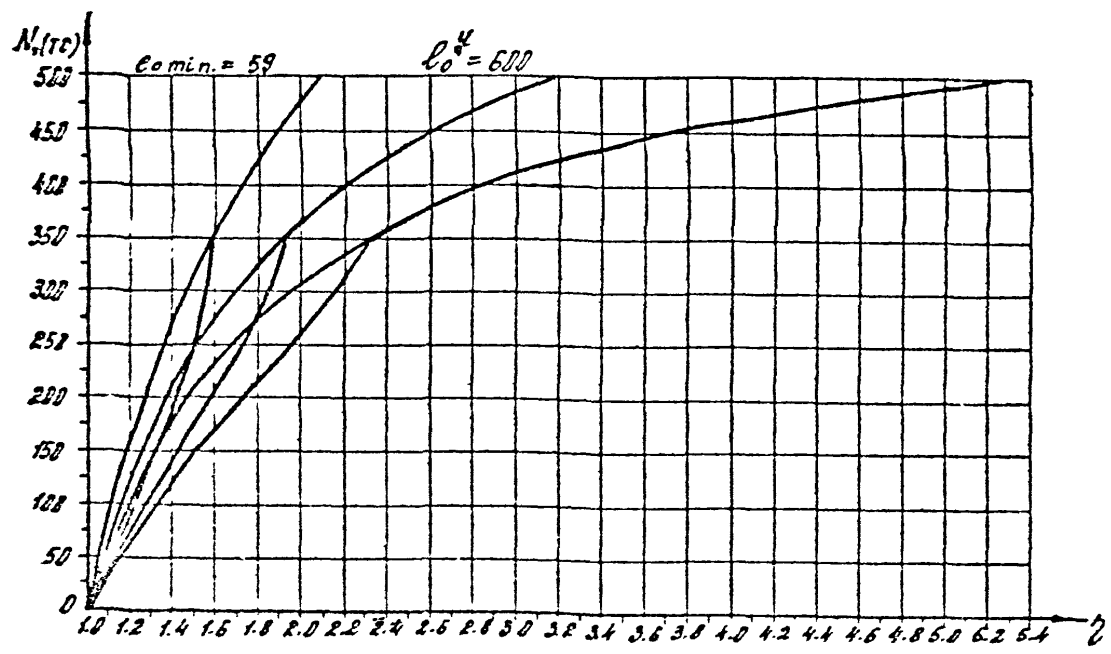
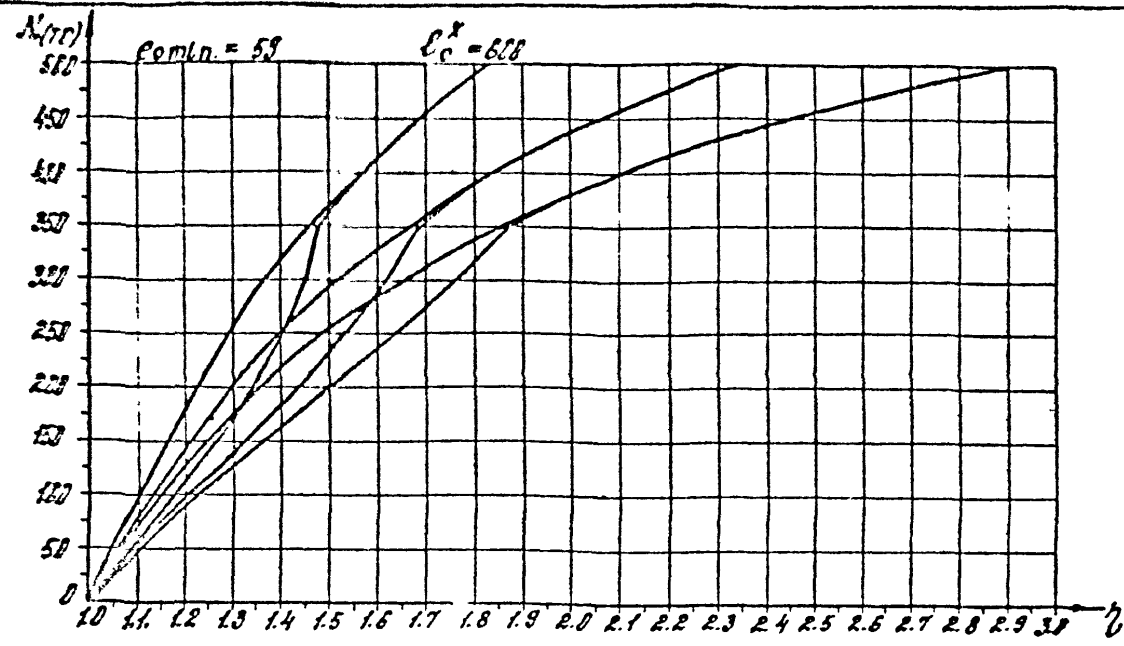
1.02
102



Бетон В40 ($R_B = 20.5 \text{ МПа/см}^2$ при $\gamma_B = 1.3$)

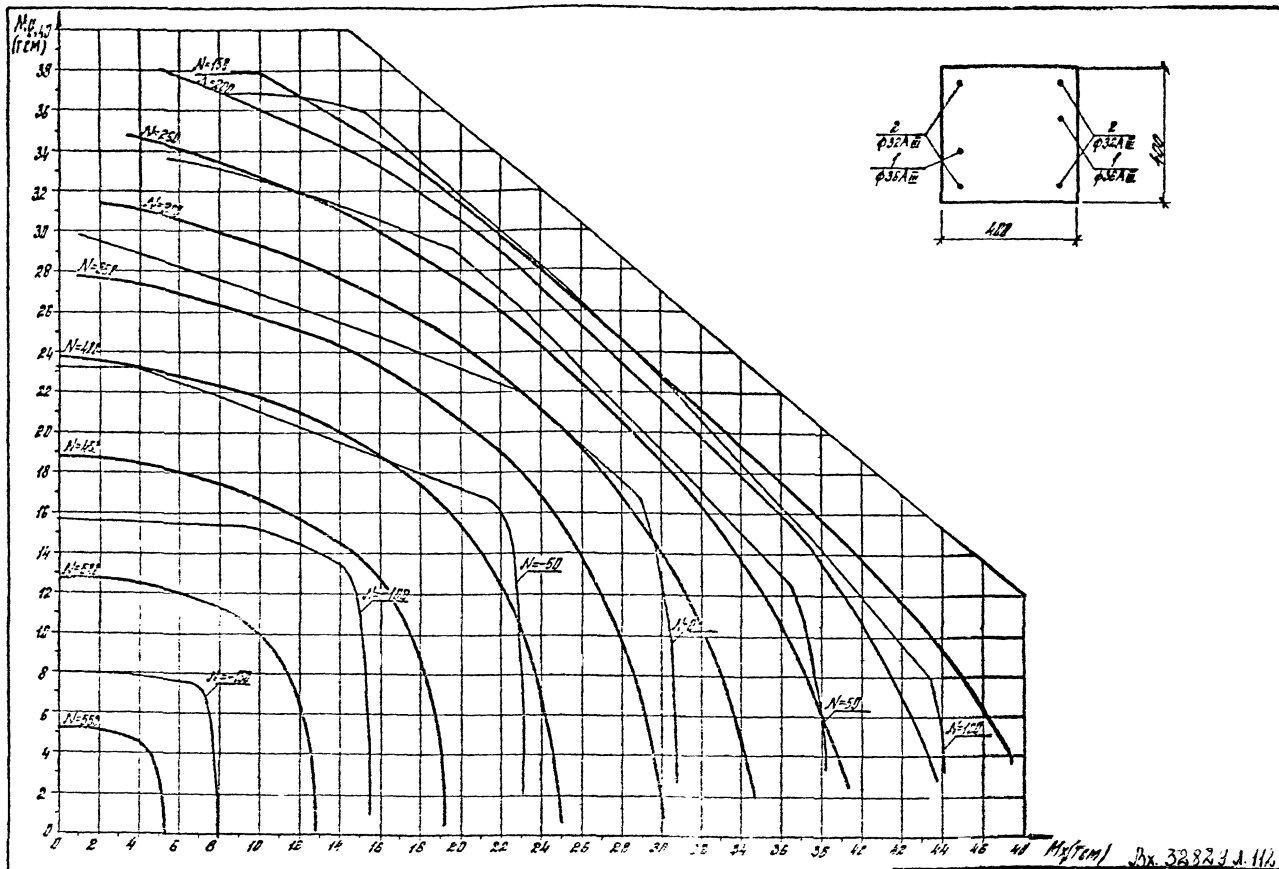
1020-1/87. 0-5-313

103



Box 32829 A.111

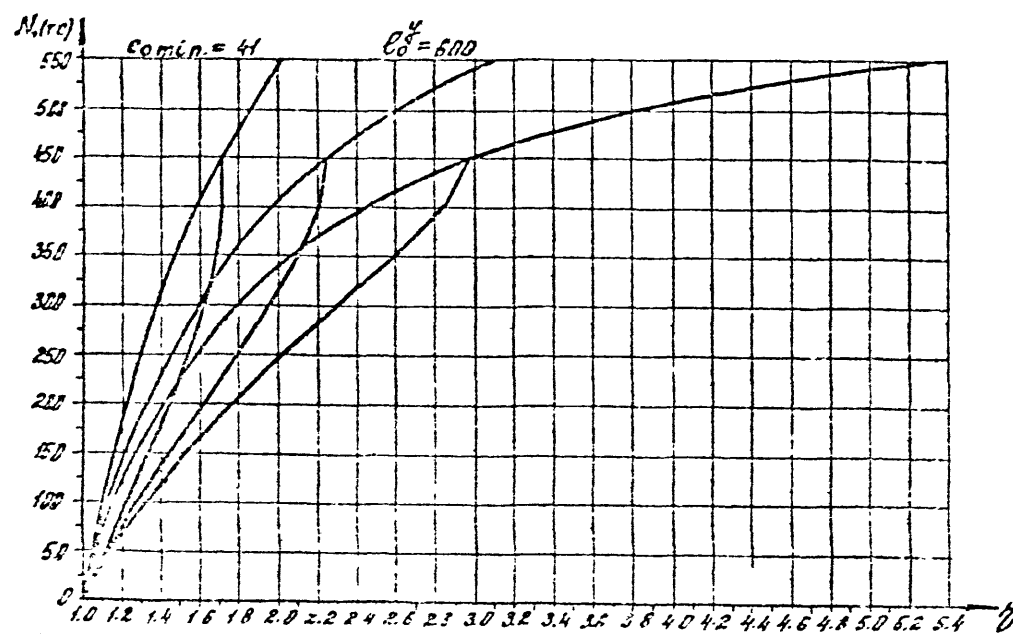
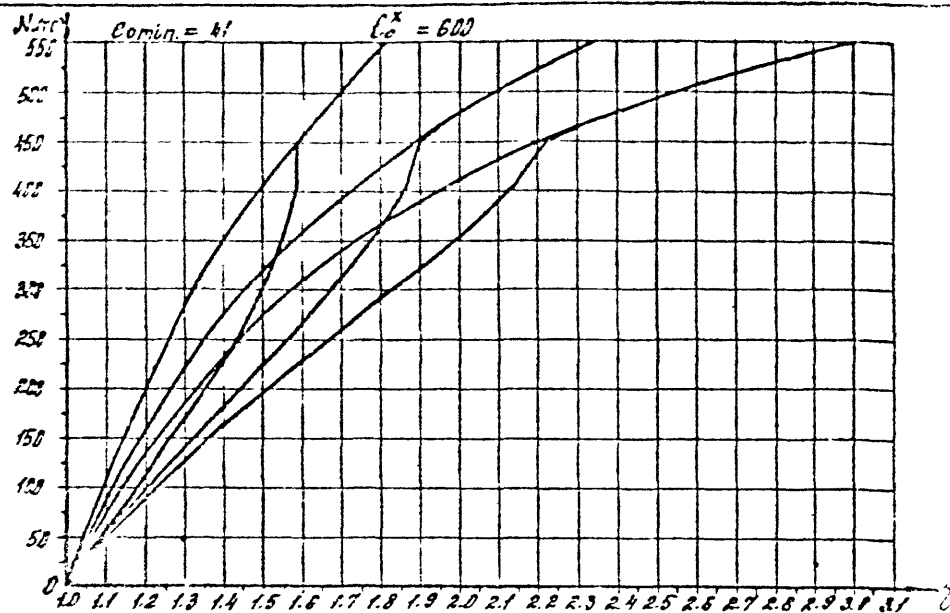
1.020-1/87 0-6-3113



класс бетона B40 ($R_b = 21.5 \text{ МПа}$ при $\gamma_c = 1.10$)

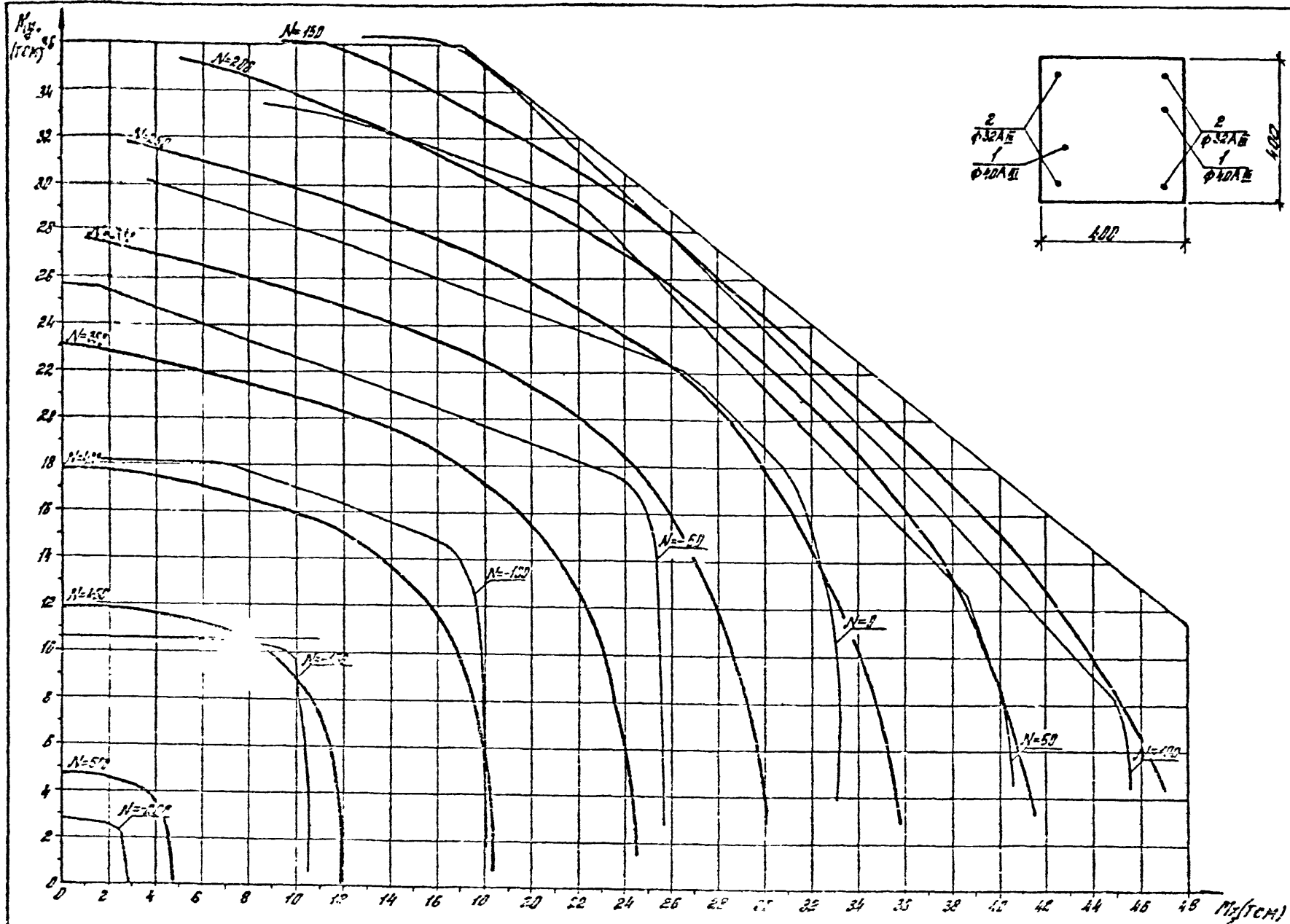
1.020-1/87. 0-6-3.13

105



Bx. 32829.113
1020-1/87. 0-6-3 n3

205
100

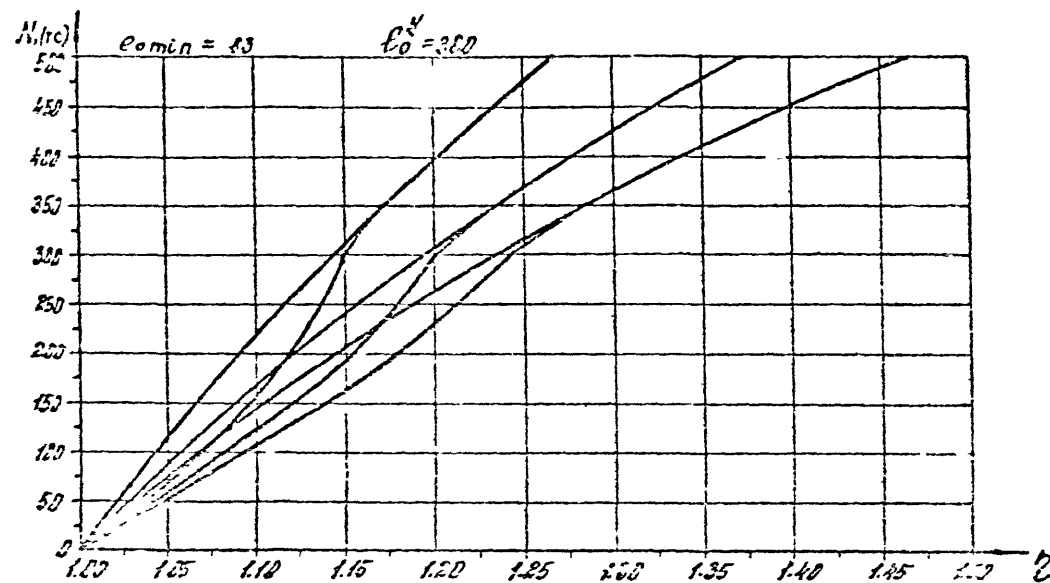
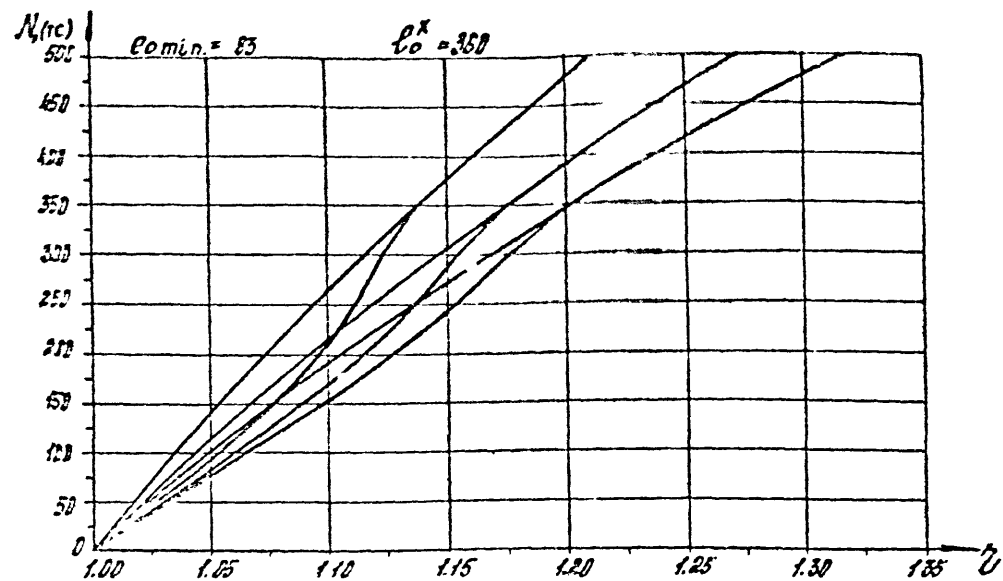


модель бетона Б40 ($R_s = 201 \text{ МПа}$ при $f_{ct} = 0.5$)

1.020 - 1/87. 0-6-3 113

Вх. 32829 и 114

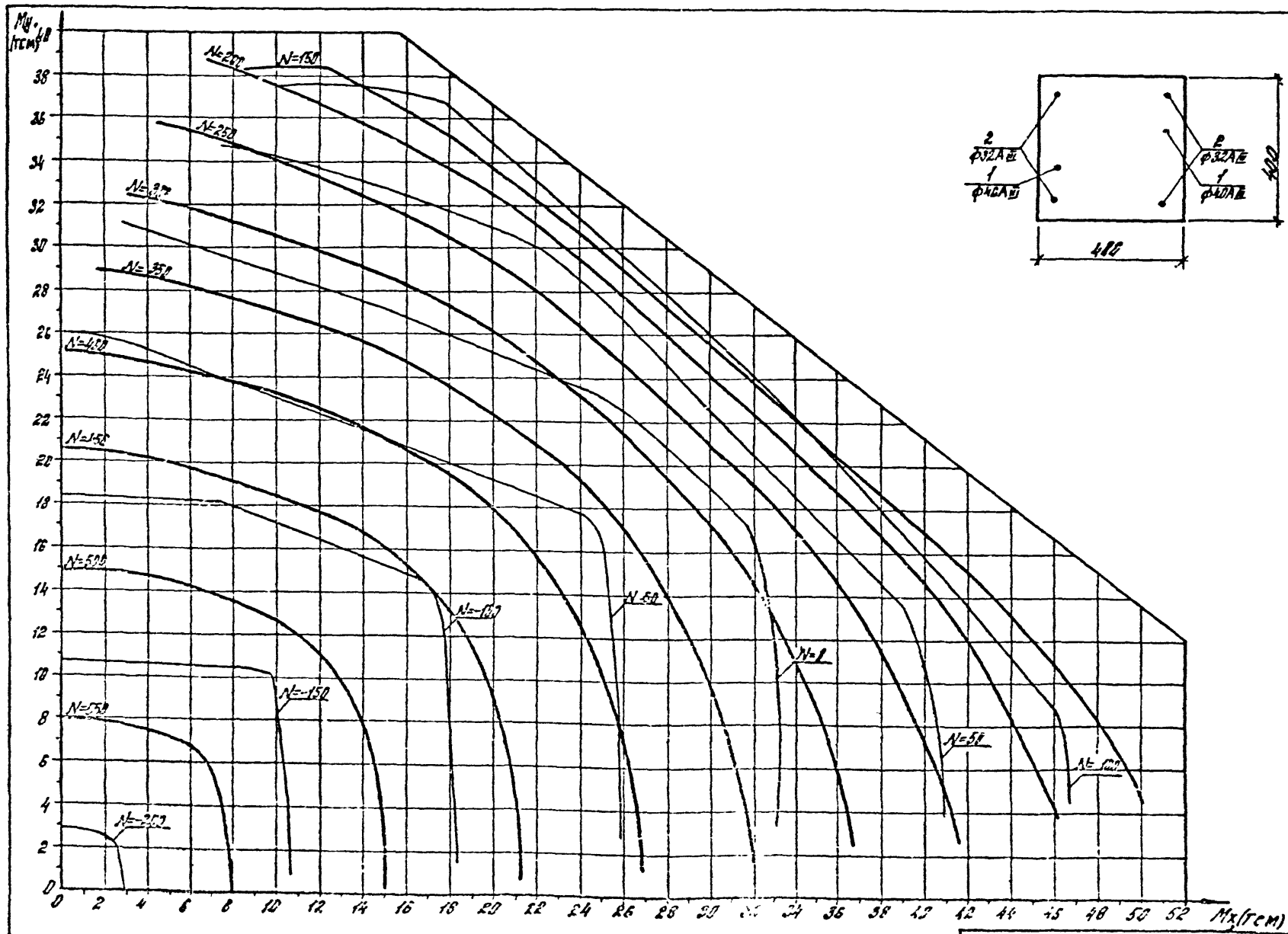
112
107



Bx. 26829A115

1020-1/87. 0-6-3113

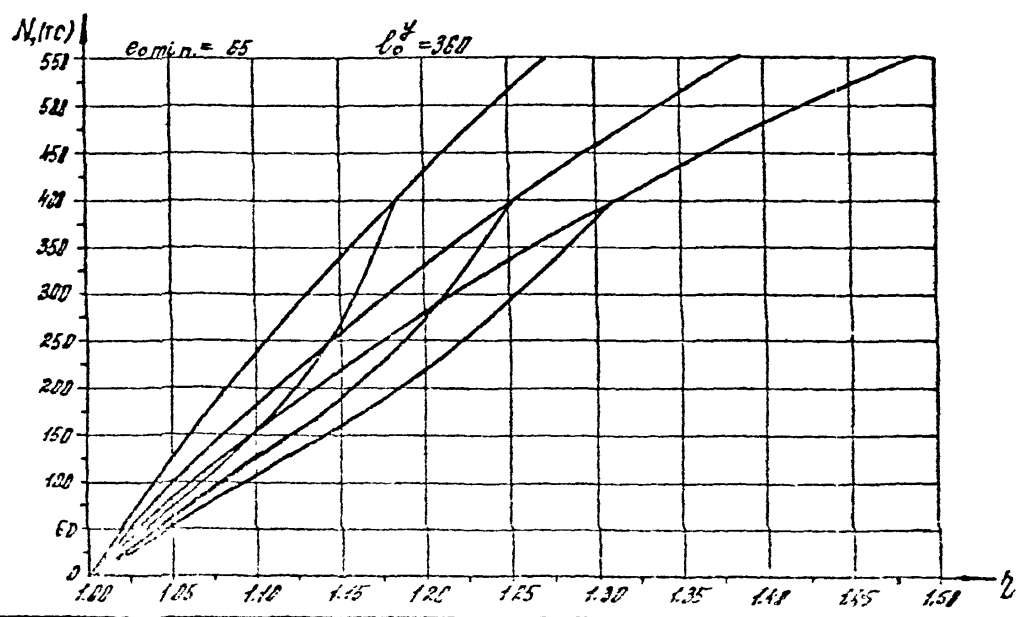
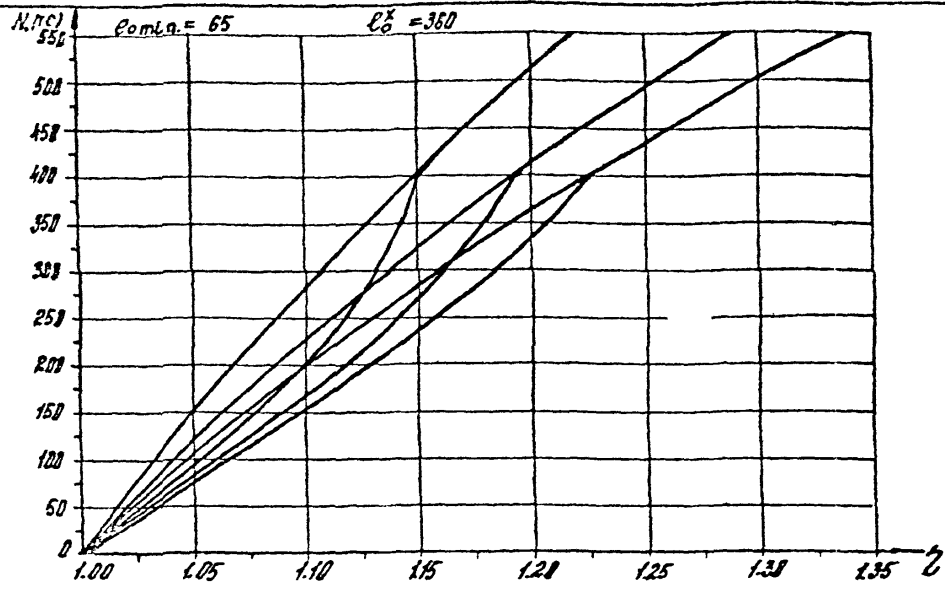
113



FACTOR BETWEEN 840 ($R_2 = 245.4 \text{ cm}^2/\text{cm}^2$ OF 4400 WHERE $\delta R = 1.2$)

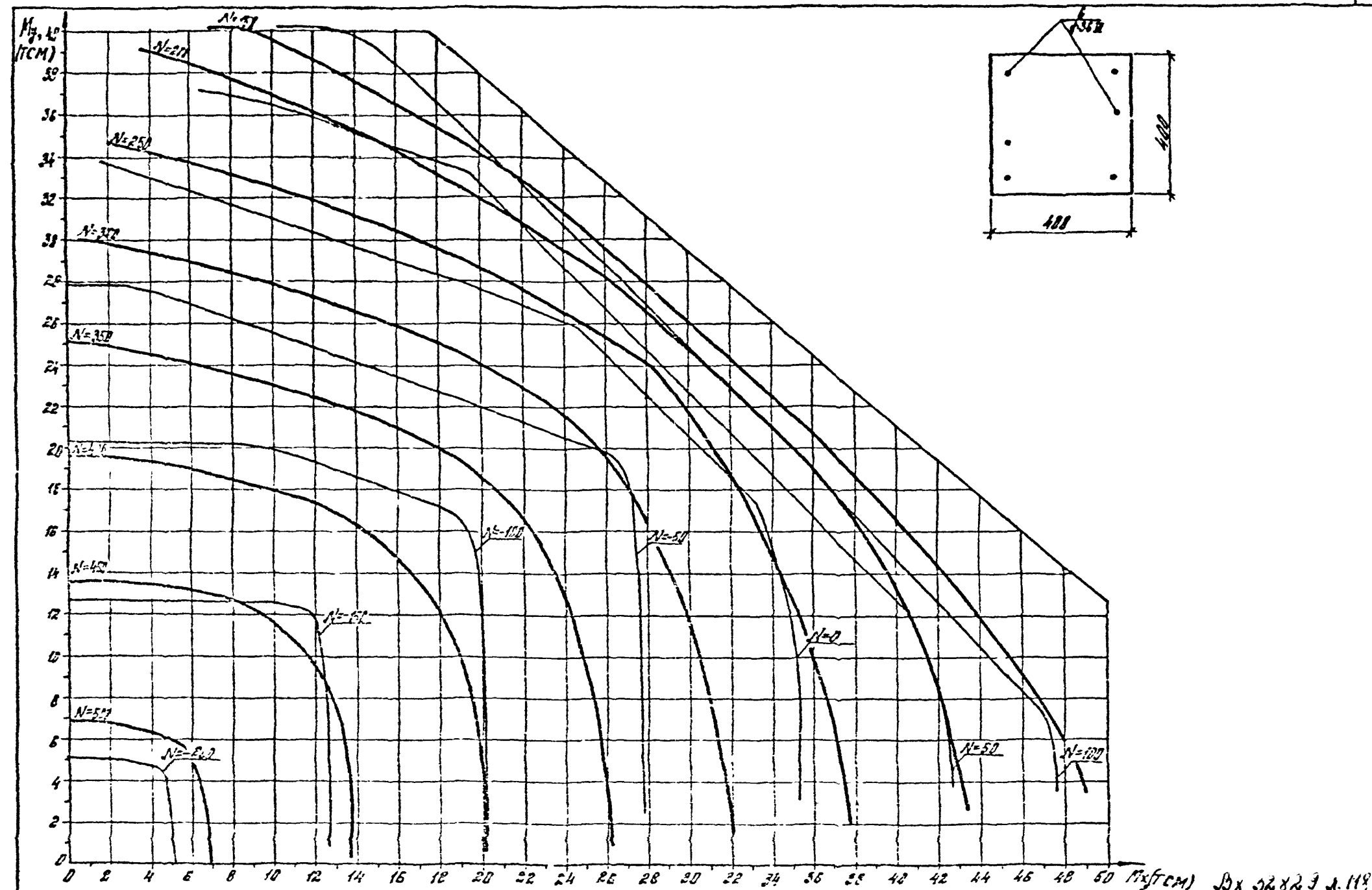
1.020-1/87.0-6-373

Bx. 32829 л. 116



Bx. 32829 n. 114

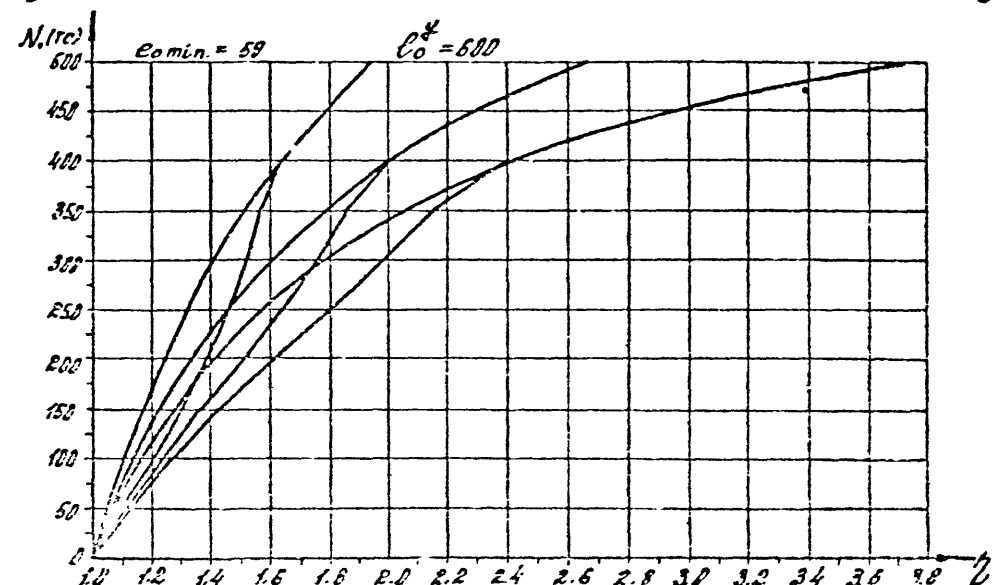
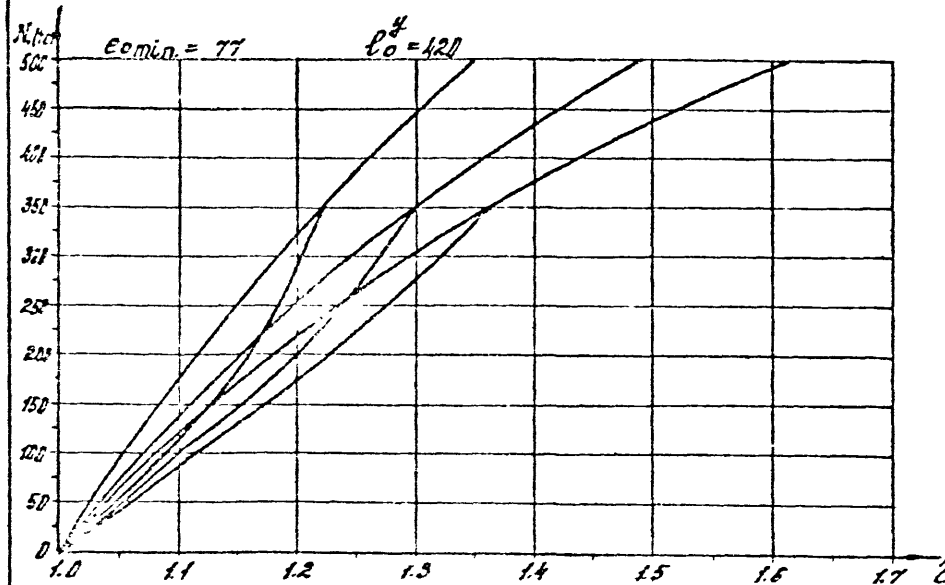
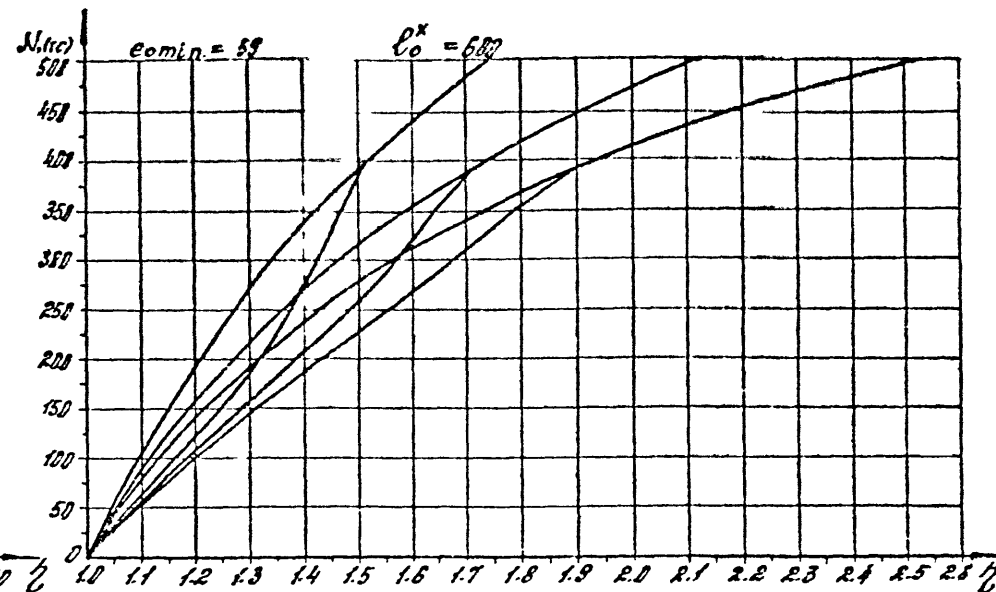
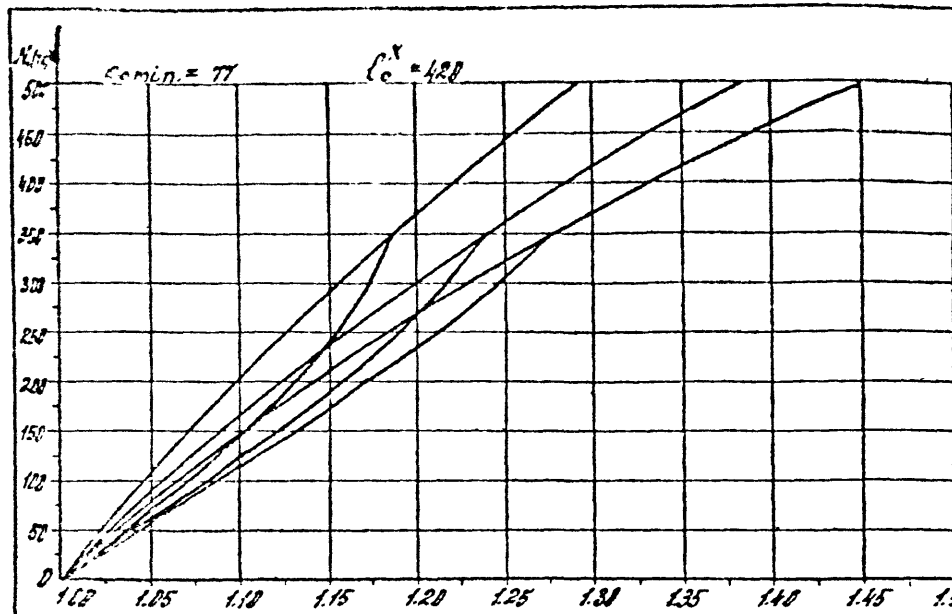
1.020-1/87. 0-6-3 113



Бетон В40 ($R_b = 20 \text{ МПа}$ и $R_{ct} / \text{см}^2$ при $\mu = 0.01$)

1.020-1/87. 0-5-3 ПЗ

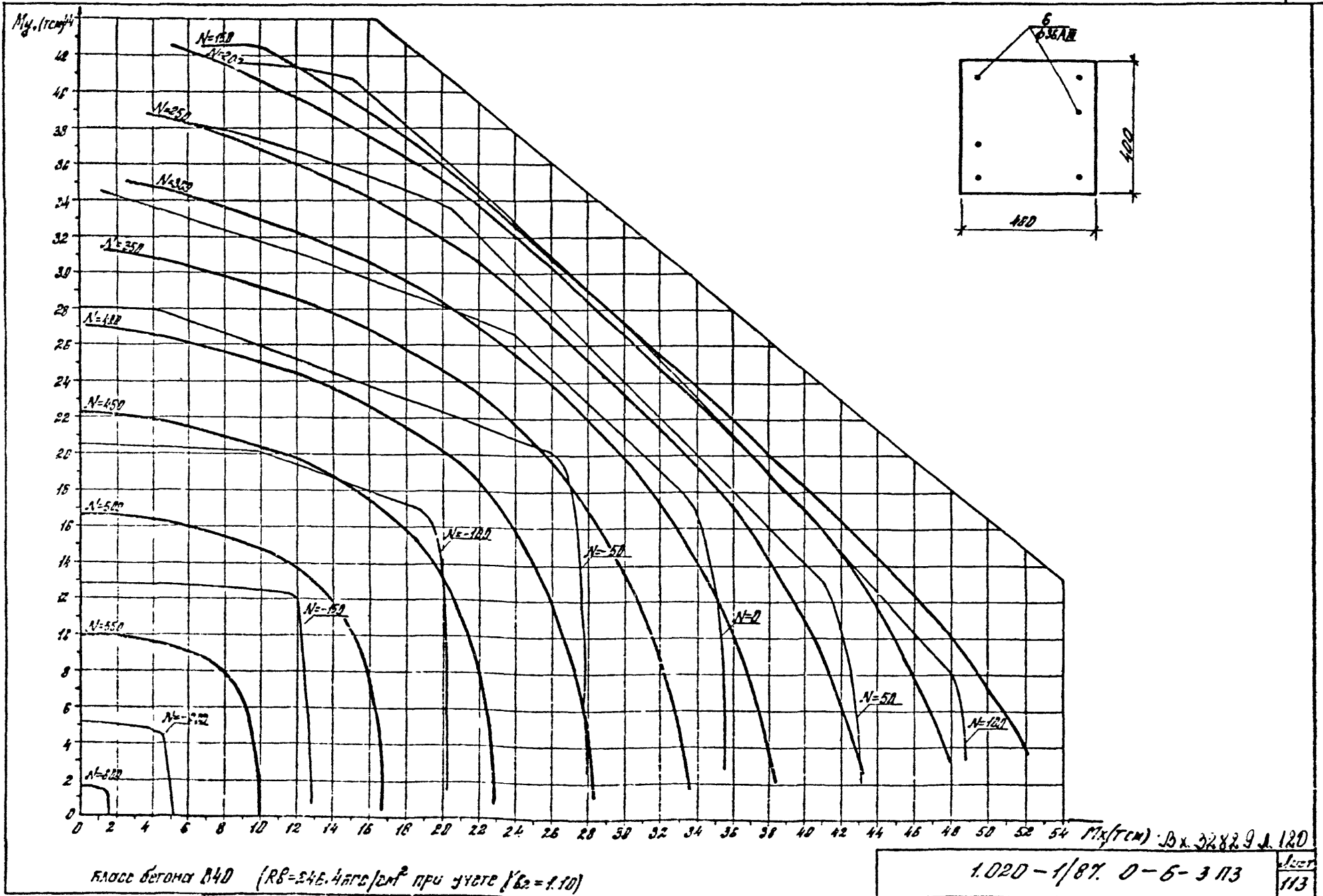
стр. 111

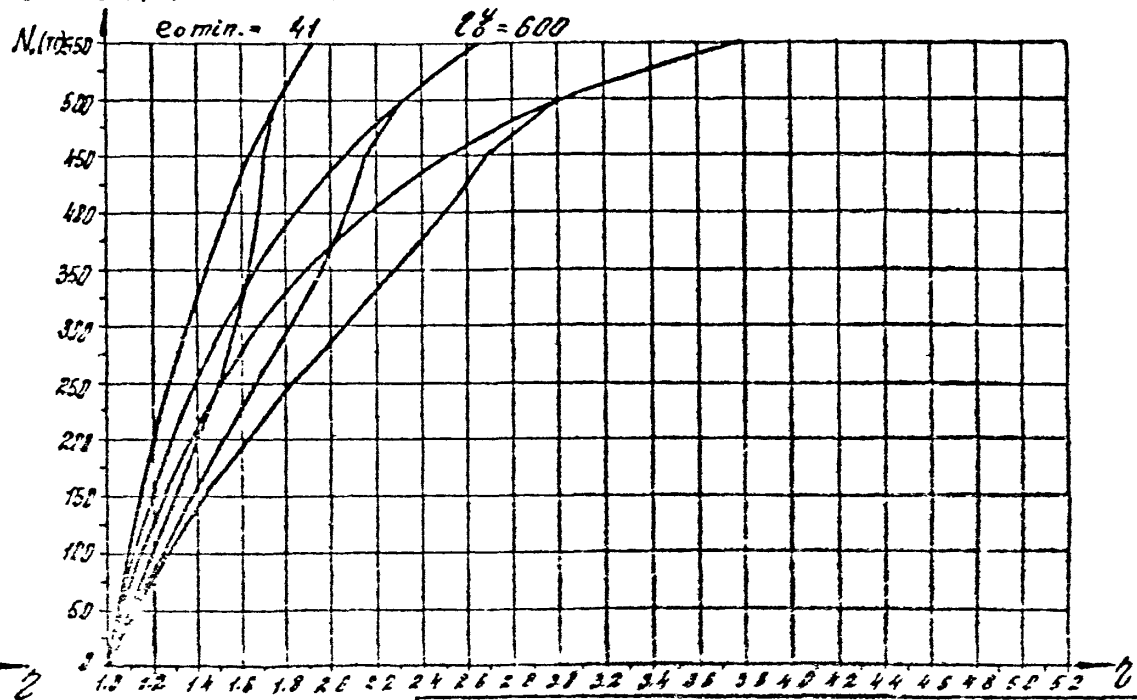
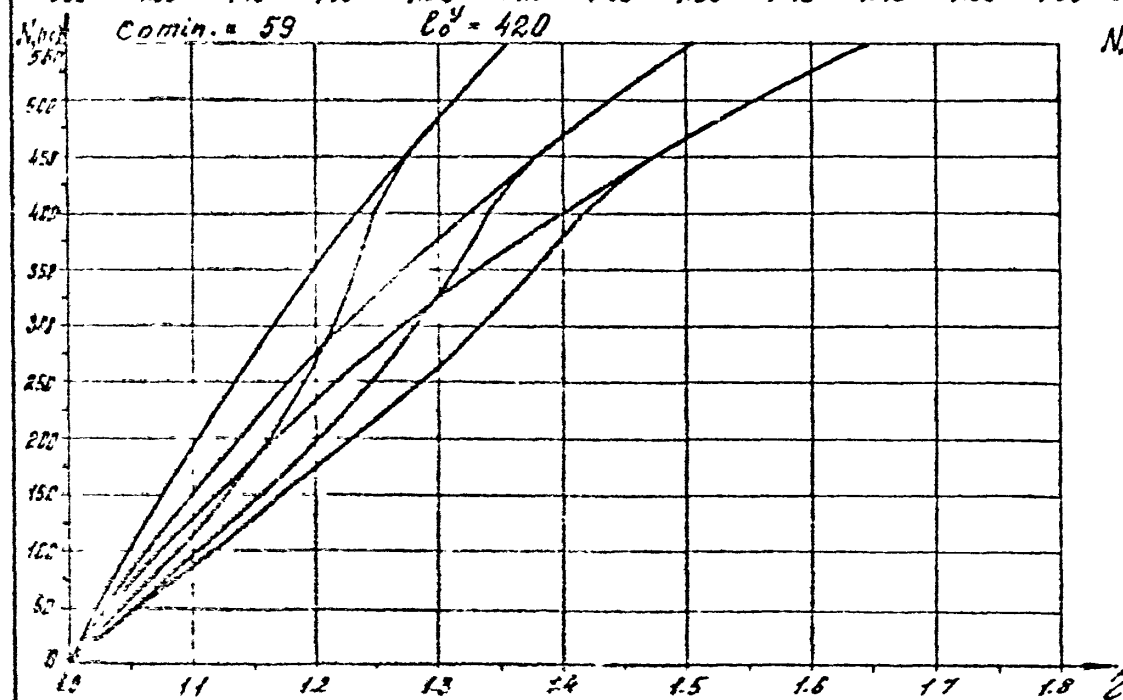
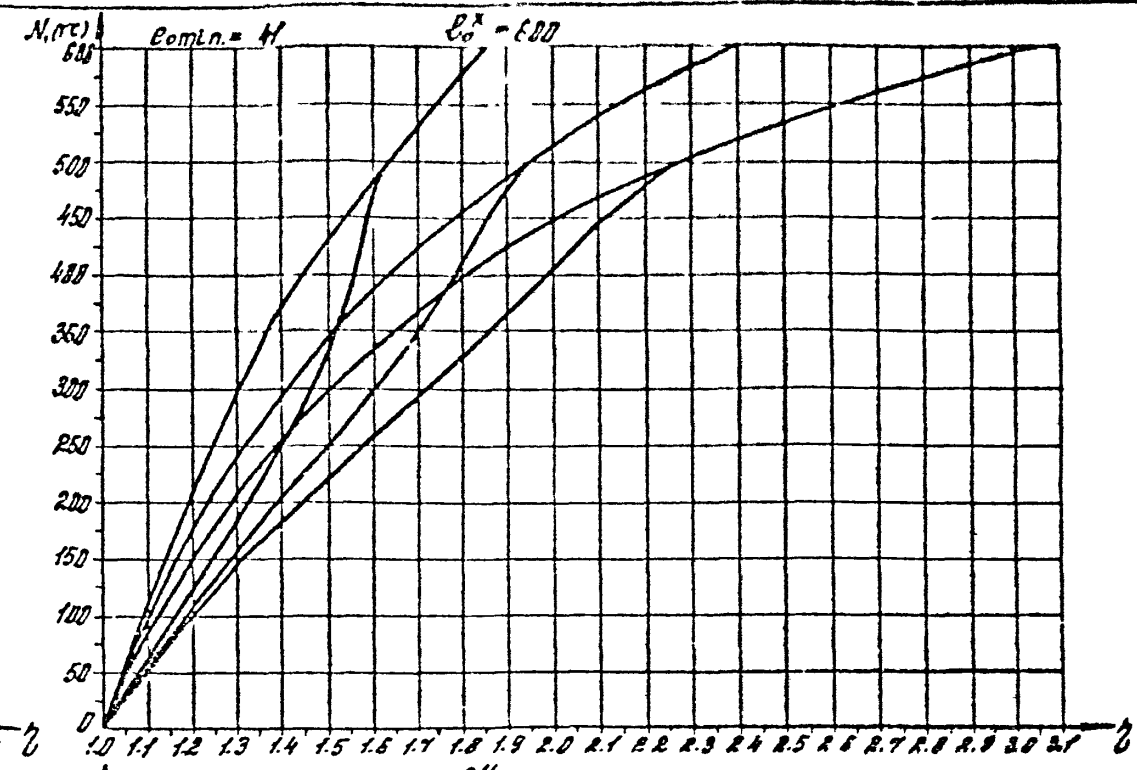
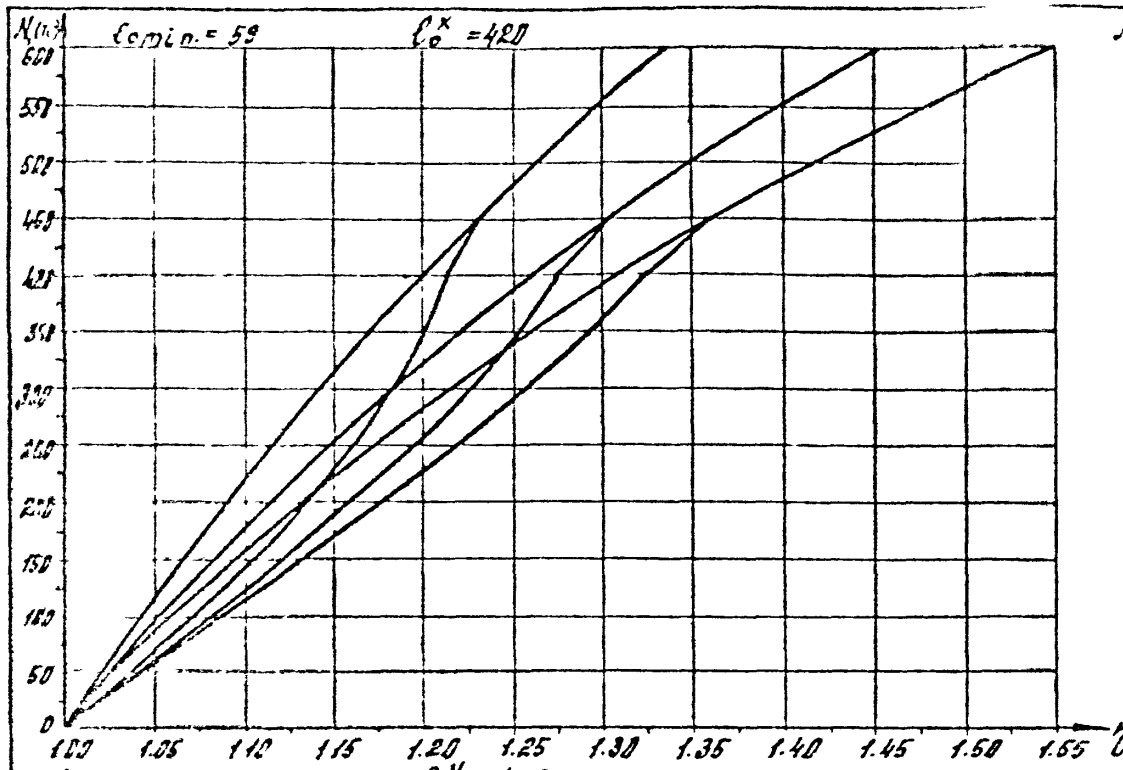


