

ТИПОВЫЕ КОНСТРУКЦИИ, ИЗДЕЛИЯ И УЗЛЫ ЗДАНИЙ И СООРУЖЕНИЙ

СЕРИЯ 1.020.1-4

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

выпуск 0-9

УКАЗАНИЯ ПО ПОДБОРУ ЭЛЕМЕНТОВ КАРКАСА.

(Вариант армирования изделий сталью классов Ат-IVС и Врп-I).

часть 2

СТР.12-239

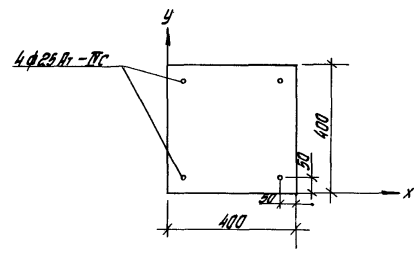
Книга 1

СТР.(112-175)

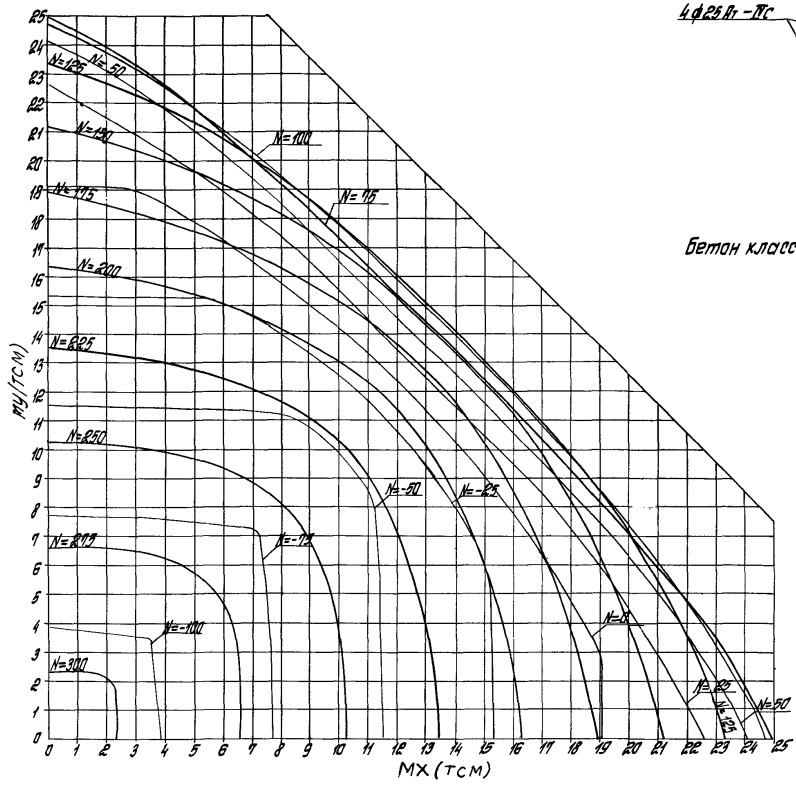
НАЧАЛО

24 166-02

ЦЕНА 9-88

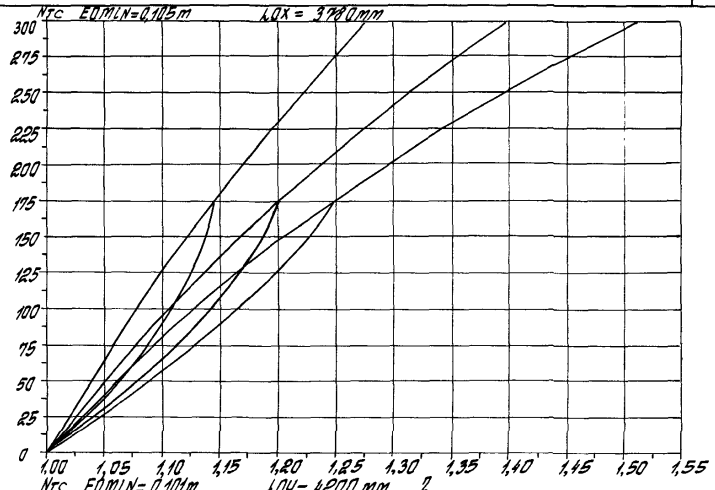
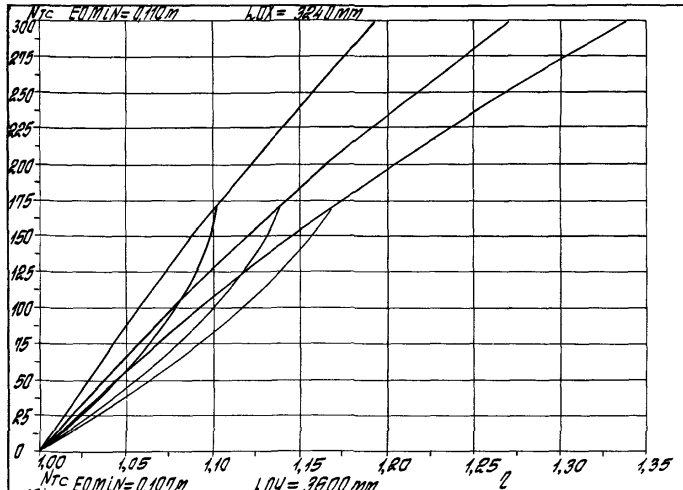


Бетон класса В22,5 ($R_{B2} = 4,3 \text{ МПа}$ при учете $\gamma_{B2} = 1,10$)
 Сталь класса А1-III
 Код сечения -113а



1.020.1-4 0-9 002

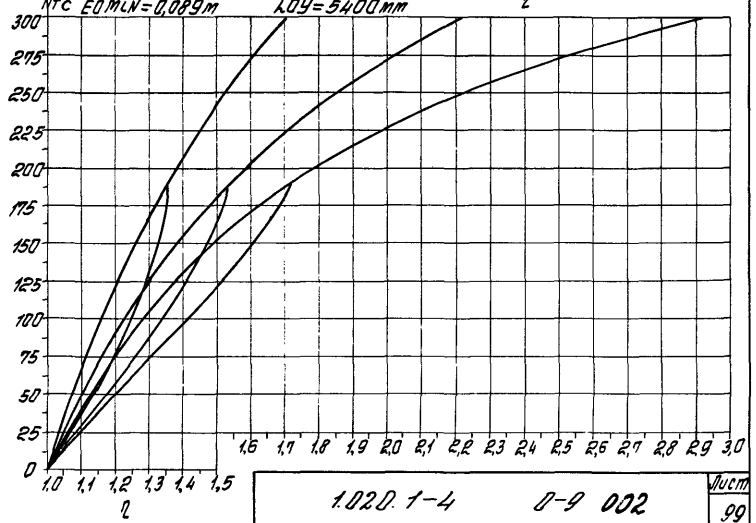
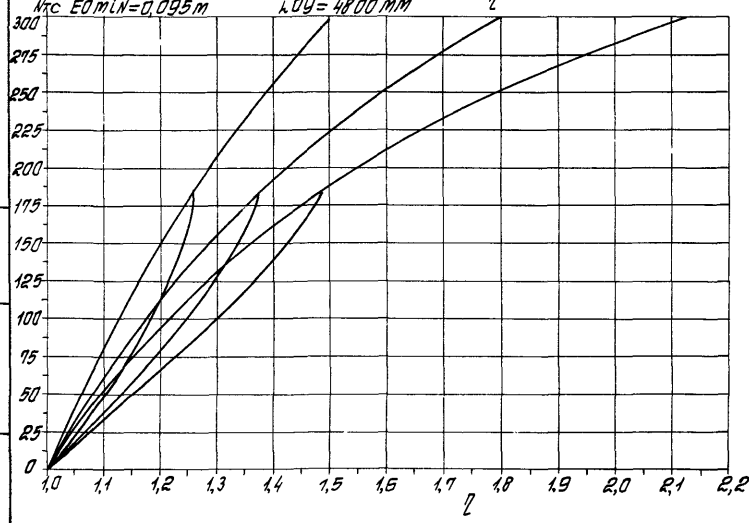
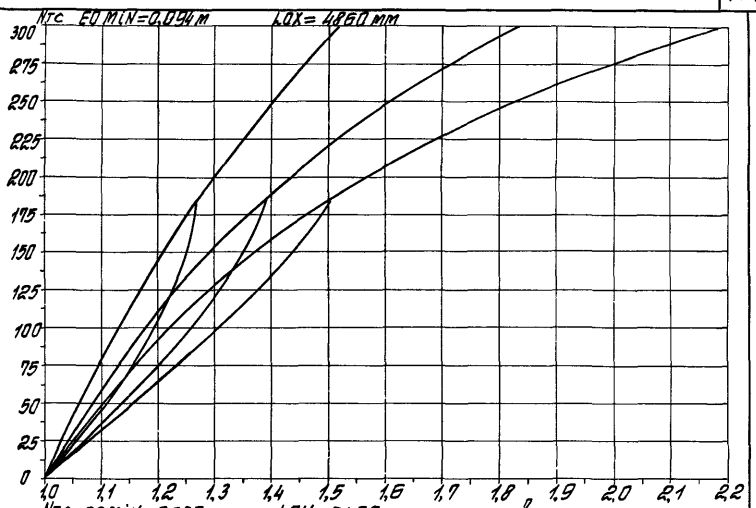
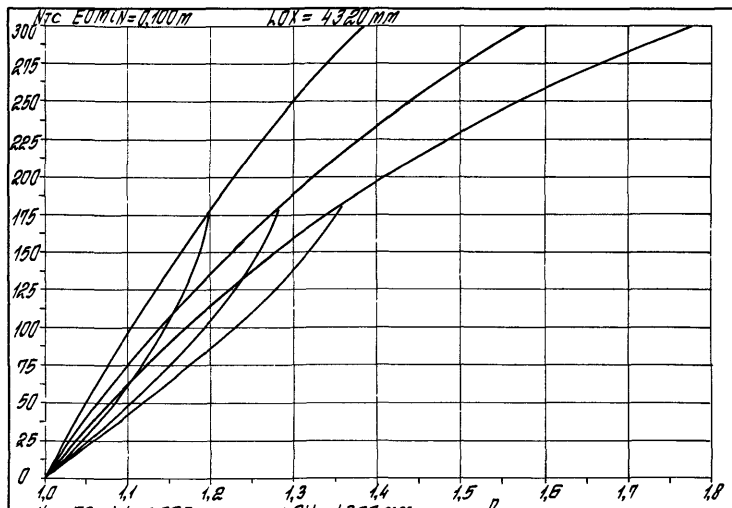
Лист	97
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MATERIALES

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 1,0 1,1 1,2
 1,020.1-4 0-9 002

INCH
98

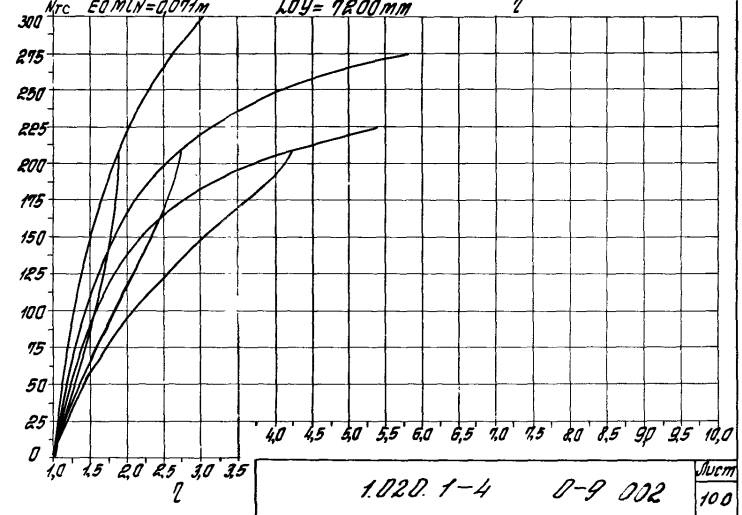
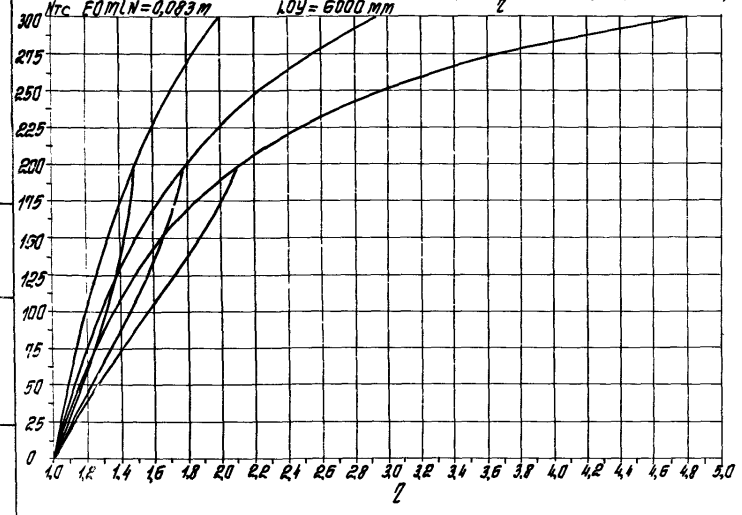
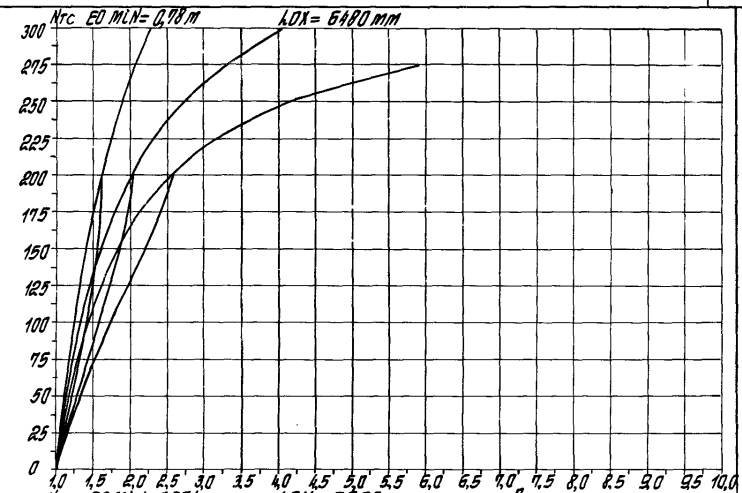
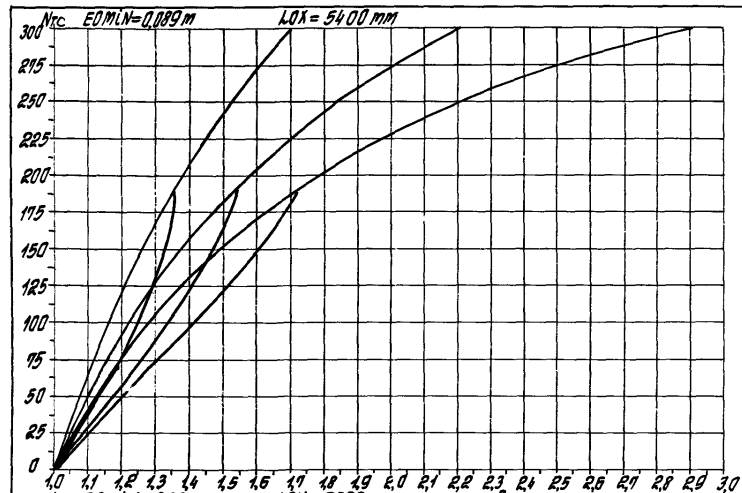


Умножить на коэффициент 1000

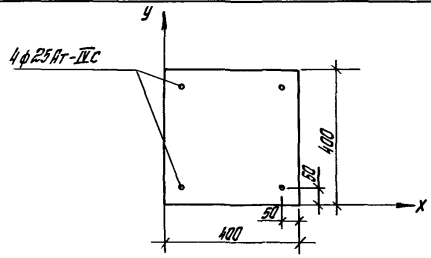
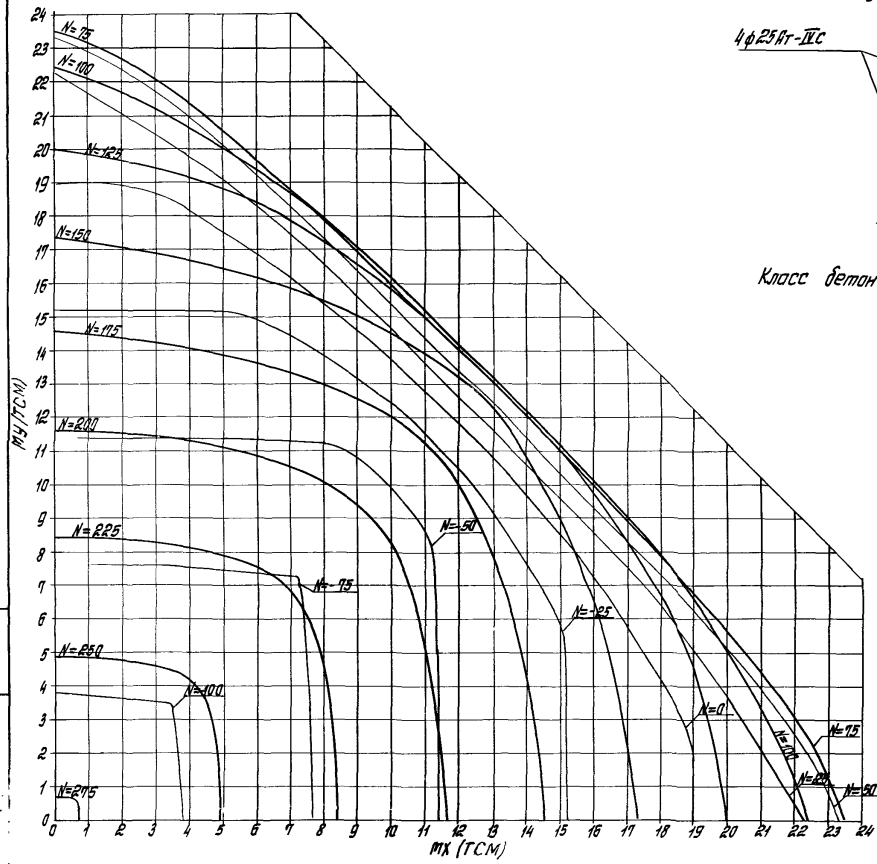
1.020.1-4 0-9 002