Bx. 32829 J. 119

1.020-1.87. 0-6-3 173

112

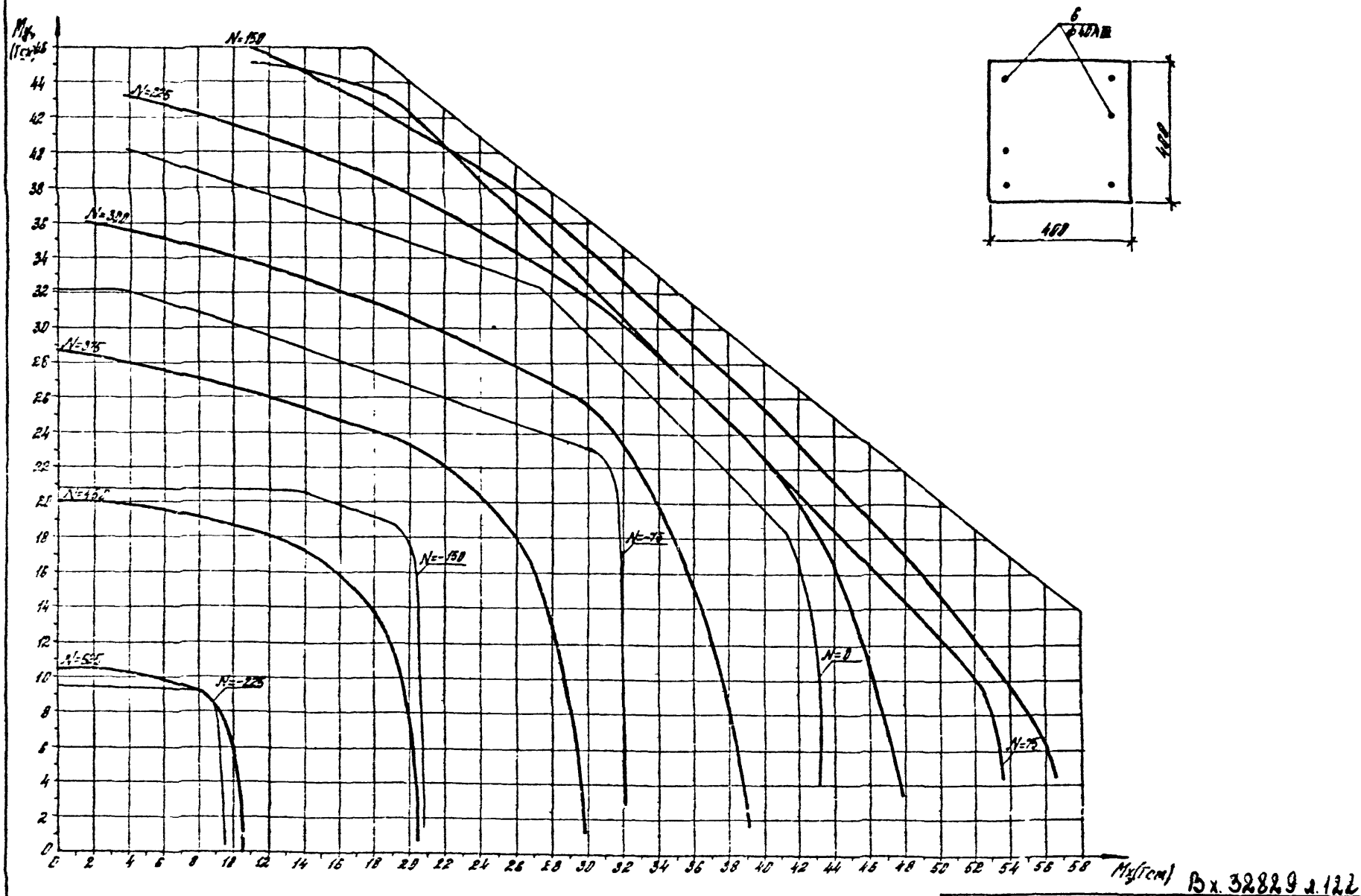




1.020-1/87. 0-8 - 3 113

114

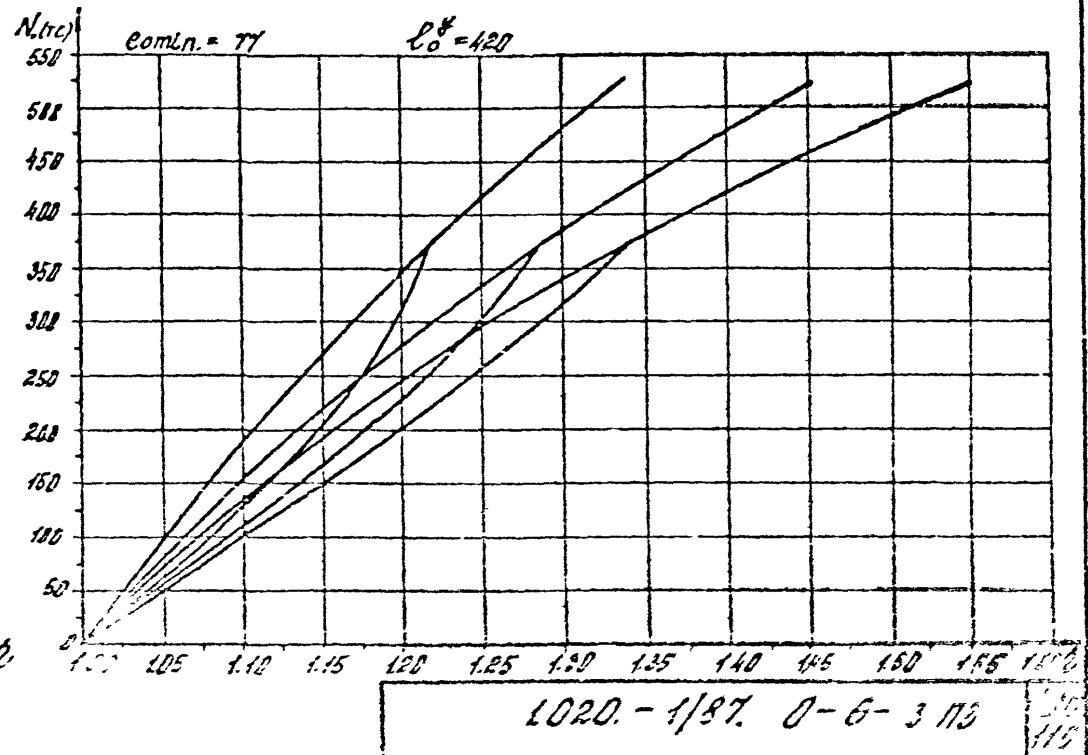
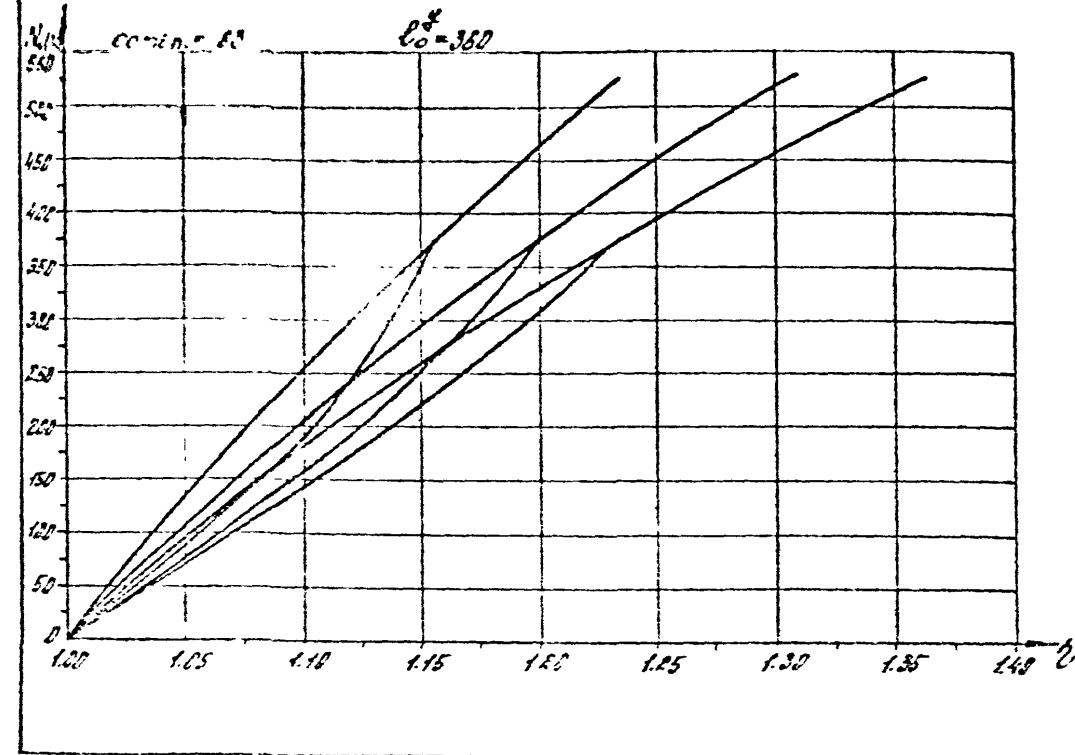
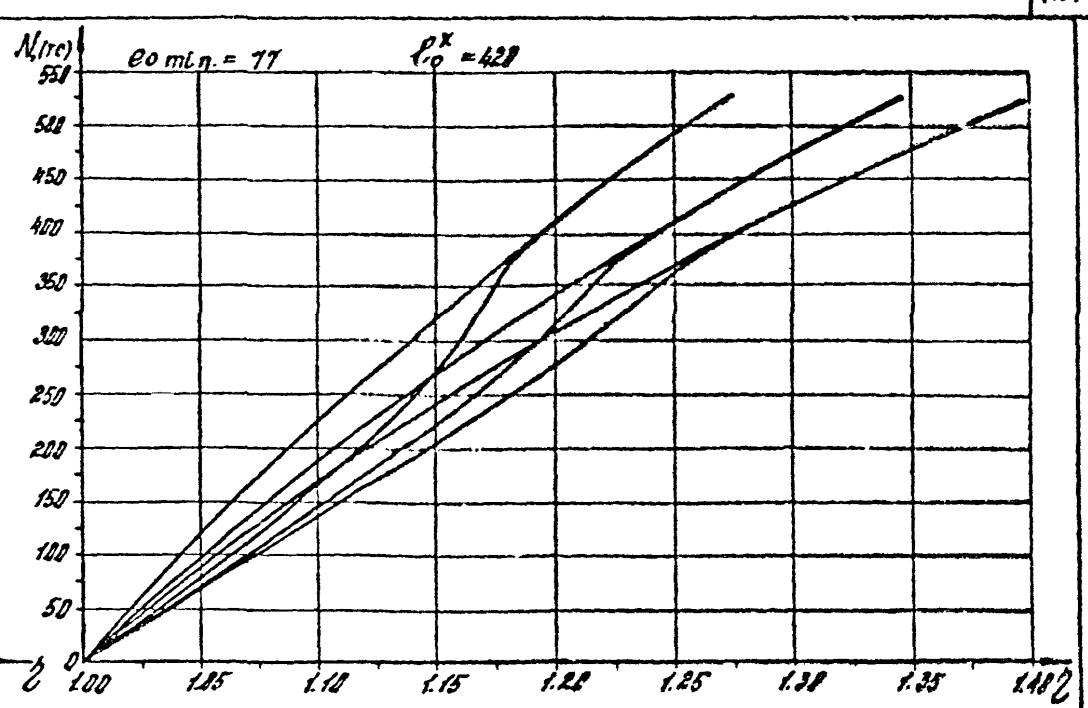
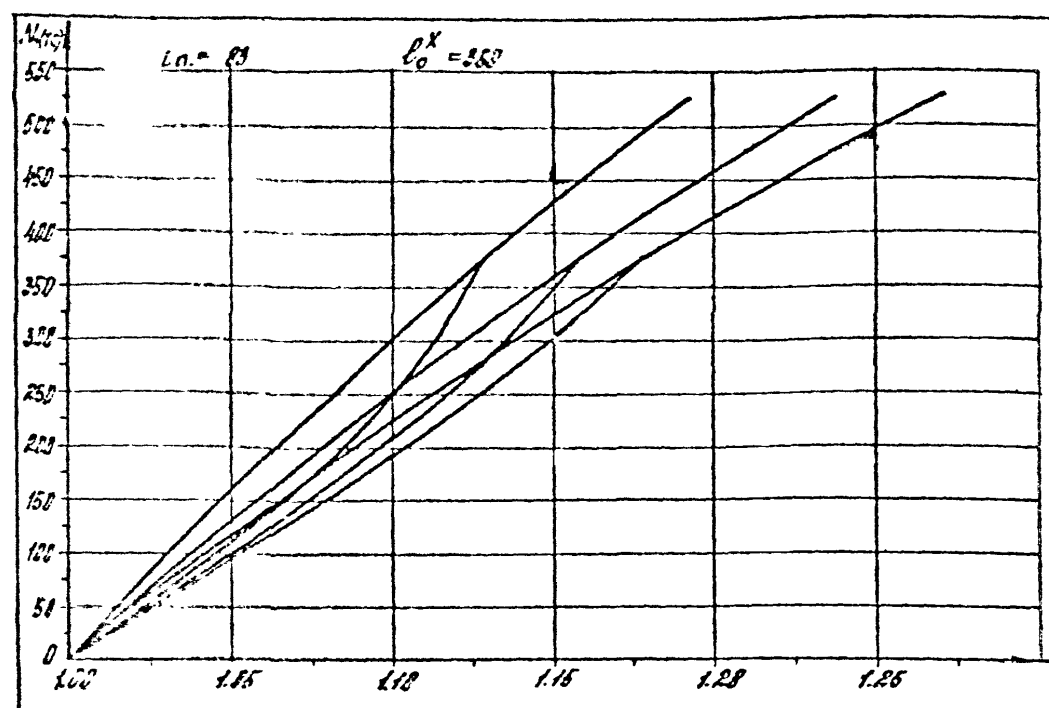
Box 32829 J. 121



Бетон Б40 ($R_b = 201.5 \text{ кгс/см}^2$ при $\gamma_{\text{бт}} = 0.9$)

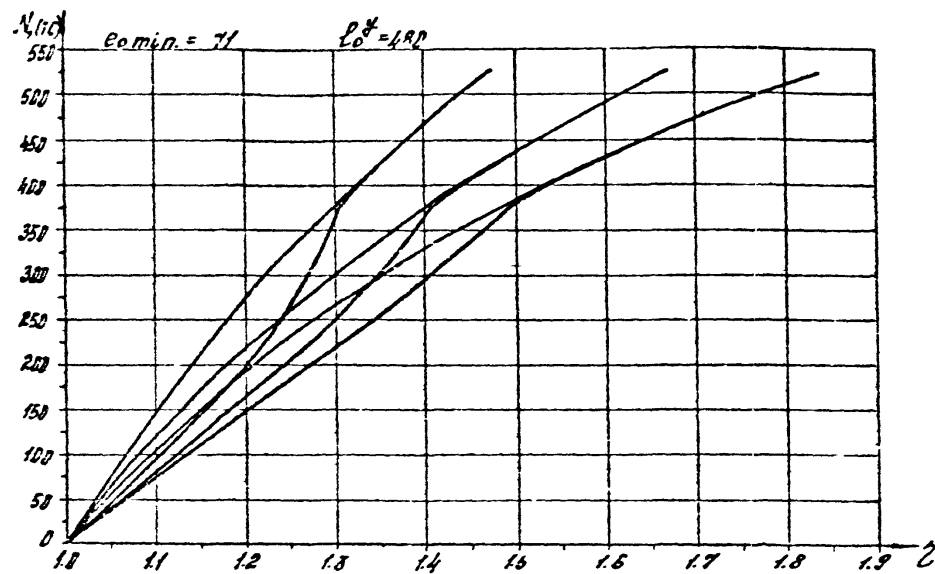
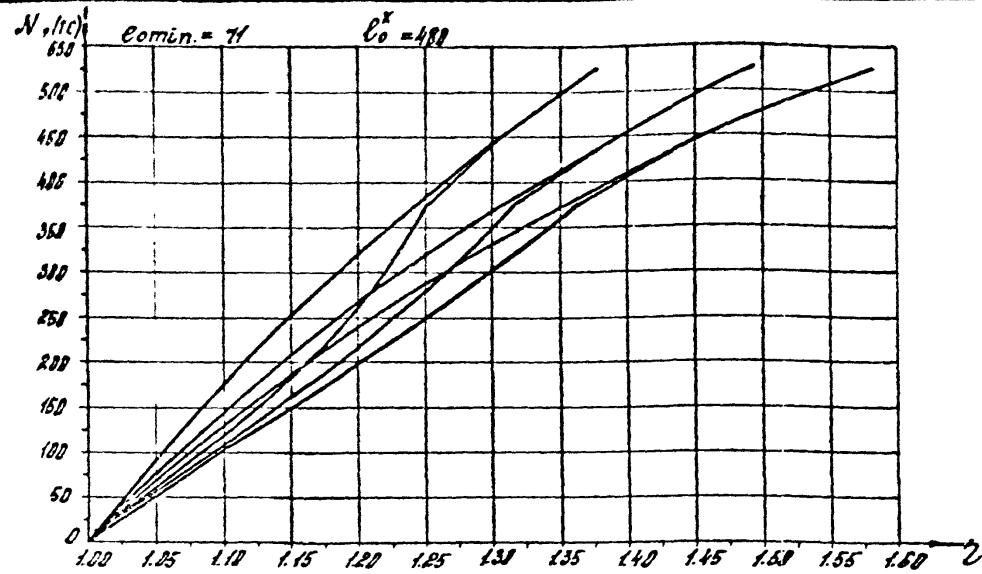
1.020-1/87. 0-6-3 ПЗ

1/27
1/5



1020. - 1/87. 0-6-3 115

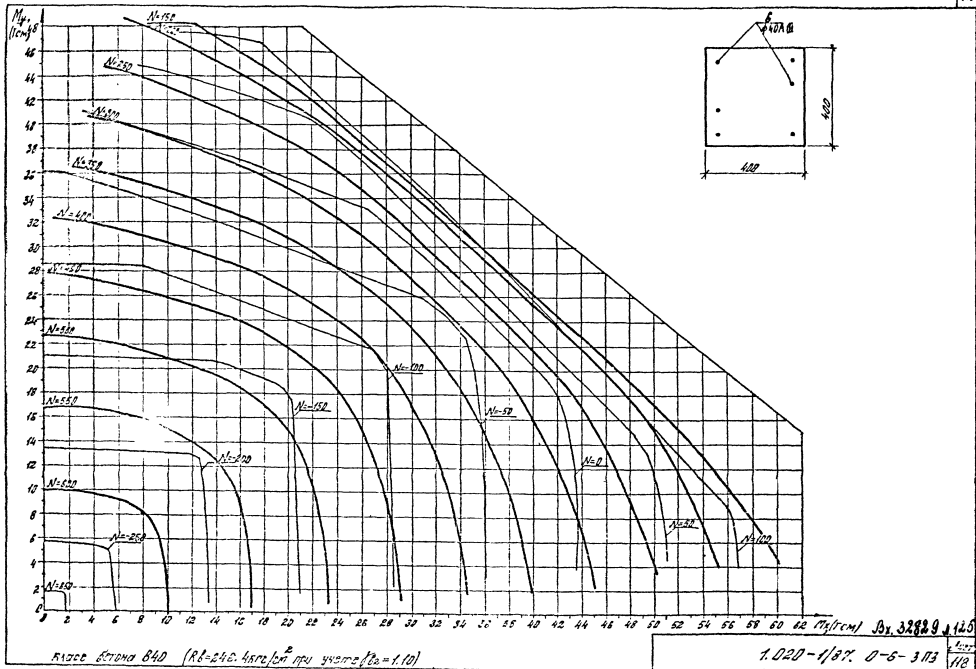
Bx 32829 A123

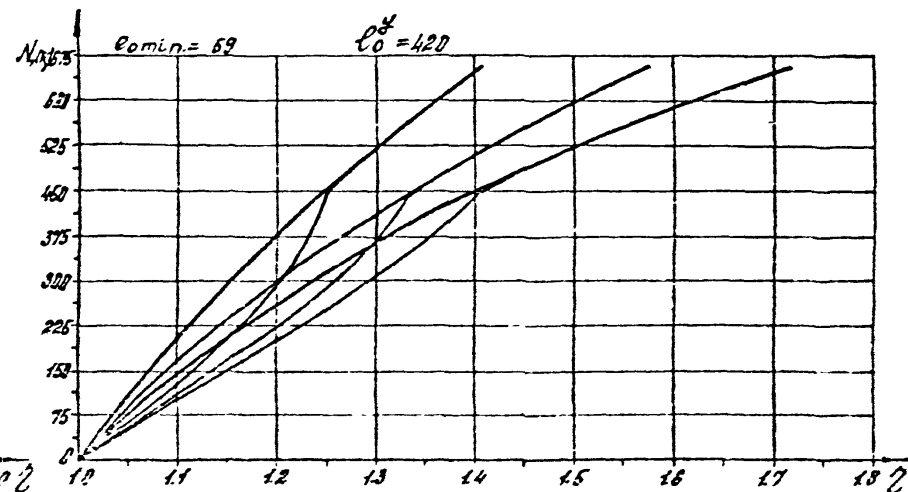
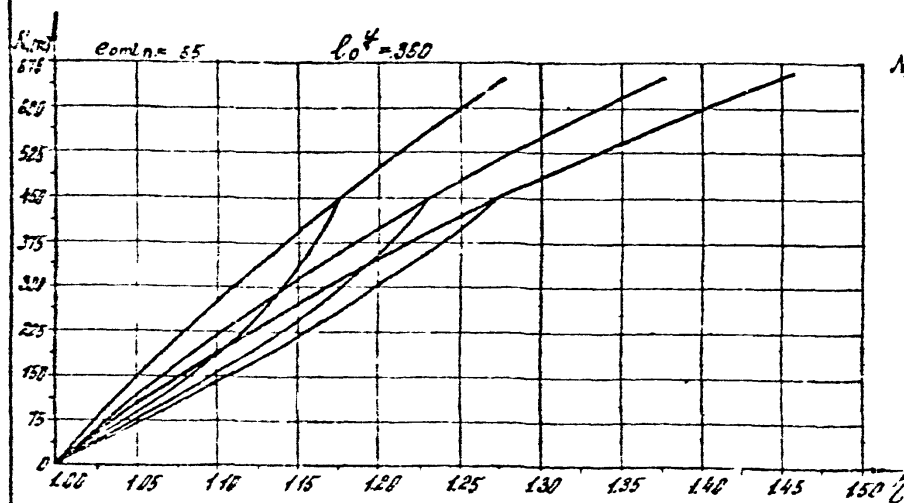
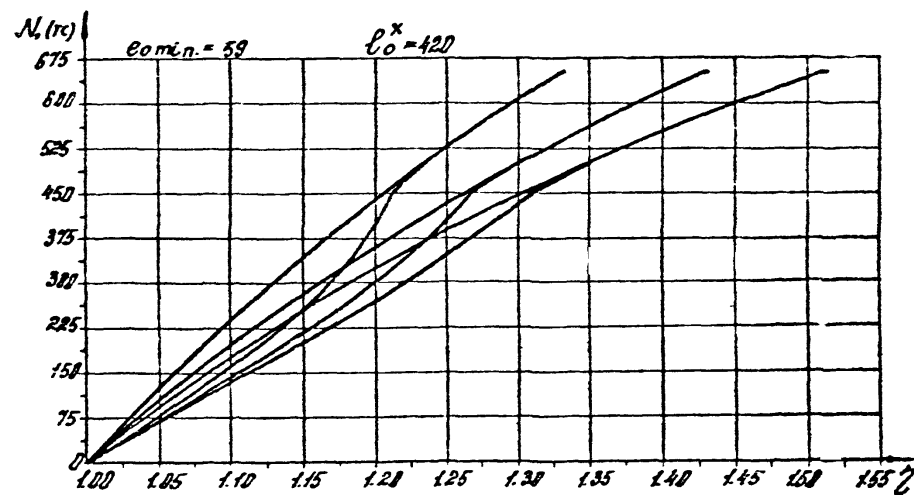
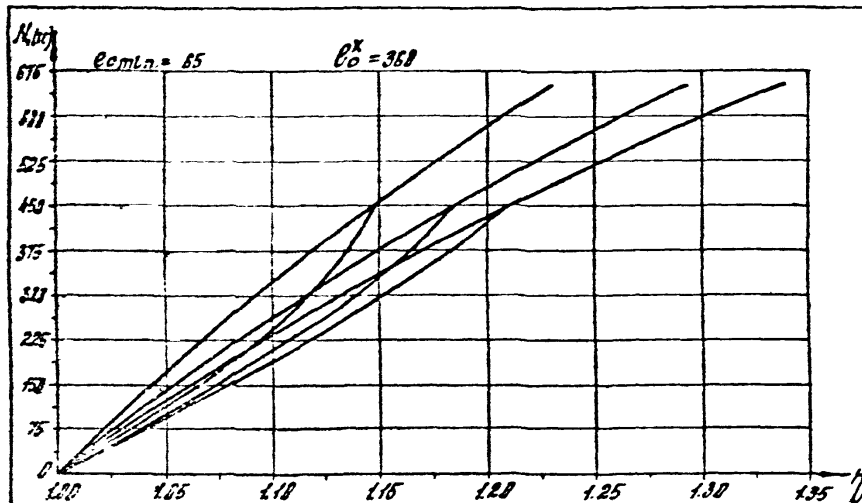


Bx. 32829 J. 124

1.020-1/87. 0-6-3 173

1.020
177

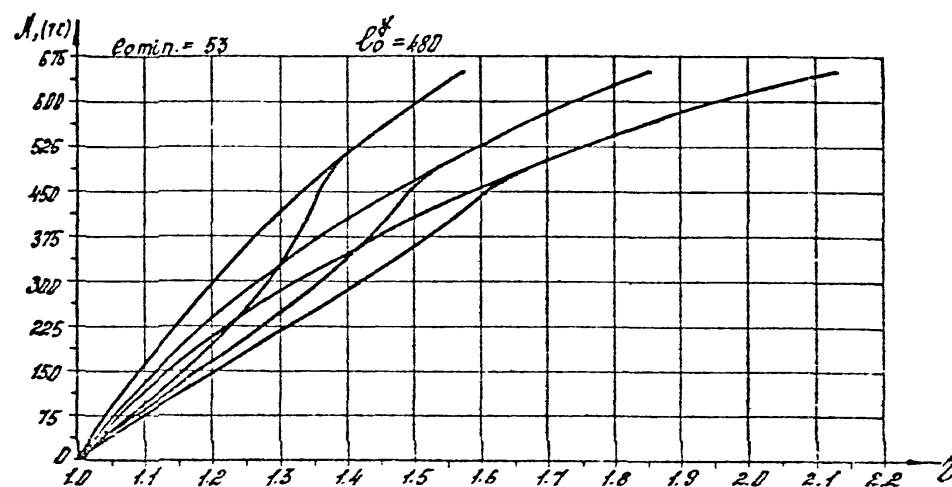
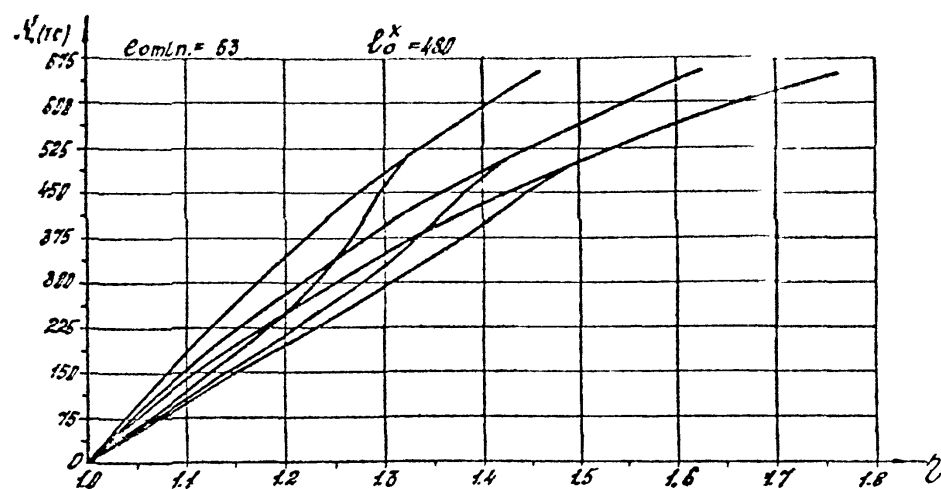




Bx 32829 a. 126

1.020-1/87. 0-6-3 113

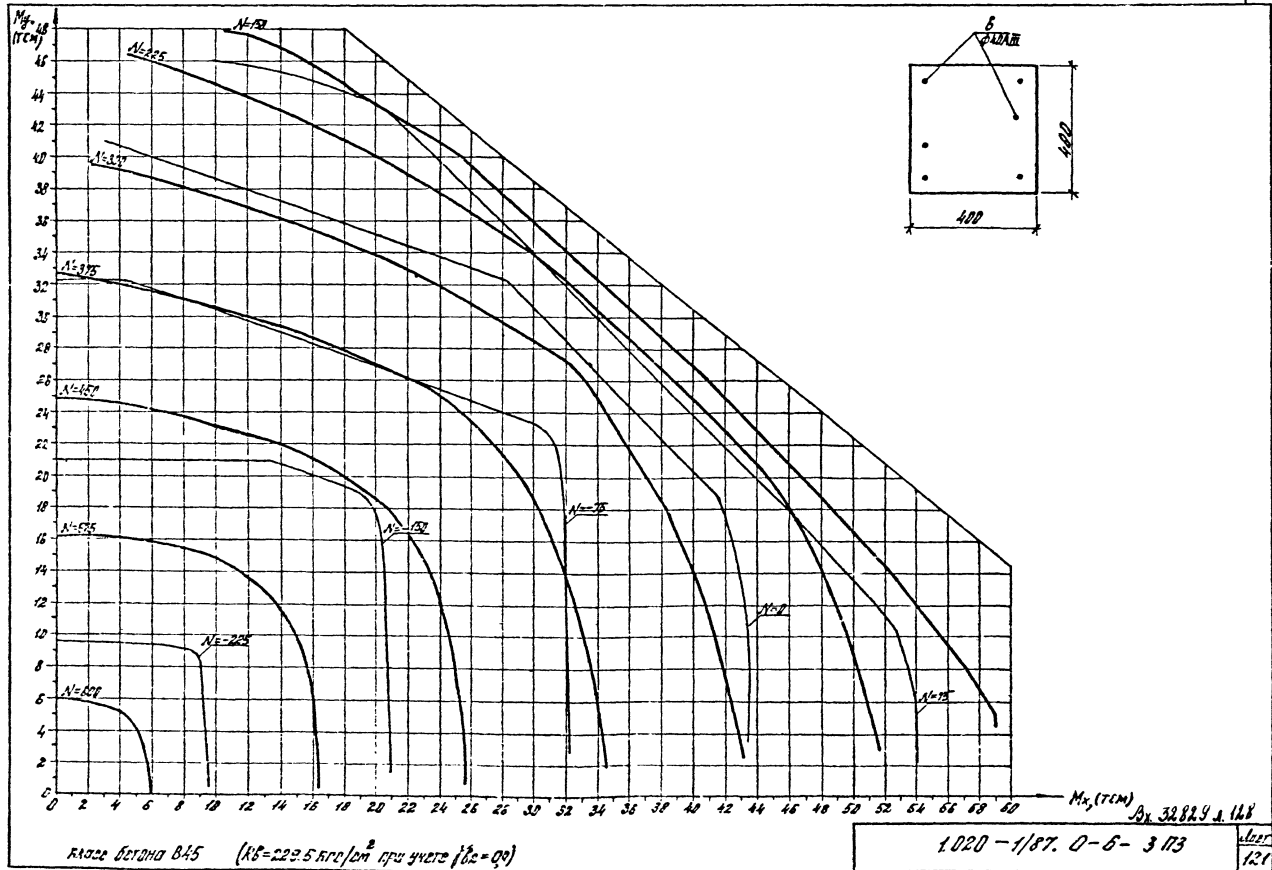
119

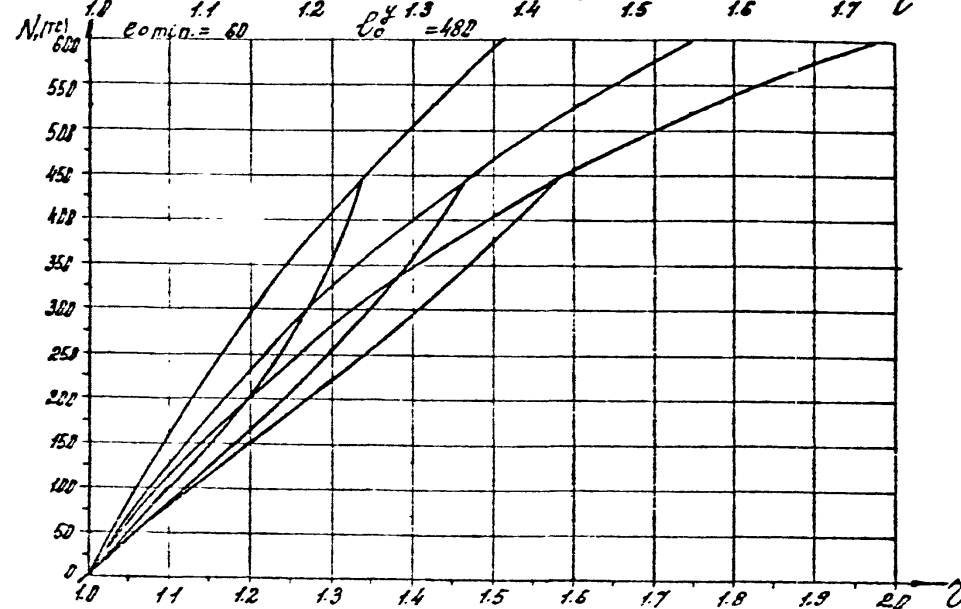
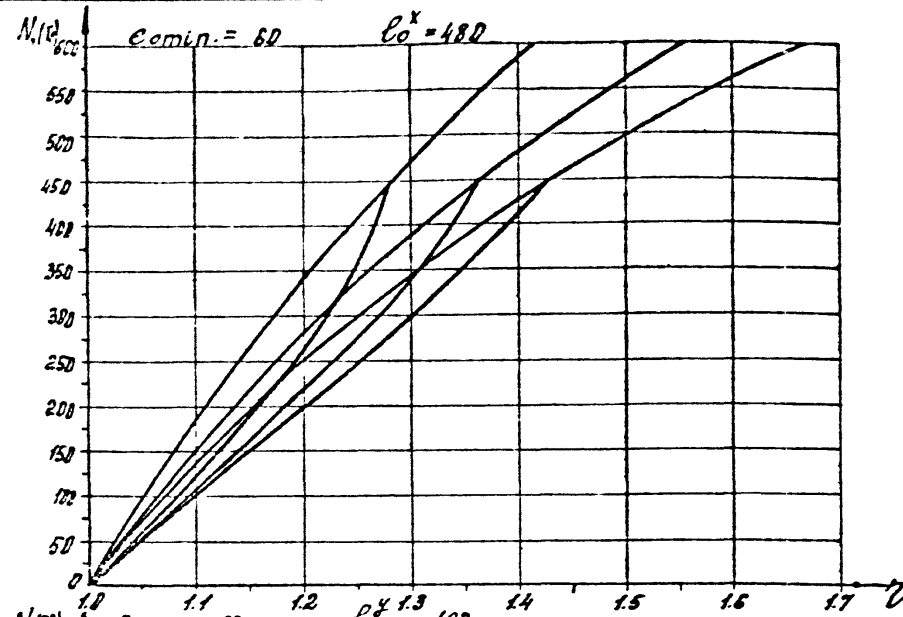


Bx. 32829 A. 127

1.020-1/87.0-5-3 175

120

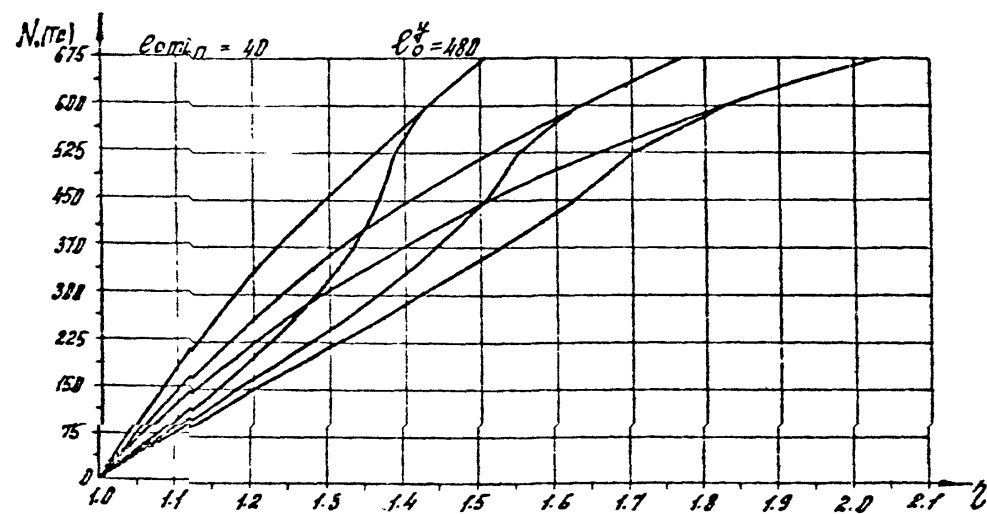
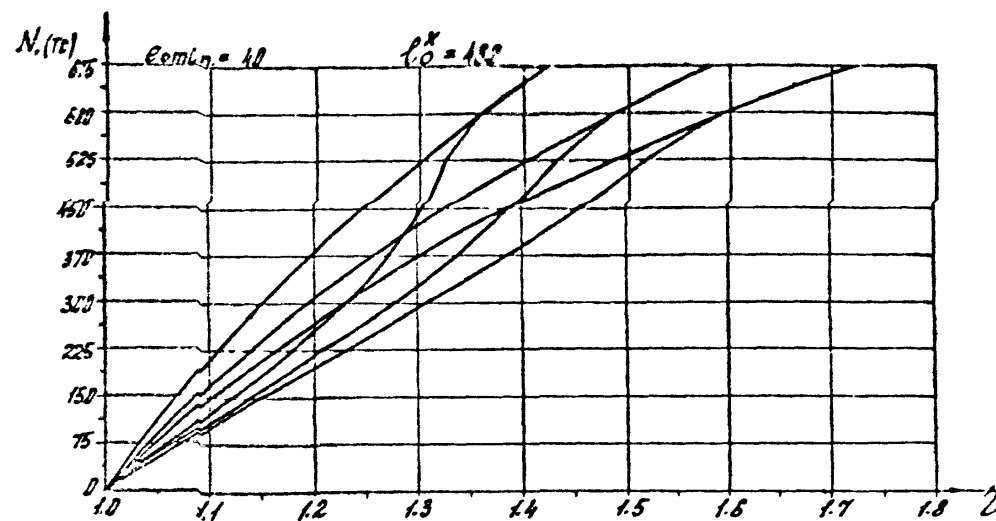