1/1000
99

ДИП. № 0004. Изобретение в области. Вязальн. мш. № 1

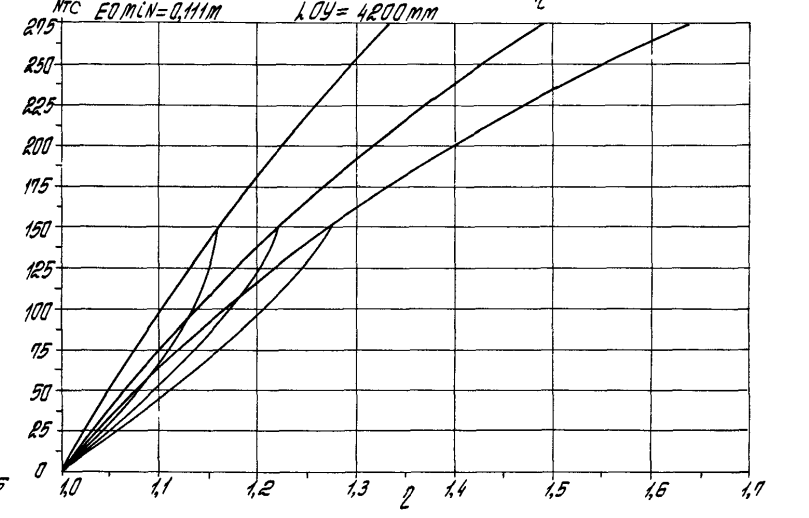
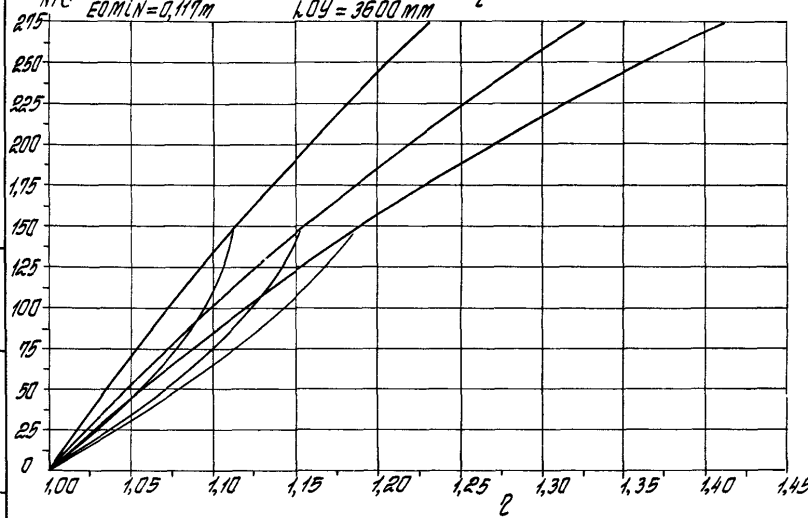
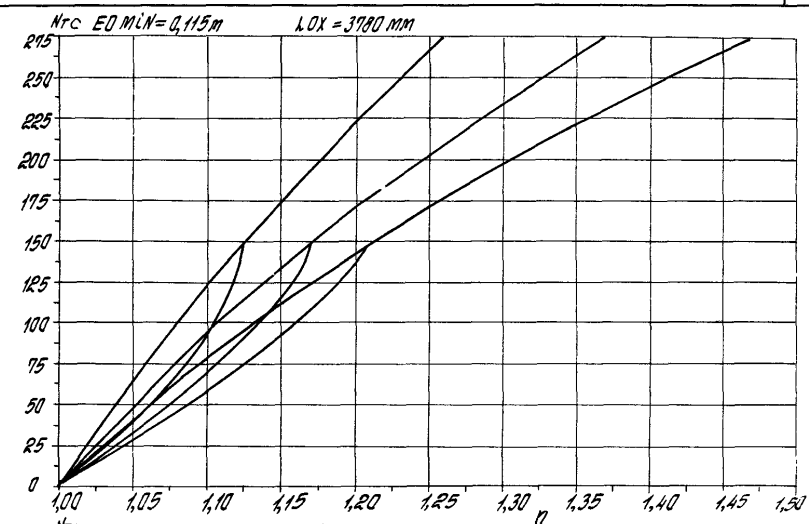
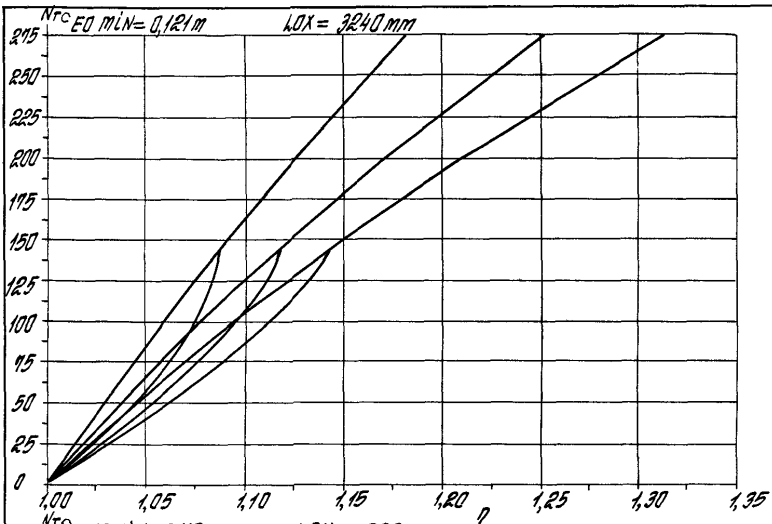


1020. 1-4 0-9 002 Шум 100

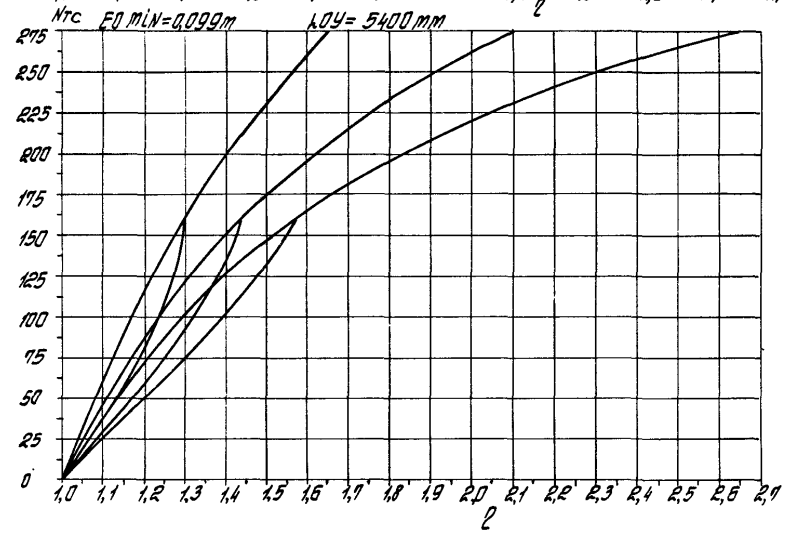
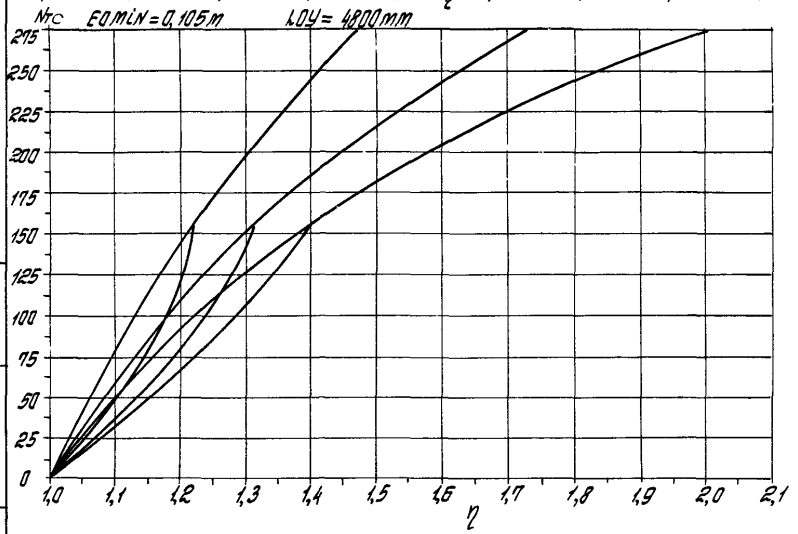
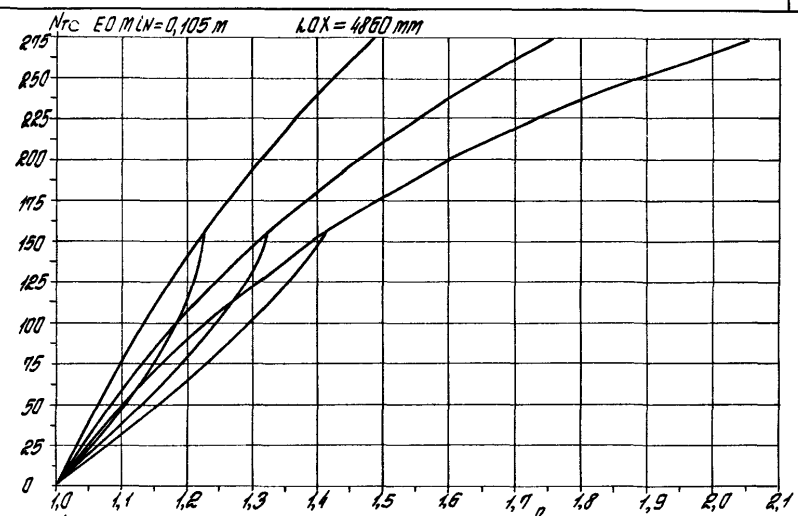
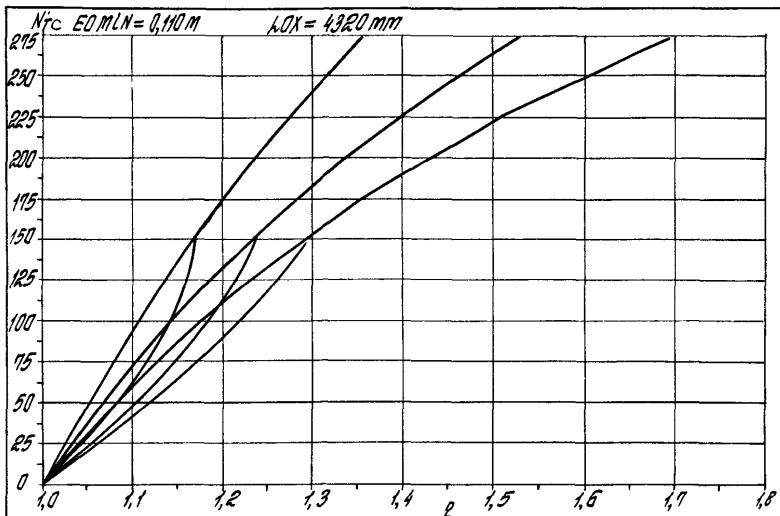


Класс бетона В=22,5 ($R_b = 11,7 \text{ МПа}$ при учете $\gamma_{b2} = 0,90$)
 Сталь АТ-ІІС
 Код сечения -1135

1.020. 1-4 0-9 002

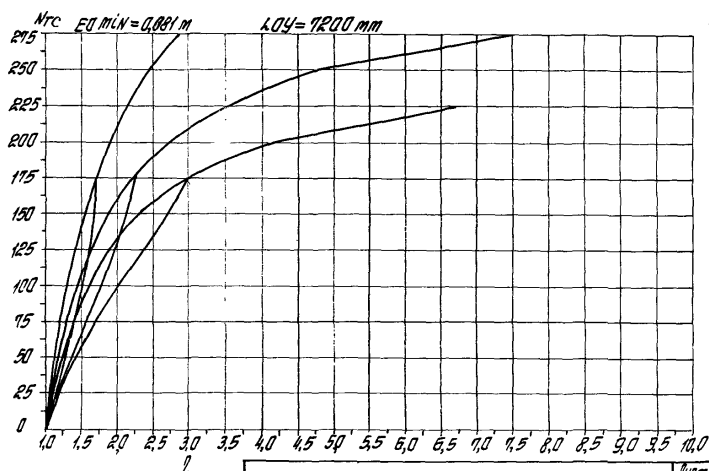
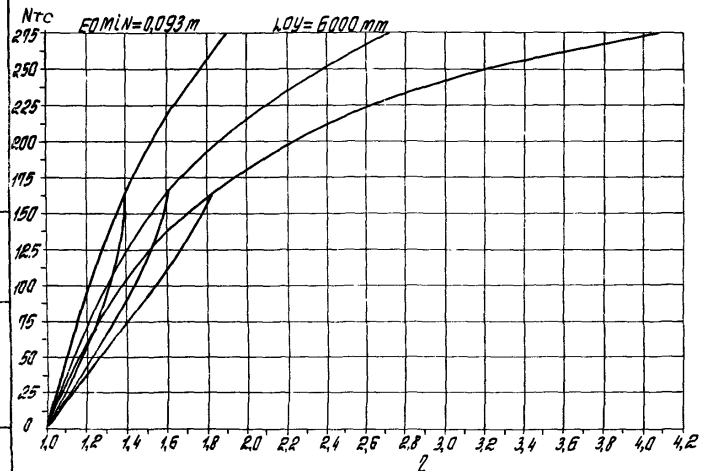
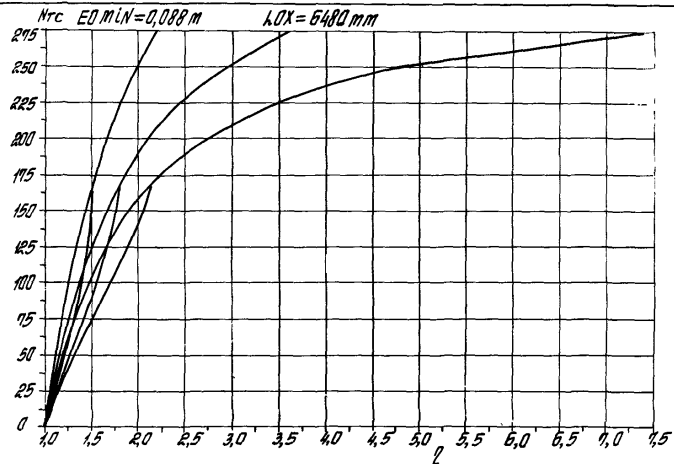
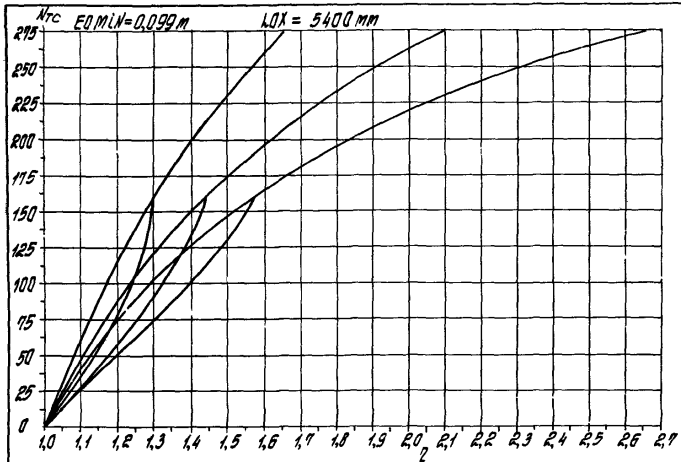


Чит. № 1022. Выпущено в свет 12.02.1952 г.



118
 103
 0-9
 1-4
 1020

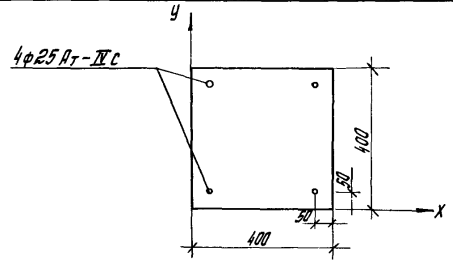
1020. 1-4 0-9 002 103



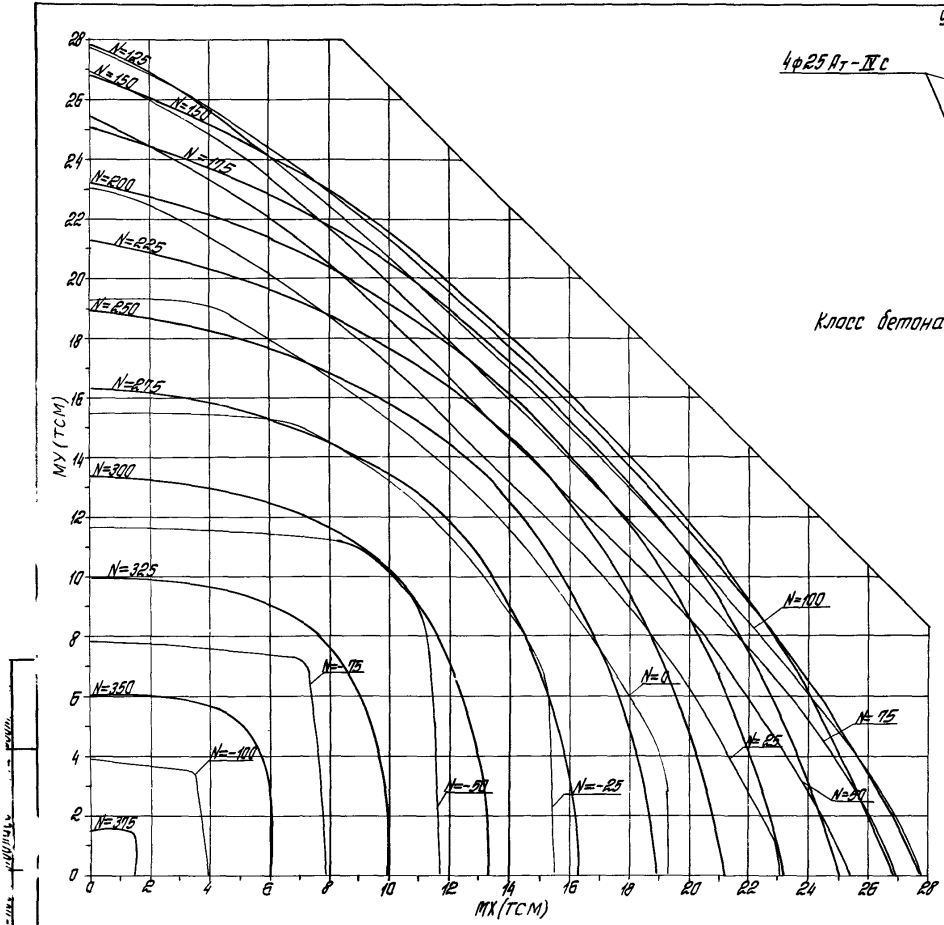
1.020.1-4

0-9 002

л/см
104

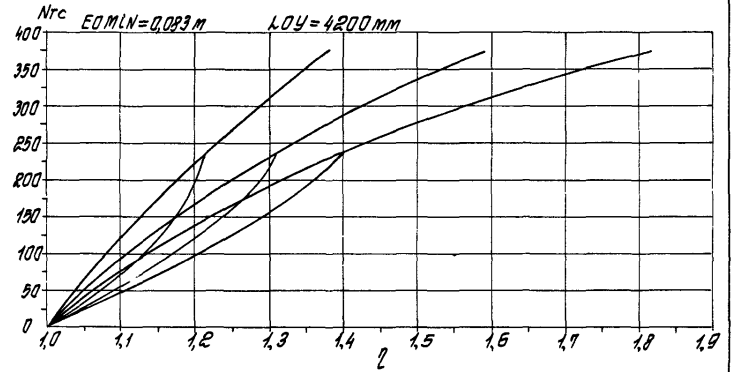
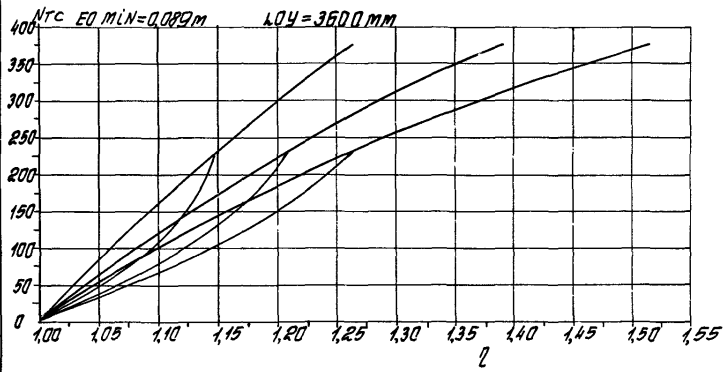
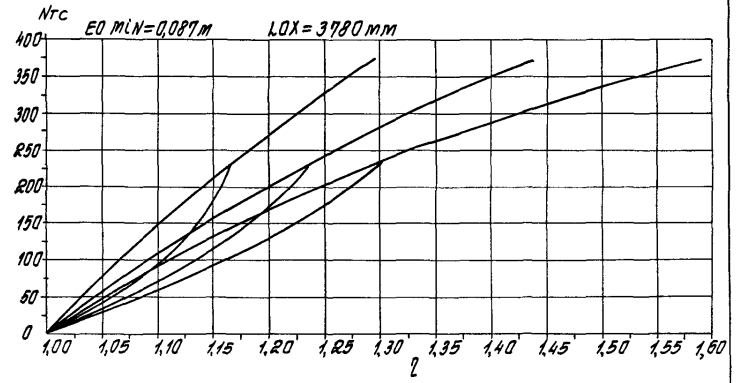
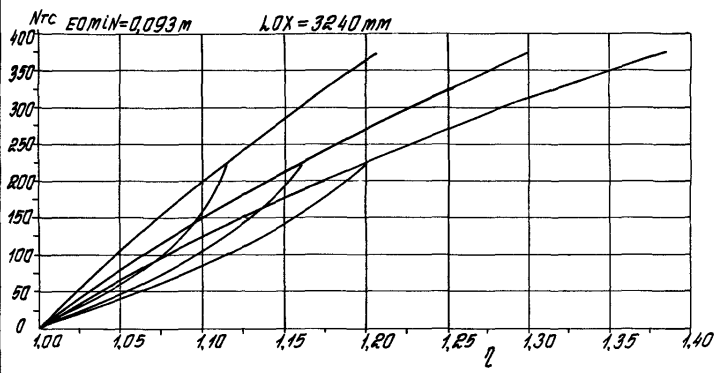