Box 32826 d. 123

1020-1/87 0-6-3173

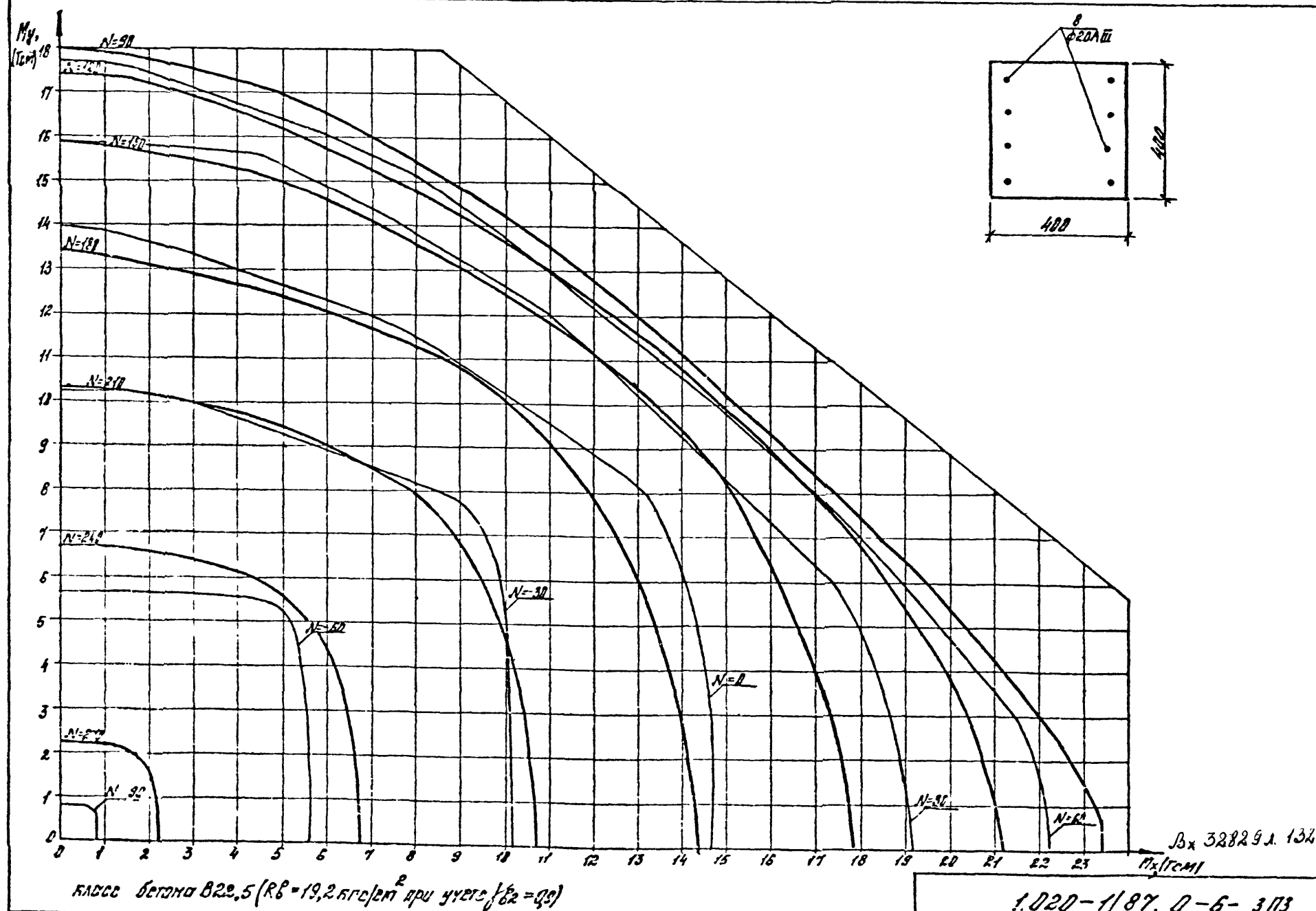
127
122

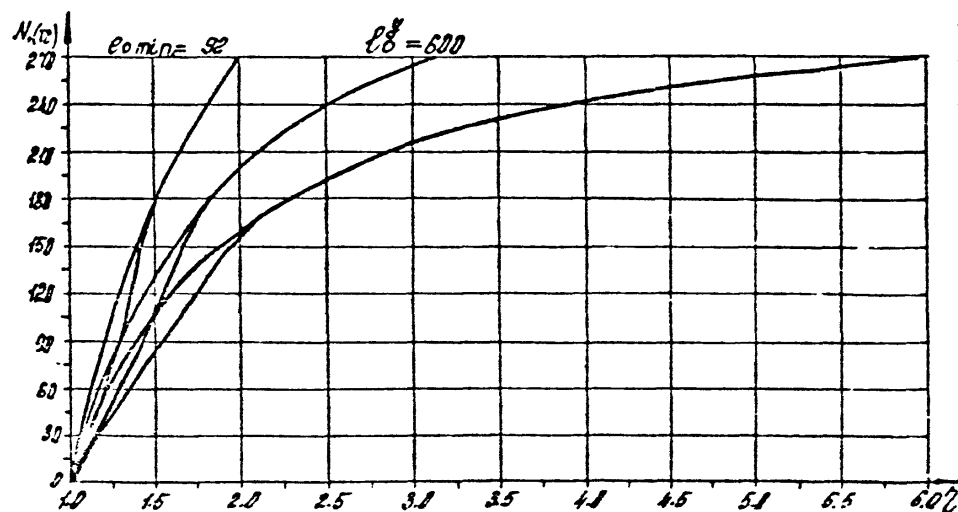
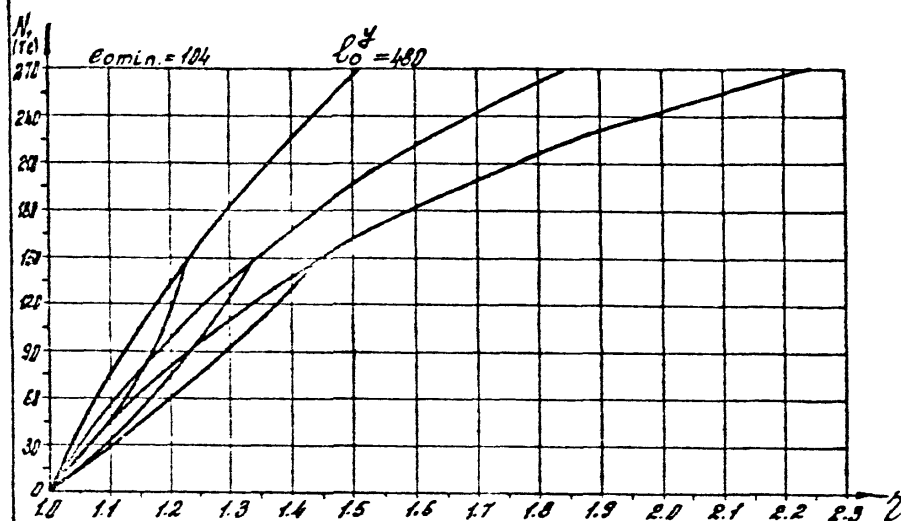
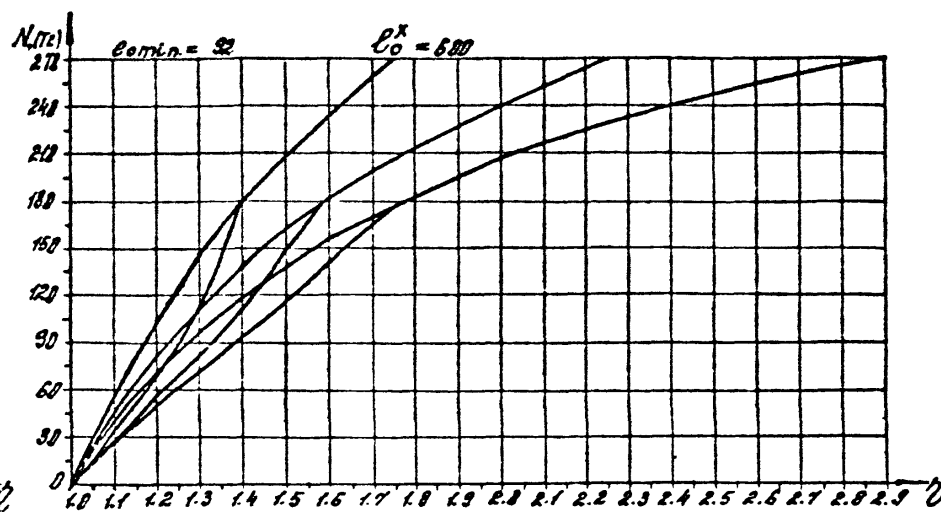
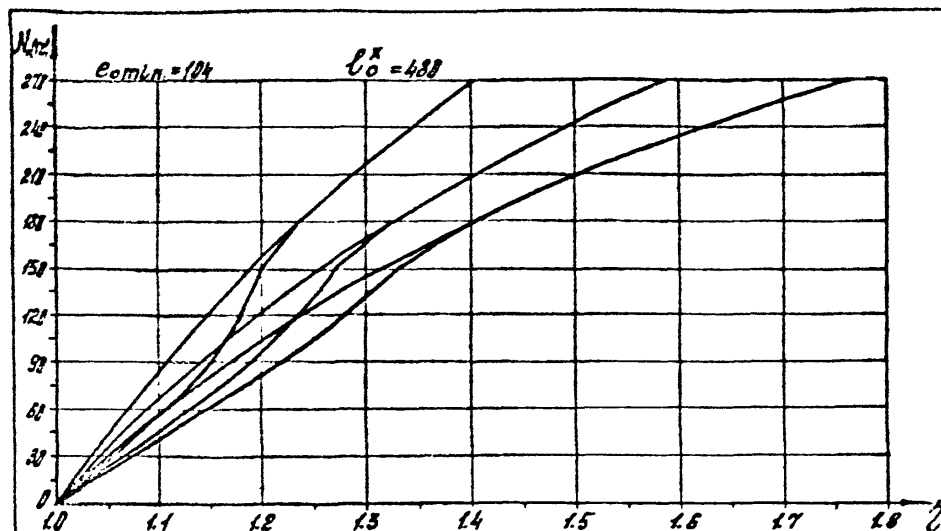


Ba. 32843 A. 131

1.020-1/87.0-5-3 173

124

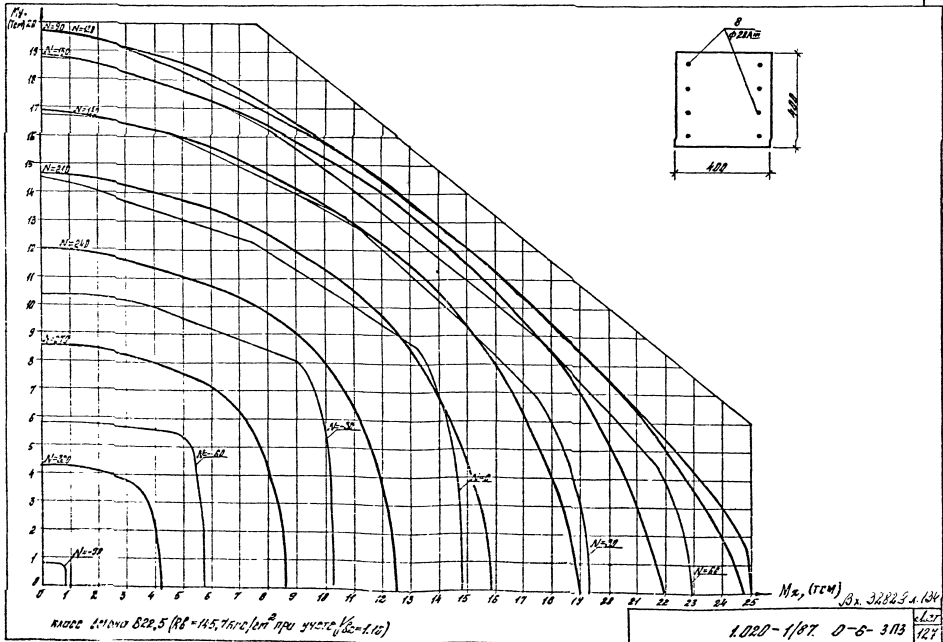


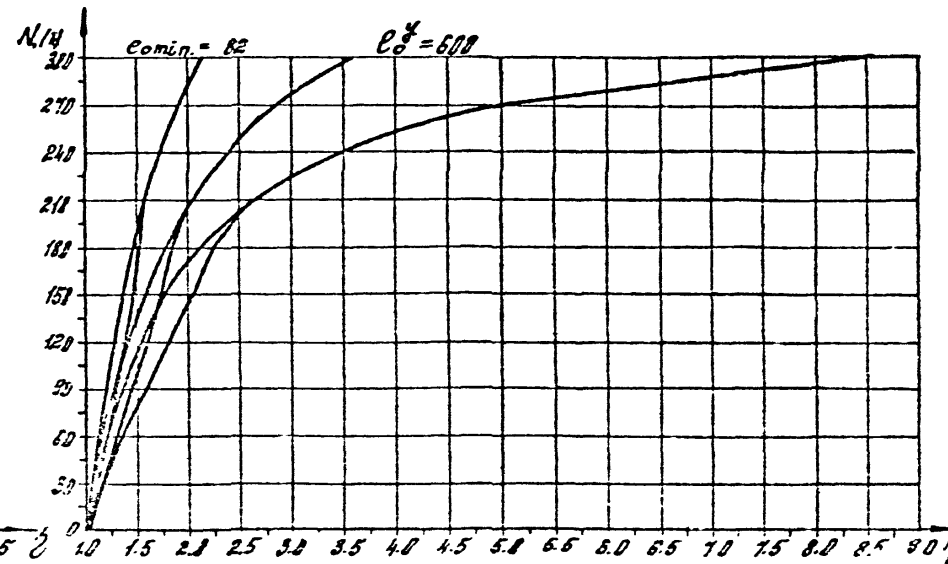
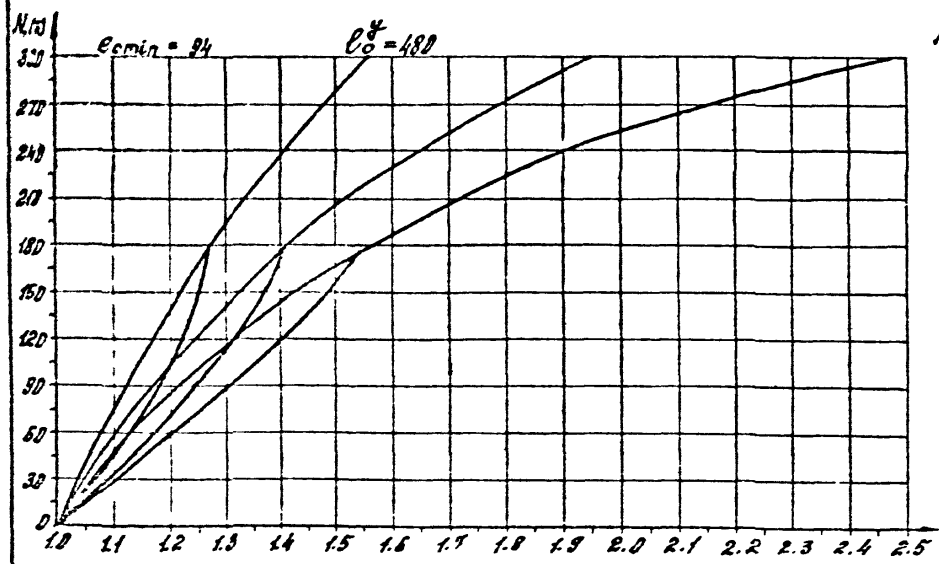
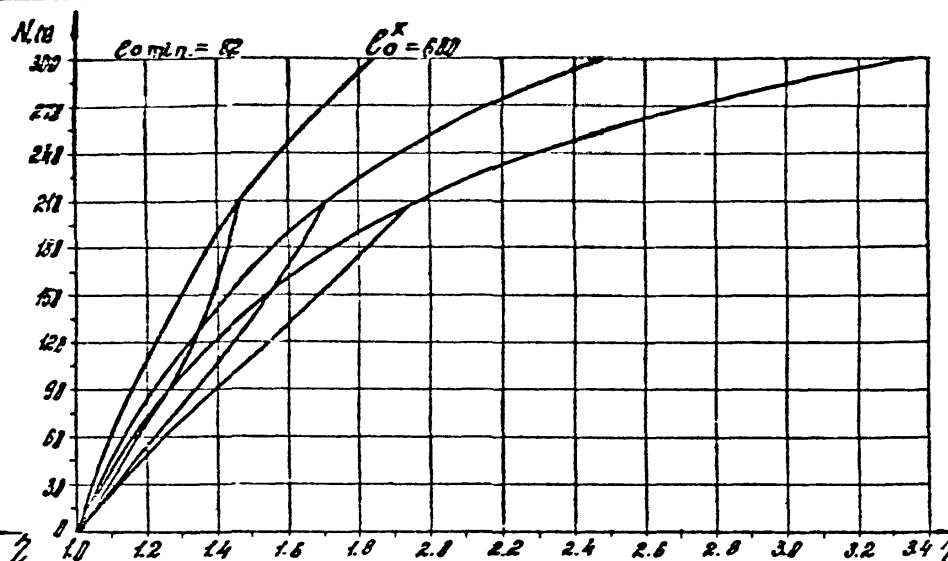
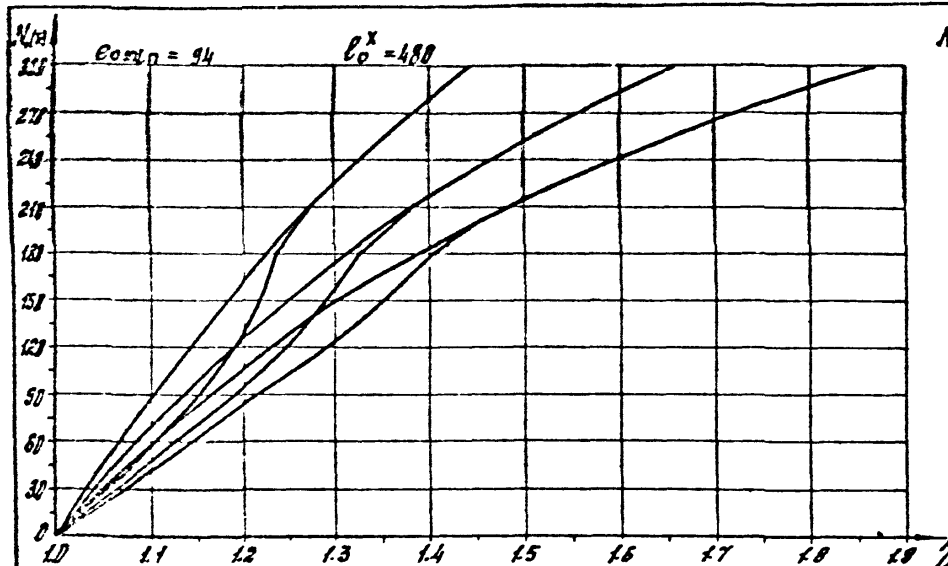


Bx. 32829.133

1.020-1/87. 0-6- 3/73

127
125

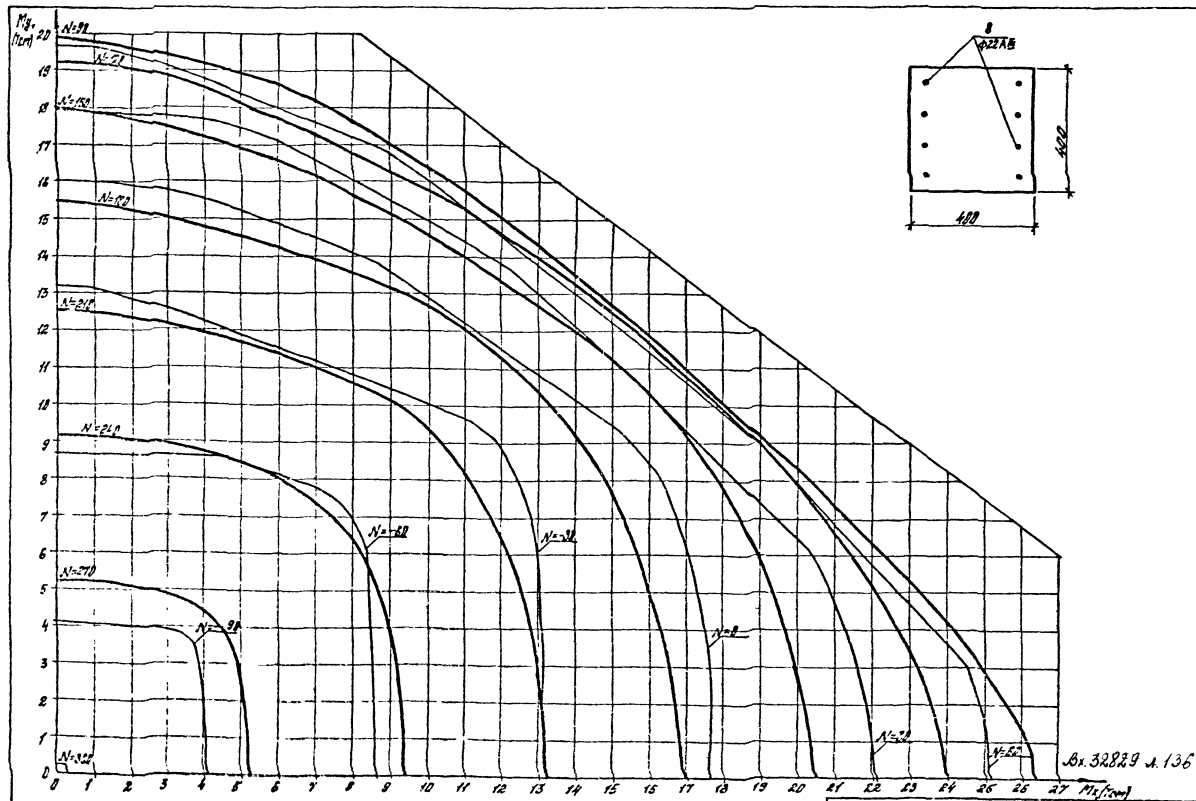




Bx. 32829, 135

1.020-1/87.0-8-3113

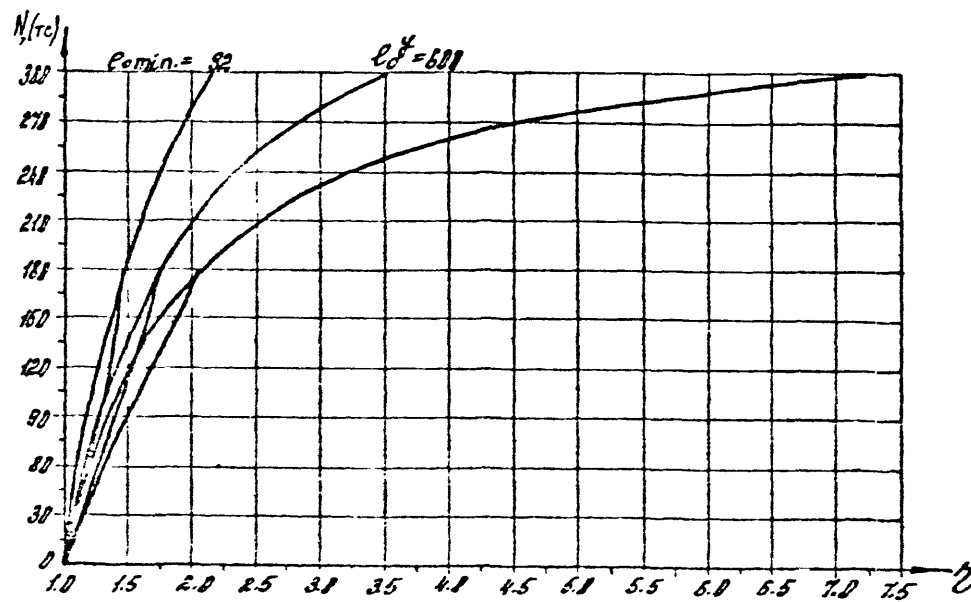
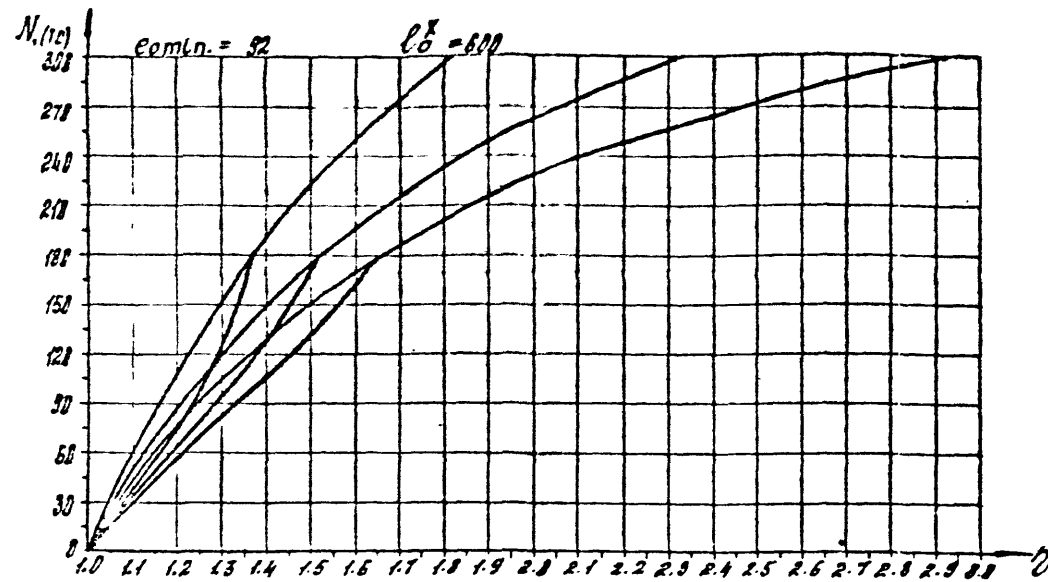
128



Класс бетона B22.5 ($R_b = 11.5 \text{ МПа}$, $R_{ct} = 11.5 \text{ МПа}$, $R_{ct} = 11.5 \text{ МПа}$, $R_{ct} = 11.5 \text{ МПа}$)

1.020-1/87.0-6-3/3

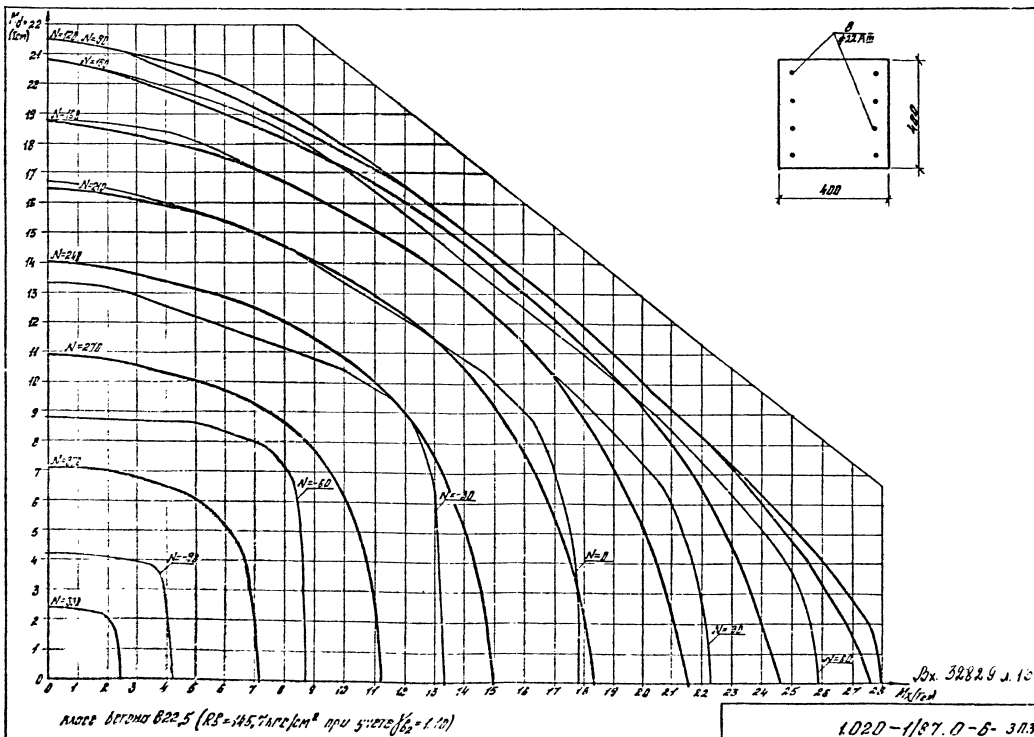
Лист
129

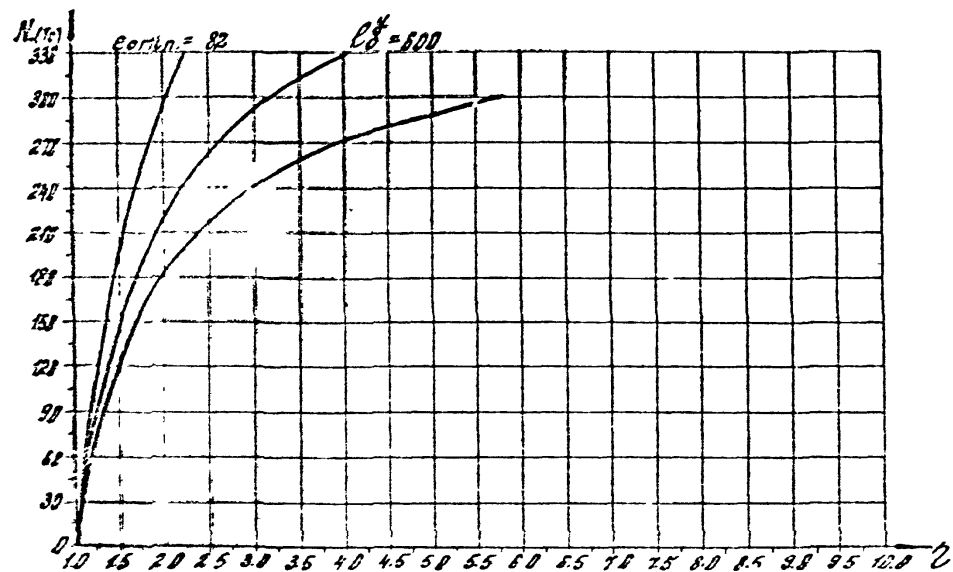
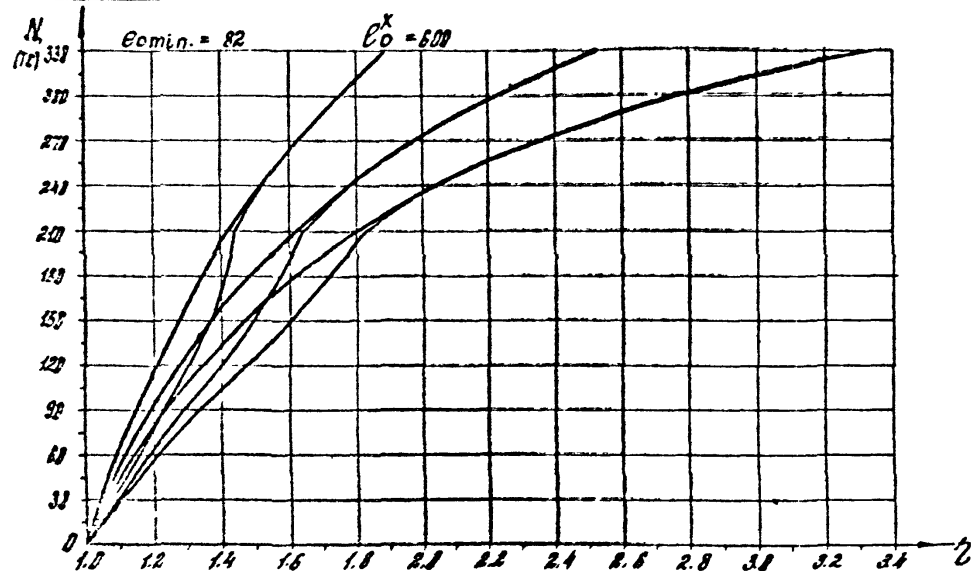


22X.52343 A.107

1020-1/27. 0-6-313

130

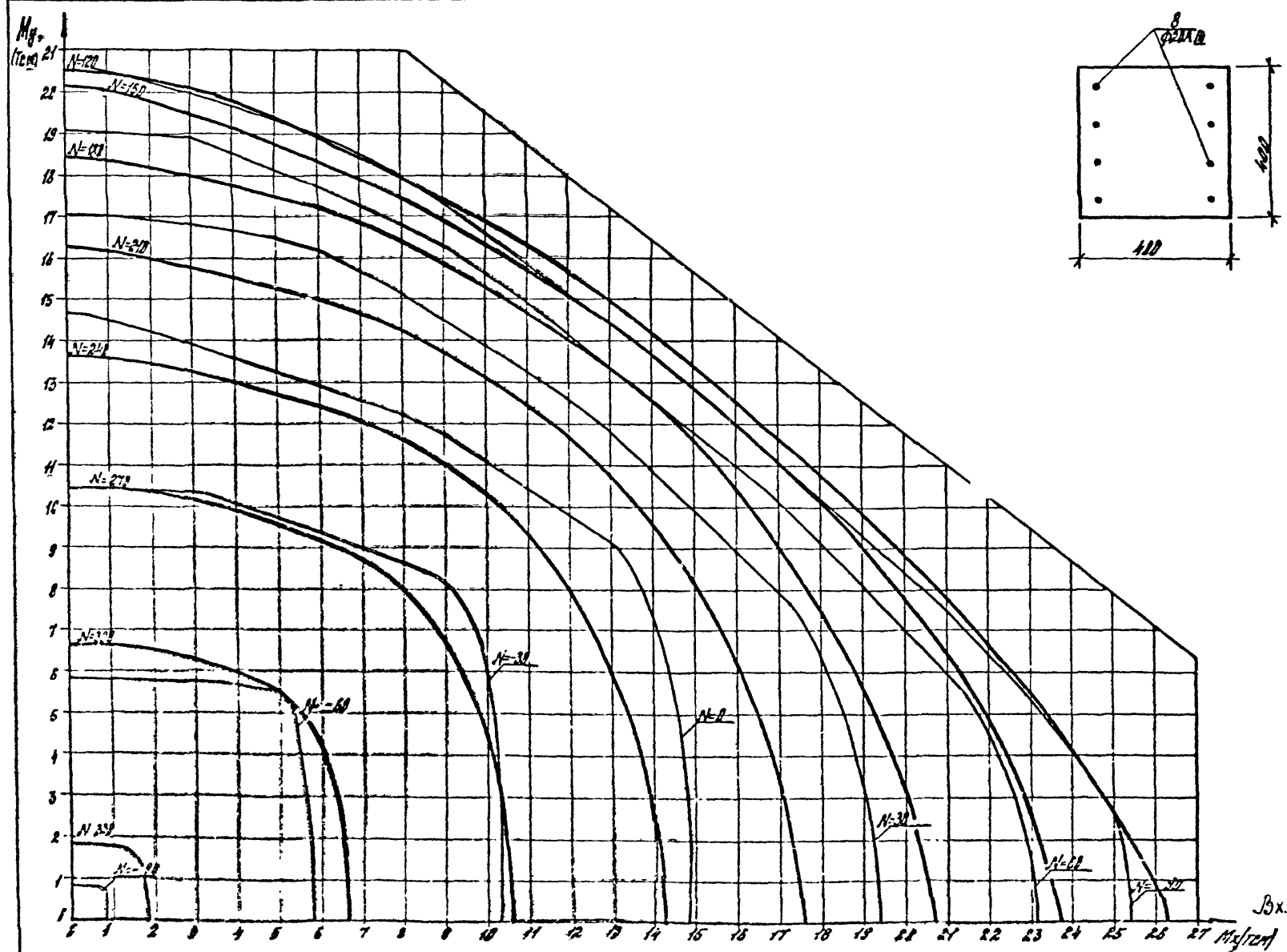




Bx. 32829 A. 139

1.020-1/87. 0-6- 303

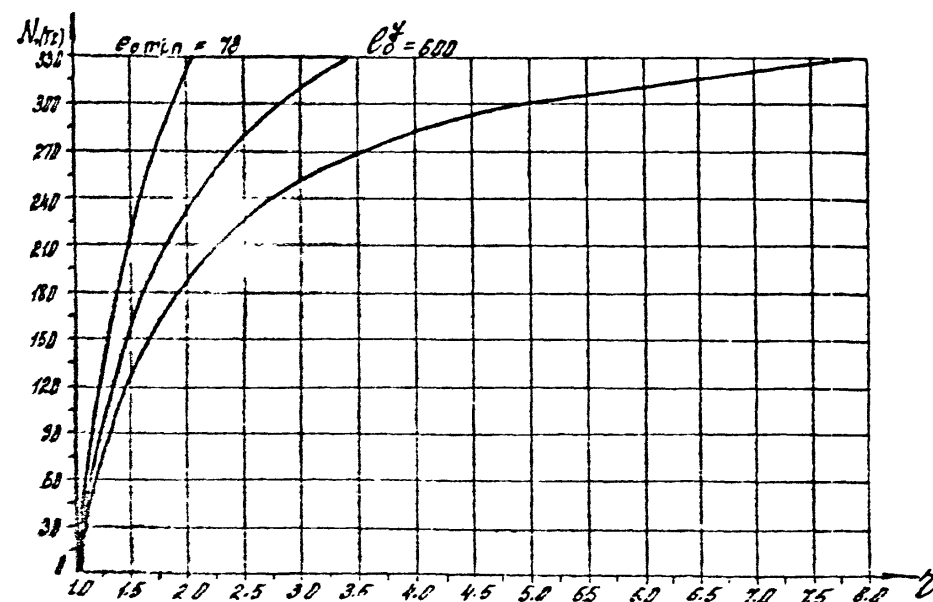
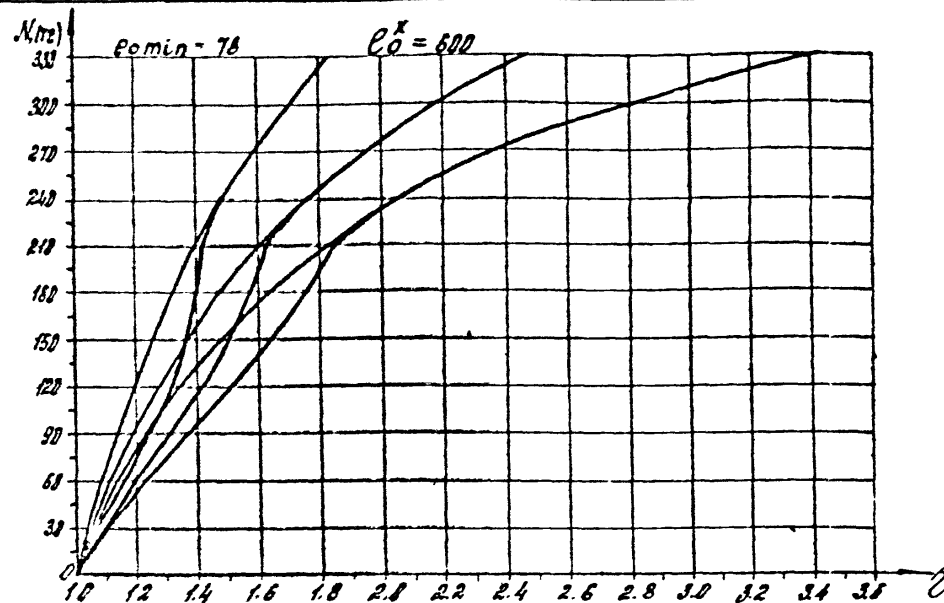
132



Вх. 32829 А. 140

РАСЧЕТ СЕКЦИИ БЗД (R_B = 155.7 т/см² при $\mu_{\text{норм}} = 0.01$)

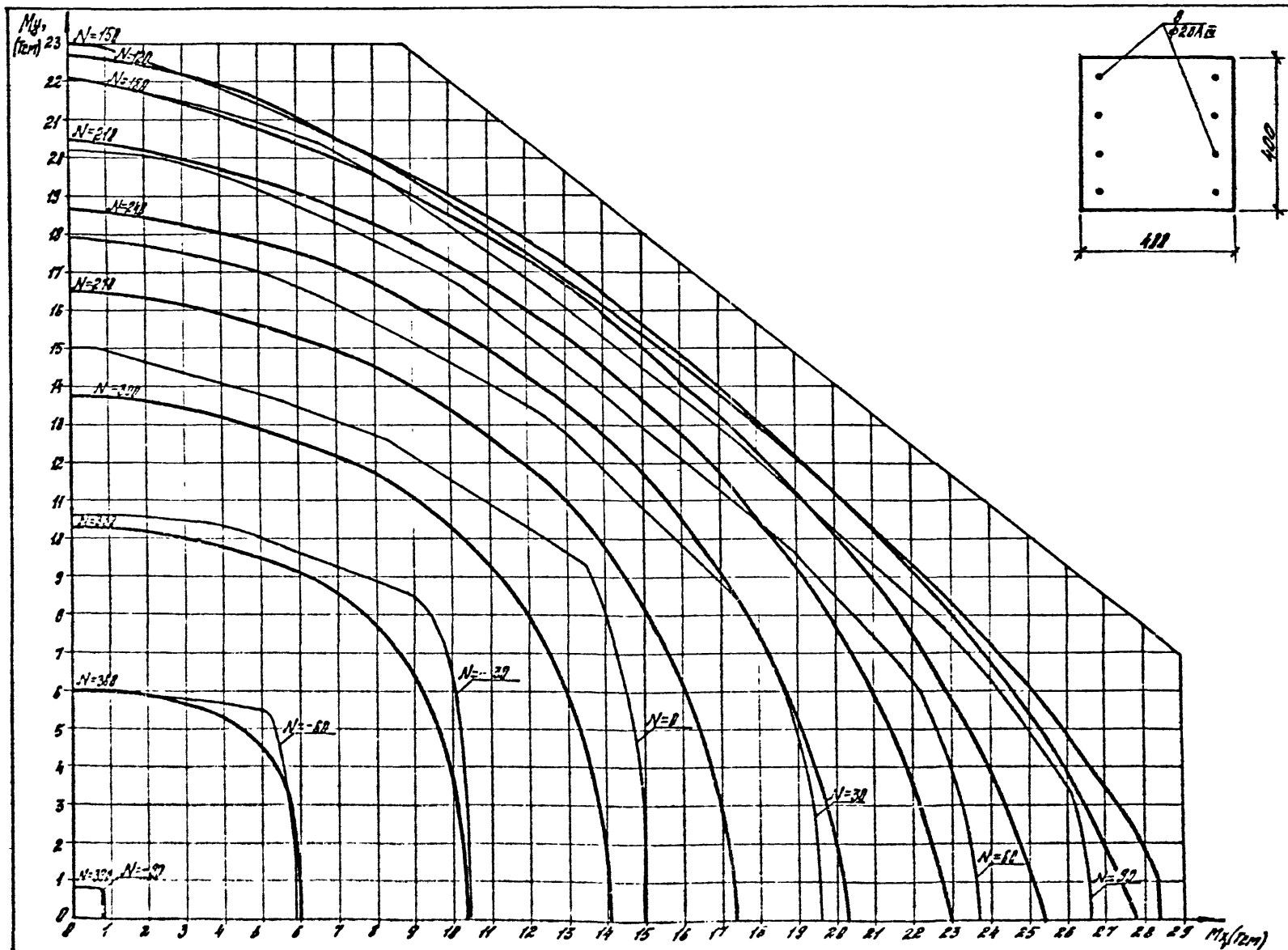
1.020-1/87.0-6-313



Ex. 3.282 & A. 141

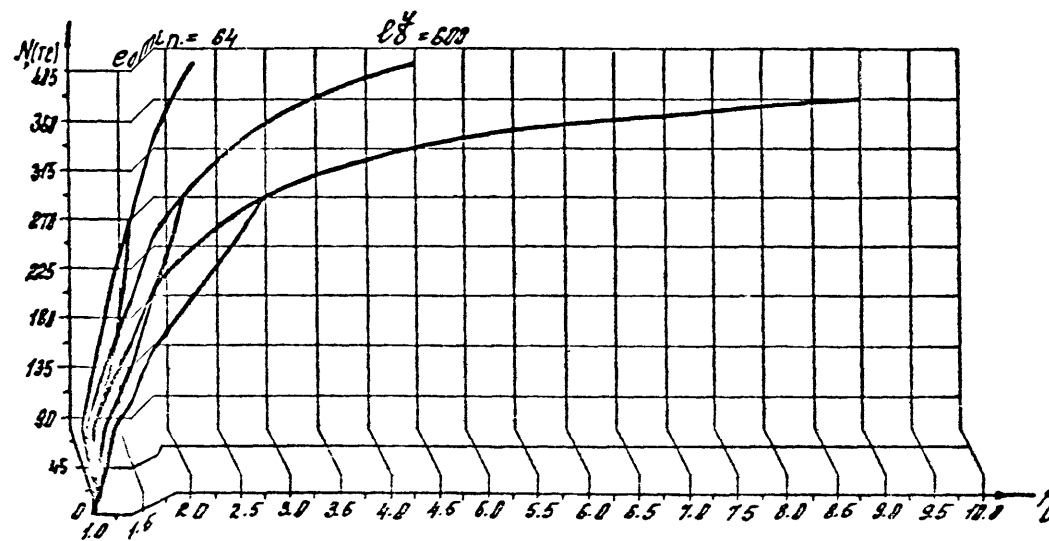
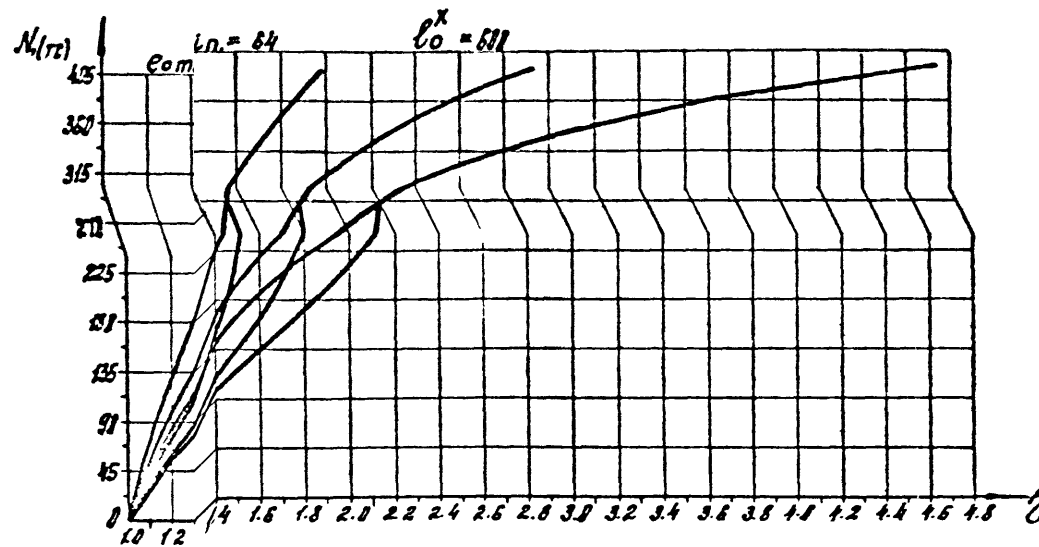
1.020-1/87. D-6-373

1.02
139



κλάση βετόνου B30 ($R_b = 192.3 \text{ kg/cm}^2$) πυκνότητα ($\beta = 1.10$)