Класс бетона $B=30,0$ ($R_b=18,7$ МПа при учете $\gamma_{b2} = 1,10$)
 Сталь А7-II C
 Код сечения - 114a



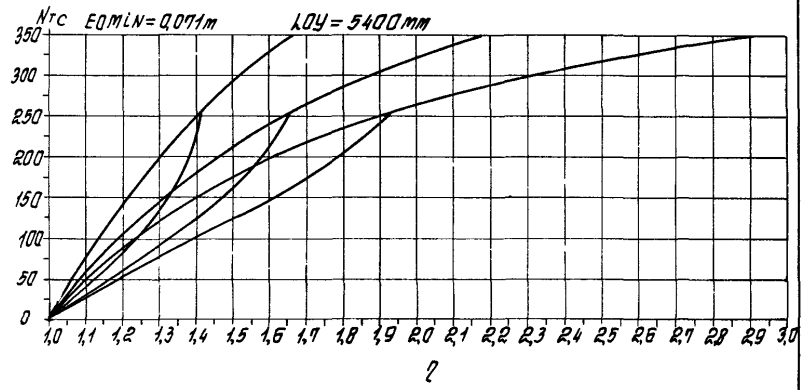
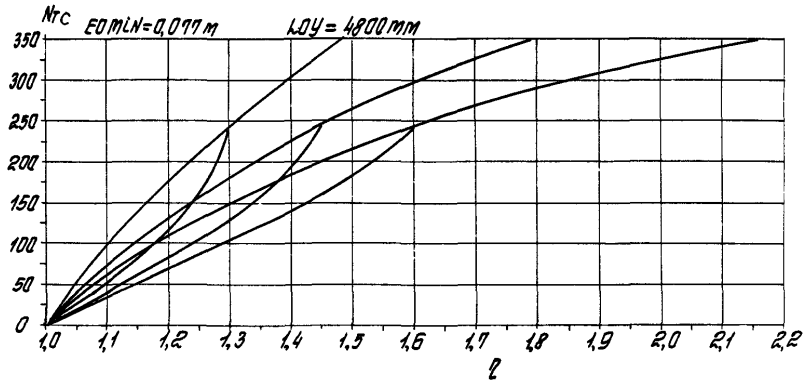
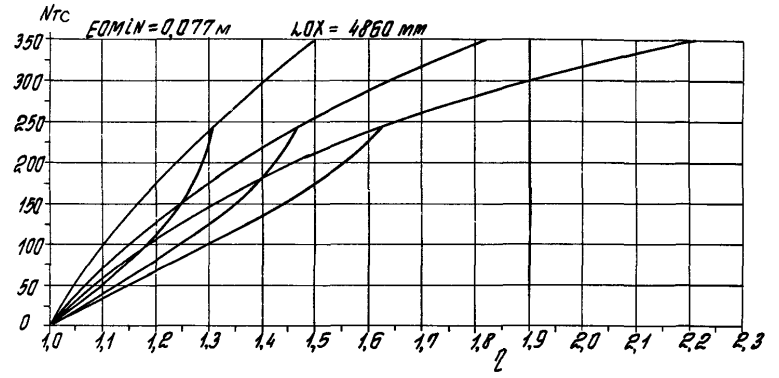
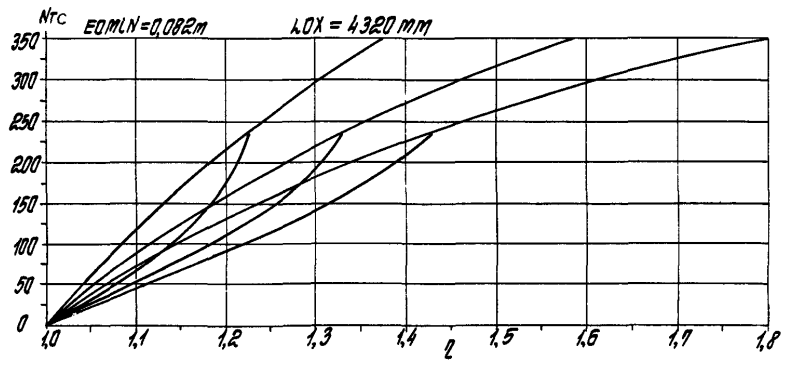
1.020. 1-4 0-9 002

Лист	5
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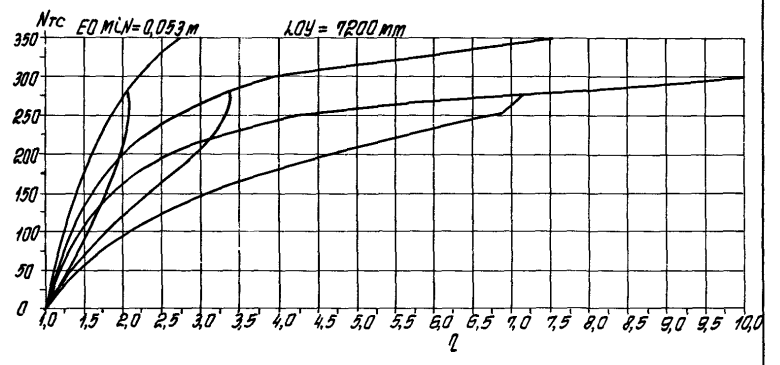
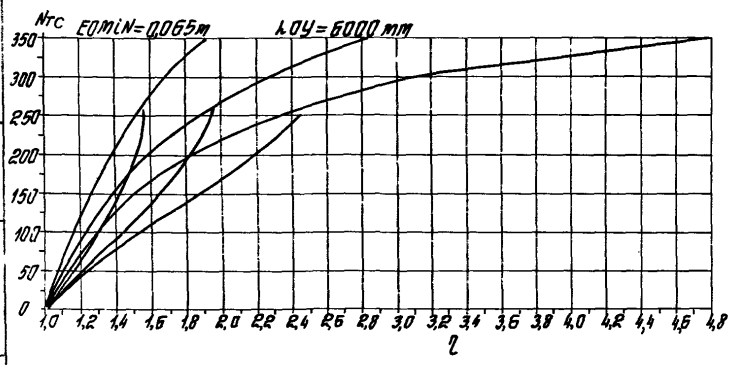
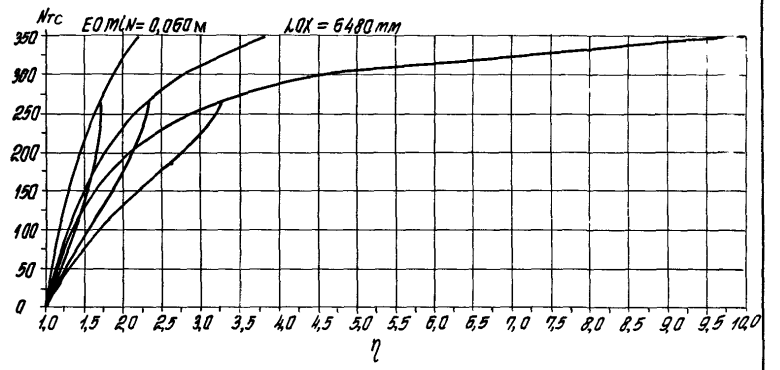
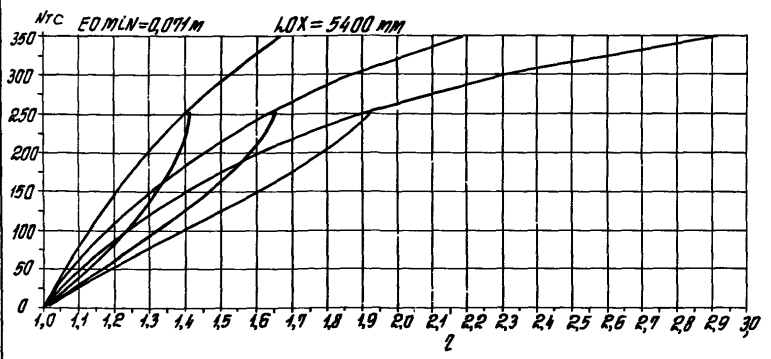
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1.020. 1-4	0-9 032	Лист 106
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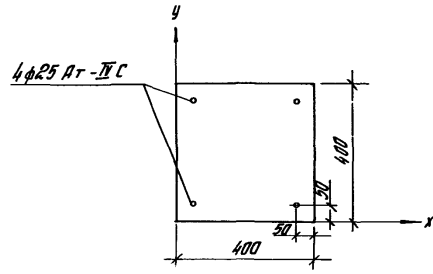
УКАЗ. ПО ПОЛОЖ. ПОДПИСАНО В ДОК. ВЕРИМ. УКАЗ. НА

1.020. 1-4 0-9 002 N_{rc}
107

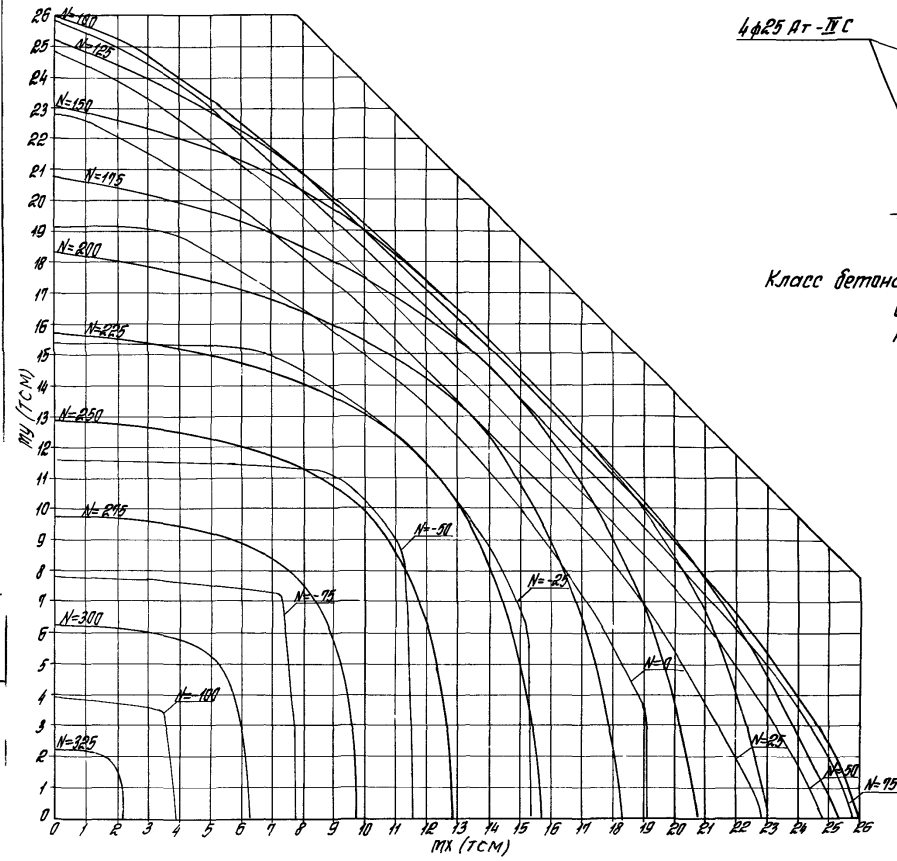


УЧБ № 10004 УЛУЧШАЮЩАЯ ПЛОЩАДЬ ПОДЪЕЗДА

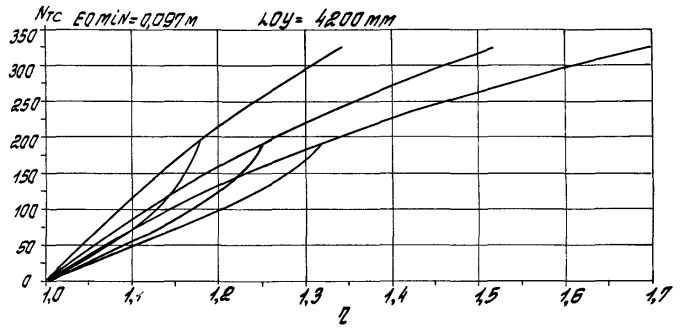
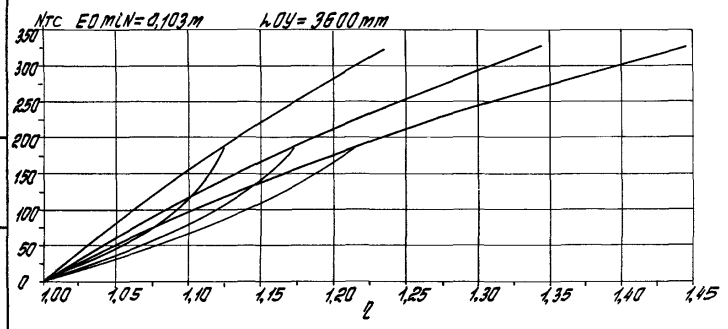
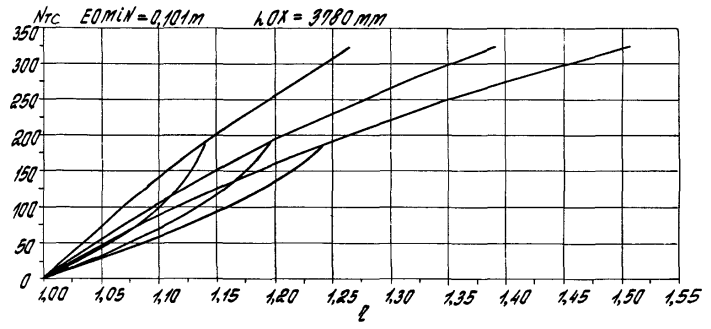
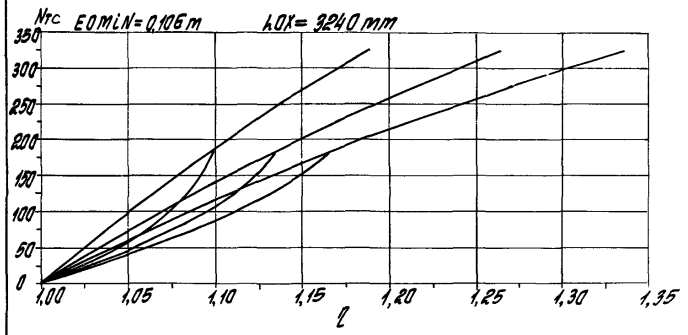
1.020. 1-4 0-9 502 108



Класс бетона В30.0 ($R_b = 15.3 \text{ МПа}$ при учете $\gamma_{R2} = 0.90$)
 Сталь класса Аγ-II C
 Код сечения - 114б

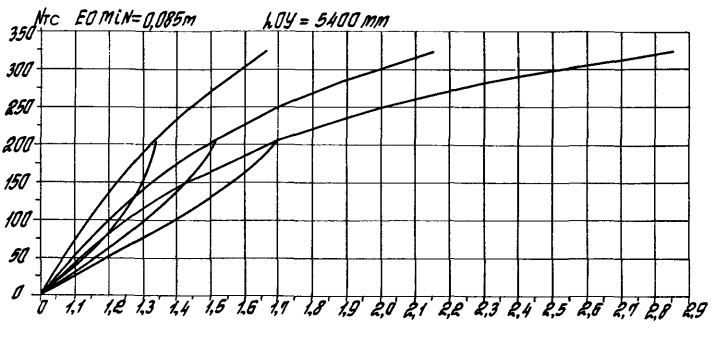
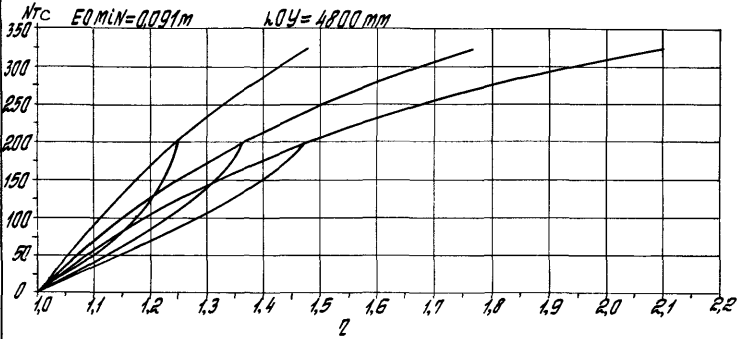
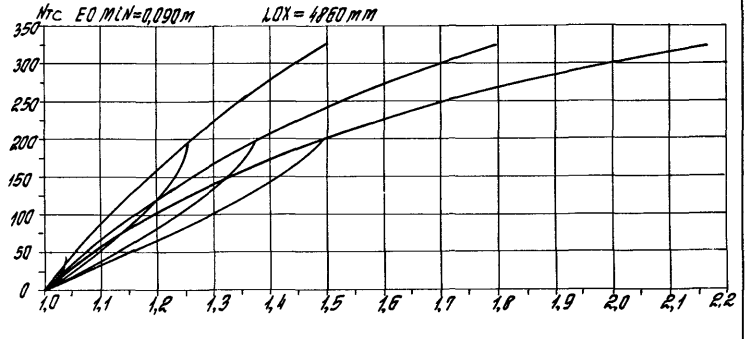
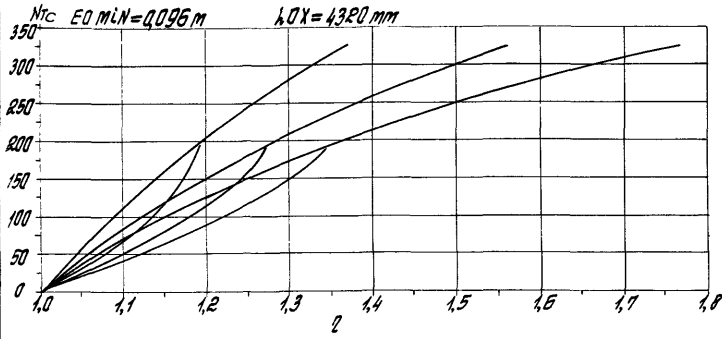