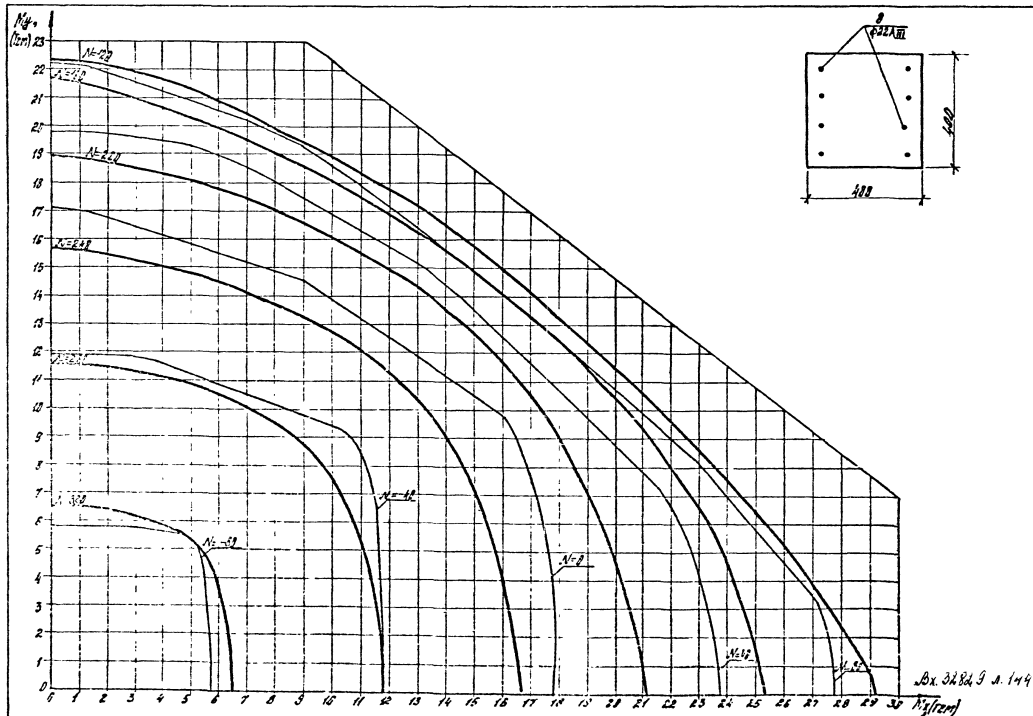
Βλ. 32829 Α.142



Bl. 32829 A. 143

1.020-1/87. 0-6-3 113

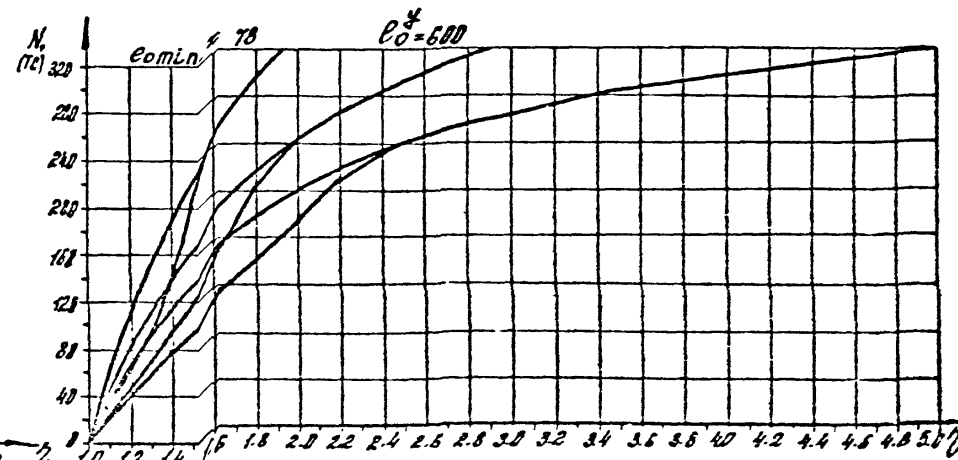
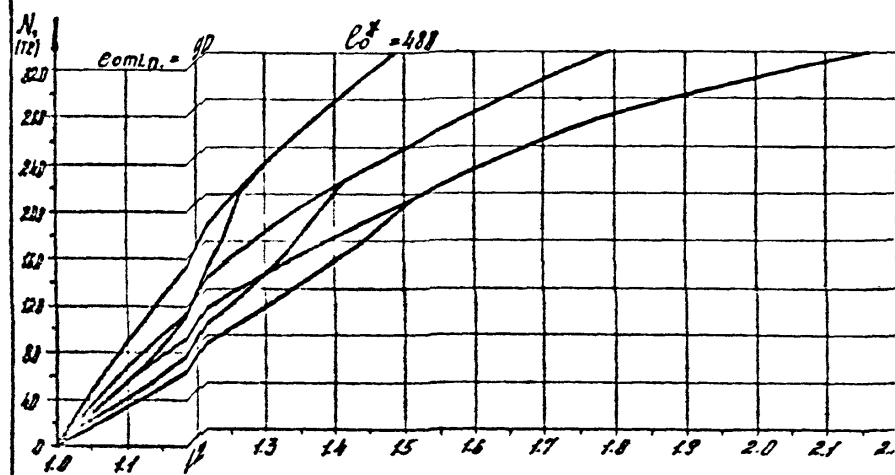
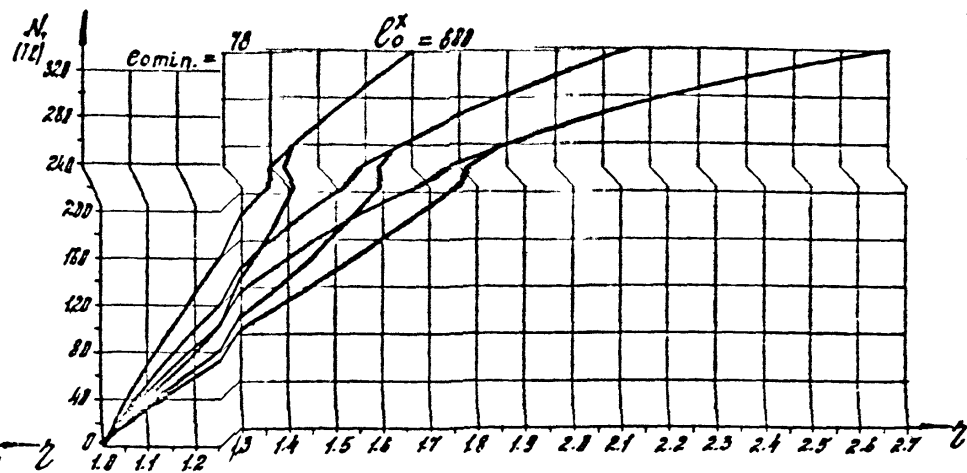
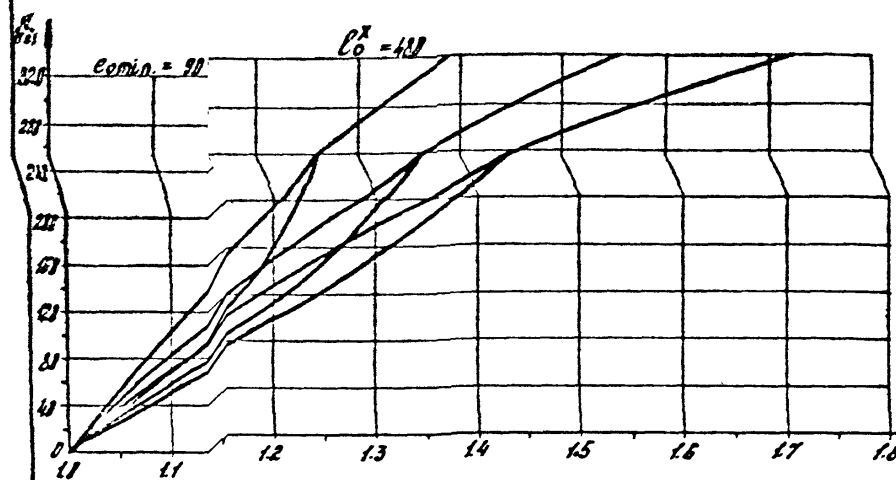
136



класс бетона B30 ($R_b = 155.7 \text{ МПа/см}^2$ при учете $\gamma_{R2} = 0.9$)

1.020. - 1/87. 0-6-3/13

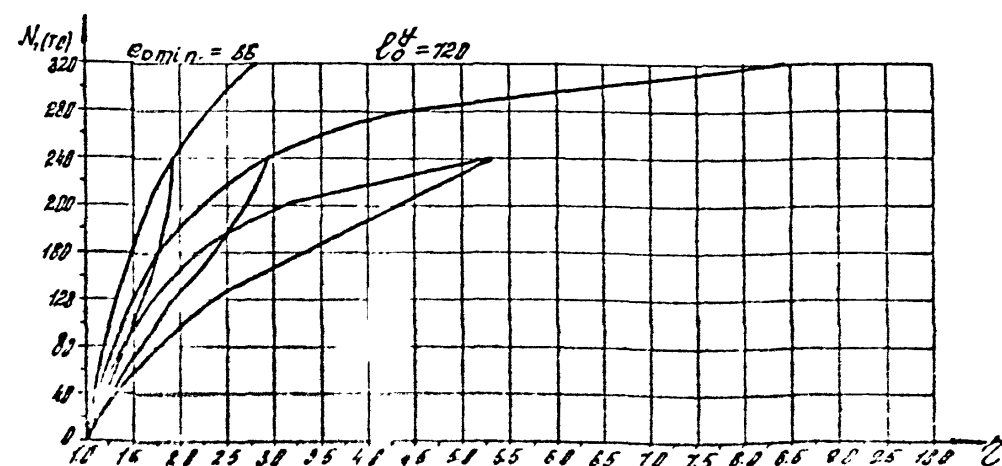
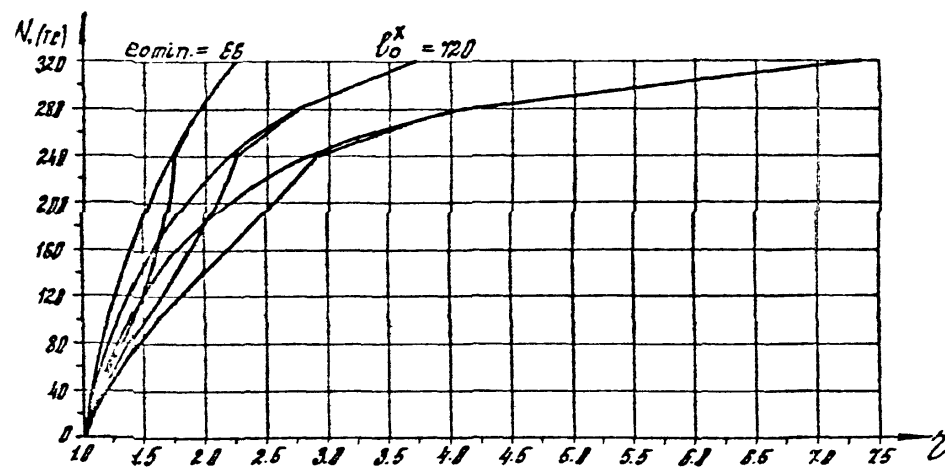
129



Jdx 32829 1.145

1020-1/87. 0-5- 3 113

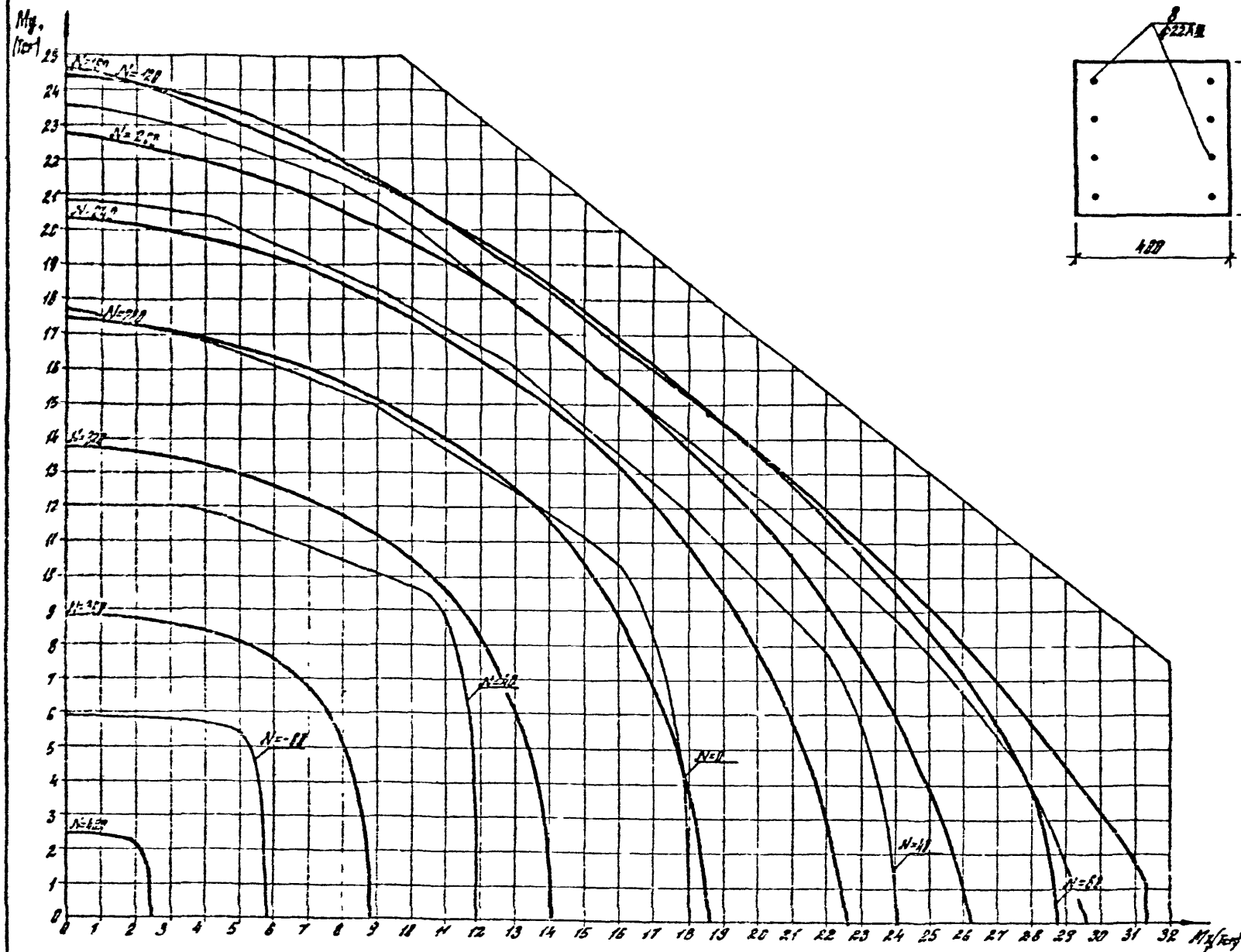
Jdx
138



Bx. 32829 A. 146

1020-1/87. 0-6-3 173

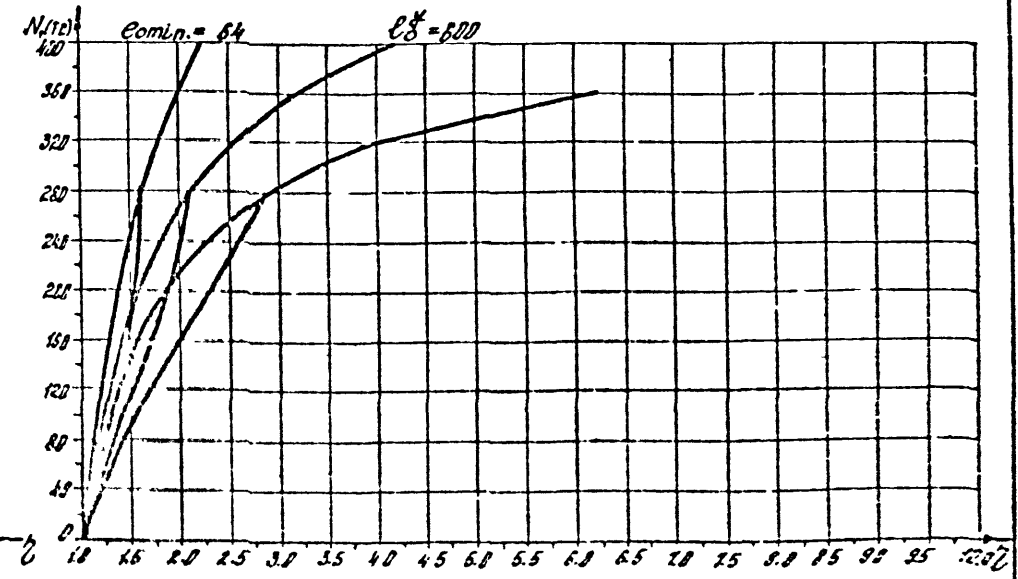
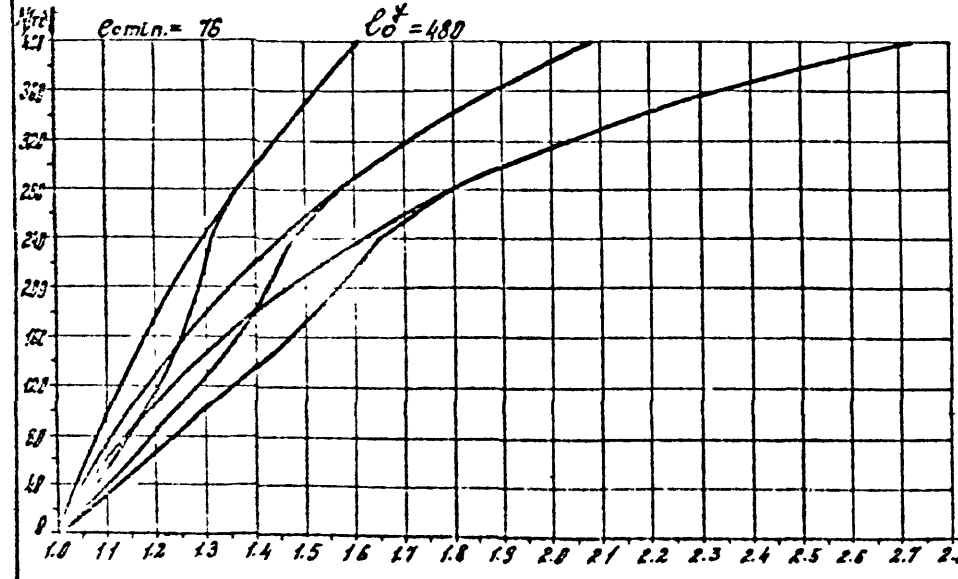
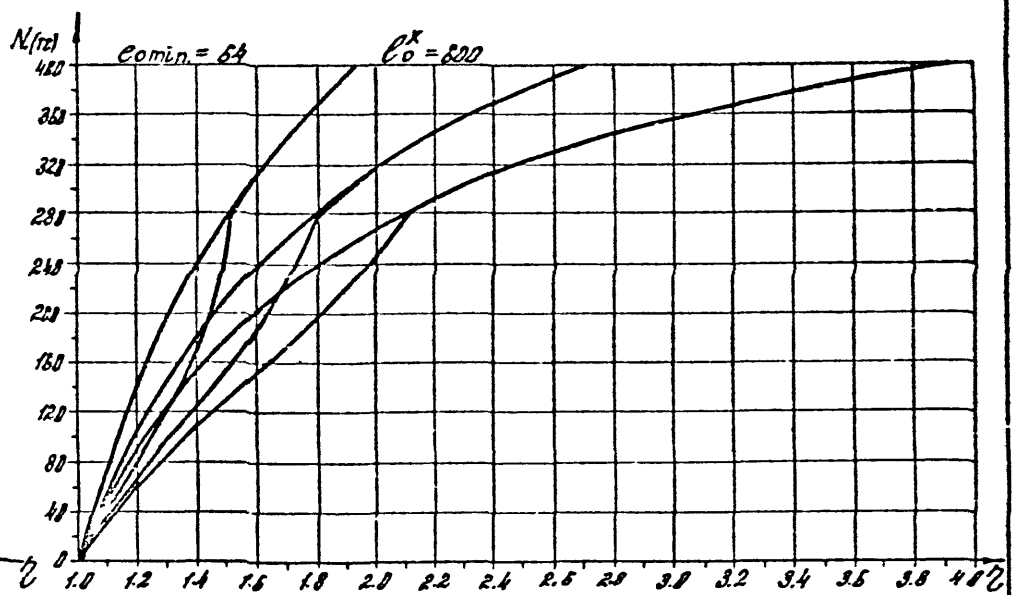
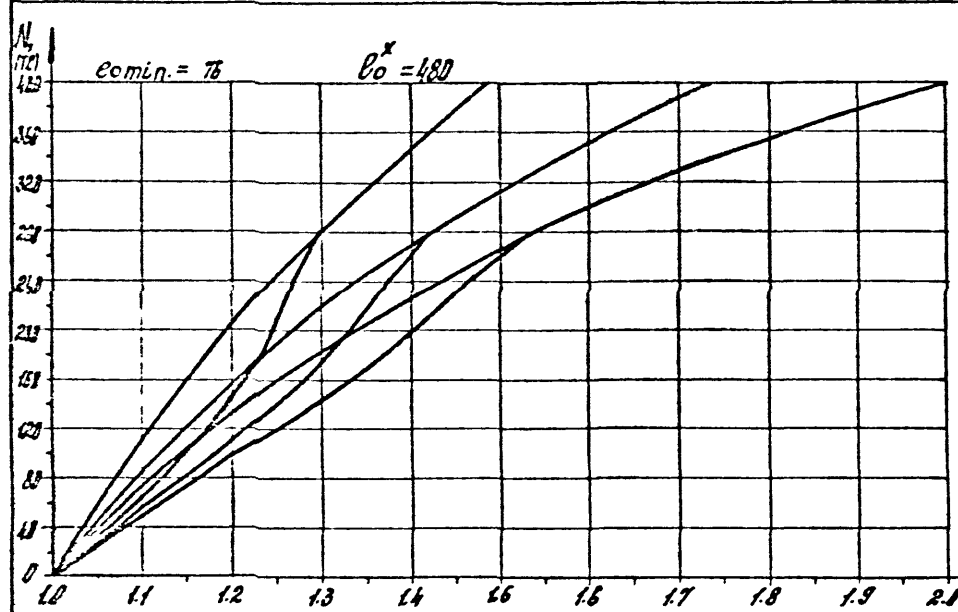
clerk
139



класс бетона B30 ($R_b = 130.3 \text{ МПа/см}^2$ при учете ($\gamma_{Rd} = 1.10$))

1020-1/87.0-6-373

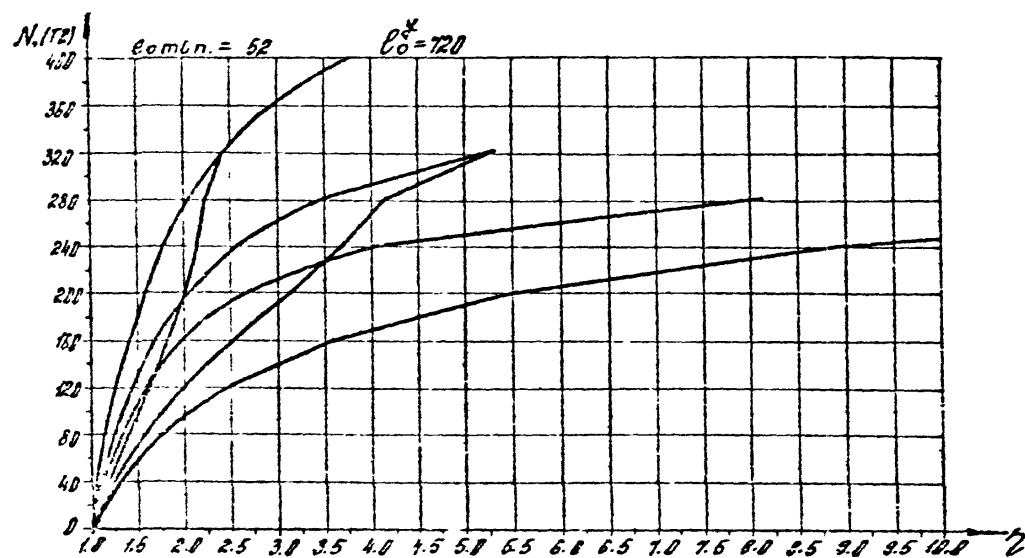
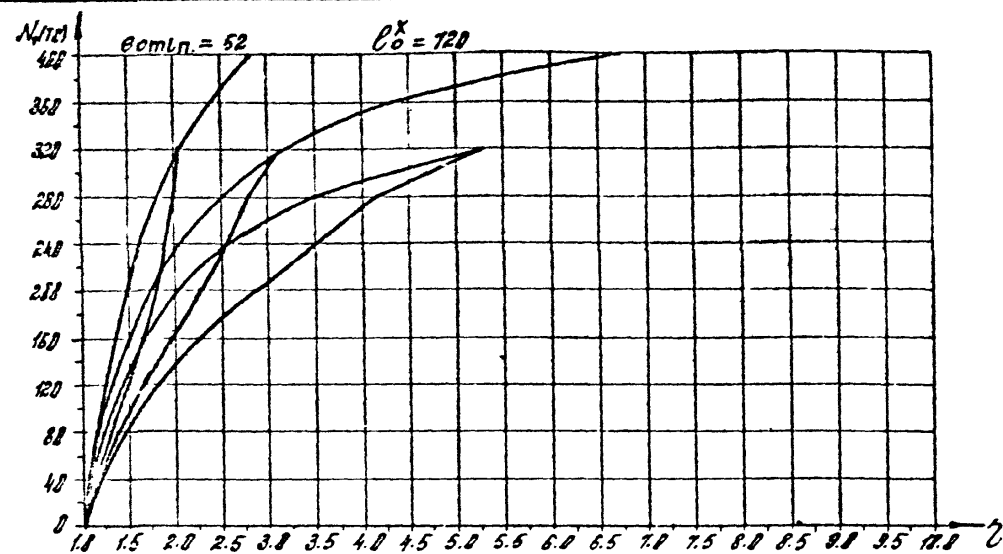
1/22
110



Bx. 32829 A. 148

1.020-1/87.0-6-3173

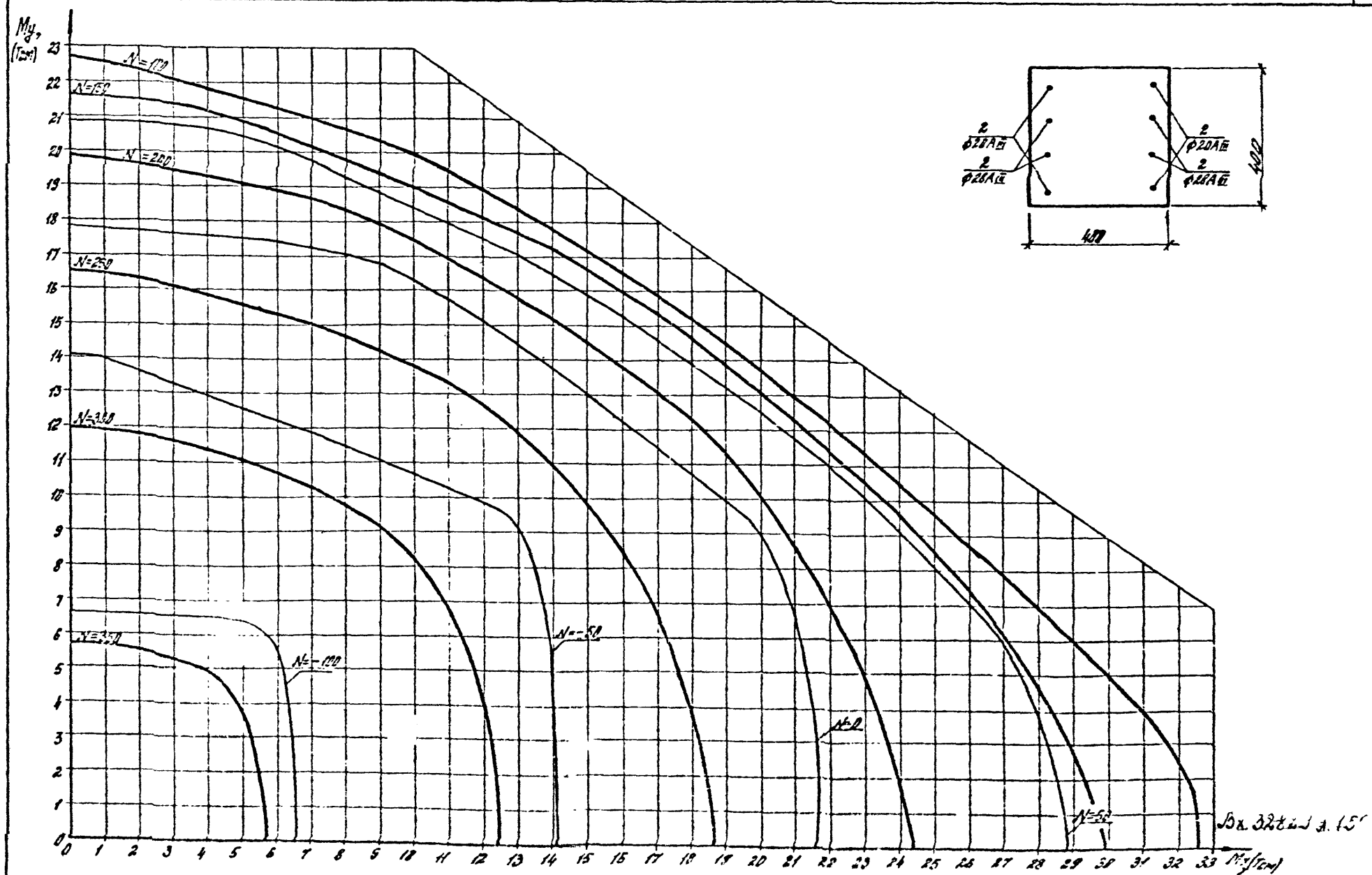
141



Box 248 L.S. 1. 143

1020-1/87. 0-6-3113

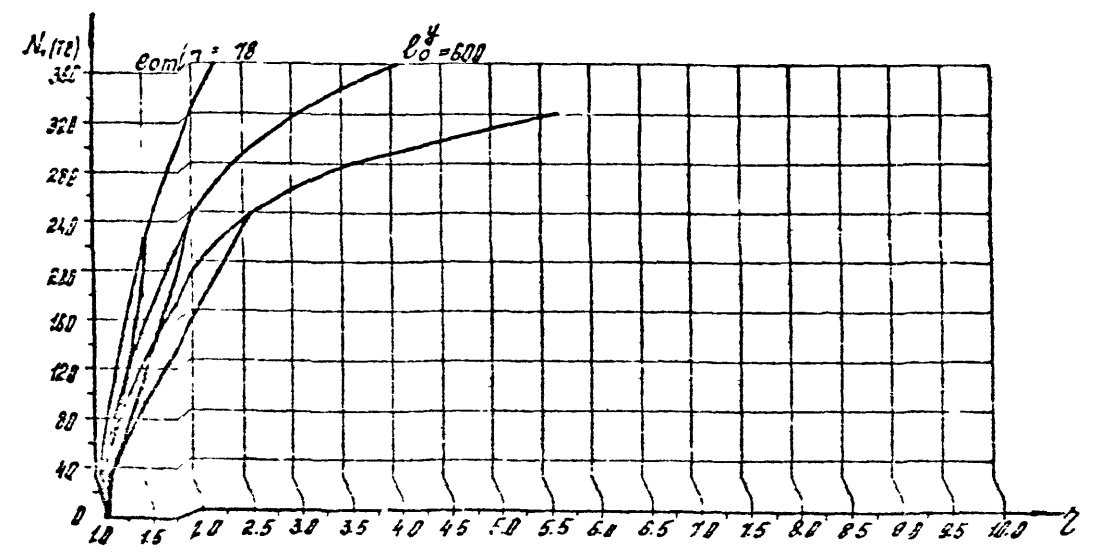
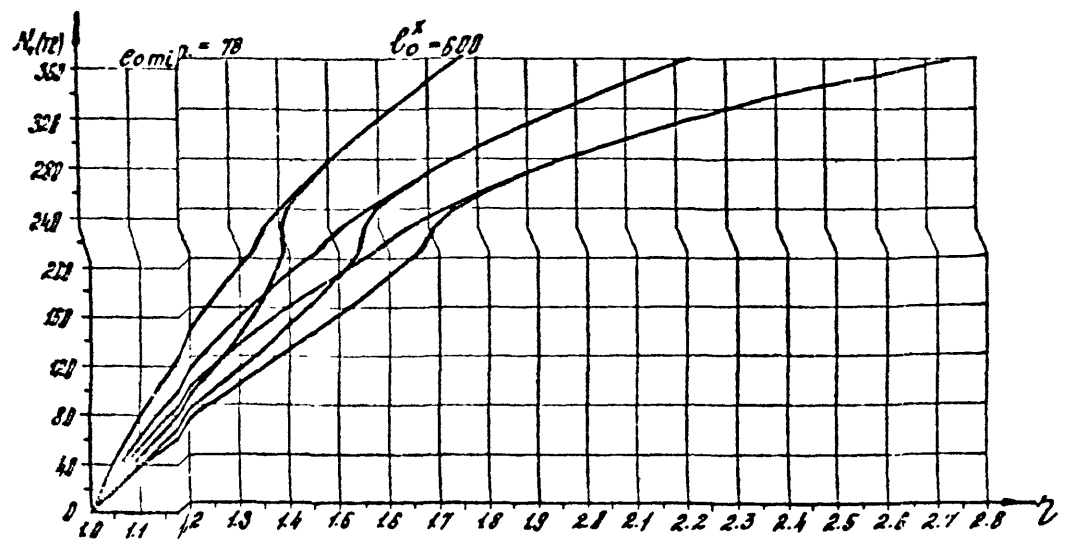
142



РАССЕЧЕНИЕ Б30 ($R_b = 155,76 \text{ T/cm}^2$ при $\sigma_{st} = 0.9$)

1.020-1/87.0-6-3 ПЗ

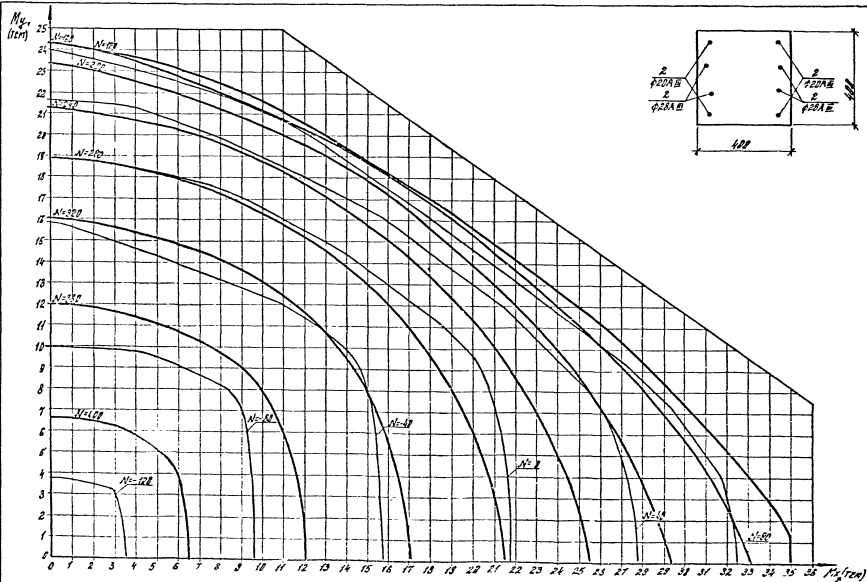
Лист
143



Box 38829 A. 151

1020-1/87.0-8- 3 173

144

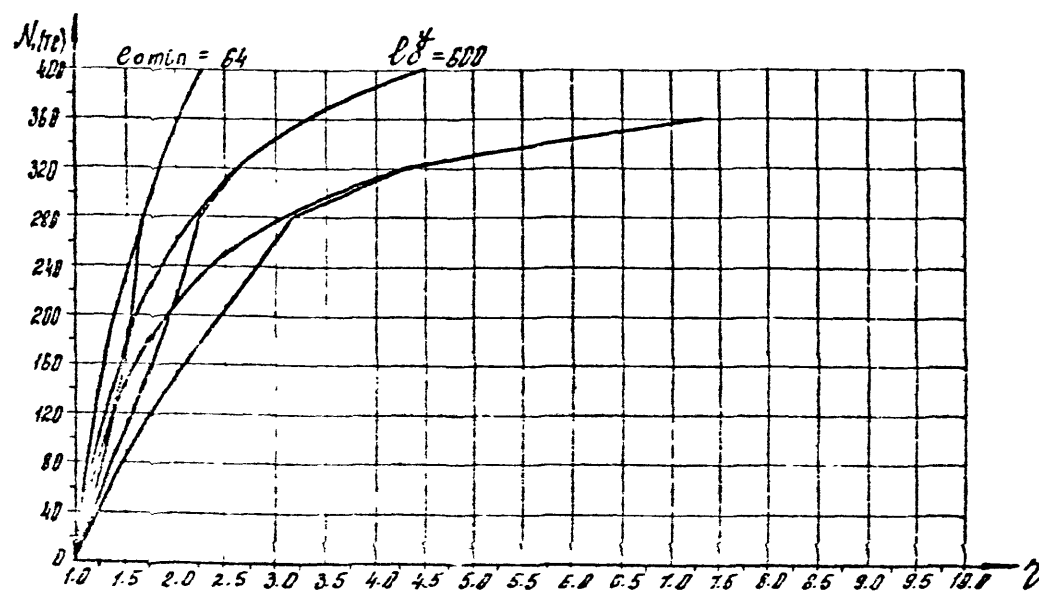
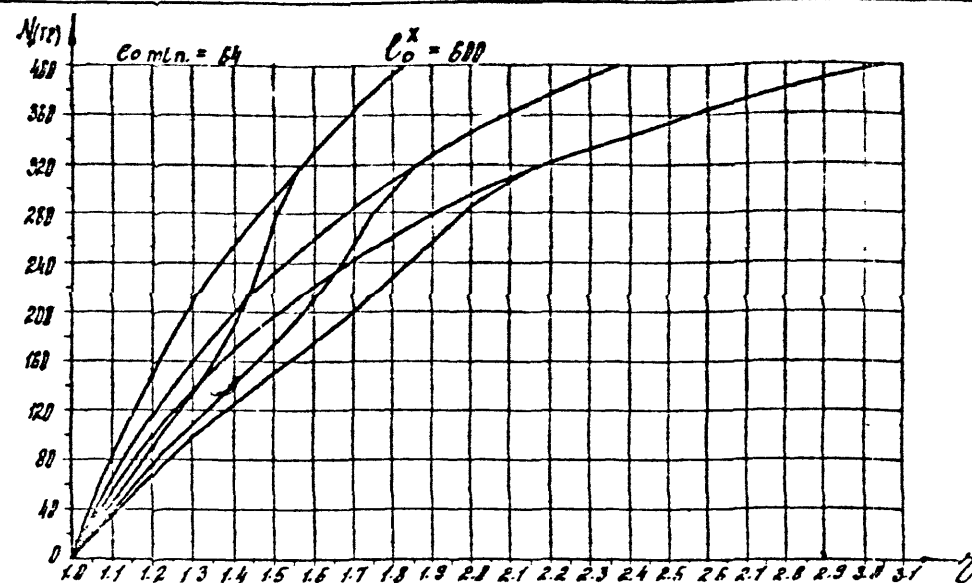


Курсовая работа (КБ = 100.0 кН/м² при $\gamma_c = 1.10$)

Вс. 3282.9 д. 152

1020-1/87.0-6-3/13

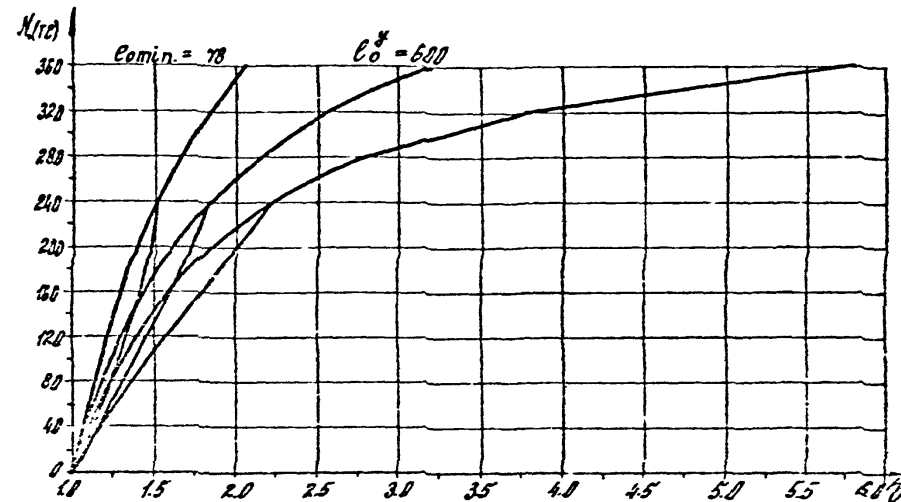
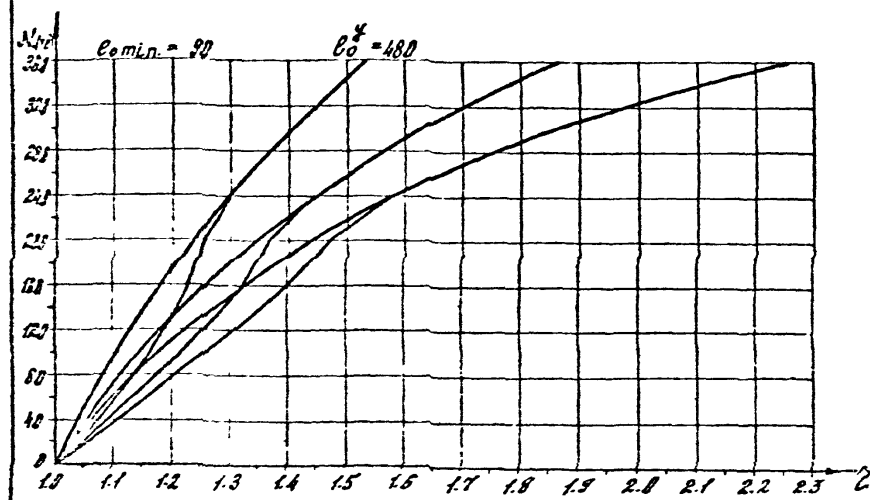
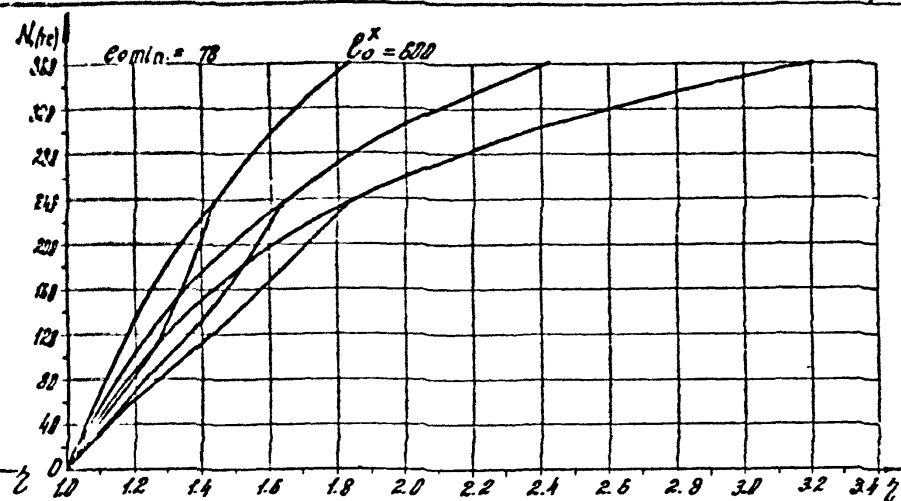
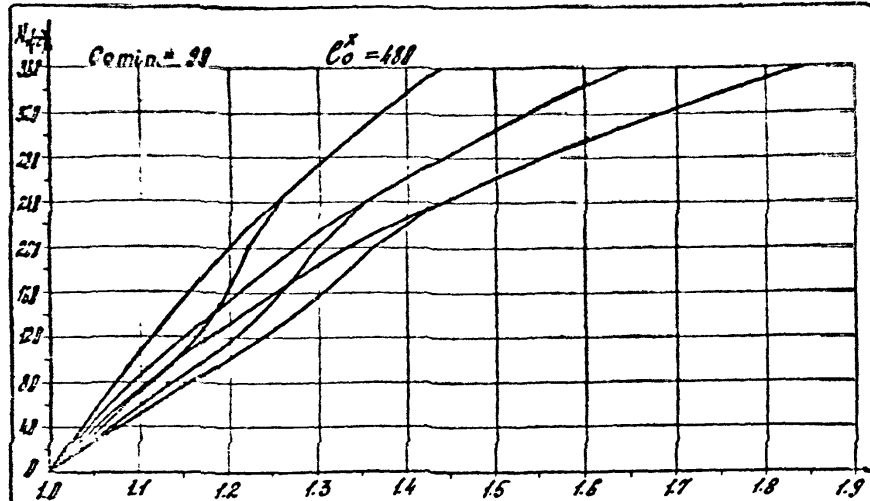
1/15