1.020.1-4 0-9 002



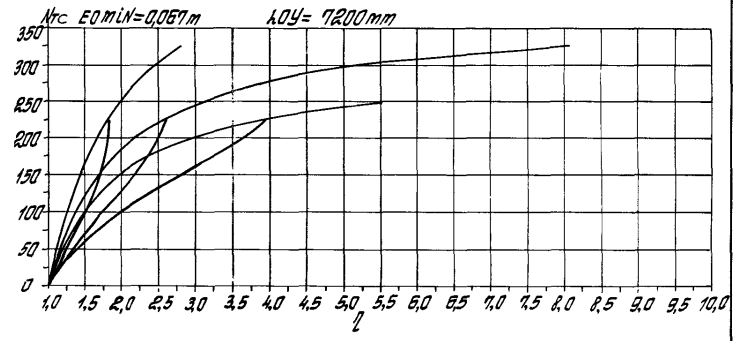
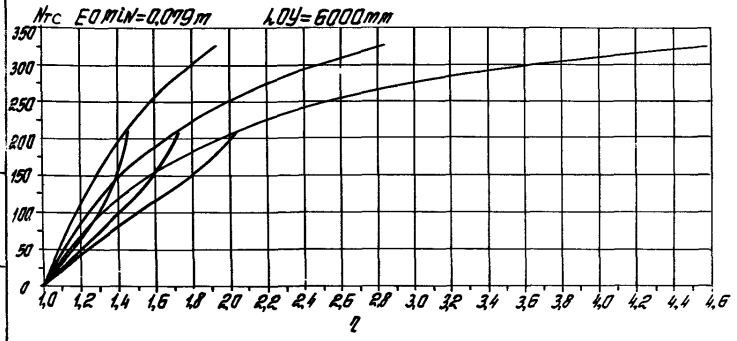
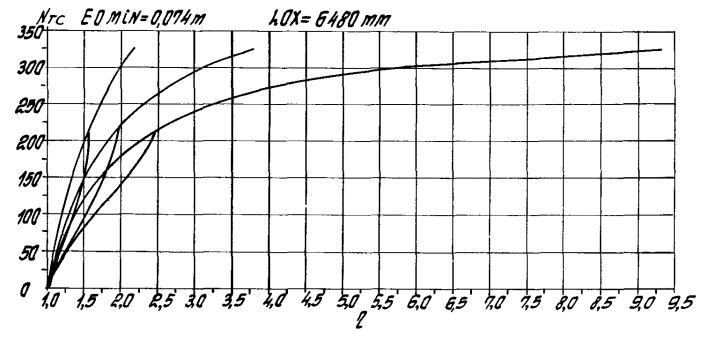
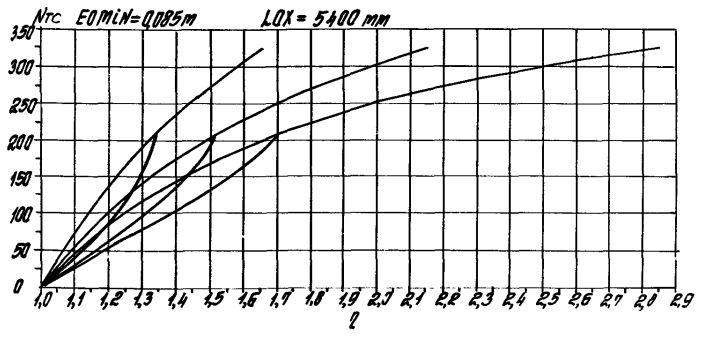
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1.020.1-4 0-9 002 110



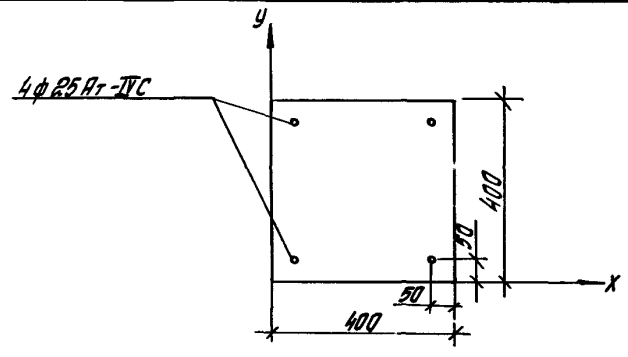
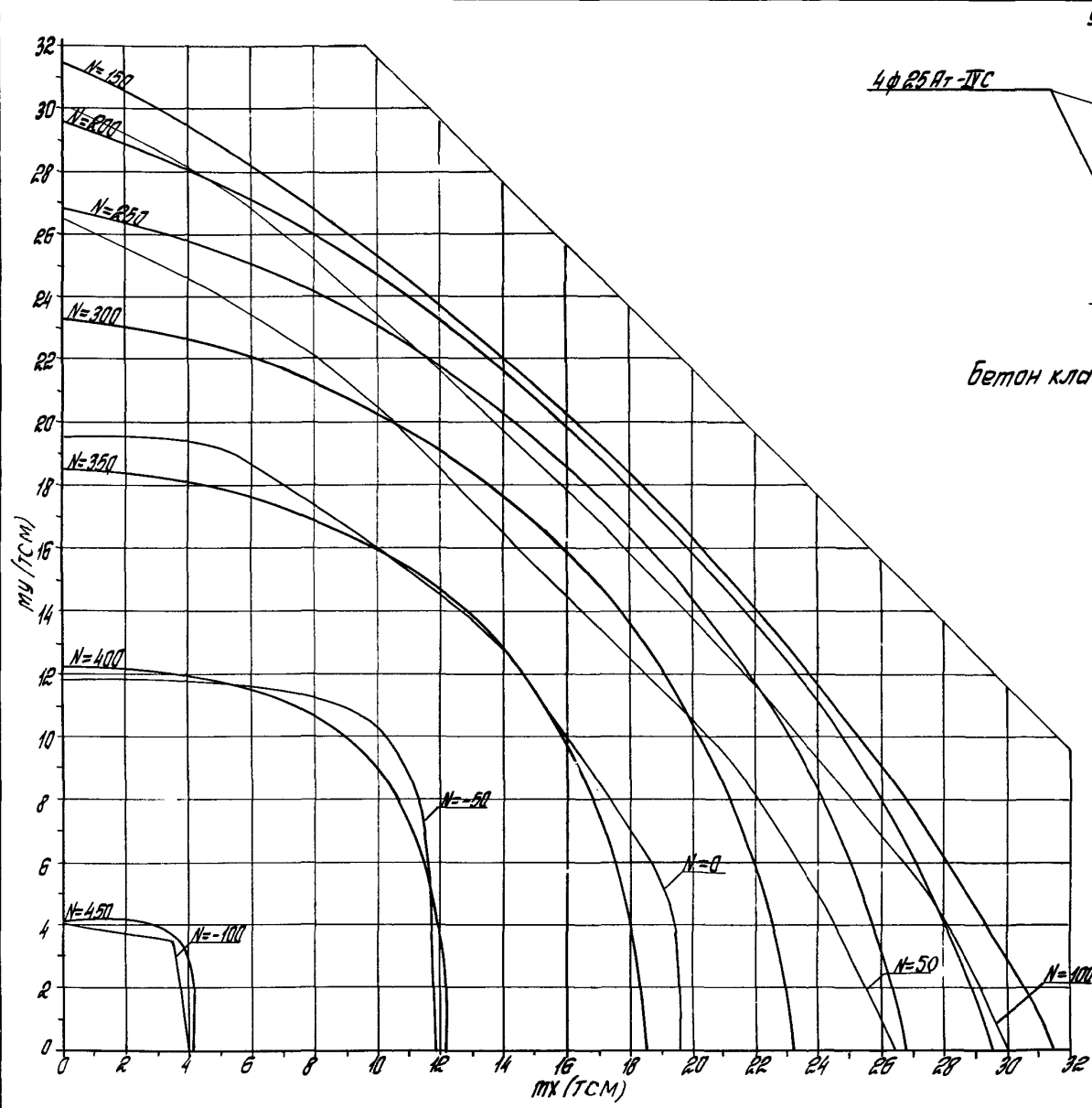
LIT. № 1000. М. 1958. 111 стр.

1.020.1-4 0-9 002	Лит 111
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1.020.1-4 0-9 102