Box 35829 J. 153

1.020-1/87.0-6-3 173

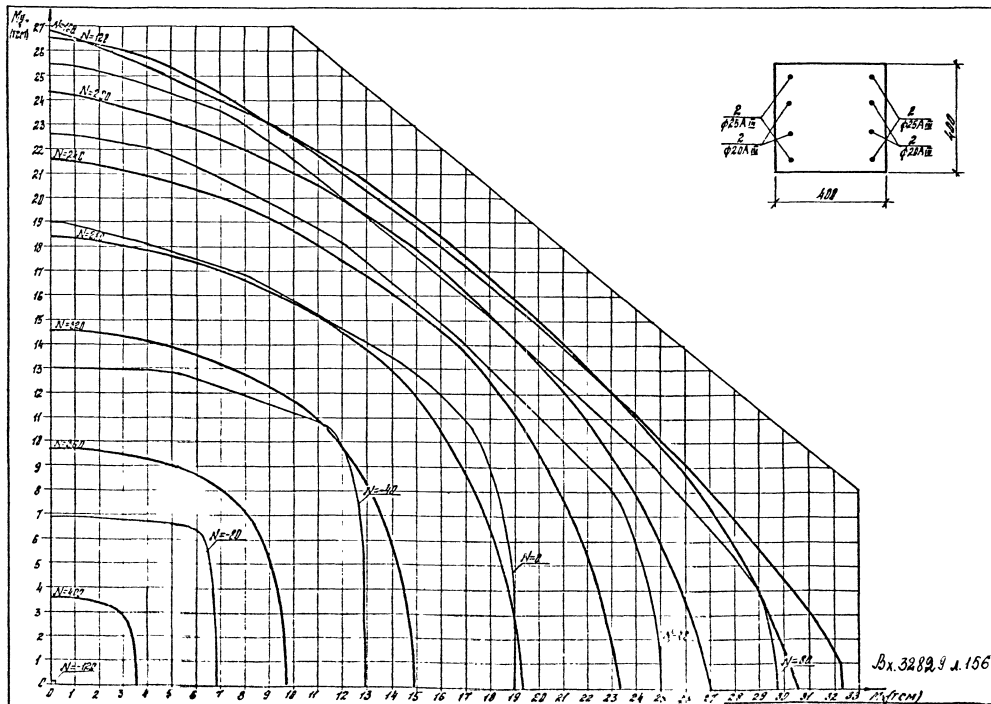
class
146



Box 32829 A.155

1020-1/87. 9-5-3 113

Sheet
148

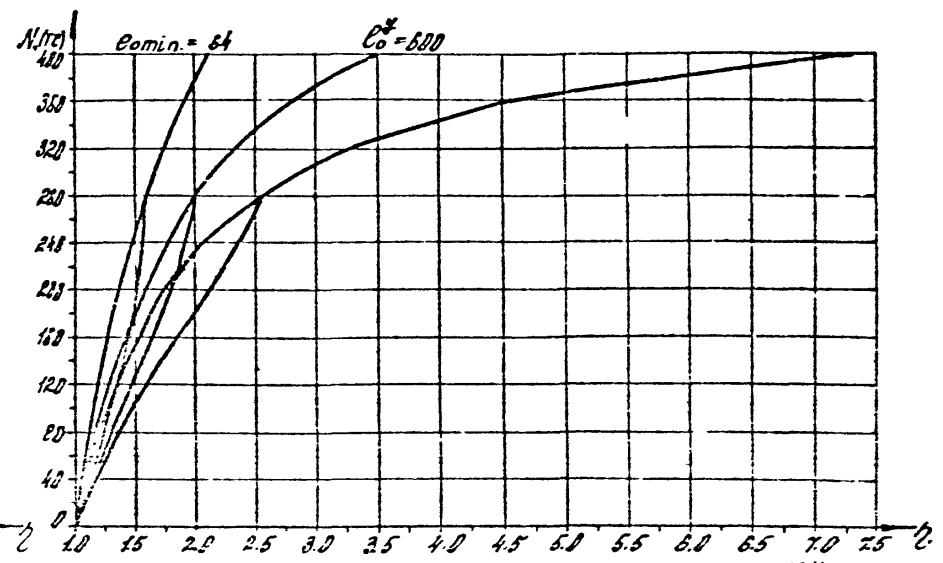
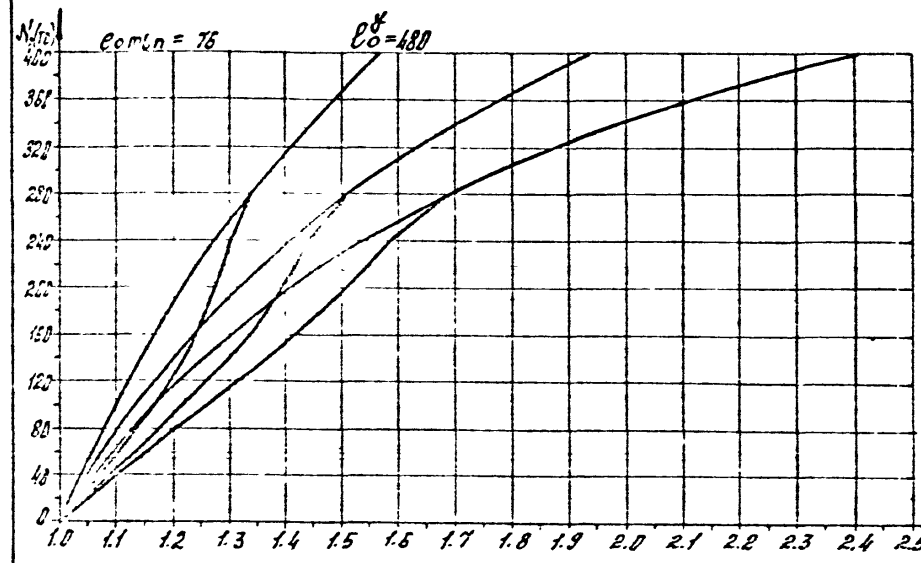
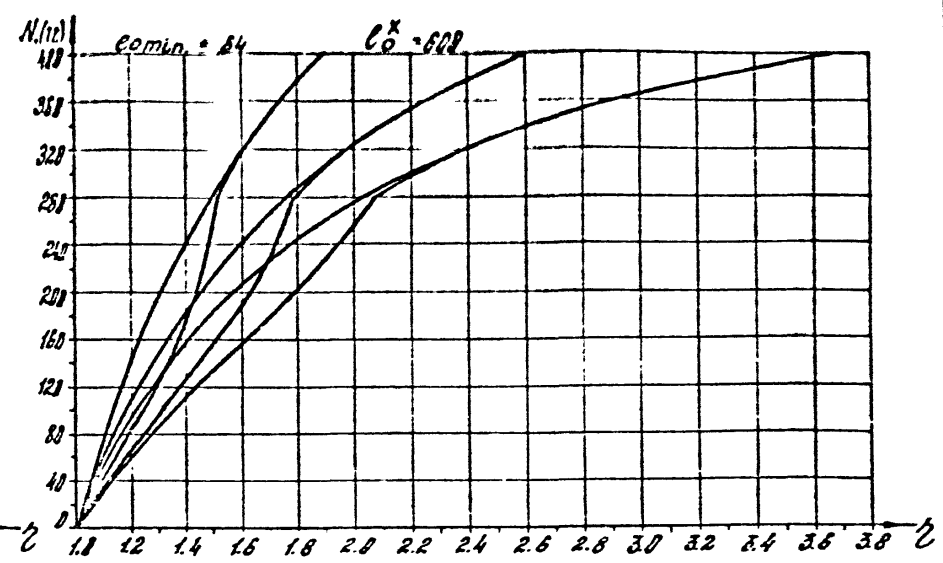
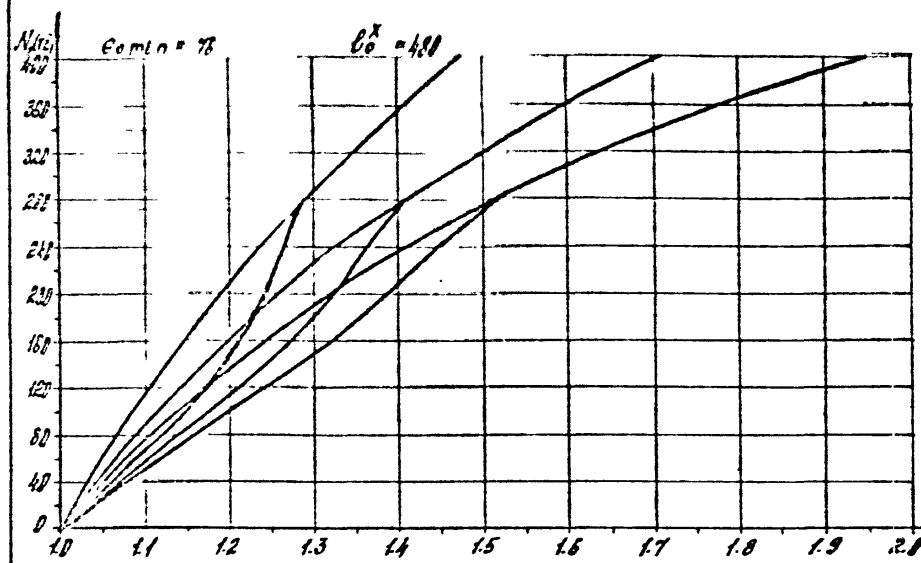


Бх.3282.9 а.156

масса бетона B_{10} ($R_b = 120.3 \text{ кгс/см}^2$ при $\gamma_{b2} = 1.10$)

1020-1/87. 0-6-3/13

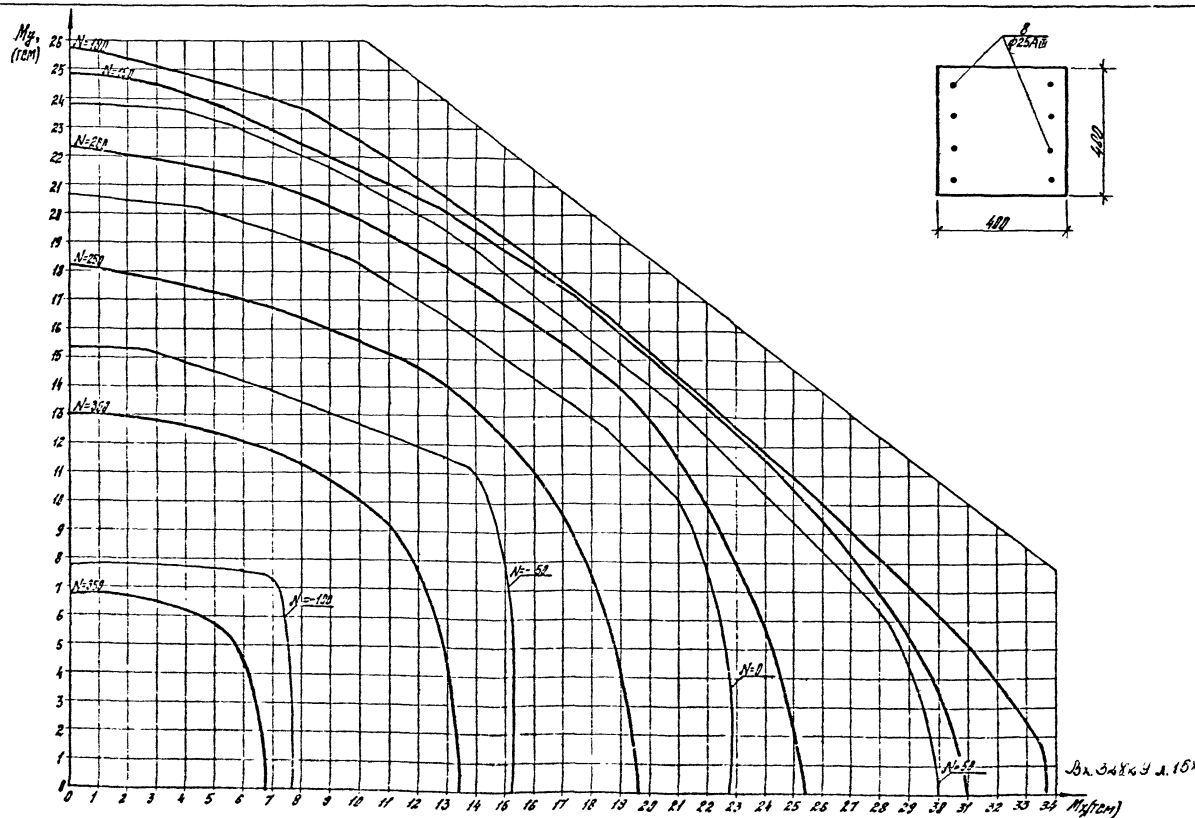
143



$B_x 32829 \text{ u. } 157$

1020-1/37. 0-6- 3 113

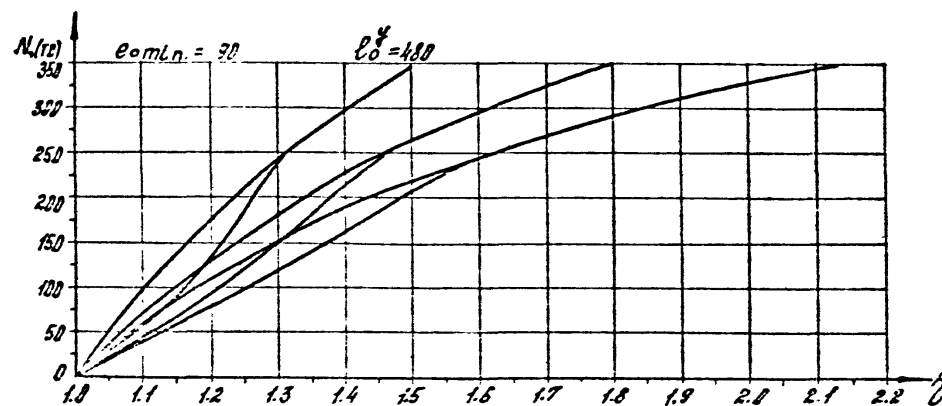
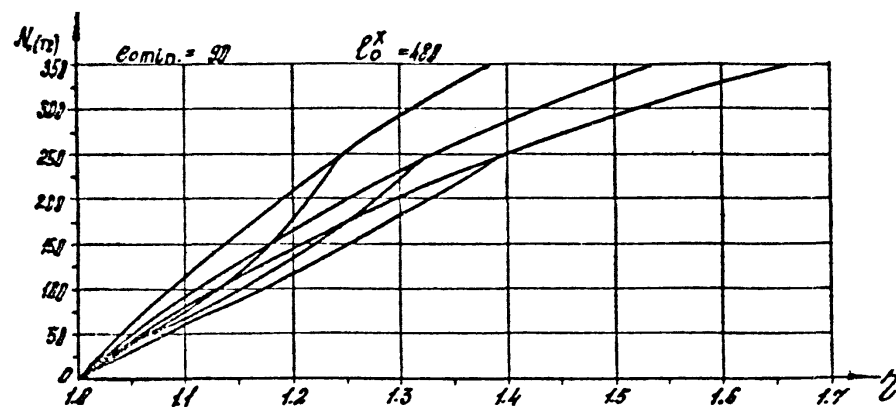
150



РАДІО СЕРІЯ 830 ($P_0 = 155 \text{ Вт/м}^2$ при $\gamma_{02} = 90^\circ$)

1020-1/87. 0-6-3179

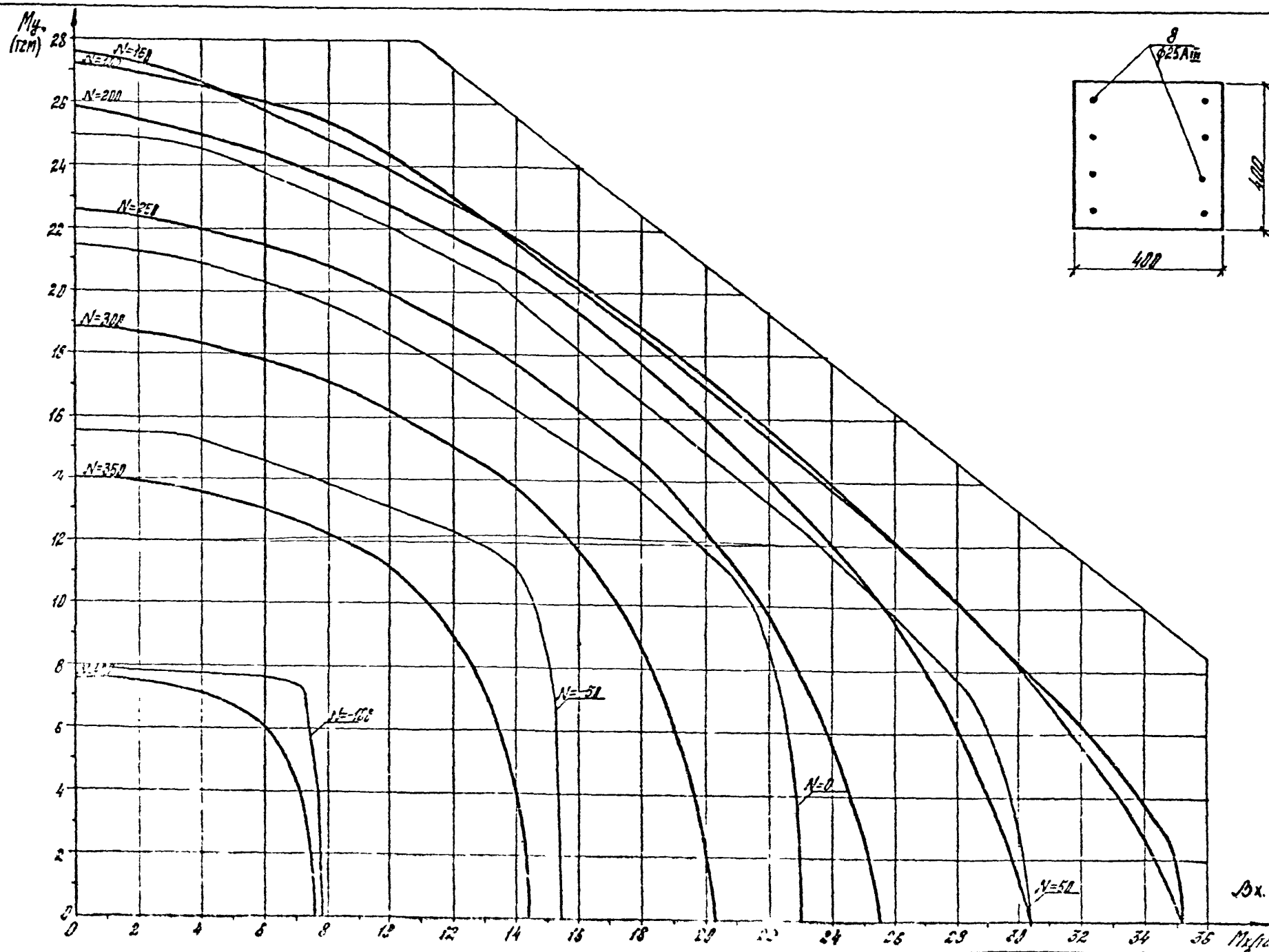
151



Box 32829 J. 159

1.020 - 1/87. 0-6- 3 173

152

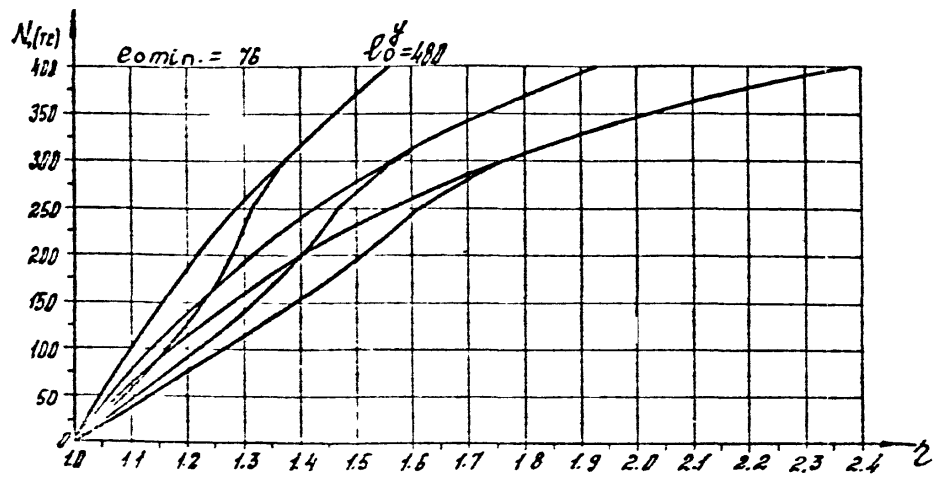
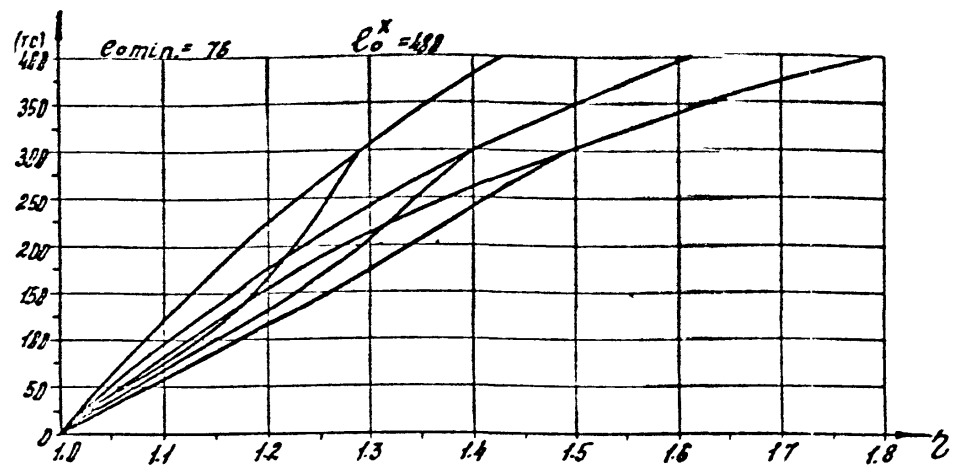


Дх. 32829 а. 160

Видео Серия 030 $(R_b = 100 \text{ тс/см}^2 \text{ и } \gamma_b = 1.10)$

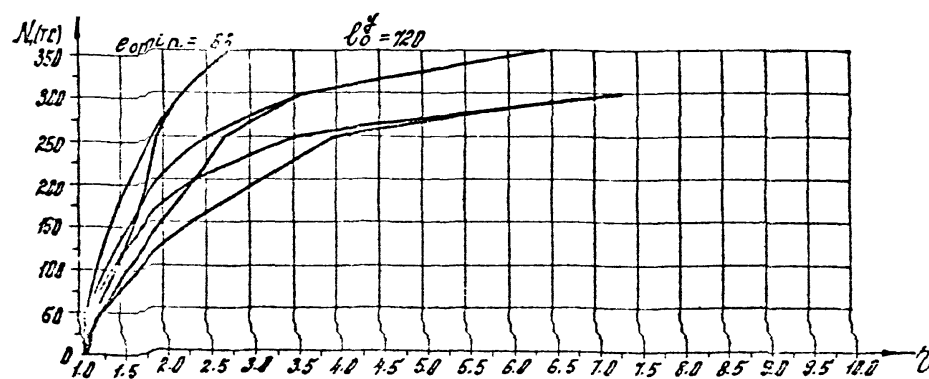
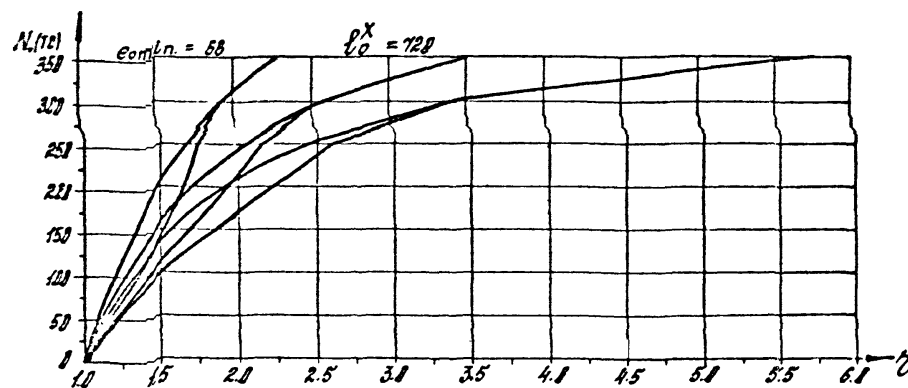
1.020-1/87. 0-6-3 ПЗ

1.57
153



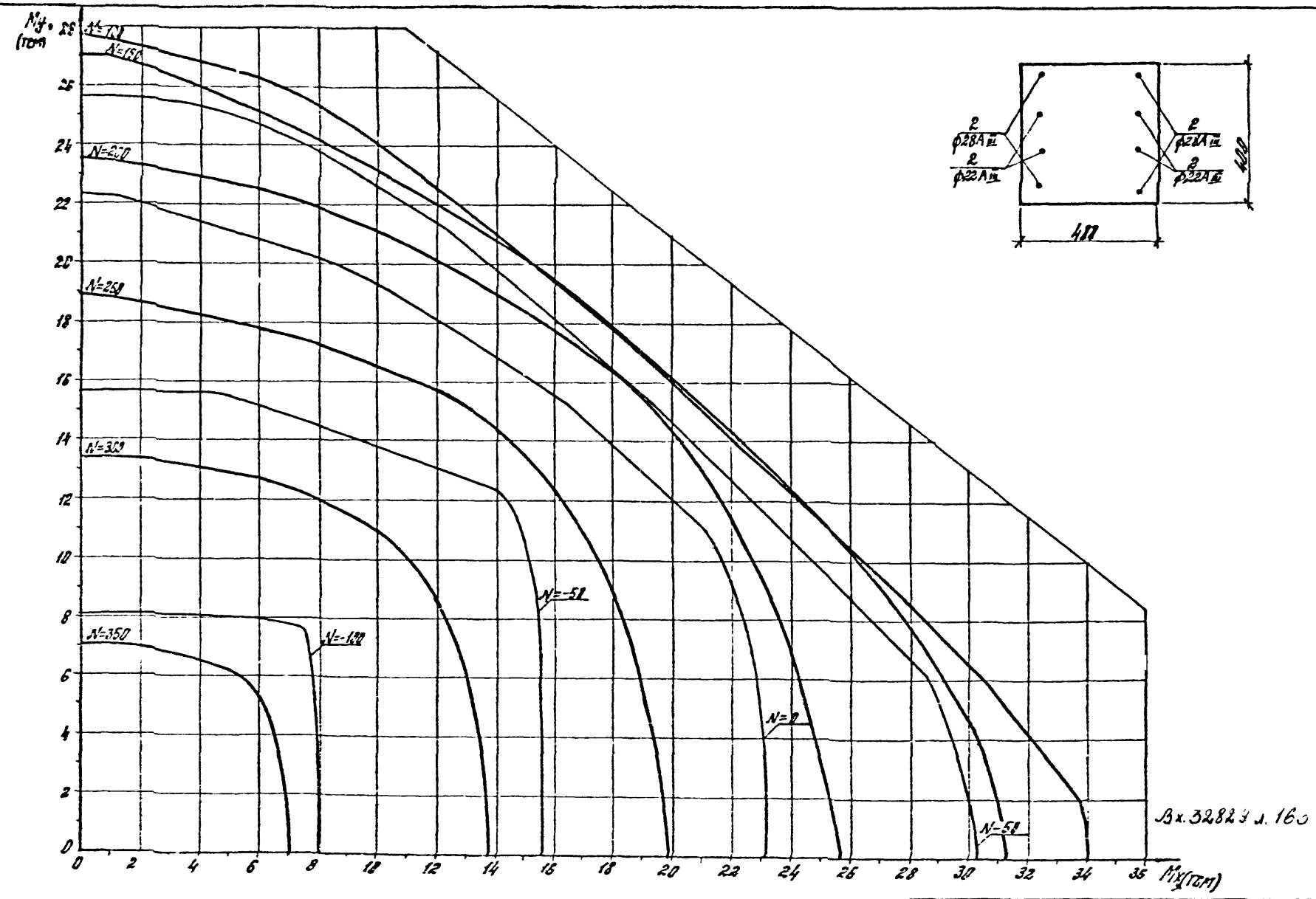
32859 A. 161

1020-1/87. 0-6-3 113



Rx. 32829 J. 162

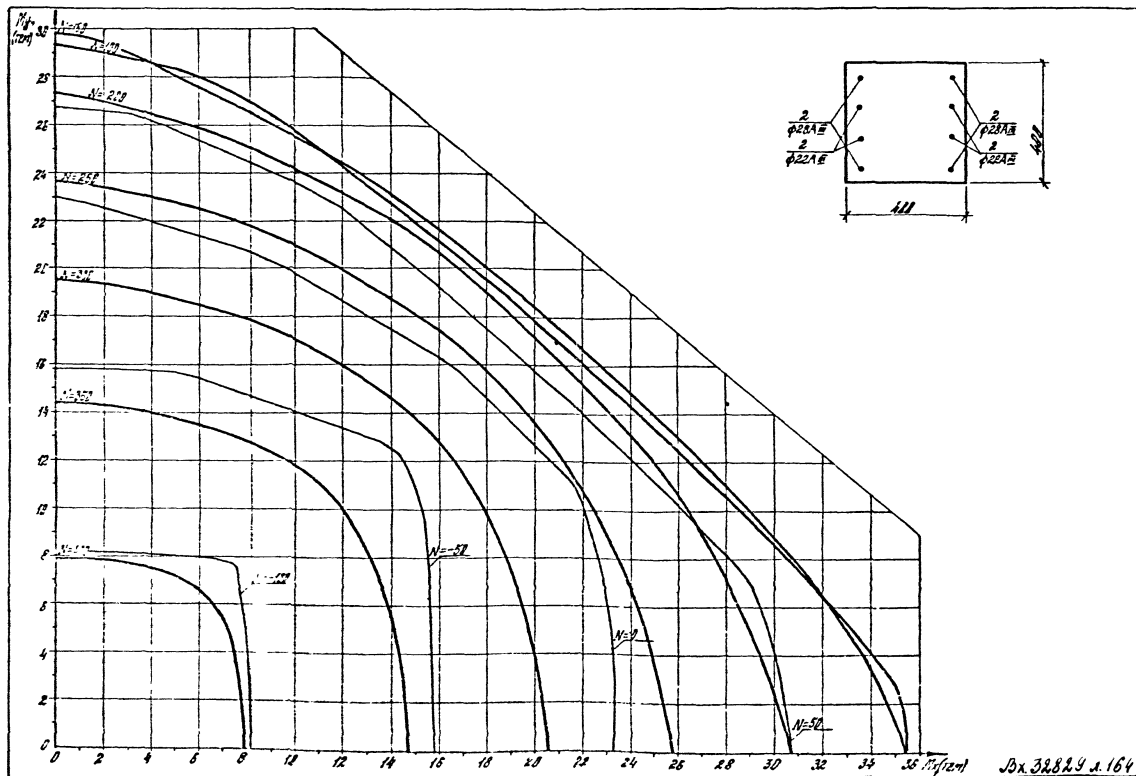
1.1120 - 1/87.0-6-3 113



класс бетона В30 ($R_b = 155.7 \text{ МПа/см}^2$ при учете $\beta_2 = 0.9$)

1.020 - 1/87. 0-6-3 ПЗ

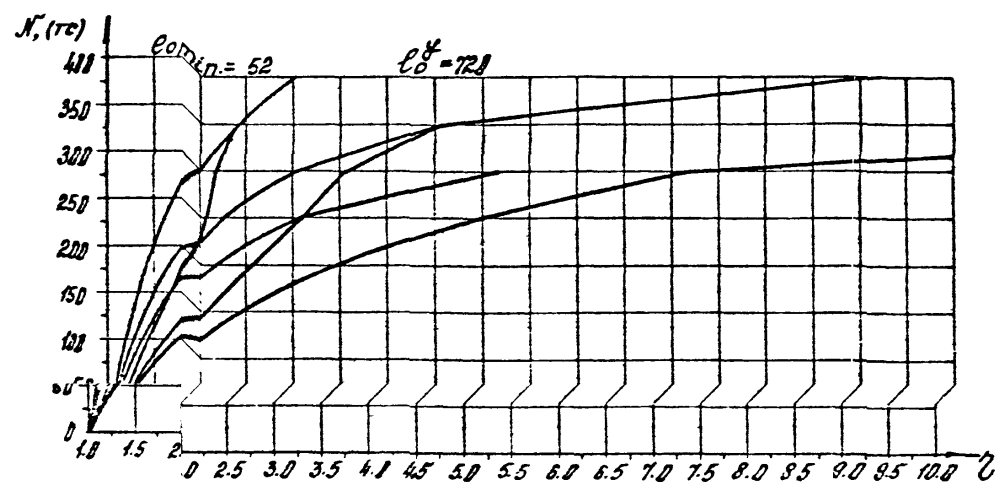
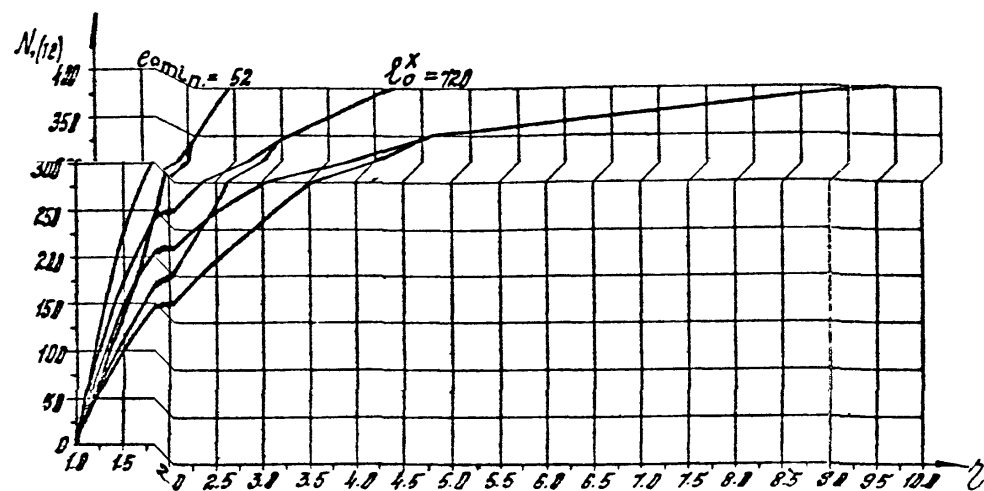
155



РАСЧЕТ СТОЛБА 830 ($R_0 = 1.0 \cdot 10^6 \text{ kg/cm}^2$ при $\gamma = 1.1$)

1.020-1/87. 0-6- 3 ПЗ

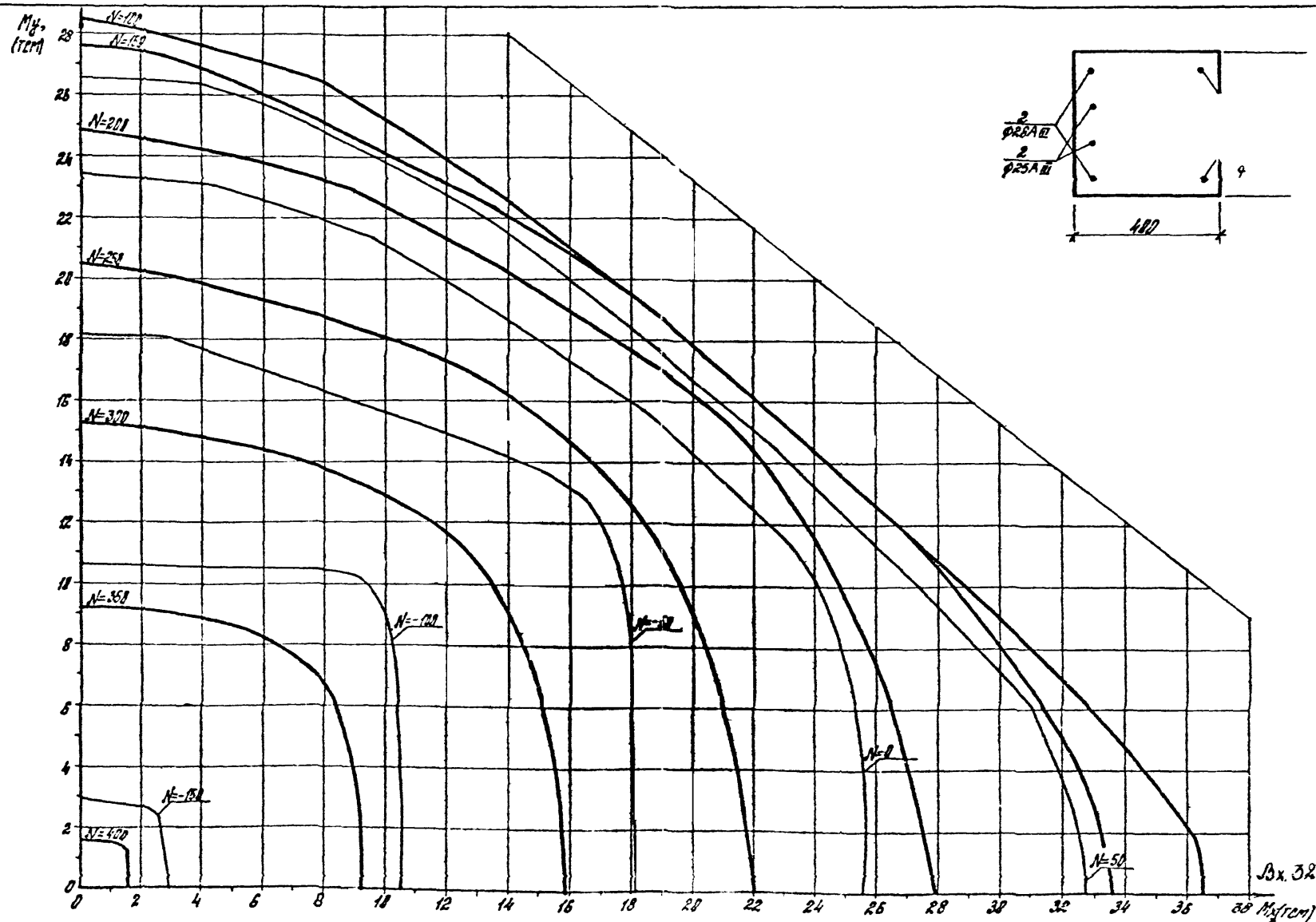
157



138.34823 4.165

1.020-1/87.0-6-3 173

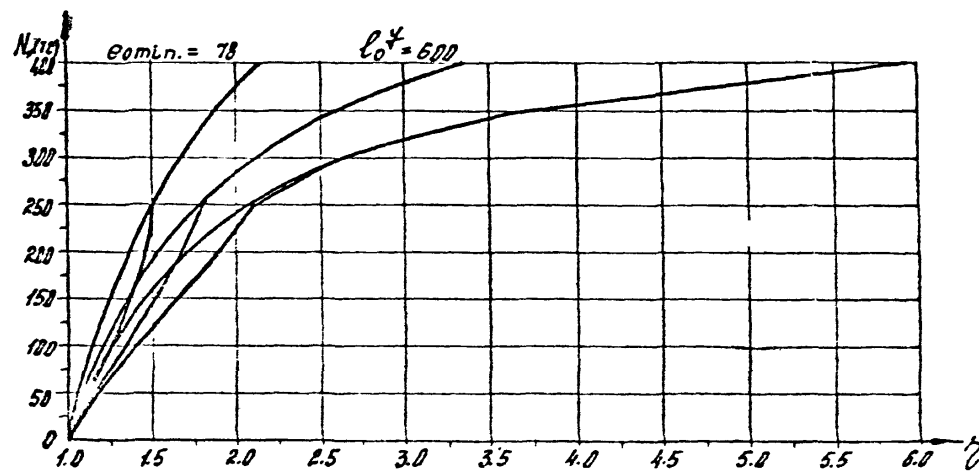
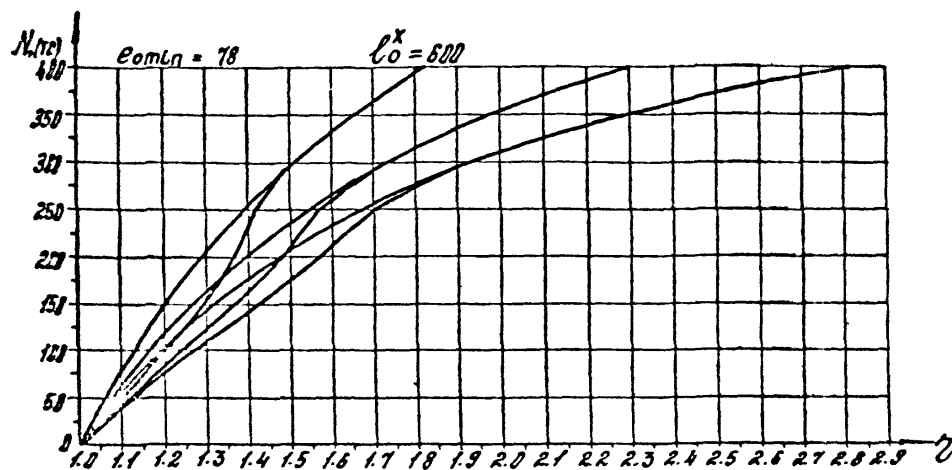
158



РАСЧЕТ СЕКЦИОНА В30 ($R_b=155$ ТМТ/СМ² ПРИ УЧЕТЕ $\gamma_{b2}=0.9$)

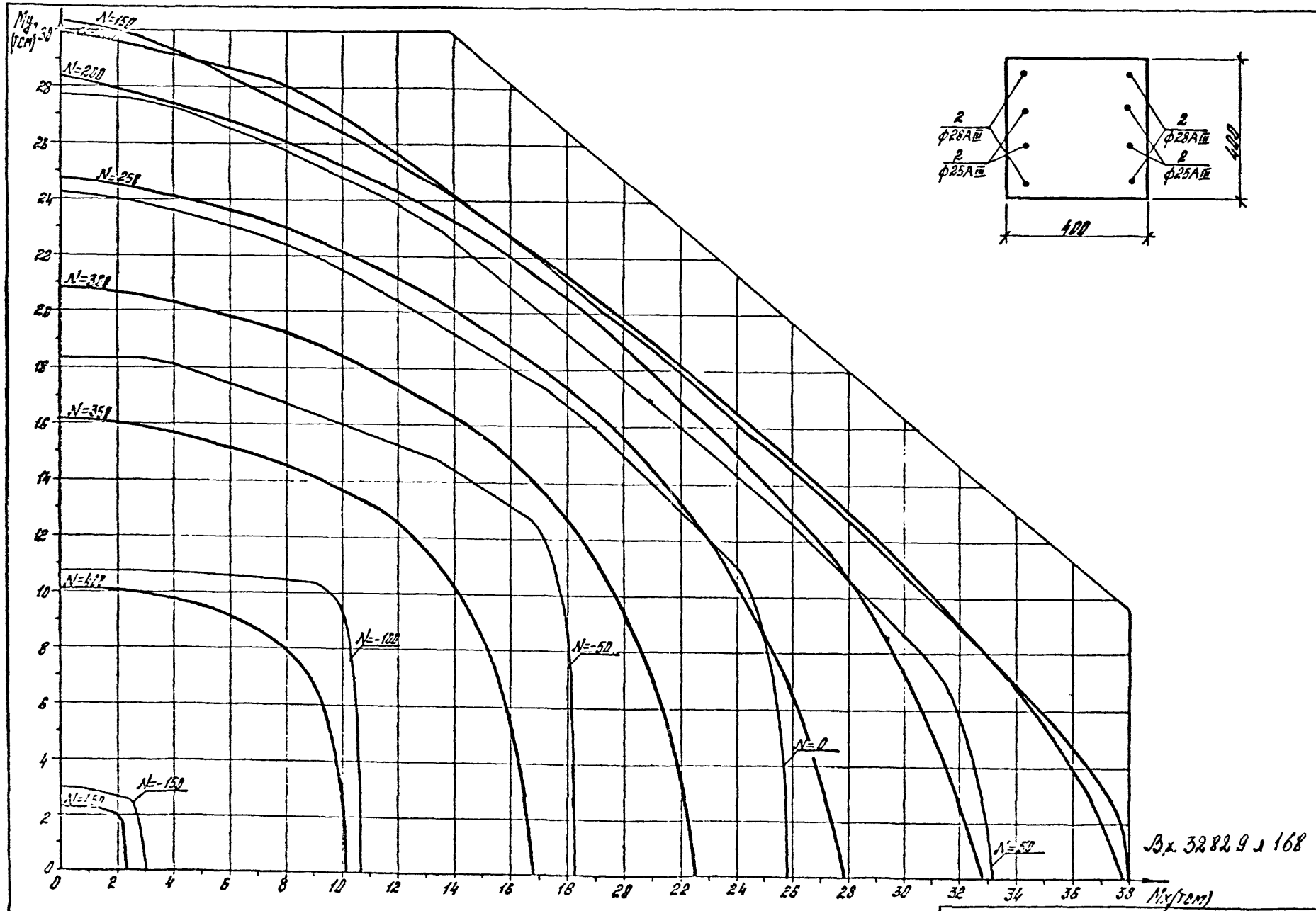
1.020-1/87.0-6-3.173

159



Bx 32829 2.164
1.020-1/87. 0-8-3 113

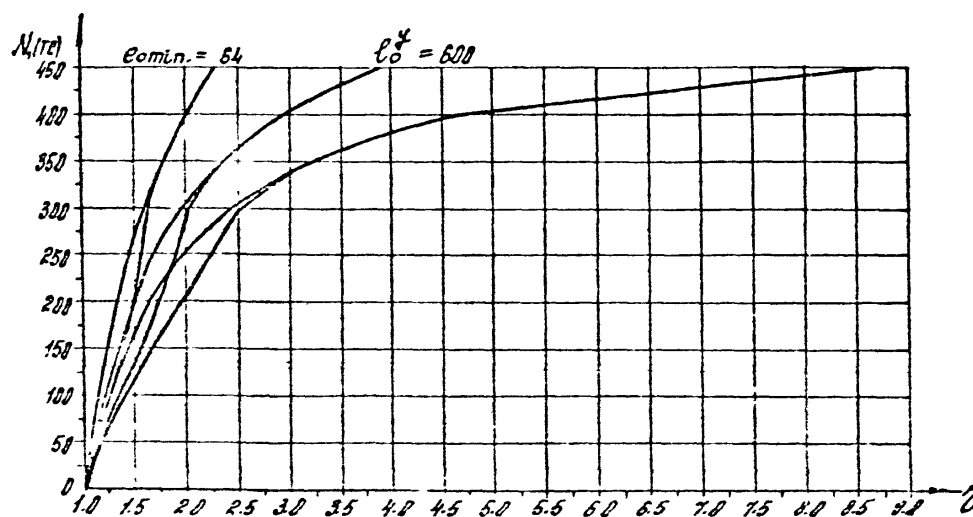
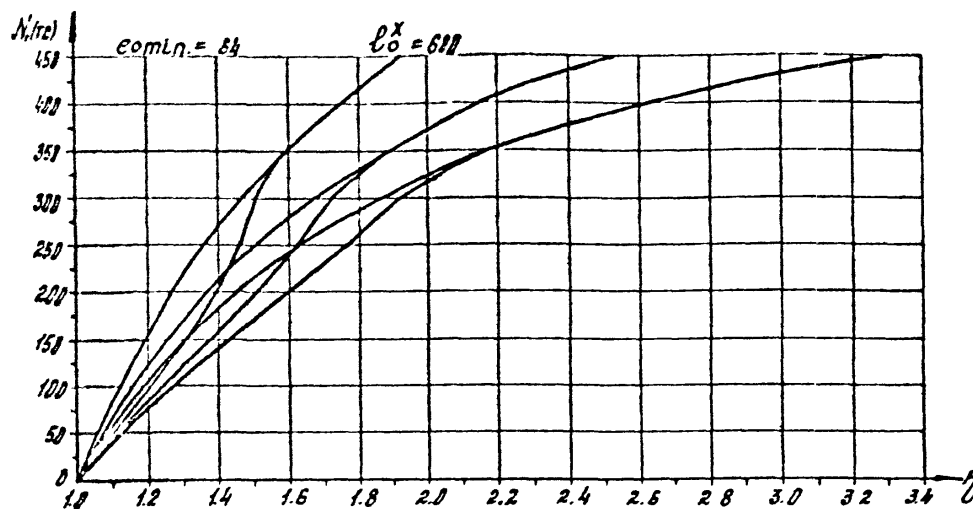
160



Бетон марки Б30 ($R_b = 182350 \text{ кг/см}^2$ при $\gamma_{b2} = 1.10$)

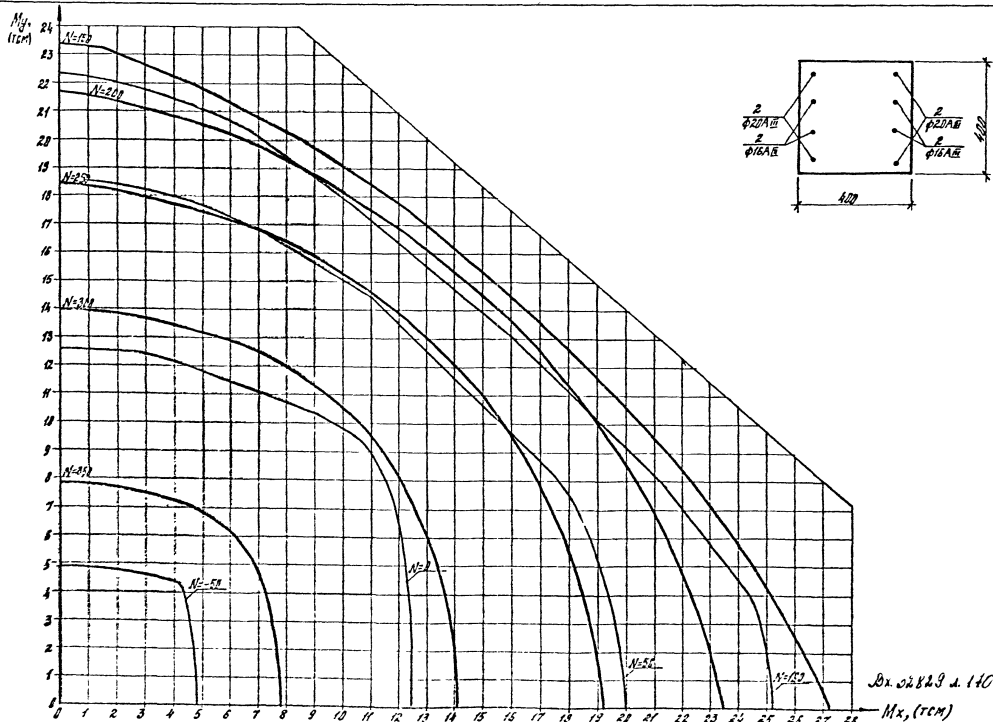
1.020-1/87.0-6-3 ПЗ

167



Bx. 32829 A. 169

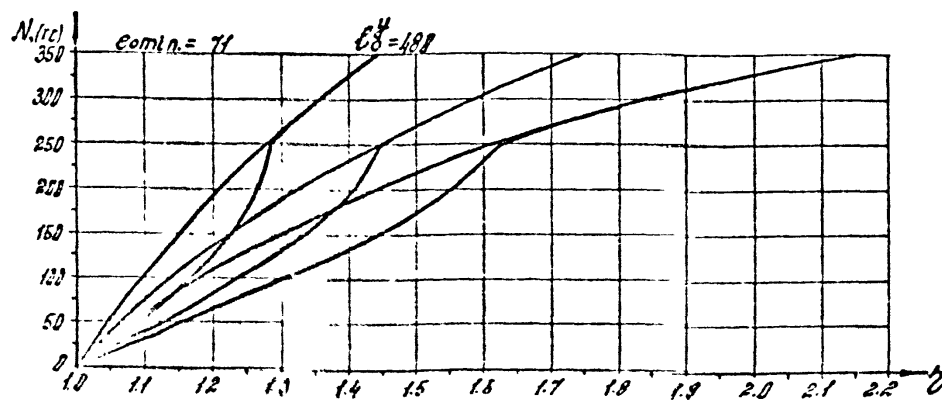
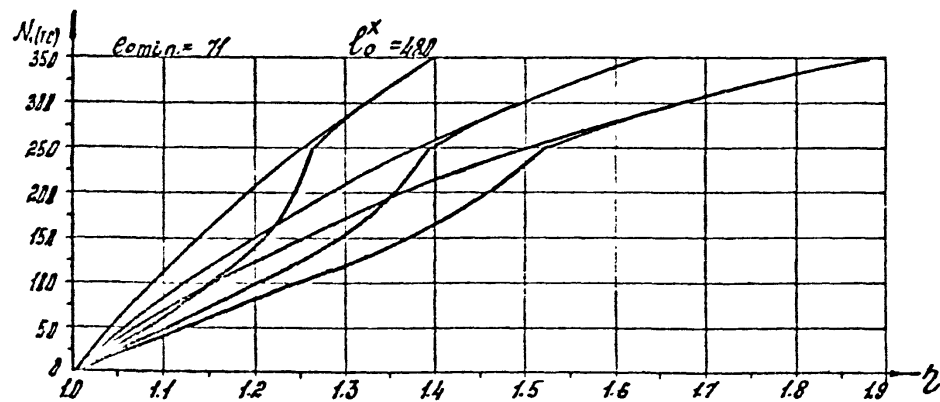
1020-1/87. D-5-3 173



Сечение Б40 ($R_b = 201 \text{ МПа}$; $\sigma_{yk} = 374 \text{ МПа}$; $\lambda_2 = 0.9$)

1.020-1/87.0-6-3/13

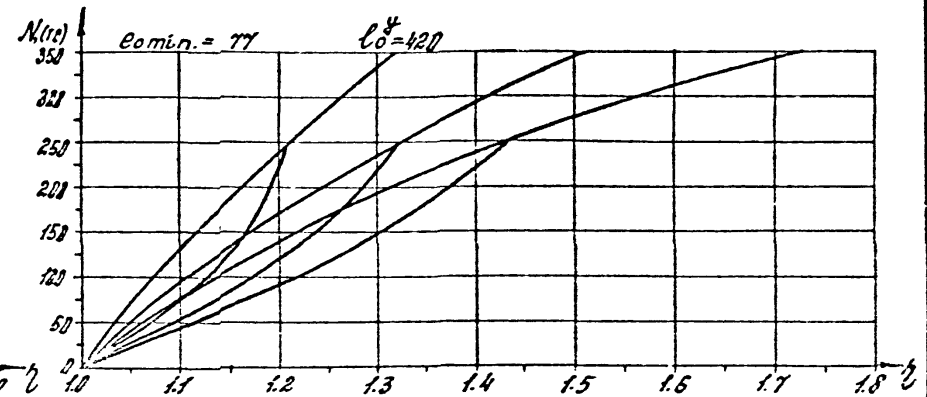
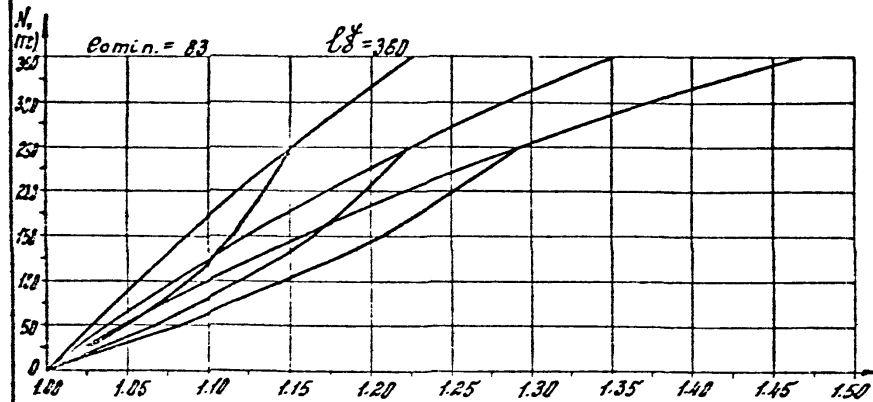
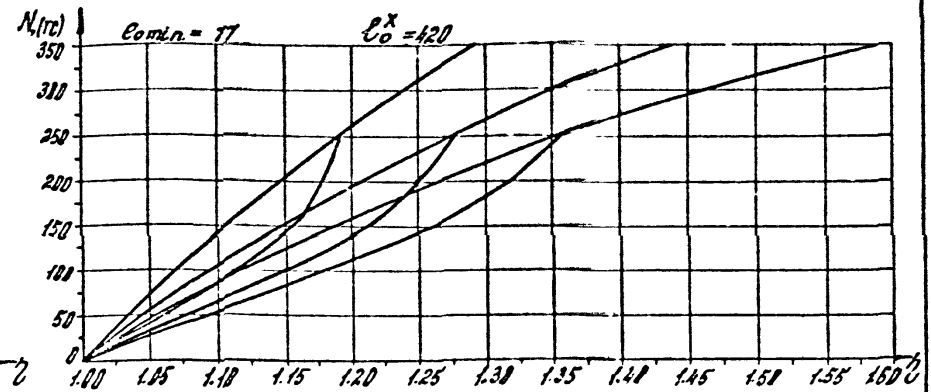
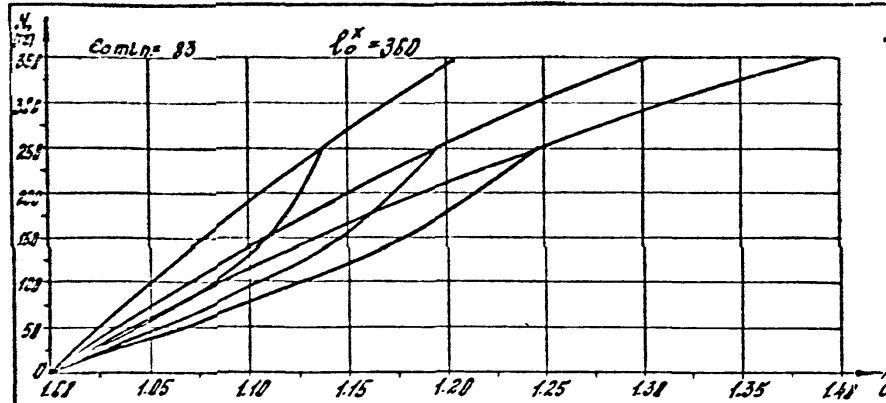
163



Bx. 32829 J. 171

1.020 - 1/87. 0-6-3 ПЗ

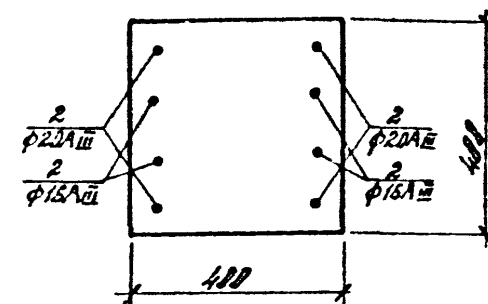
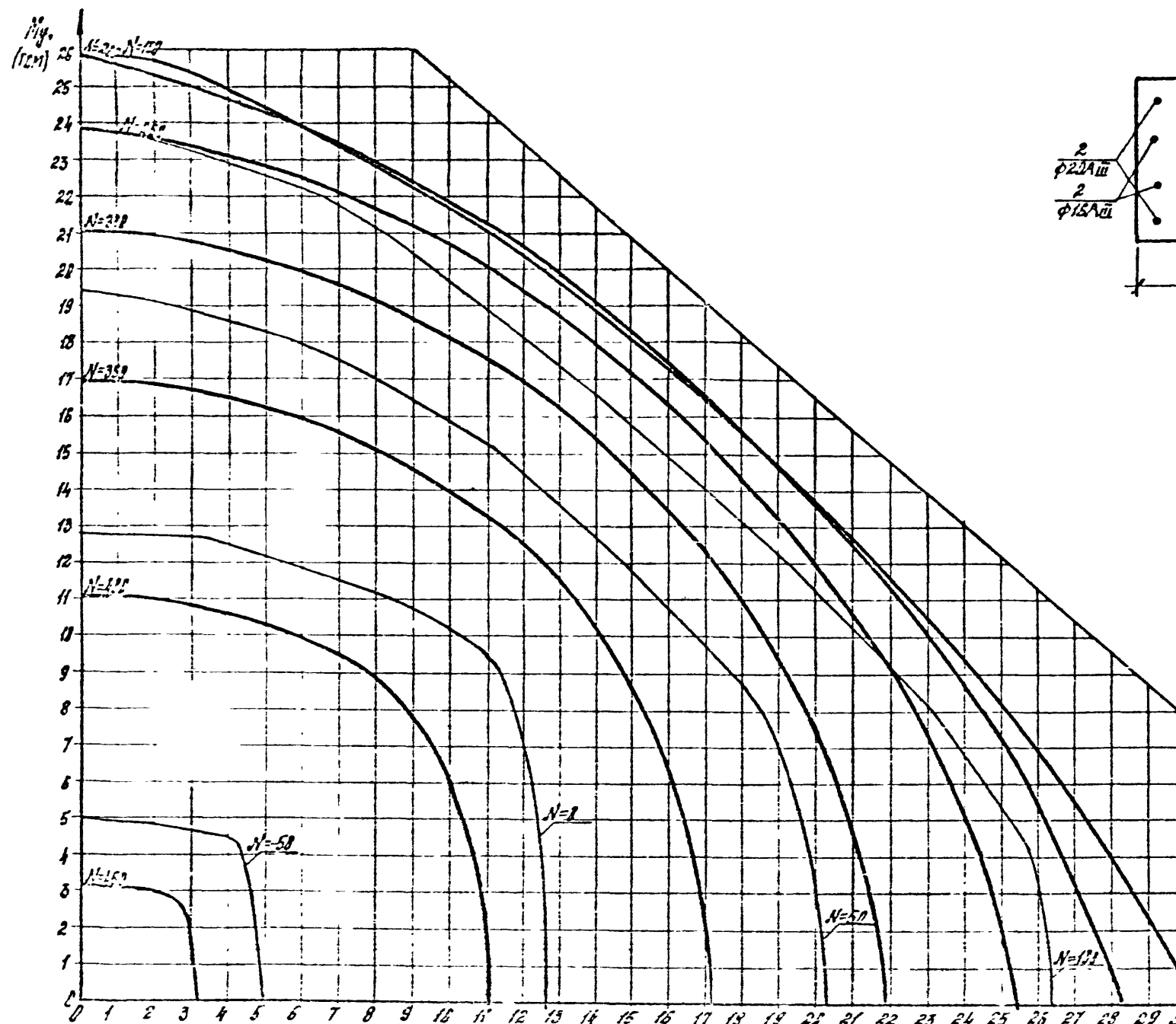
1.157
165



Bx.32829 A.142

1.020-1/87. 0-6- 3 173

164

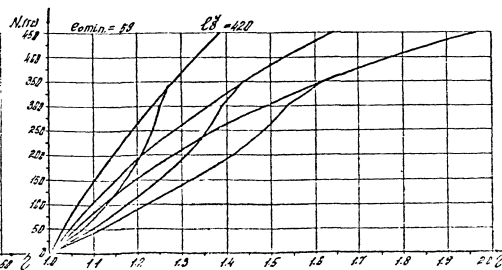
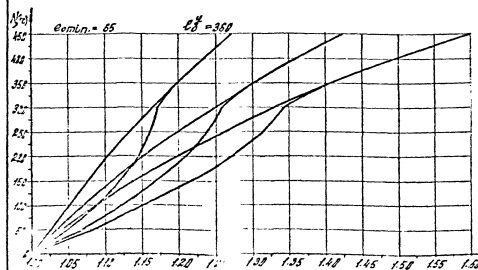
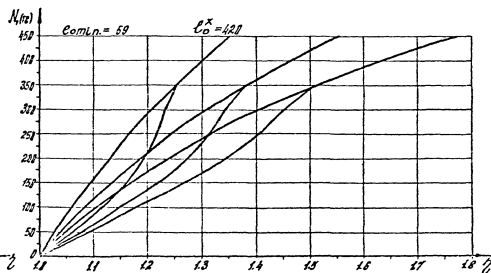
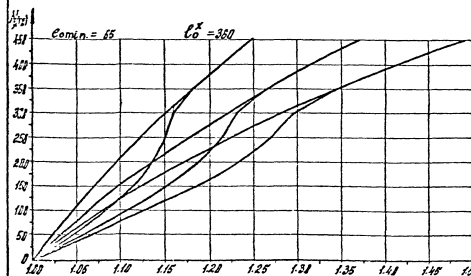


Бетон В40 ($R_b = 24.6 \text{ т/см}^2$) сталь $(\sigma_s = 1.10)$

Дж. 32824 д. 173

1.020-1/87.0-8-3113

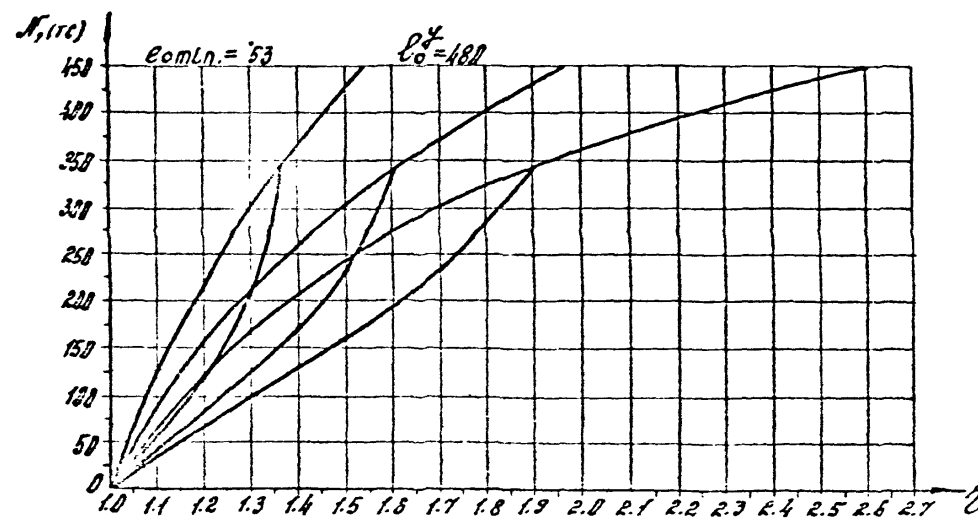
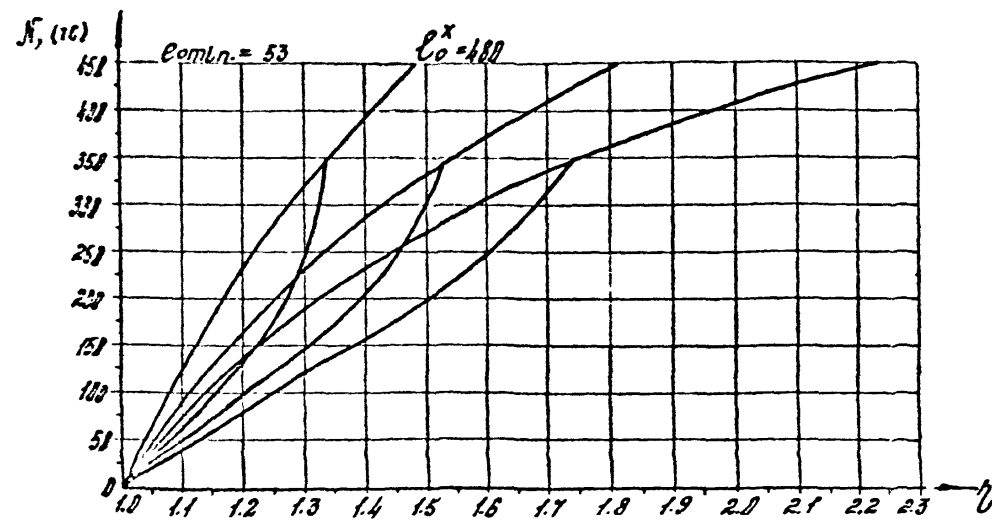
Лист
166



Box 32829 a 174

1.020-1/37. 0-6- 3 173

177



Dx. 32829 1.145

1020-1/57. 0-6- 3 113

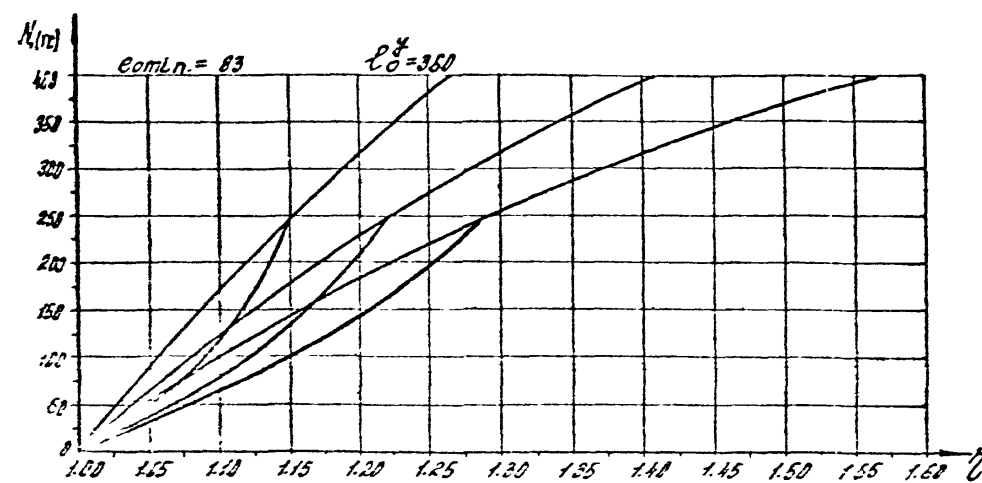
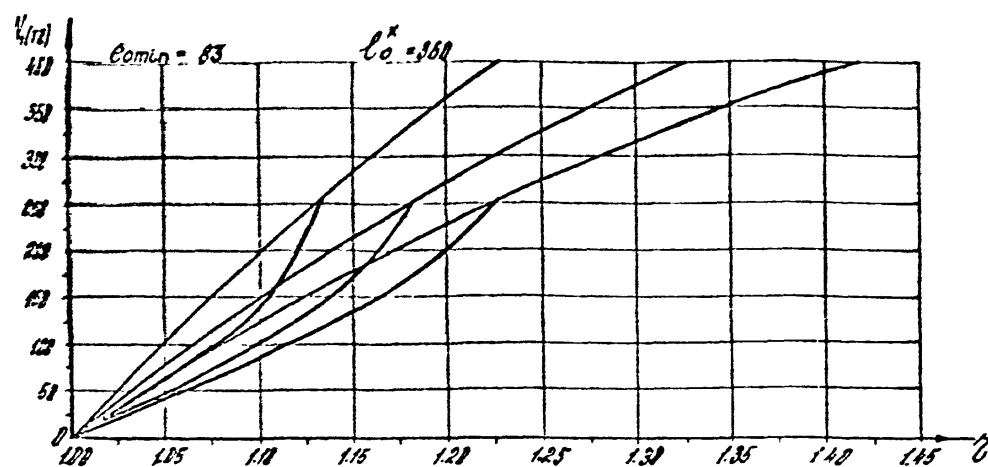
168

класс бетона B40 ($R_b = 201.6 \text{ МПа/см}^2$ при $\gamma_{b2} = 0.9$)

29 30 11/12/1911 Bx. 32829 A. 176

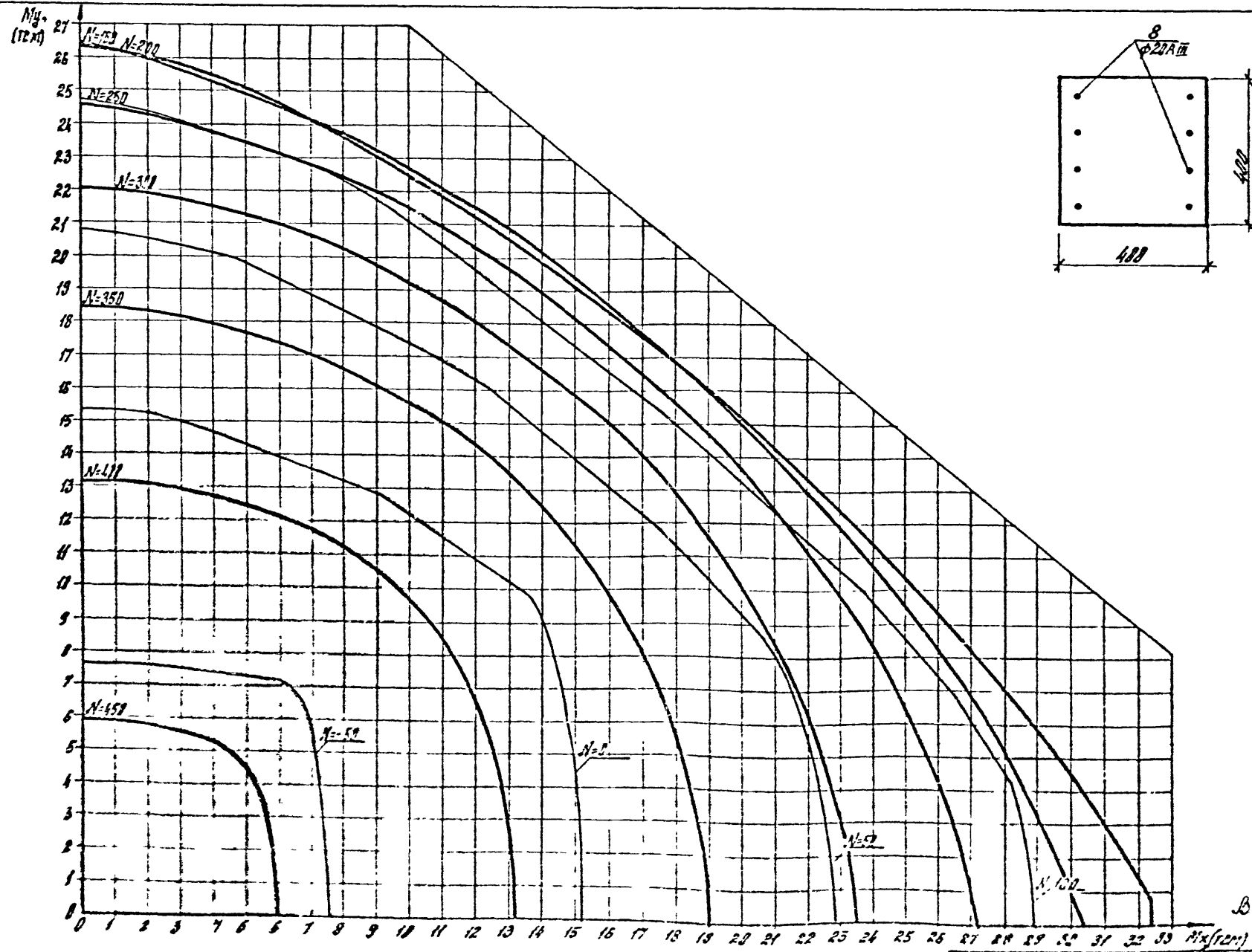
1.020 - 1/87. Q-6- 3 113

169



Box 54829 A. 177

1020-1/87.0-6- 3 113

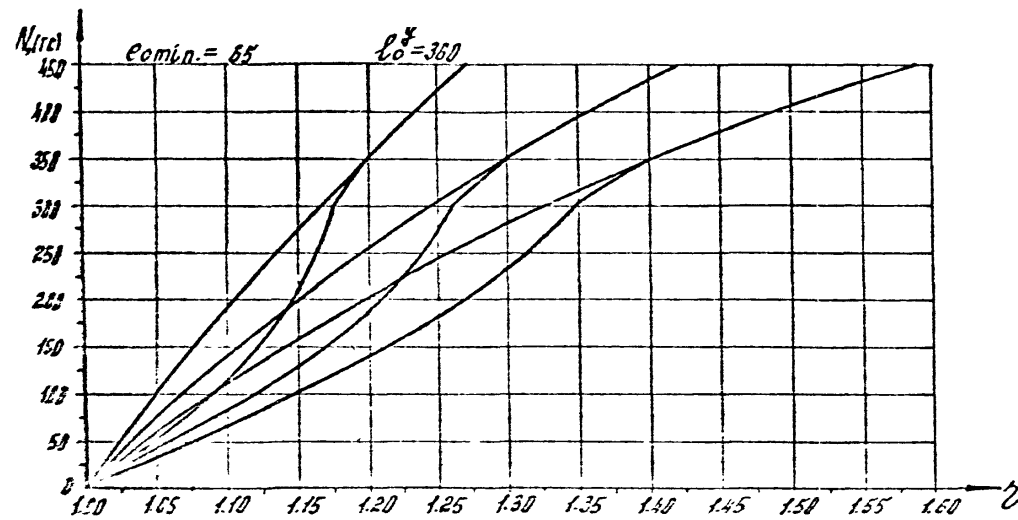
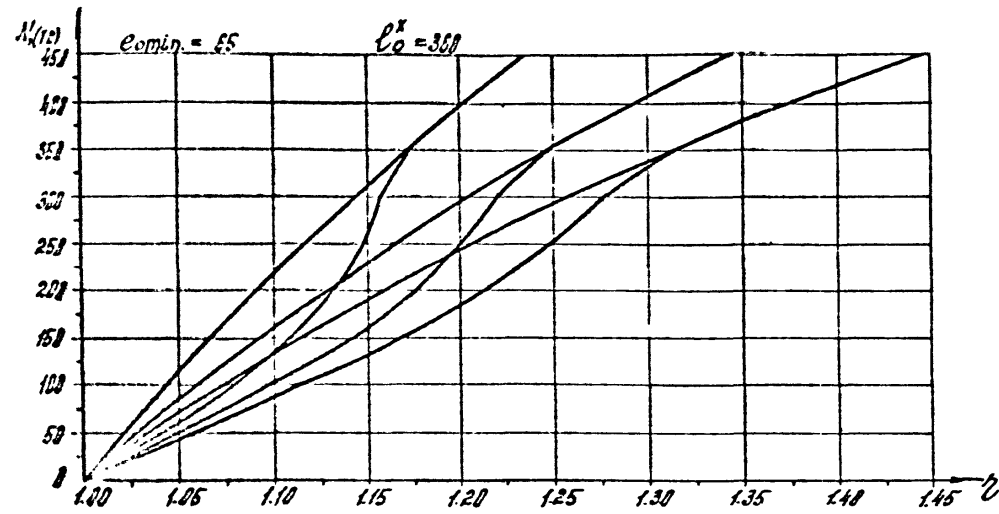


расчет бетона B40 ($R_b = 24.6 \text{ МПа/см}^2$ при учете $\gamma_{b2} = 1.10$)

Вх. 32829 л. 178

1.020-1/97. 0-6-3 173

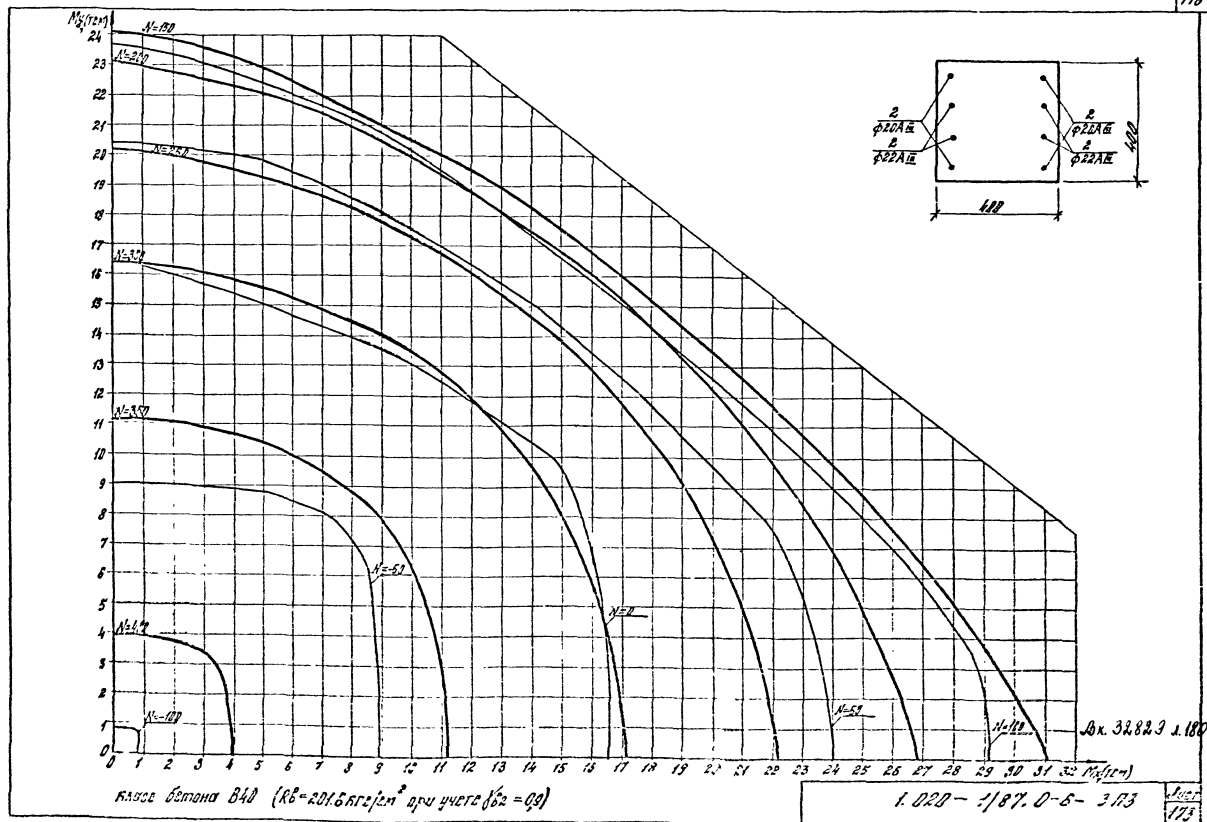
171

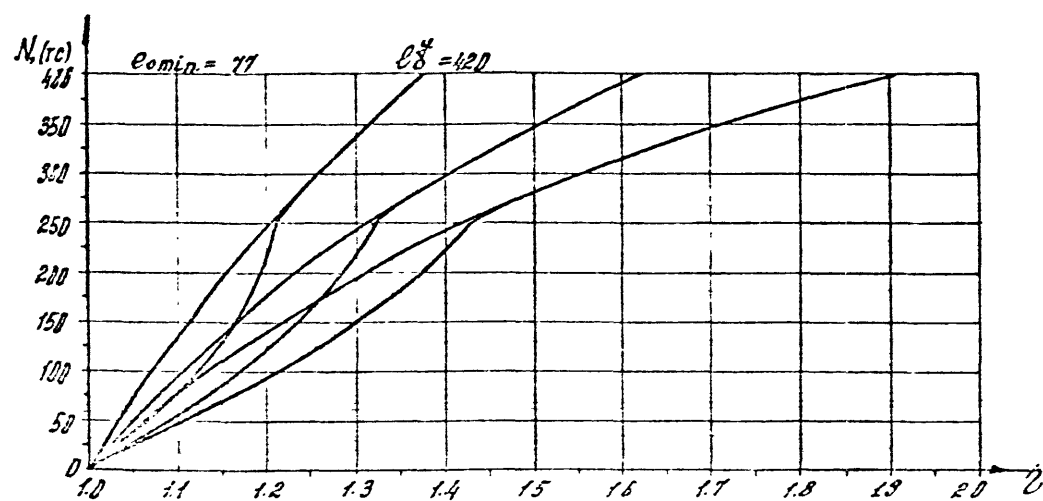
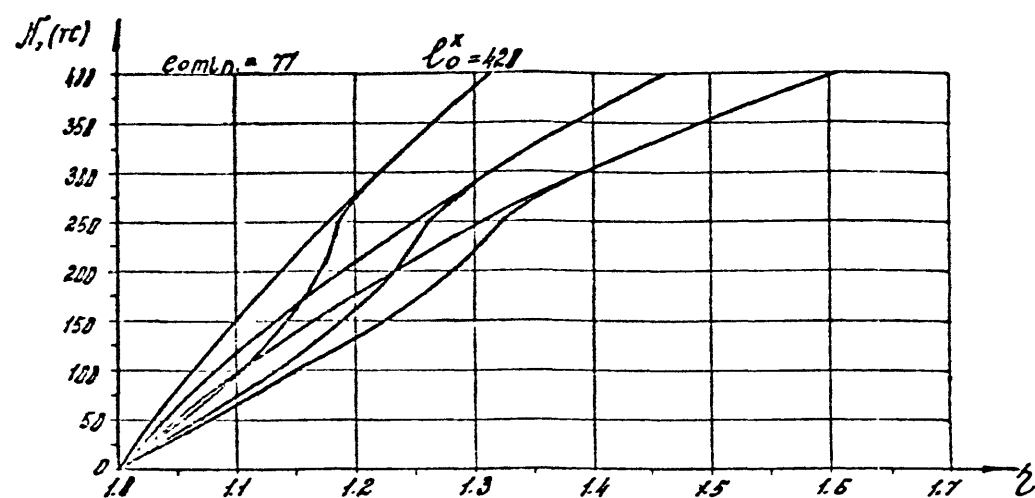


Box 36829 A. 149

1020-1/87.0-6- 3/13

172

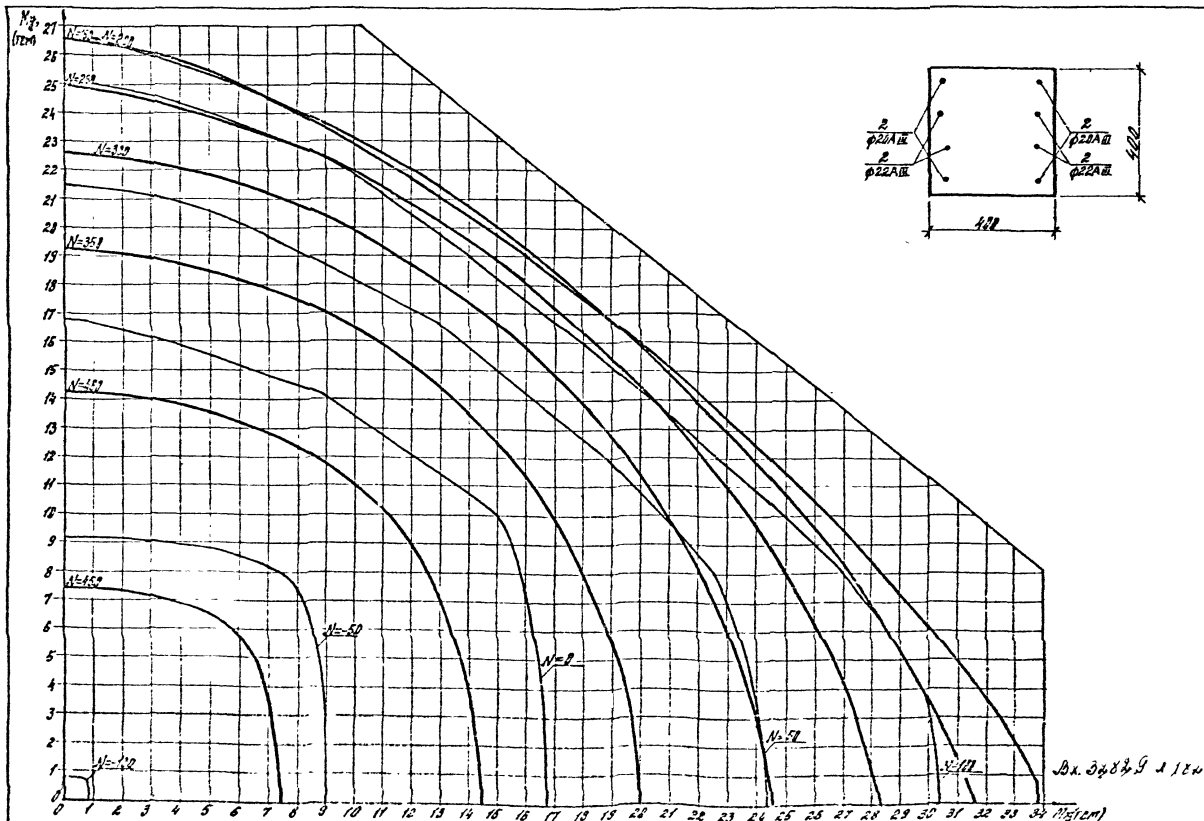




$2x 32 \times 49 \text{ A.181}$

1.020-1/87.0-6-3 173

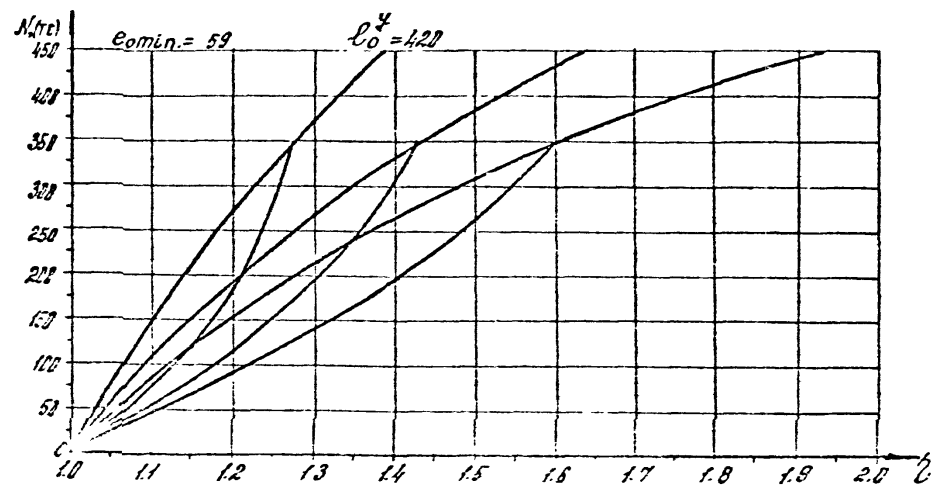
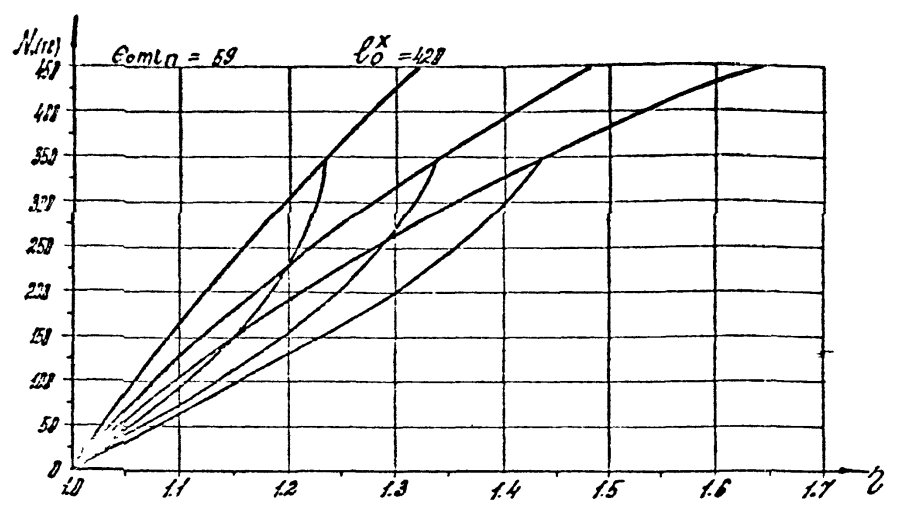
174



Класс бетона В40 ($R_b = 24.64 \text{ кН/см}^2$) при $\gamma_{ce} = 1.10$

1020-1/87 0-6-3/13

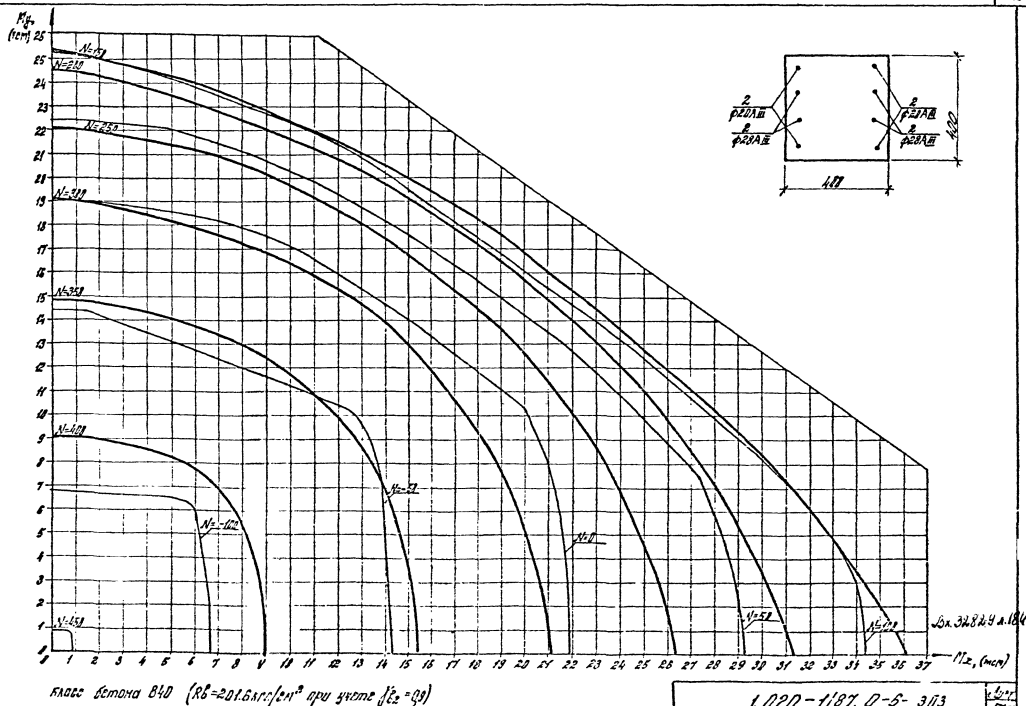
115

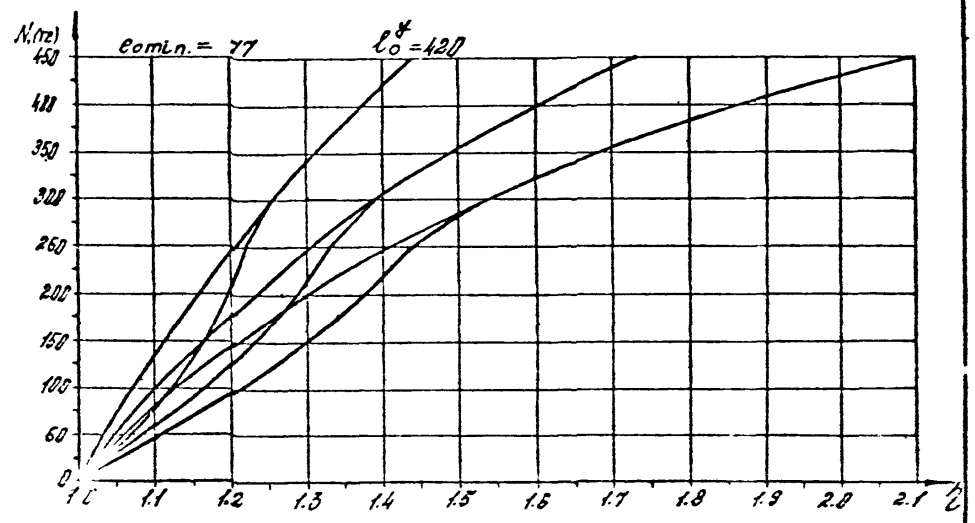
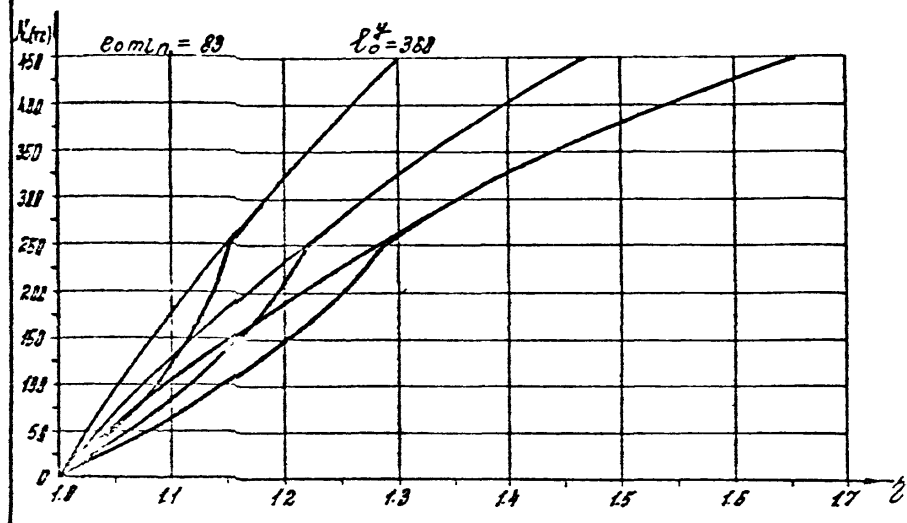
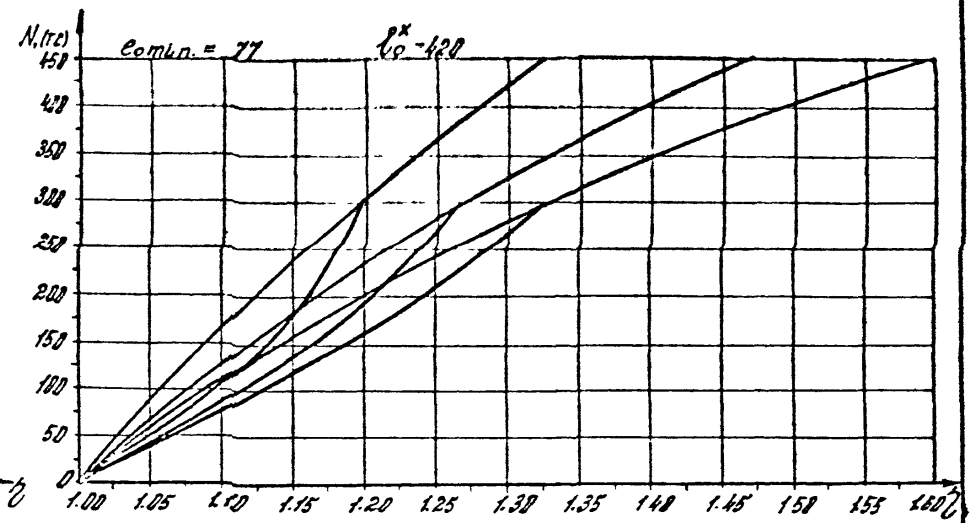
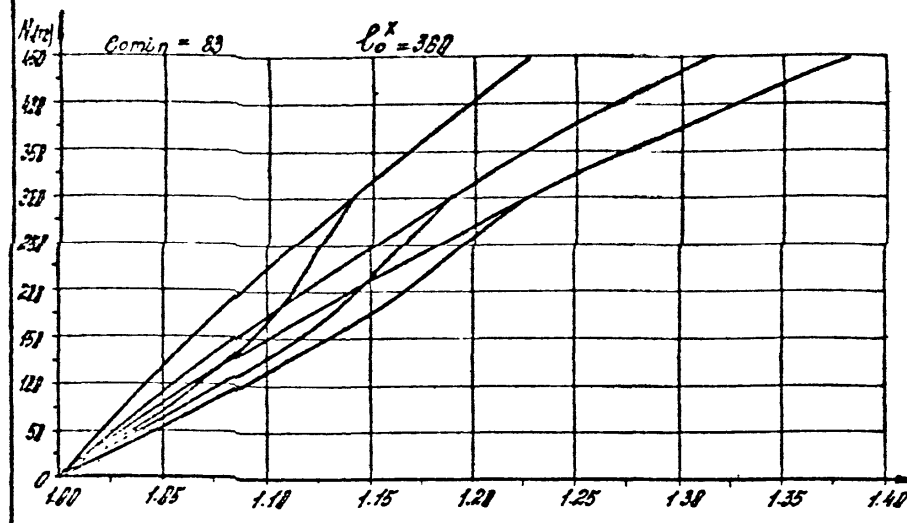


Bx 32829 a.183

1020-1/87. 0-6-373

176

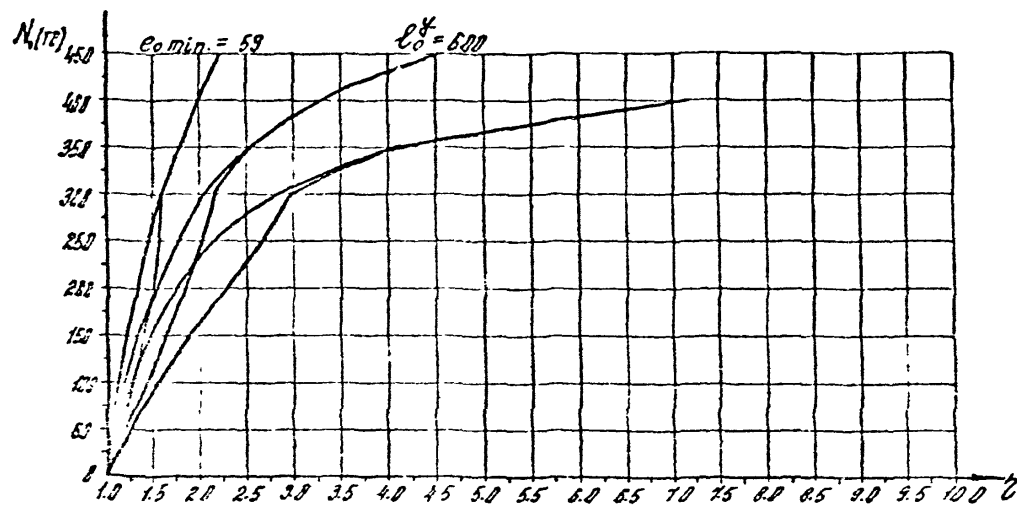
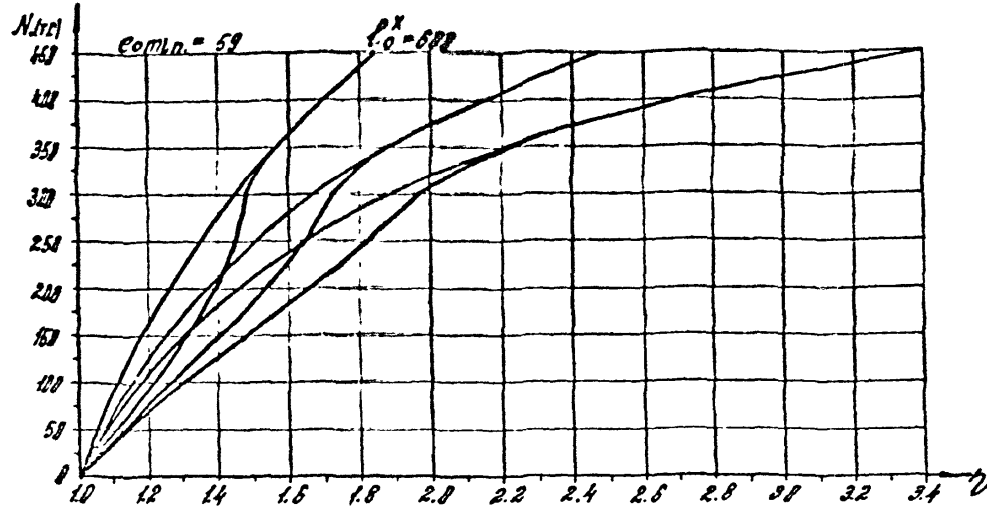




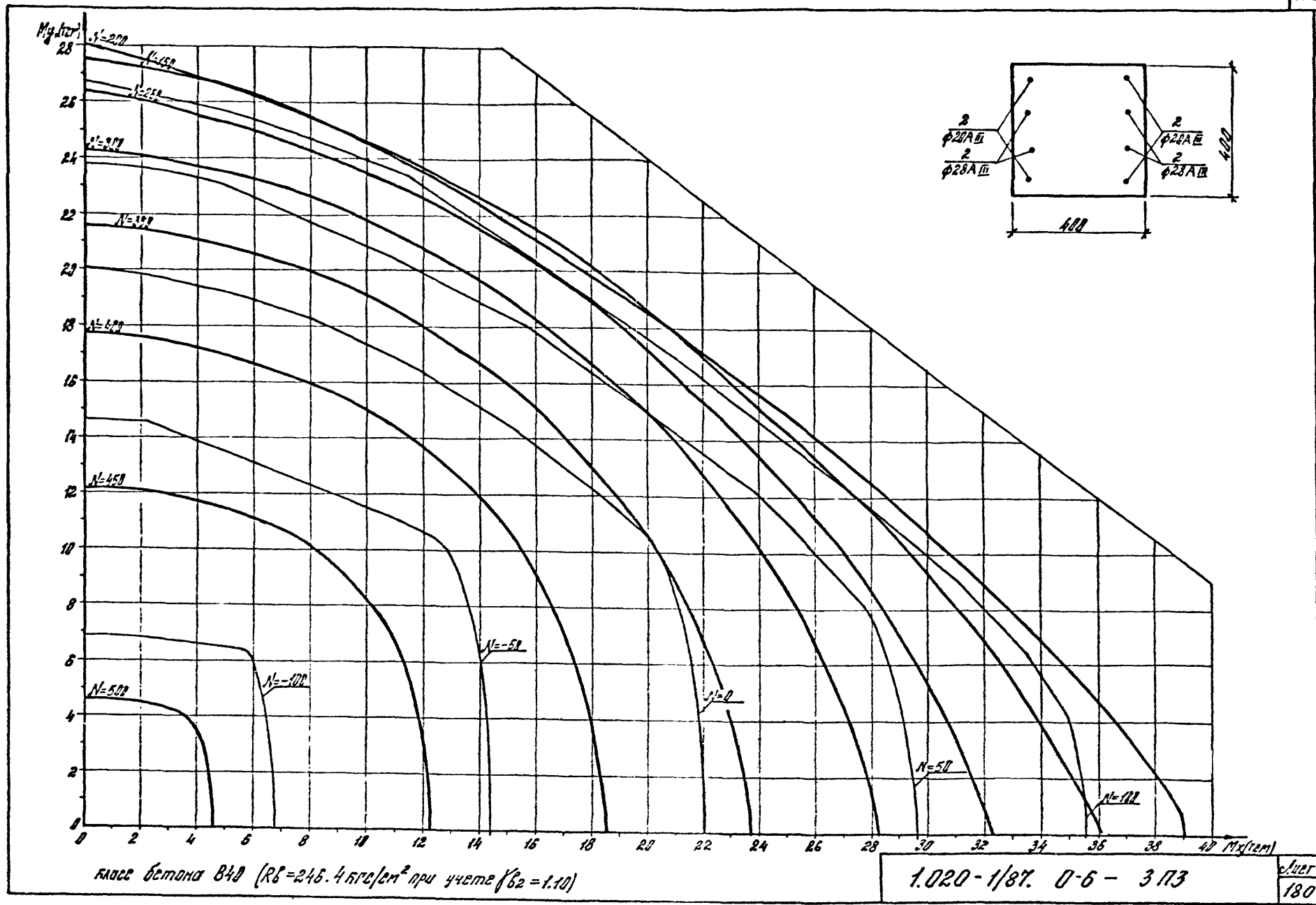
Bx 32829 A.185

1.020-1/87.0-6-313

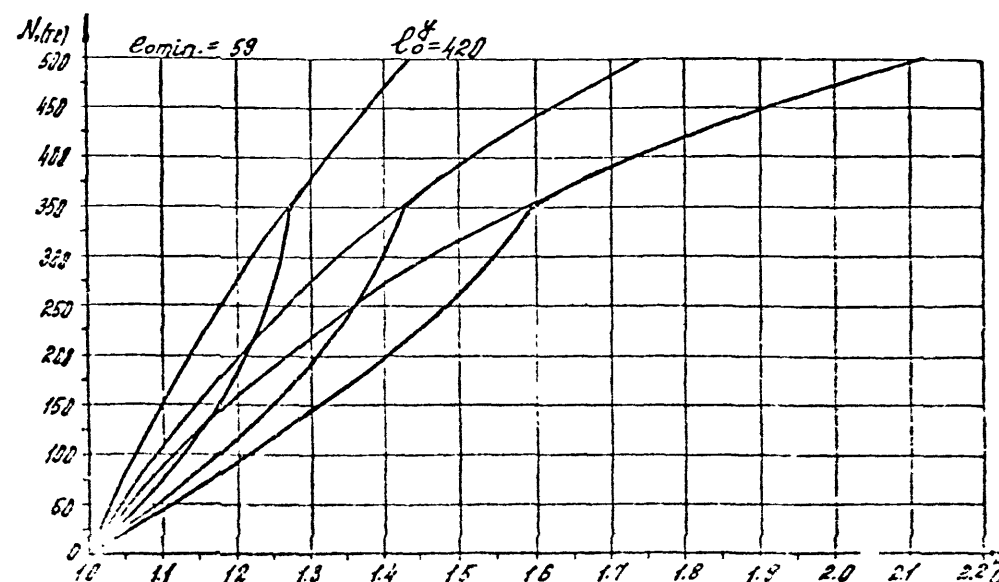
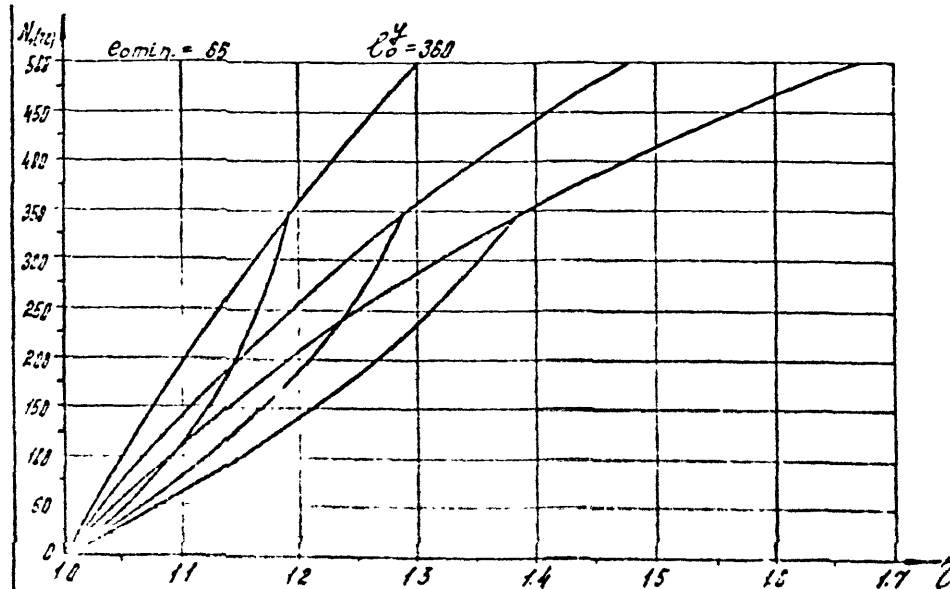
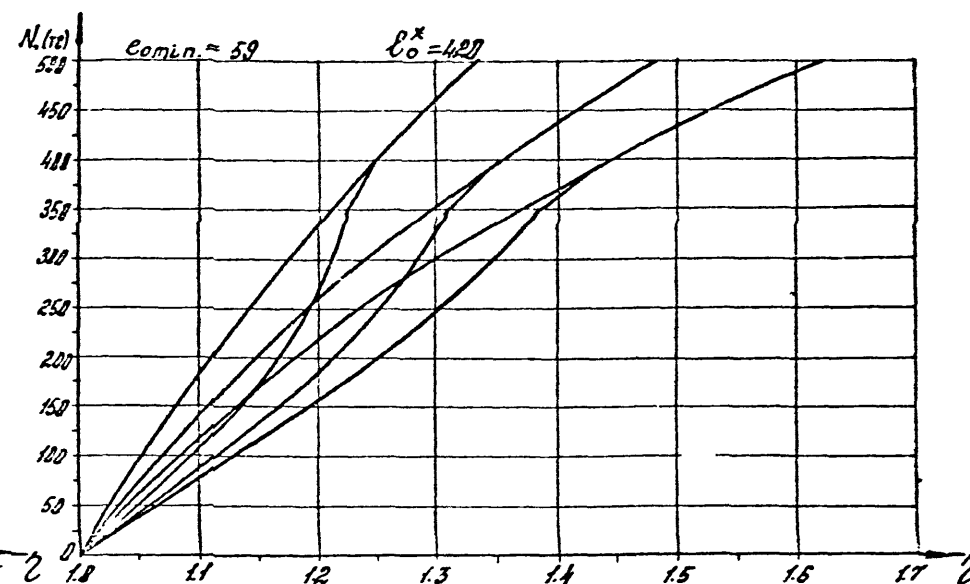
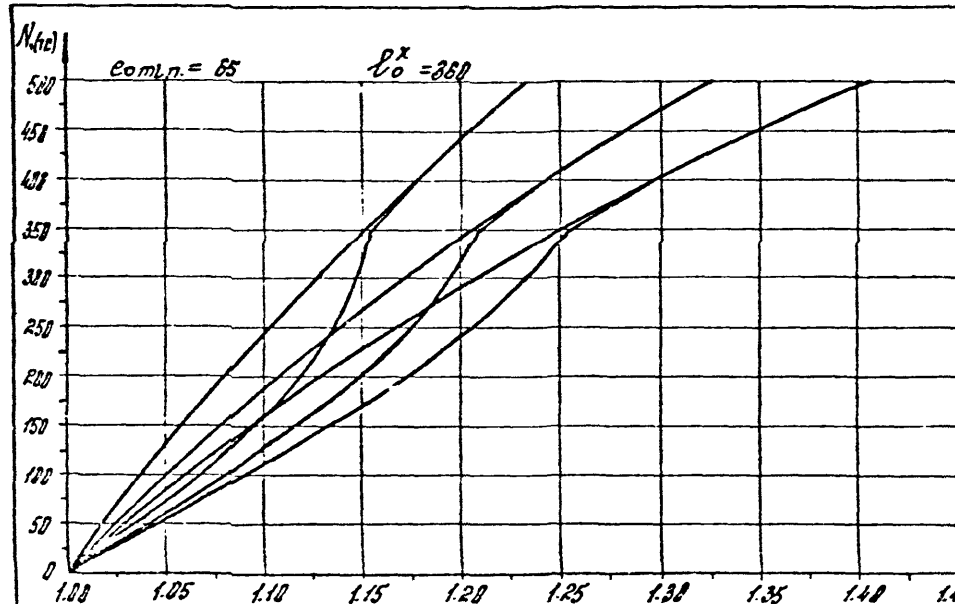
178



Bx 32829 J.186
1.020-1/87. 0-6-373



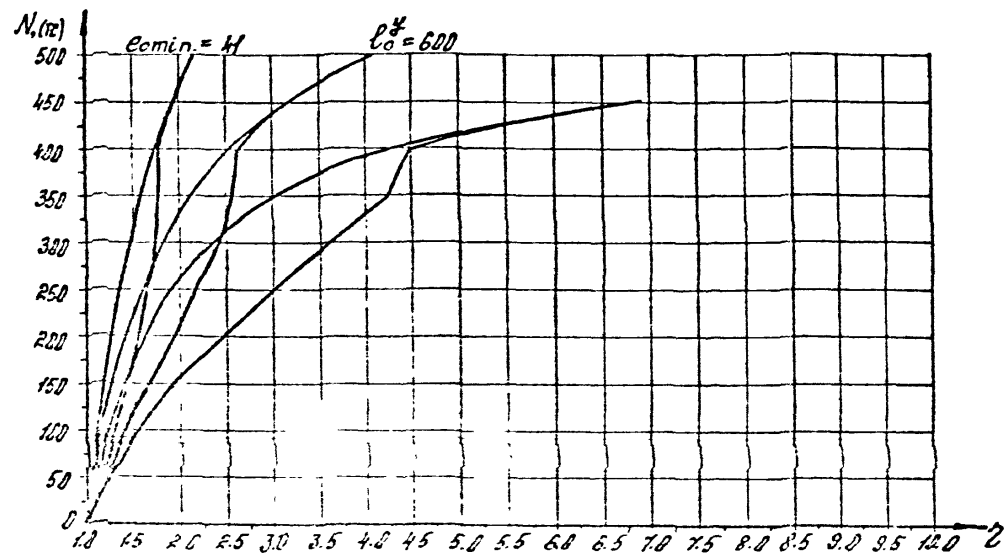
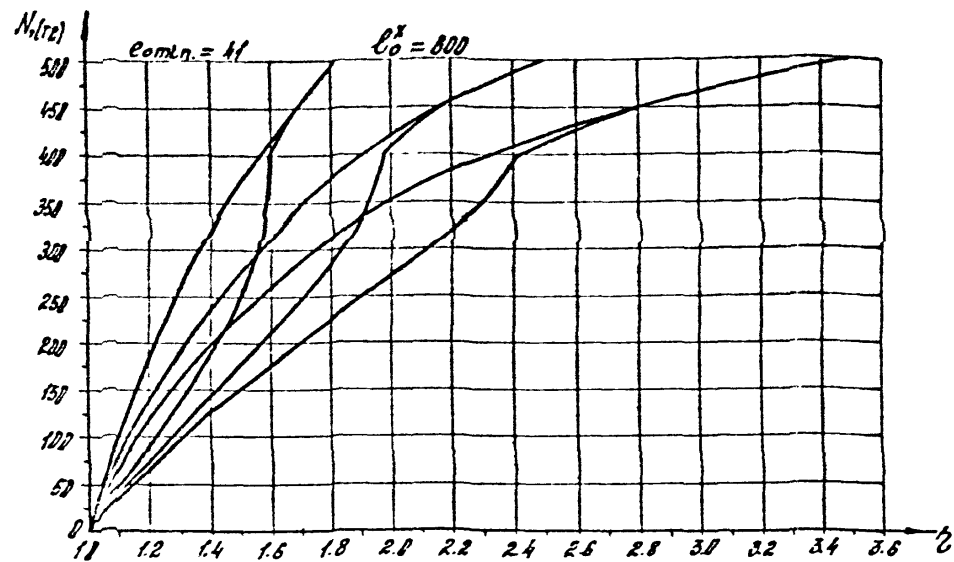
Вх. 32829 л. 187



1020-1/87. 0-6-3 113

JSx 32829 A.188

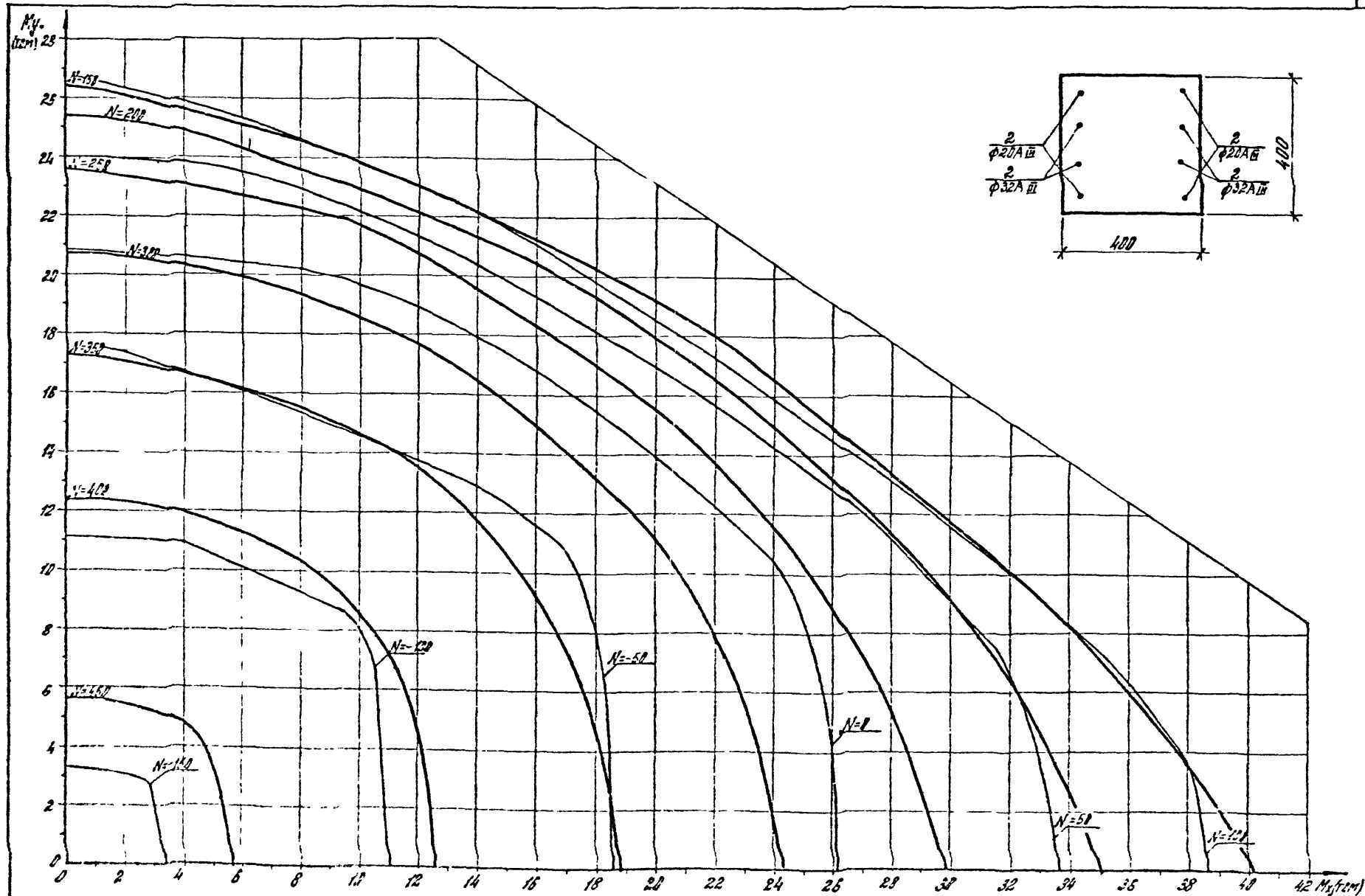
181



Box 32829 J. 189

1.020-1/87.0-6-373

187
182

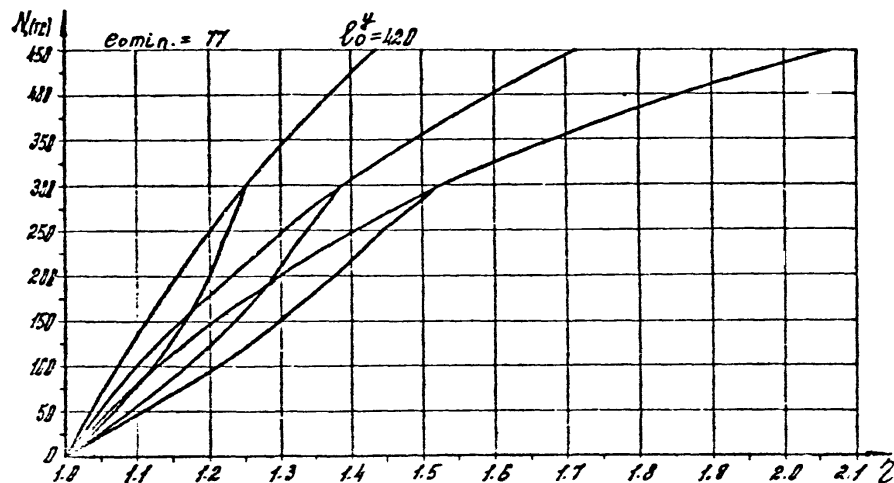
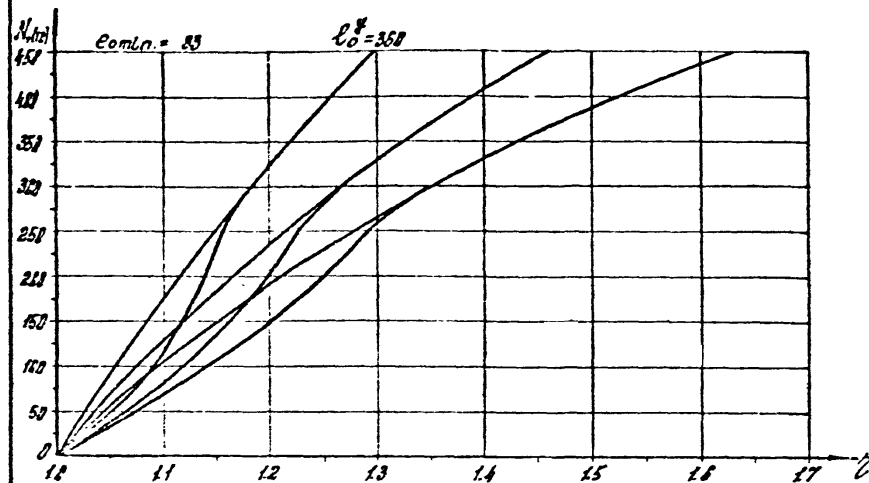
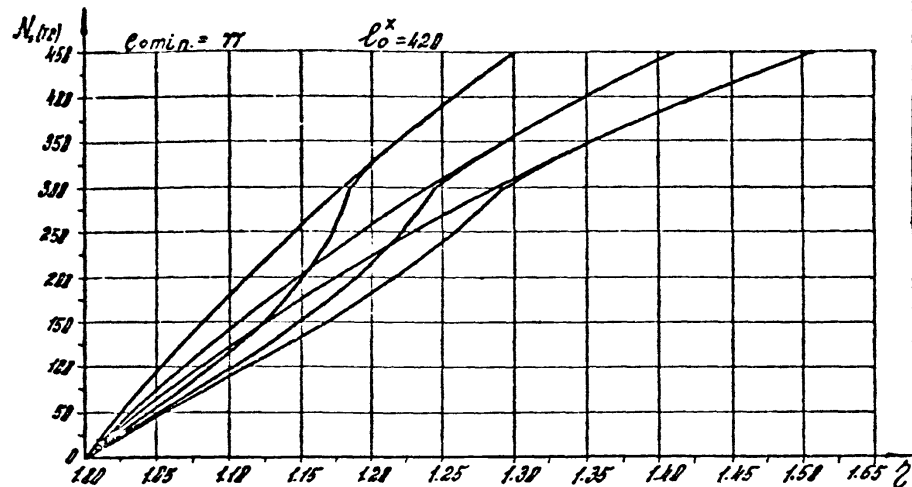
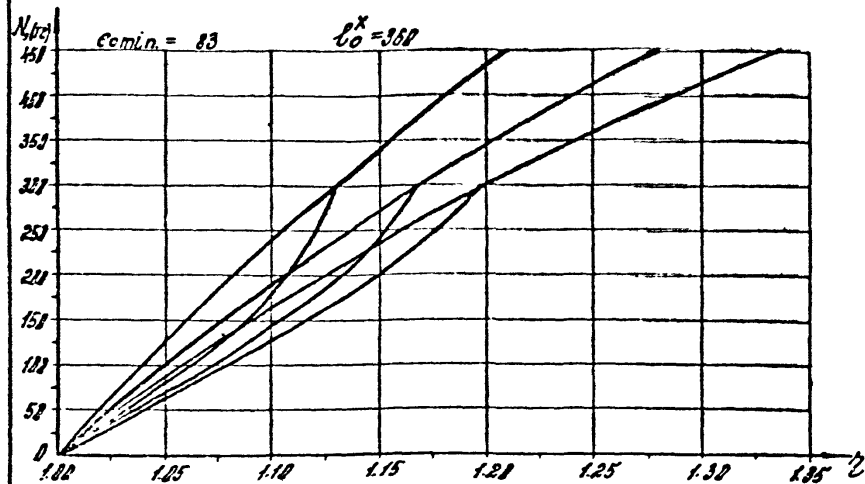


РАСЧЕТ СЕКЦИОНА В4Д ($R_b = 20151 \text{ кг/см}^2$ для бетона ($\beta_{b2} = 0.9$))

1020-1/87. 0-6- 3 П3

Вх. 32829 и 190

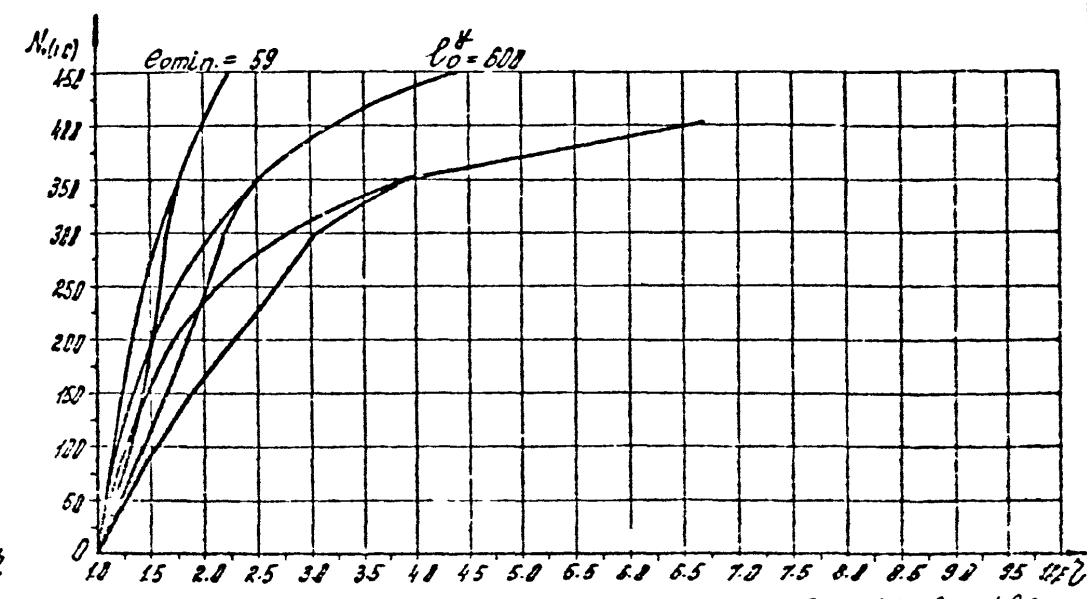
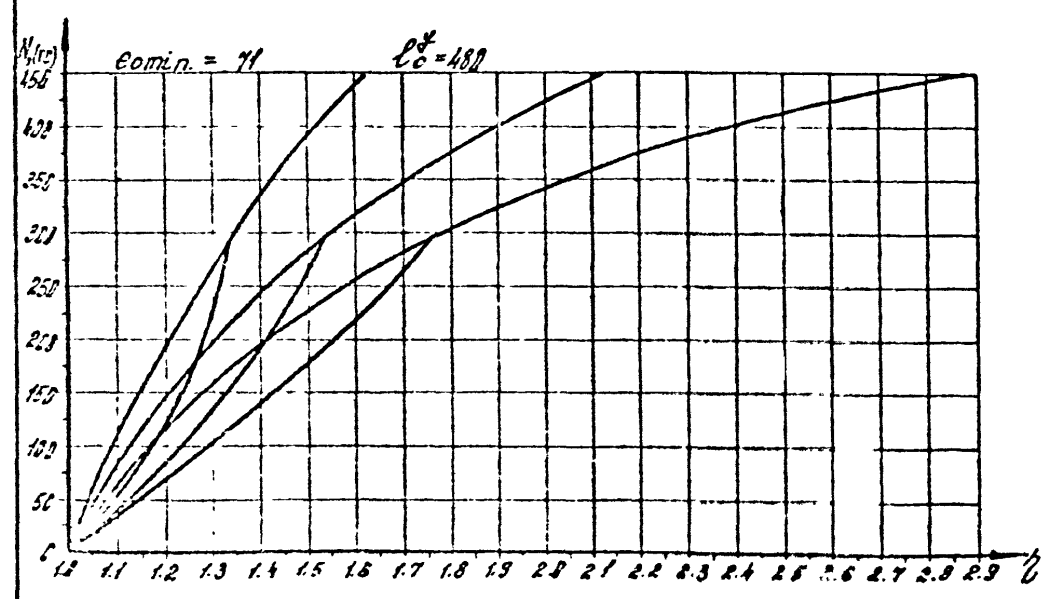
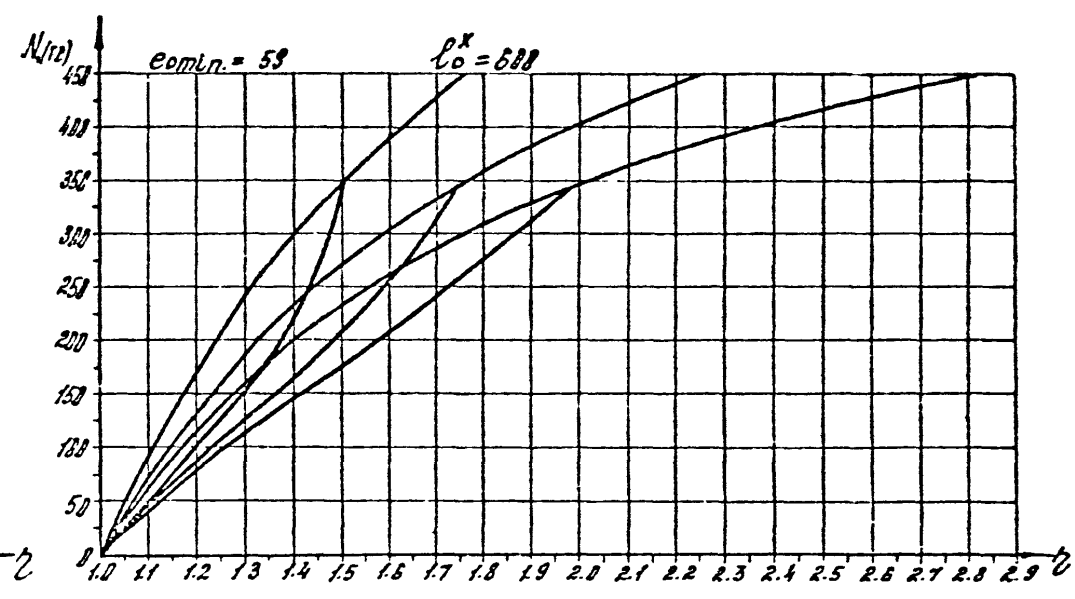
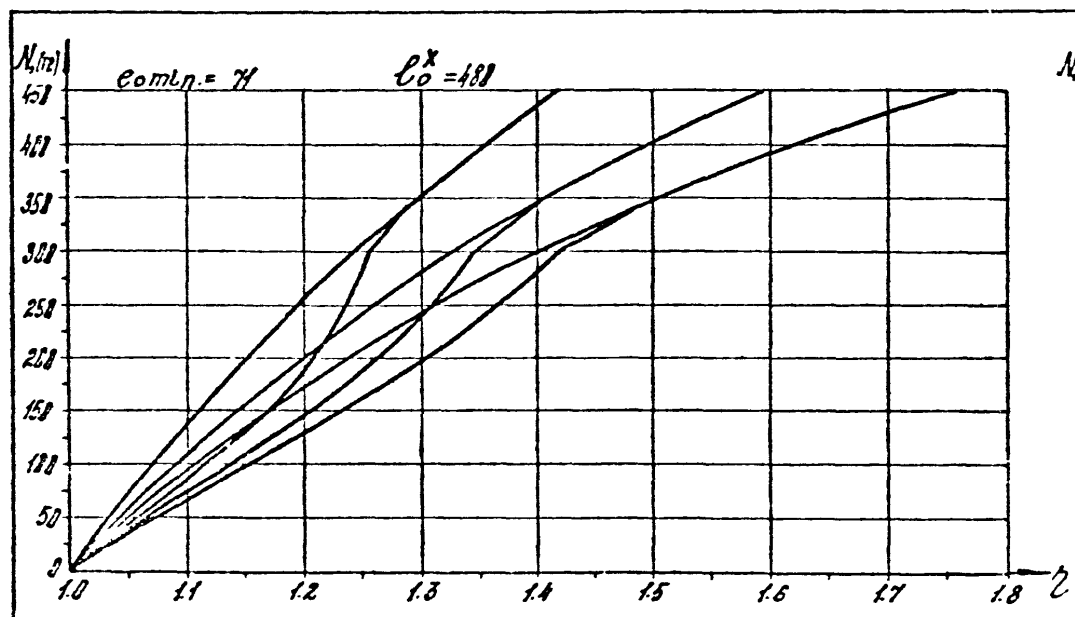
185



Box 32829 J.191

1.020. - 1/87.0-5-373

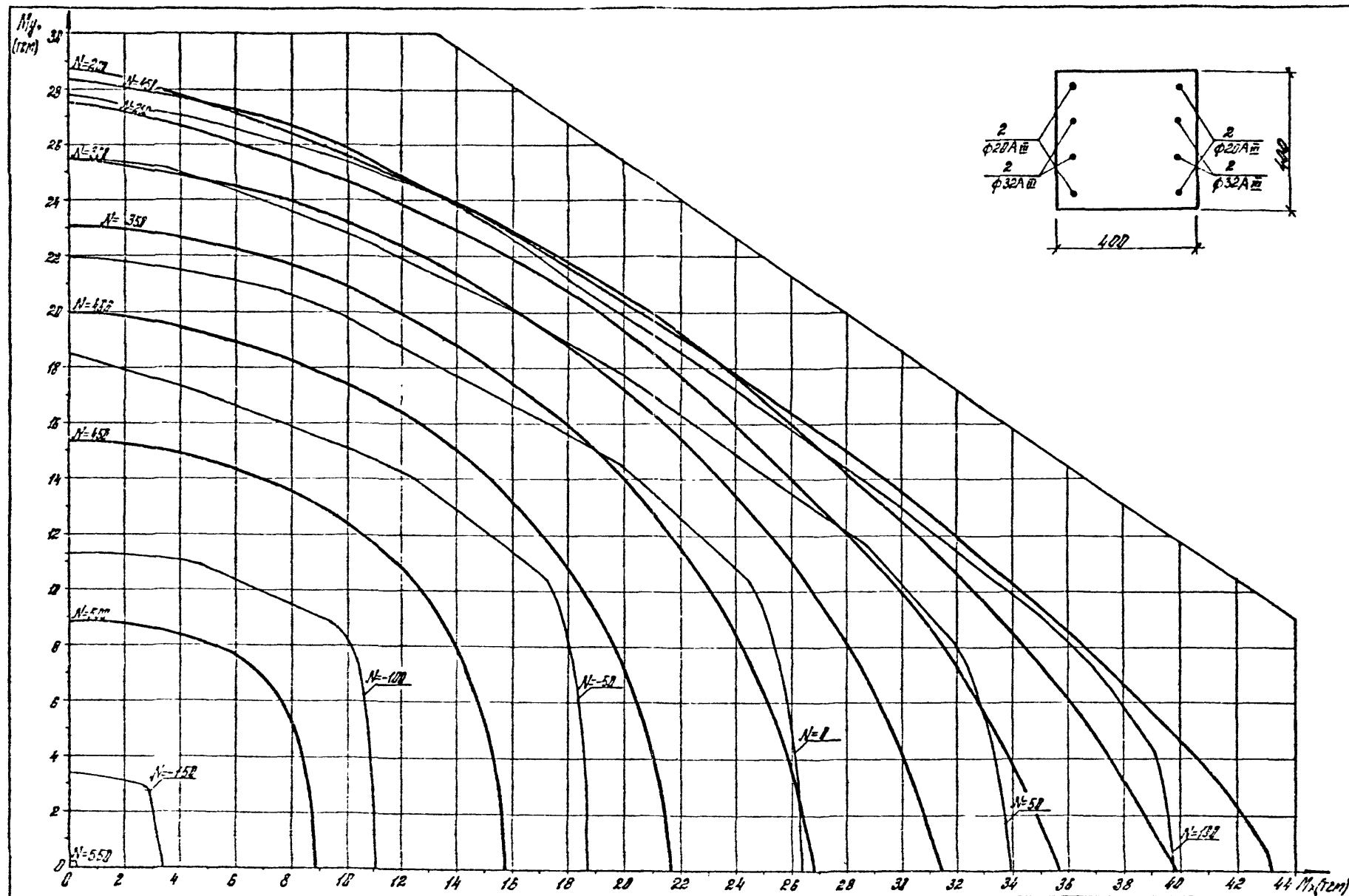
184



Bx. 32829 A. 192

1.020-1.87.0-5-3173

185

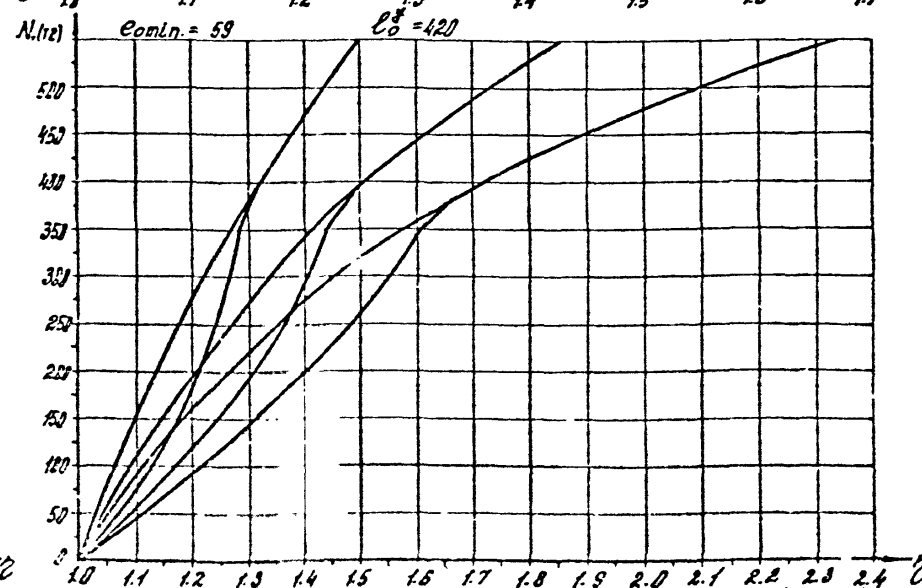
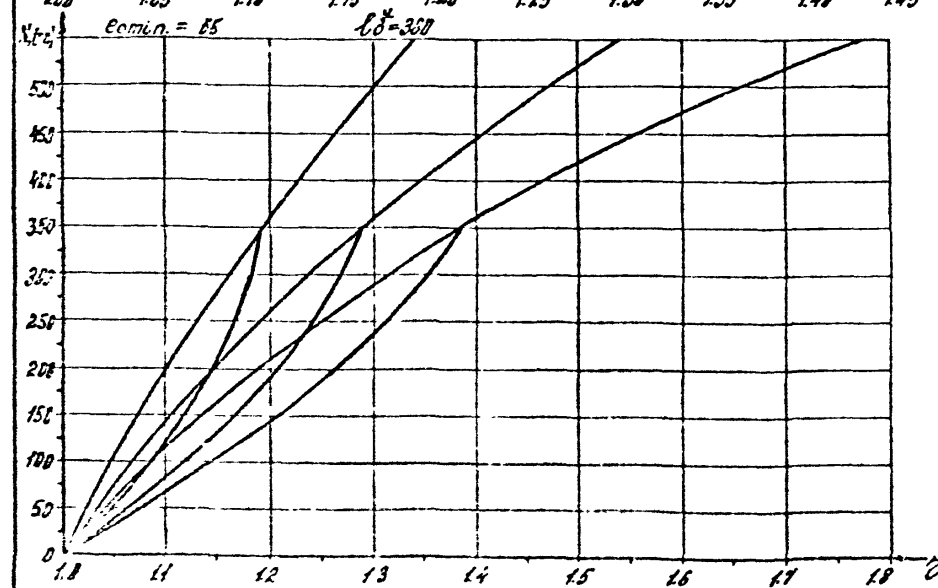
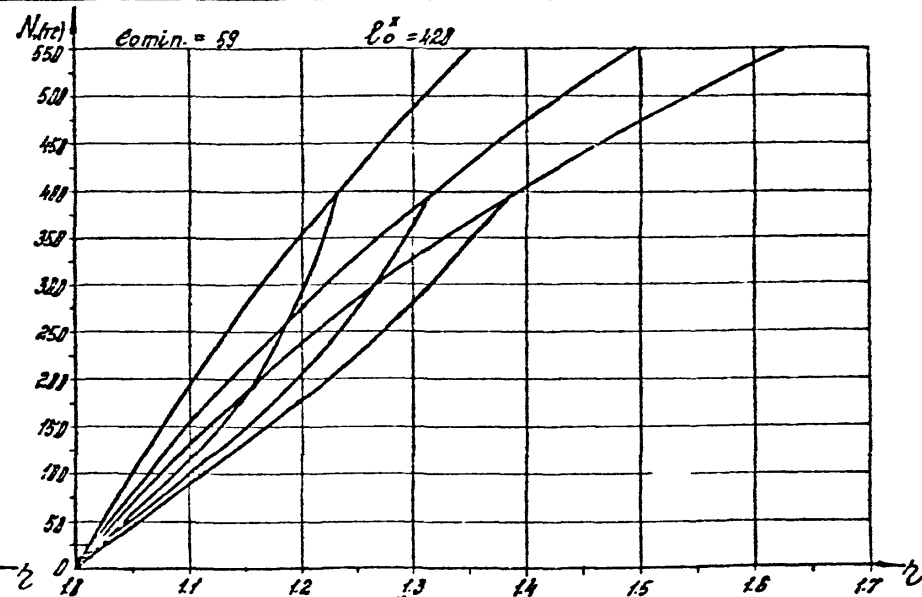
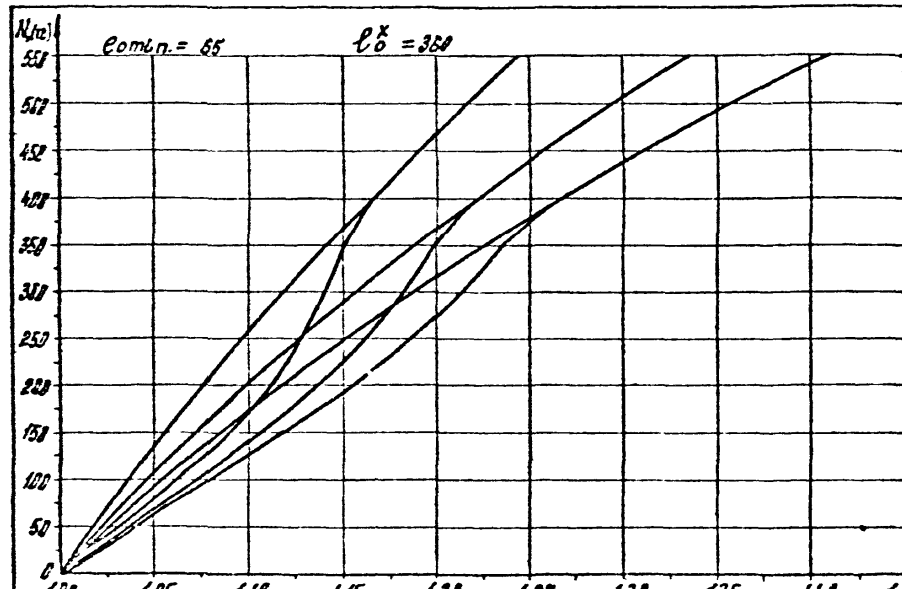


Кривые для бетона В40 ($R_b = 24.6$, 4.5 т/см^2 при $f_{b2} = 1.10$)

1.020.-1/87 0-6-313

Лист
196

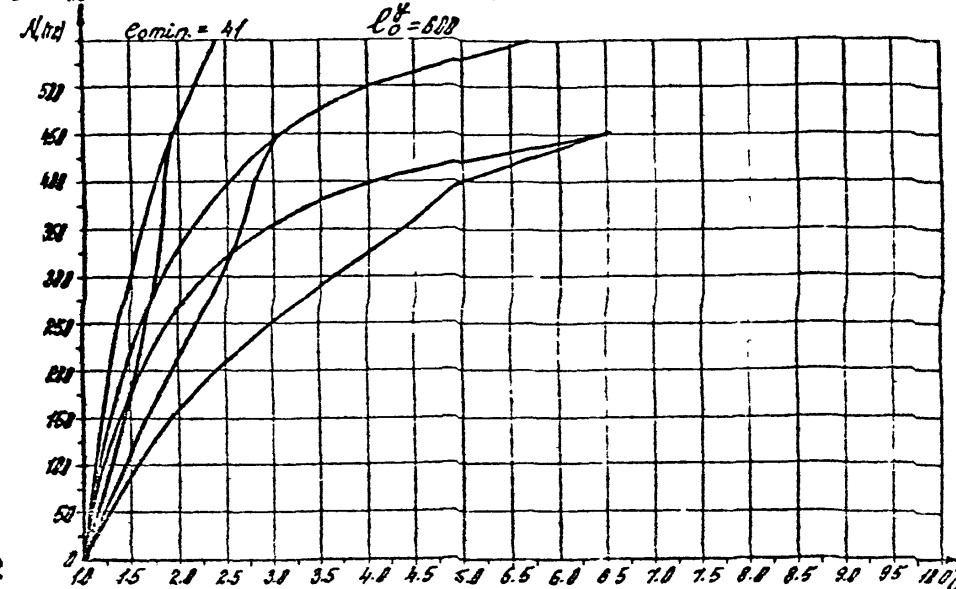
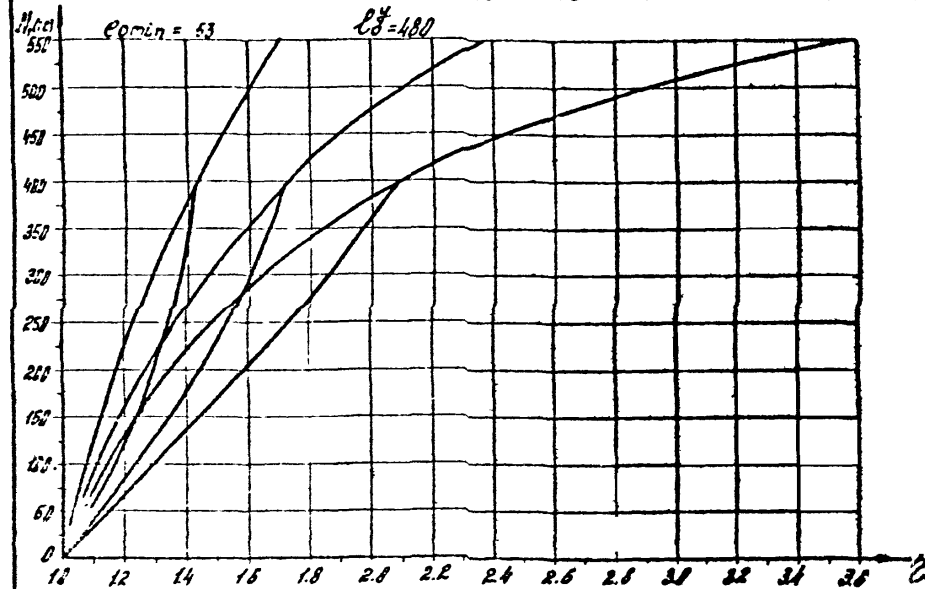
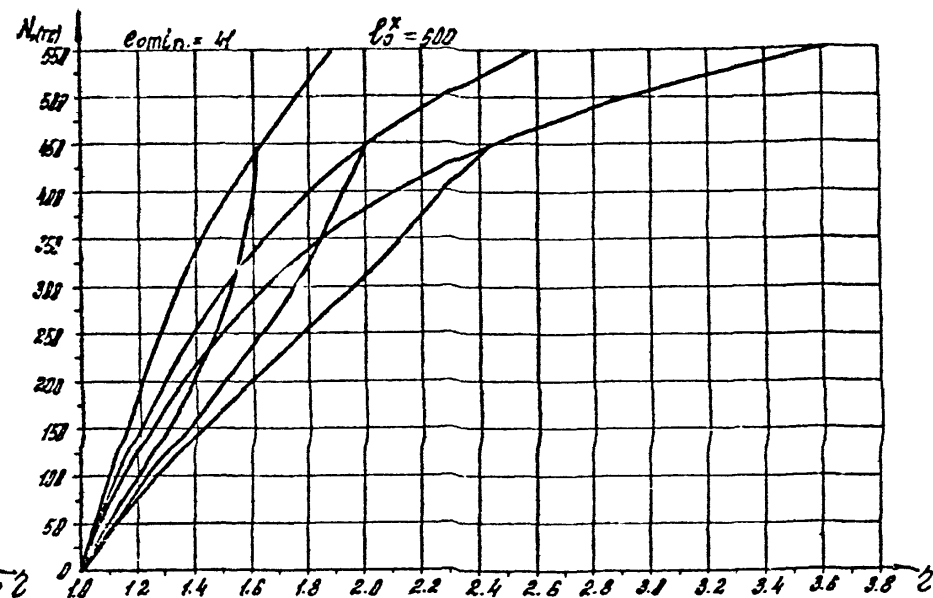
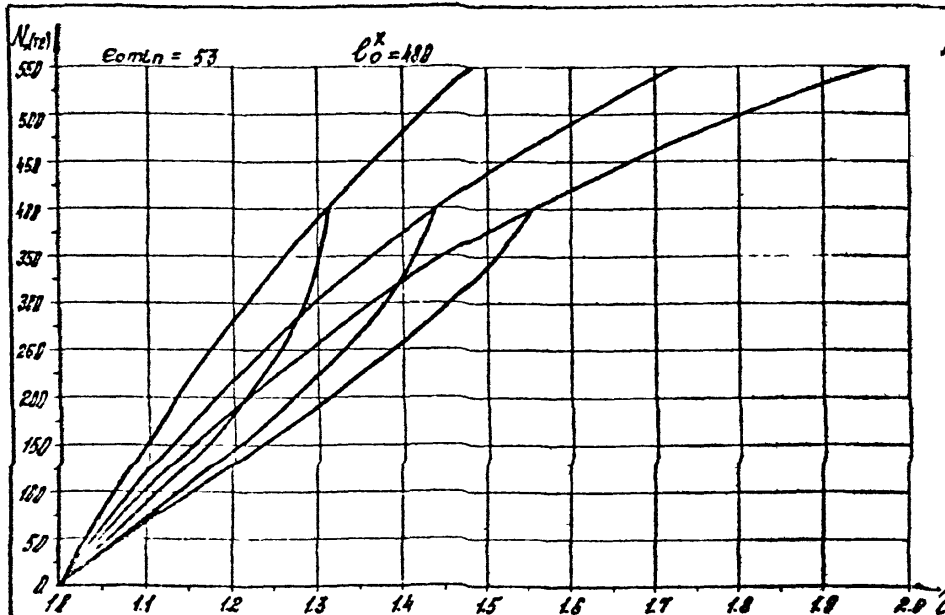
Вх. 32829 д. 193



Bx. 32829 A.194

1.020-1/87.0-6-313

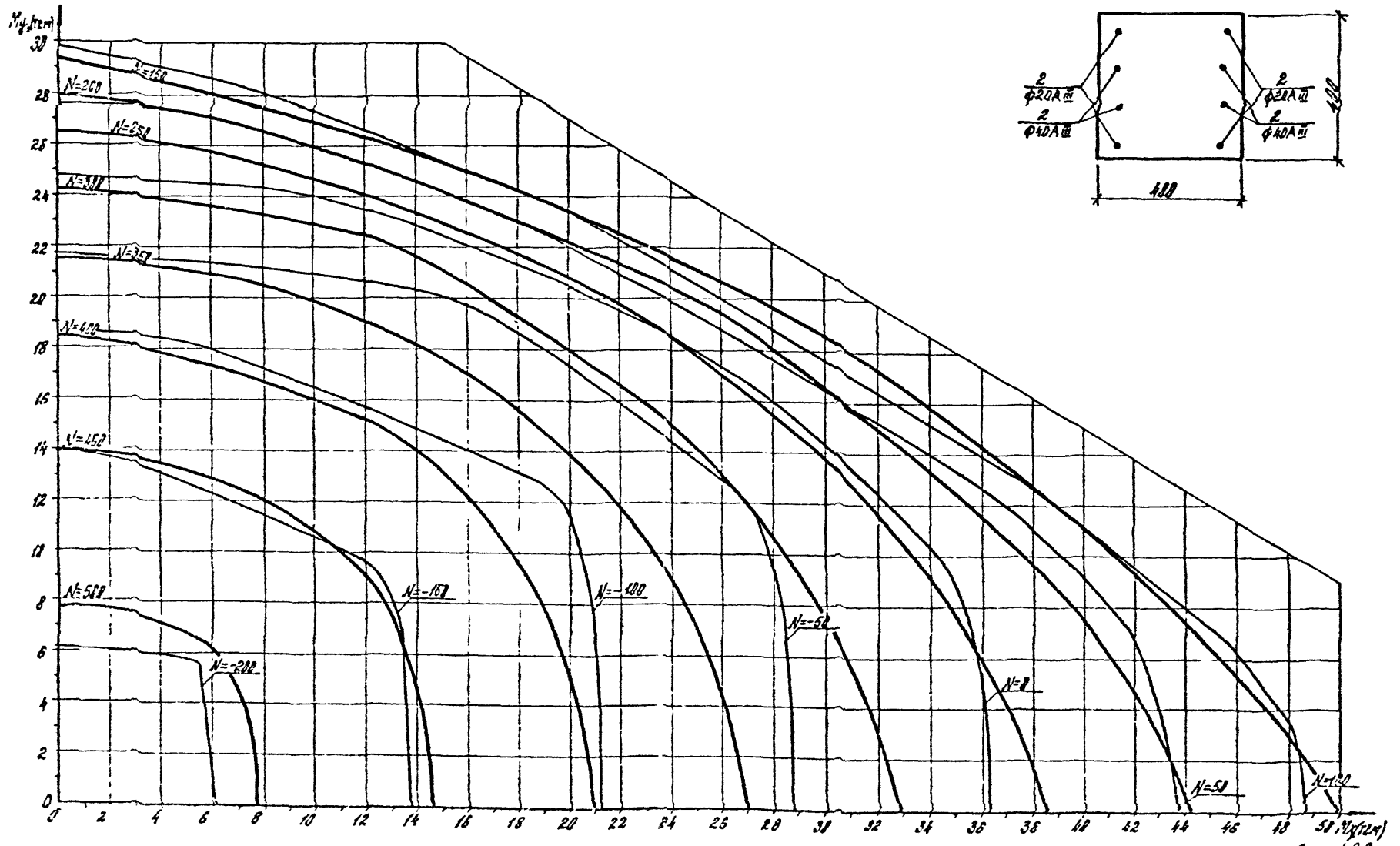
Sheet
187



1.020-1/87.0-6-373

168

Bx. 3.4.9 A. 135

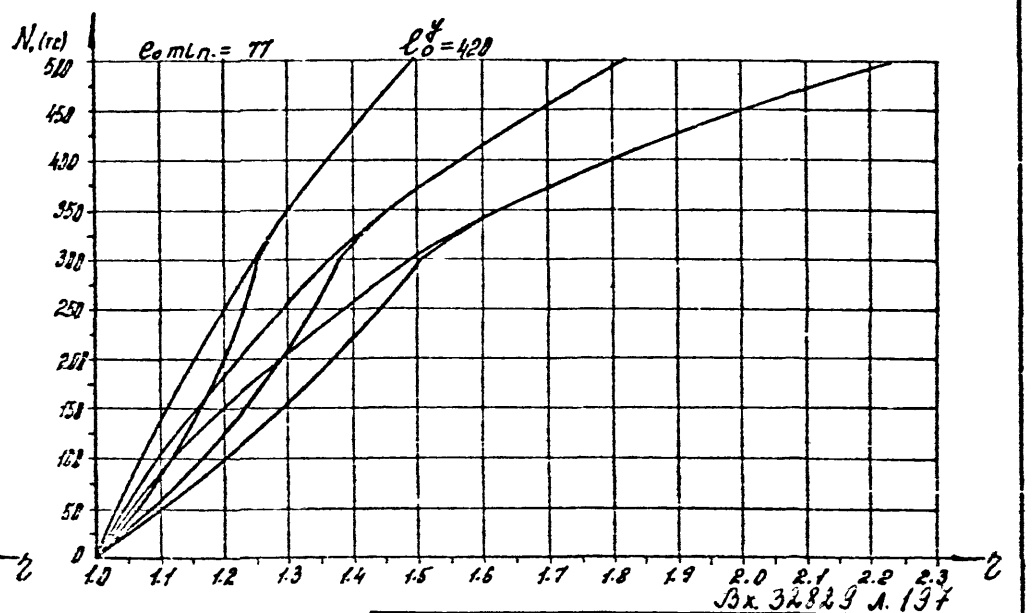
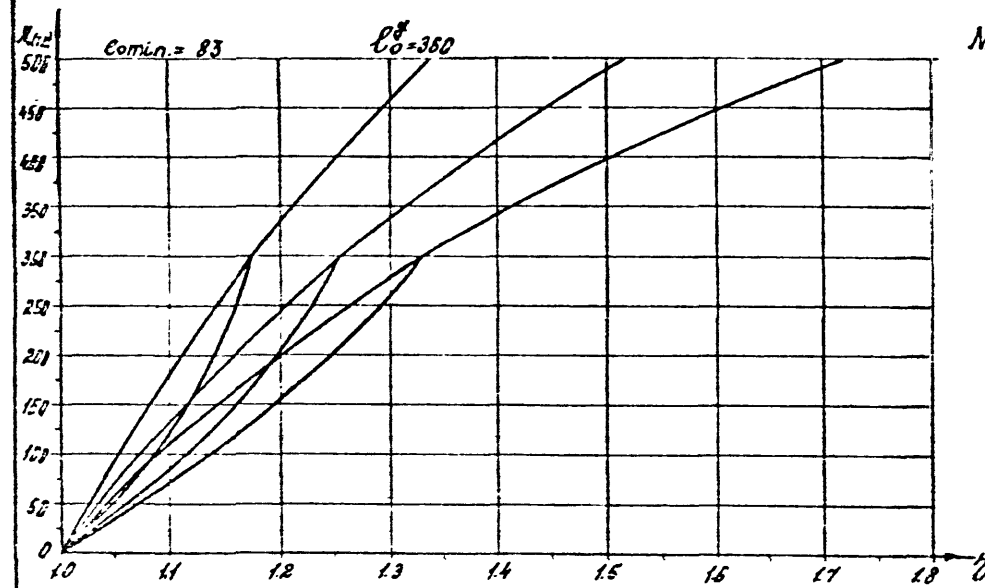
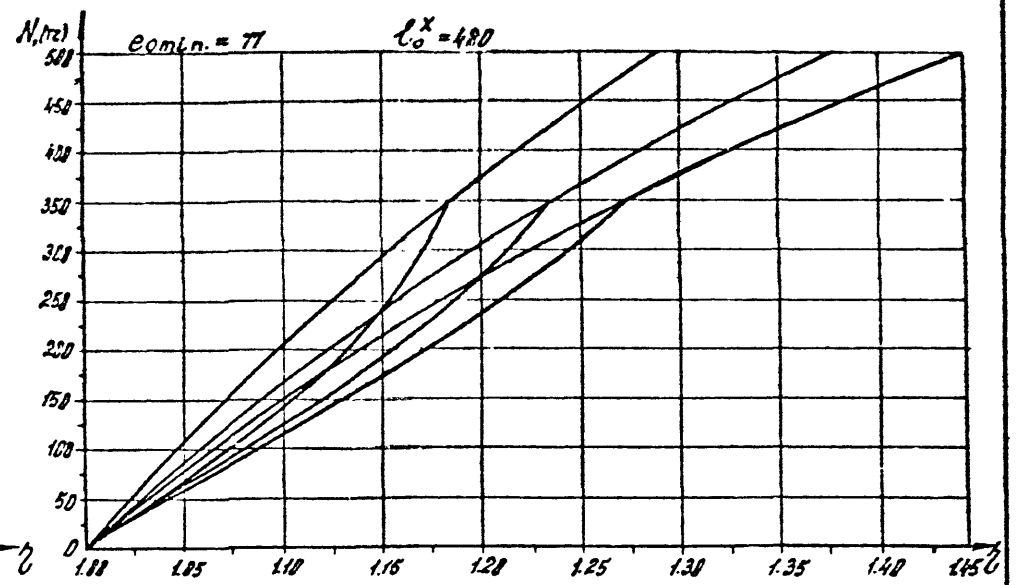
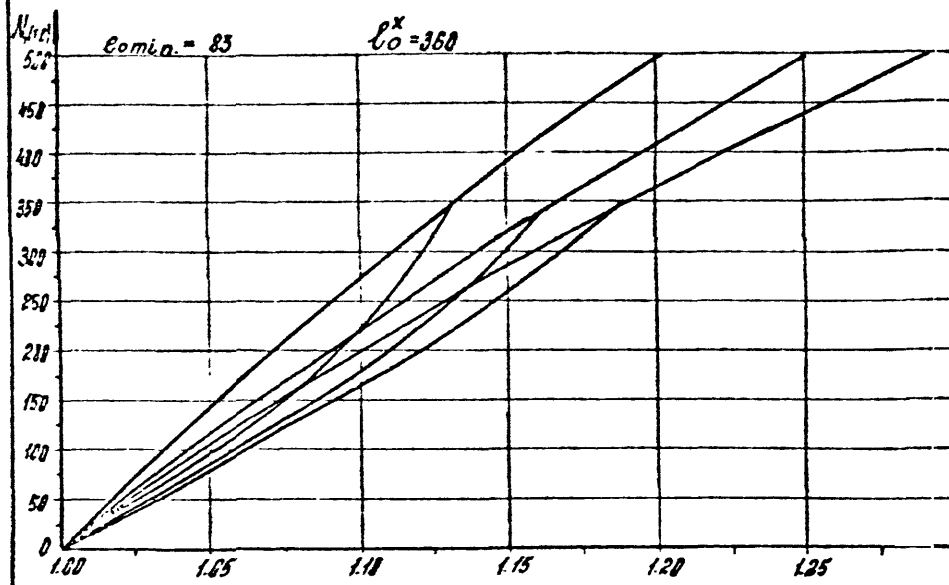


класс бетона В40 ($R_b = 20.6 \text{ МПа}$ при учете $\gamma_{b2} = 0.9$)

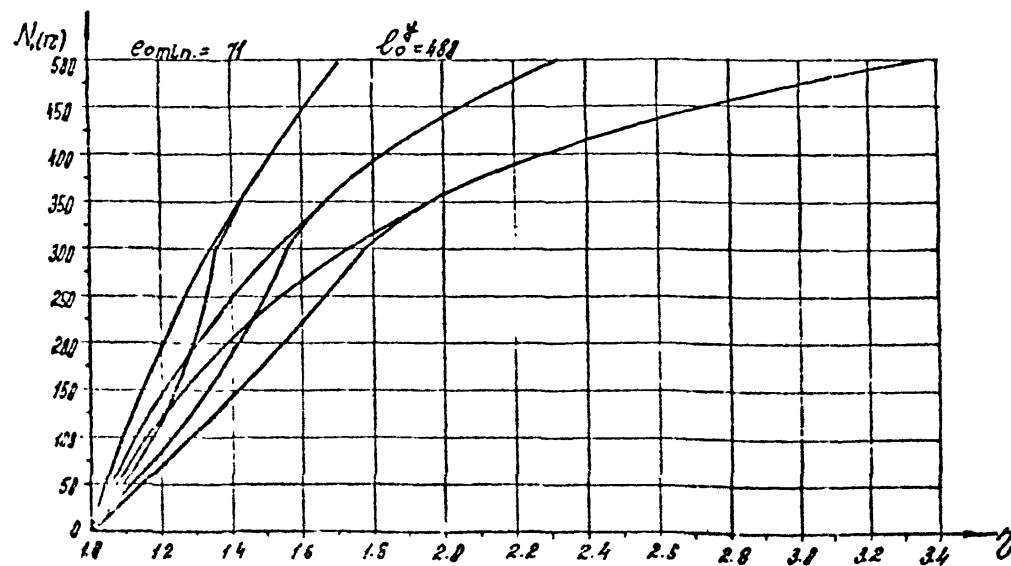
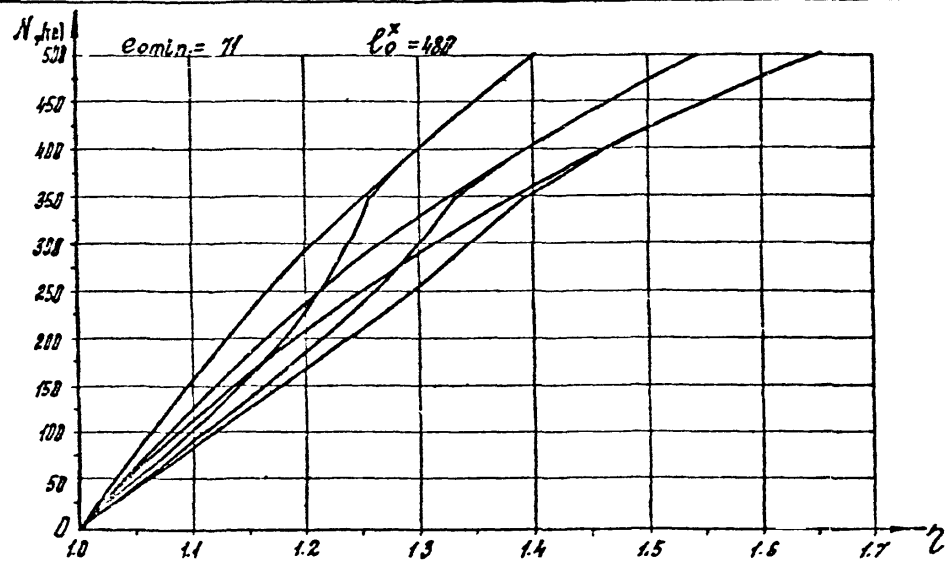
Дх. 3282.9 д. 196

1.020-1/87.0-6-313

двер
18.9



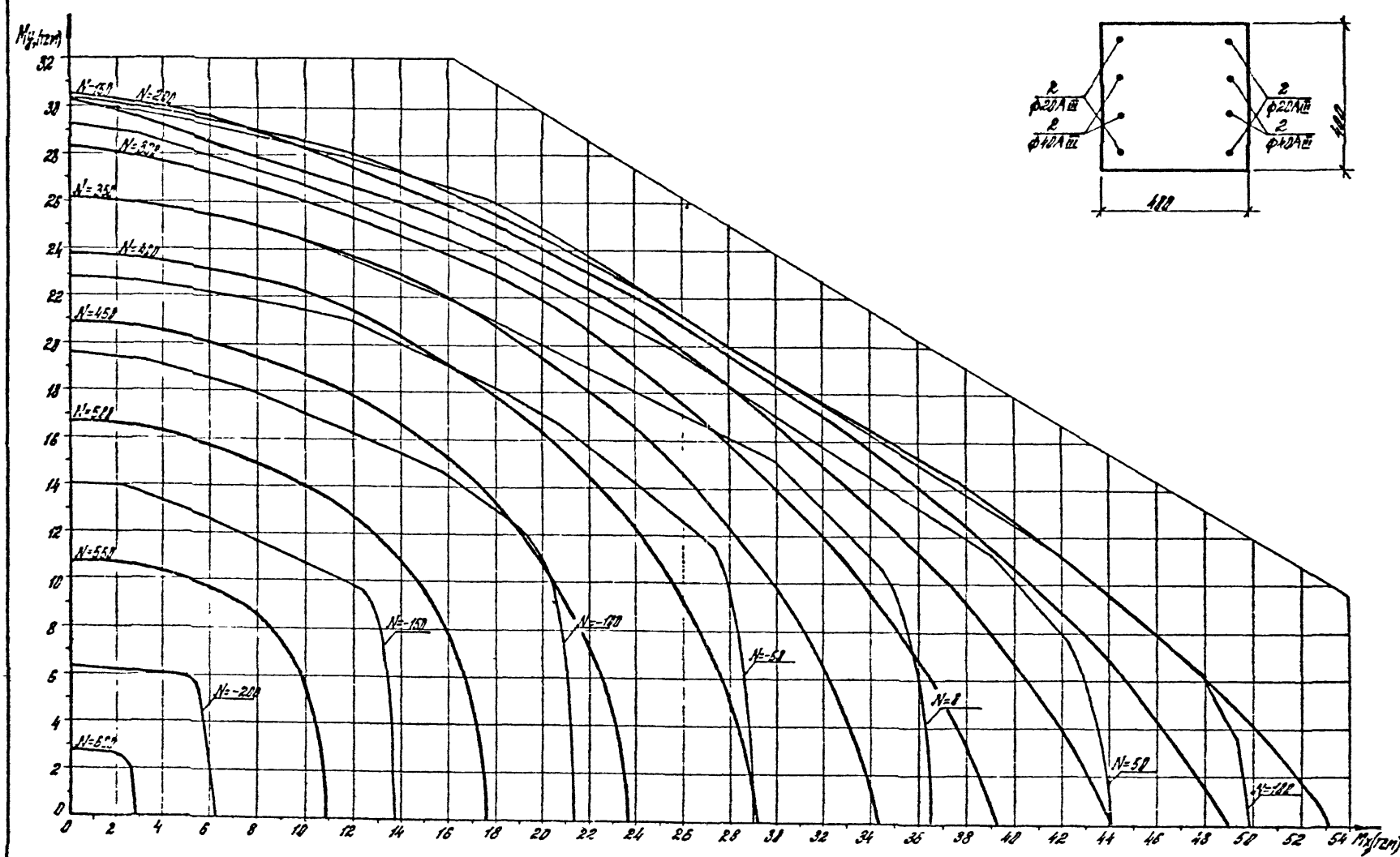
1.020-1/87.0-6-3173



Bx.32829 A.198

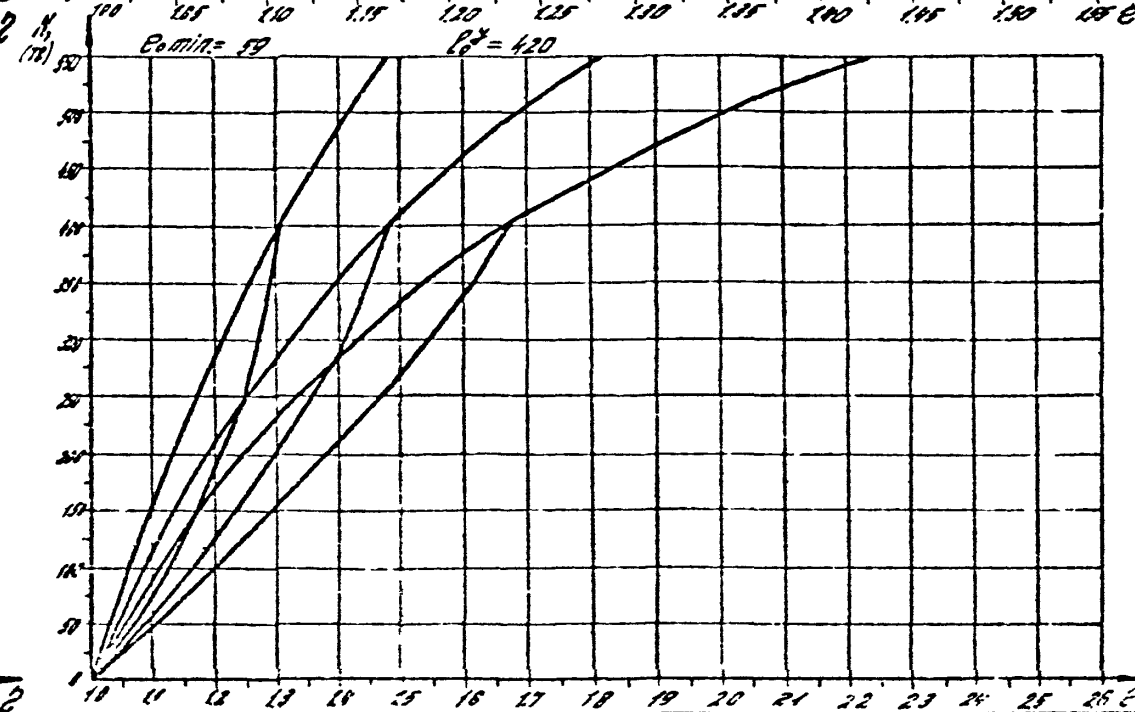
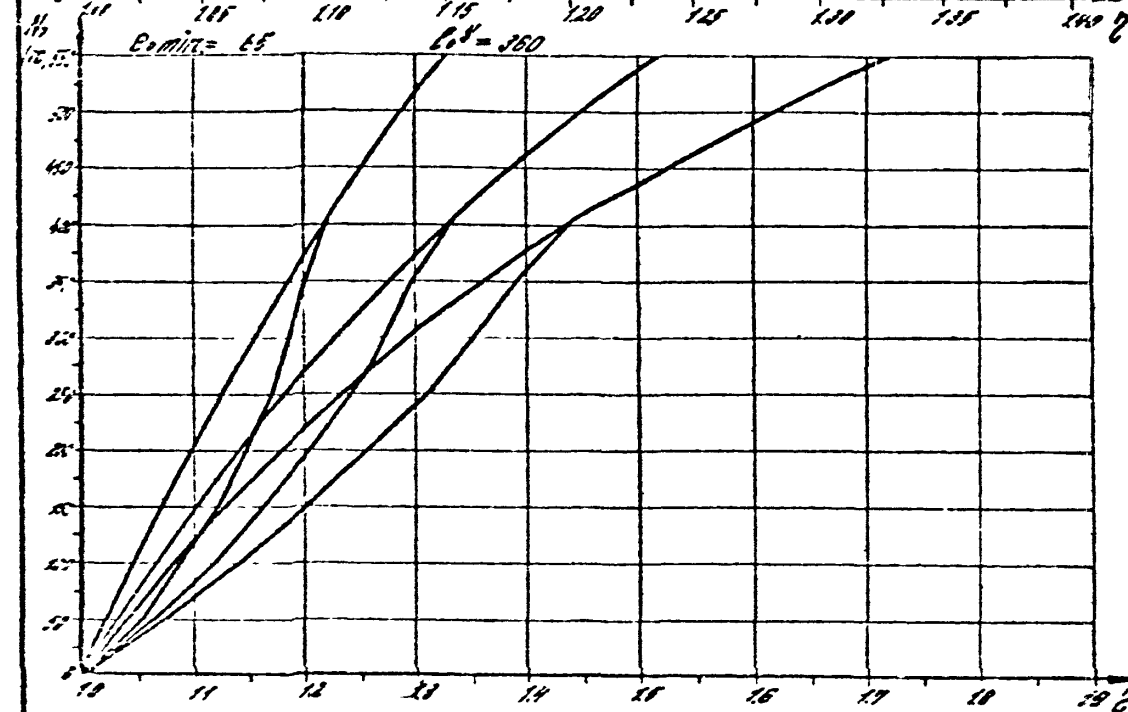
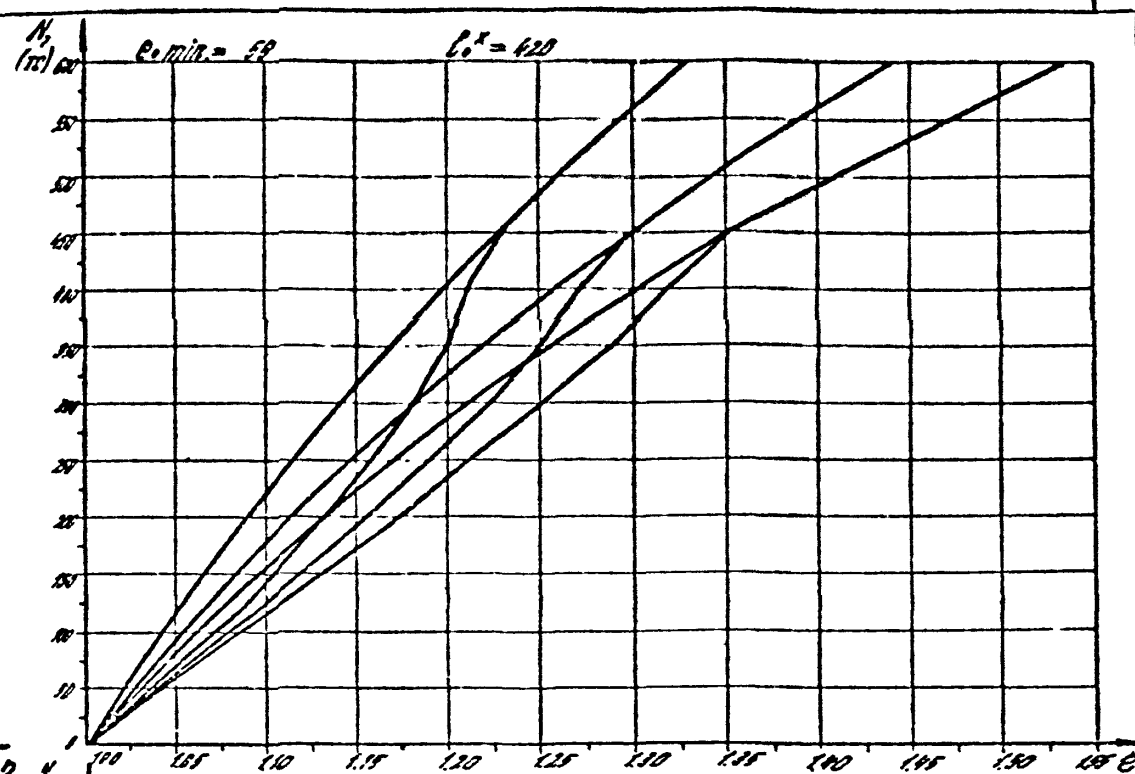
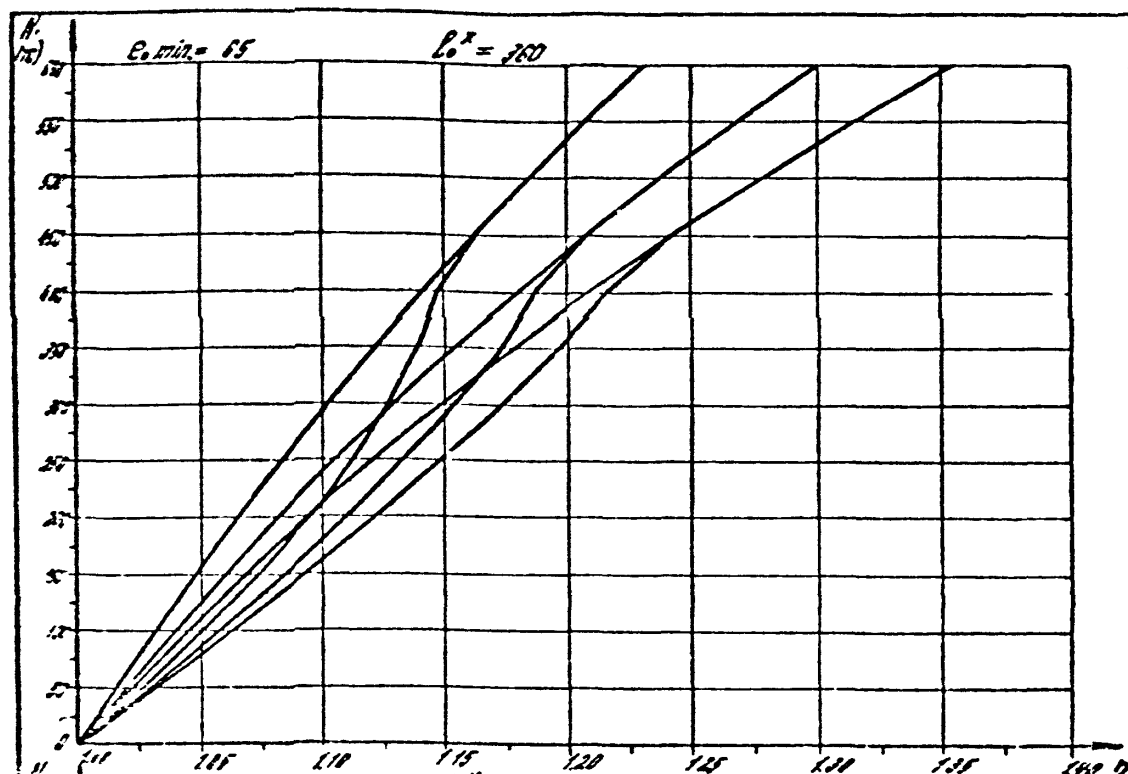
1.020-1/87.0-5-3113

class
191



класс бетона В40 ($R_b = 24.5 \text{ МПа}$) при $\gamma_{s2} = 1.10$

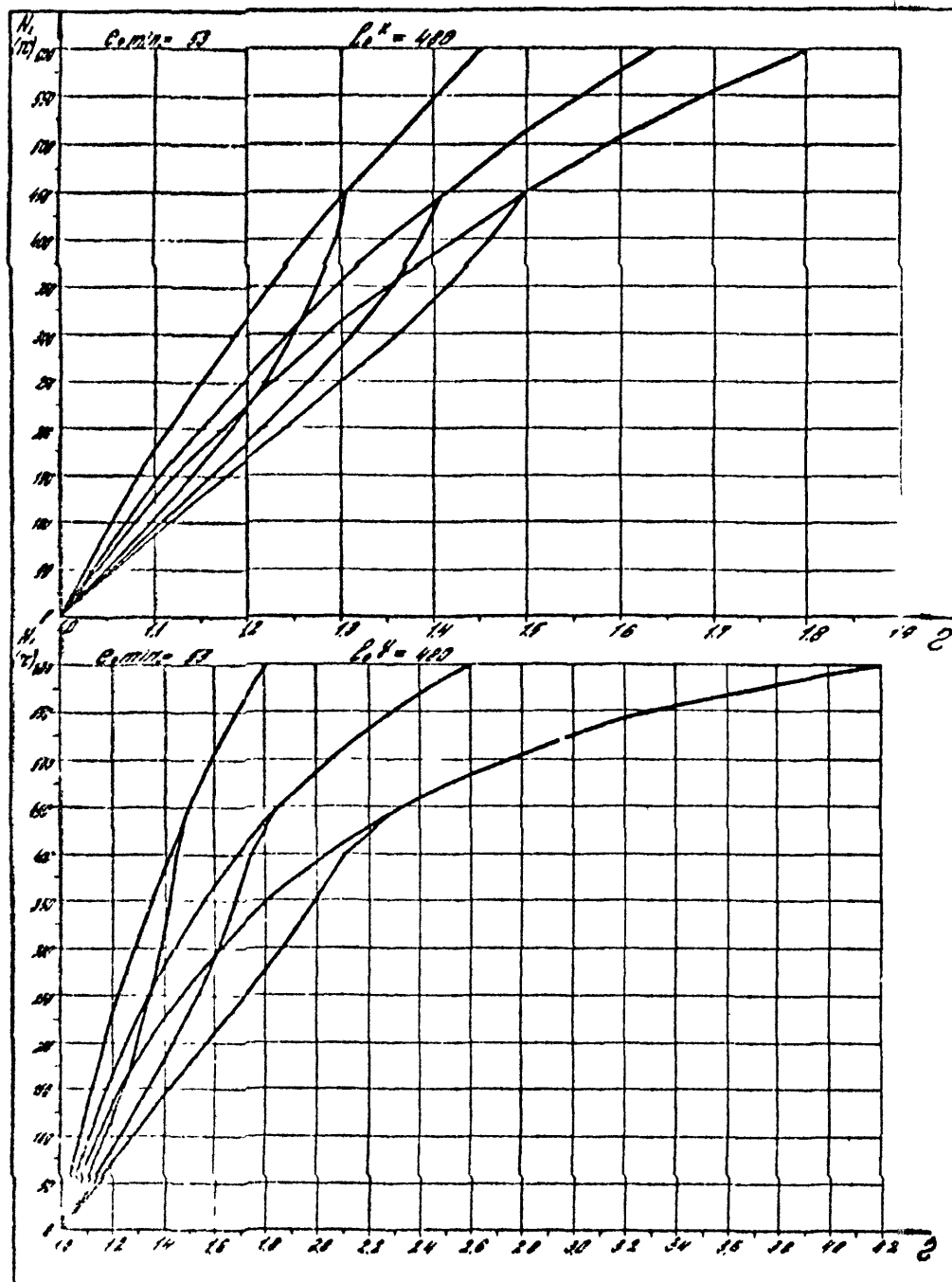
Дх. 32829 д. 199
1.020-1/87. 0-6-3 ПЗ
192



1020-1/87 O-C-3 173

193

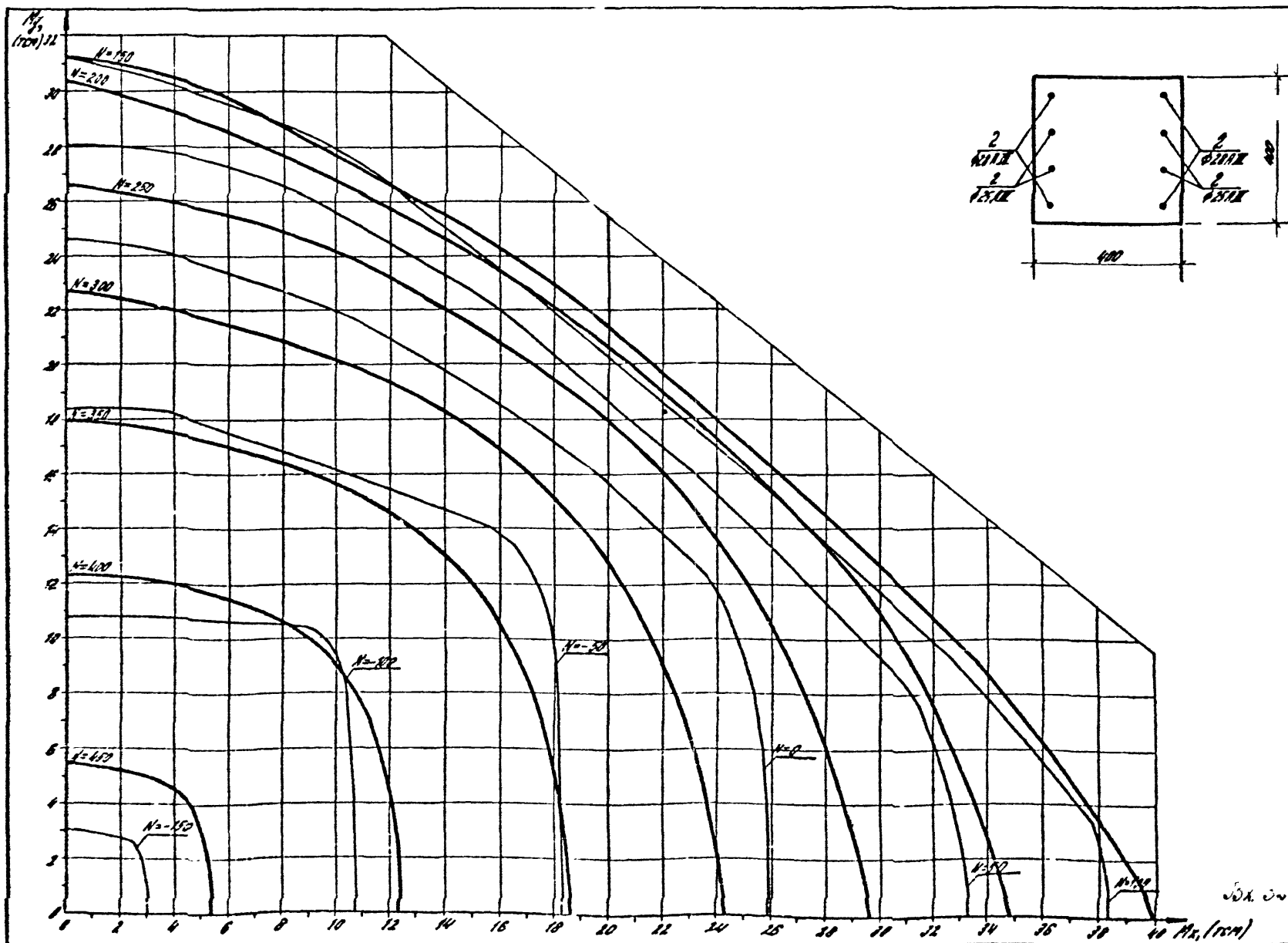
Bx. 32843 1200



S.A. 32824-A. 201

1.020-1/87.0-6-3 173

1/87
194



Класс бетона В40 ($R_b = 201.6 \text{ кгс/см}^2$ при учете $\gamma_{f2} = 0.9$)

1020-1/87. 0-6-3 ПЗ

Лист
195