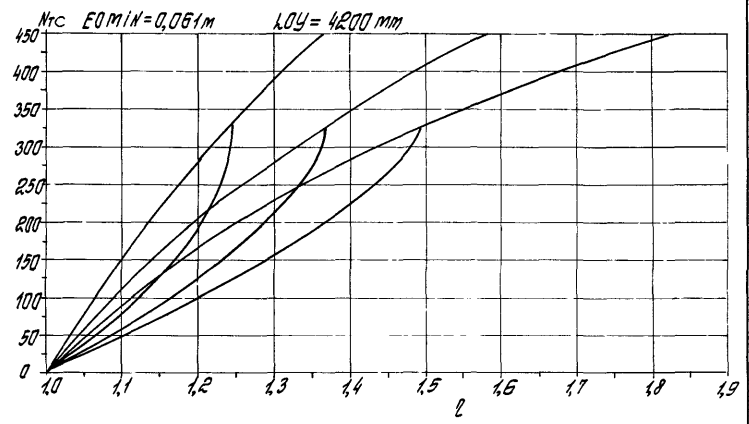
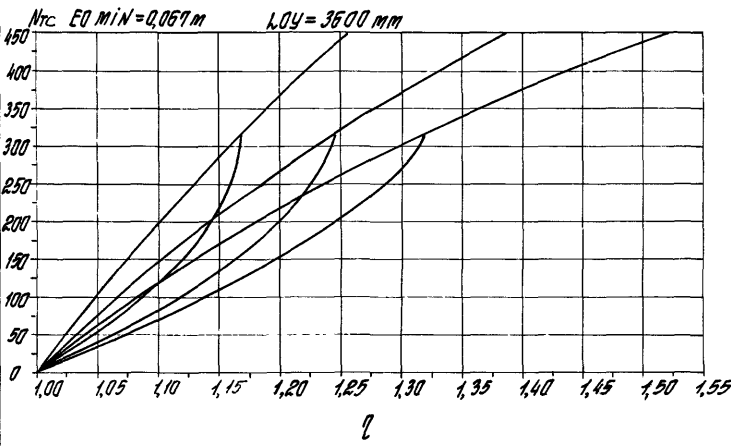
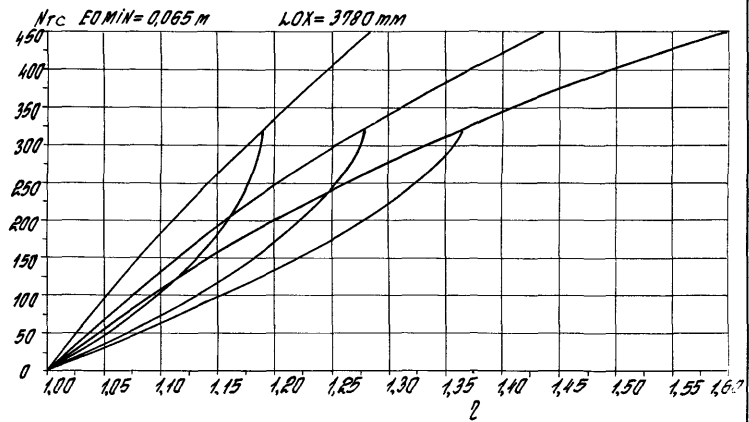
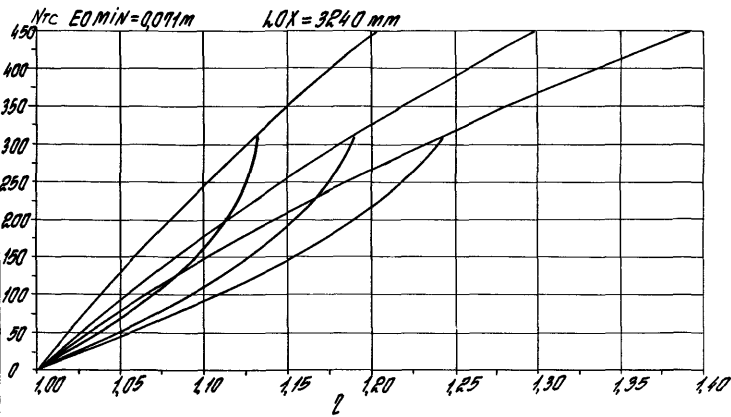
1.020.1-4 0-9 102	112
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бетон класса В40.0 ($R_B = 24,2 \text{ МПа}$ при учете $\gamma_{B2} = 1,10$)
 Сталь класса А1-IVC
 Код сечения - 115а

ИСТОЧНИК: НИИЖЕИПРОЕКТИРОВАНИЕ И КОНСТРУКТИВНОЕ ПРОЕКТИРОВАНИЕ

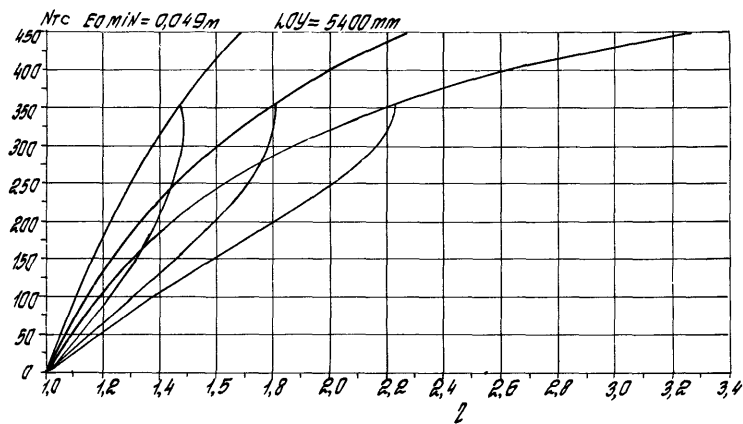
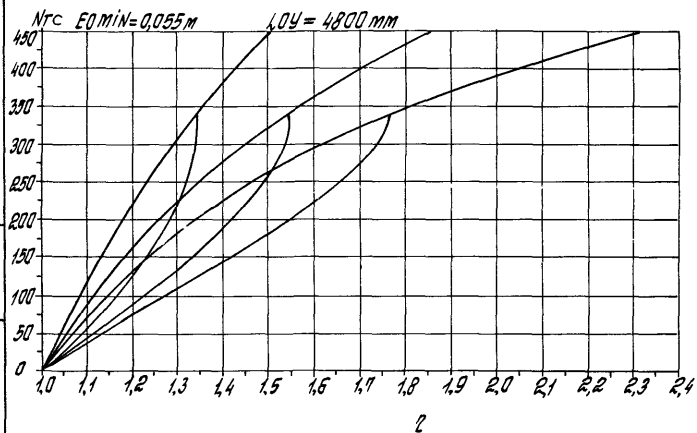
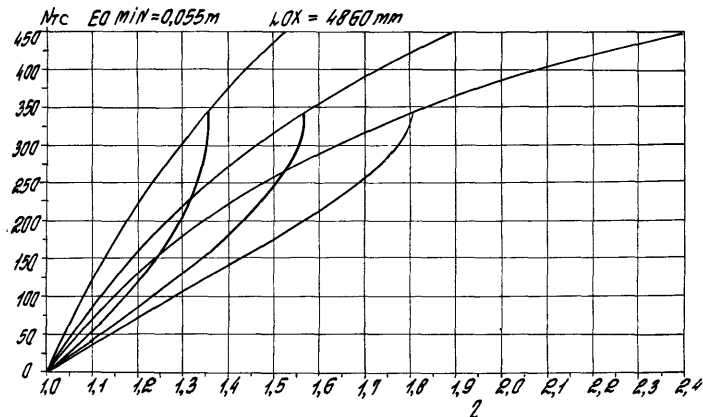
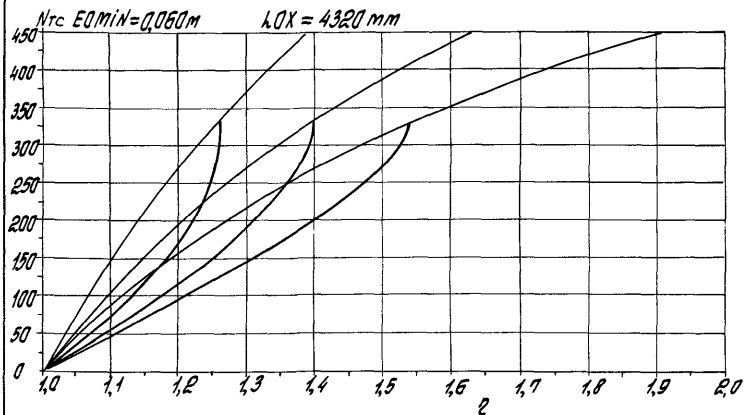
1.020.1-4 0-9 002	Лист
	113



Unit: mm, min, max, mean, etc.

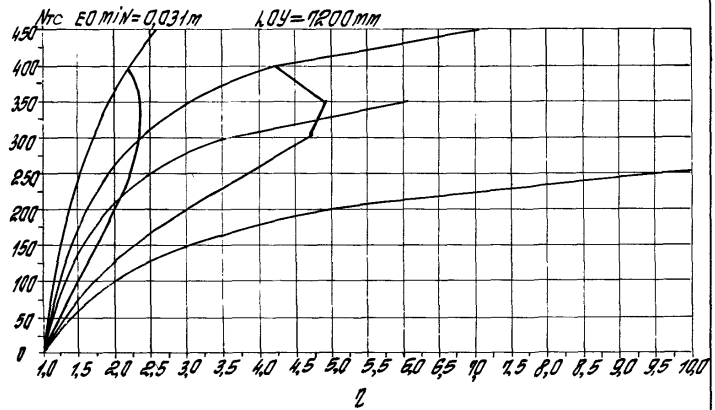
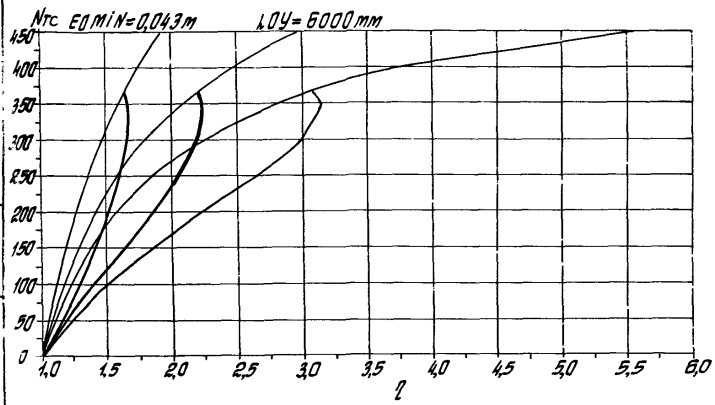
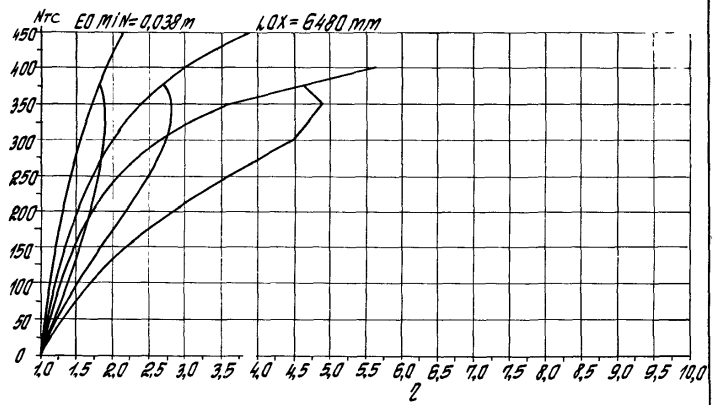
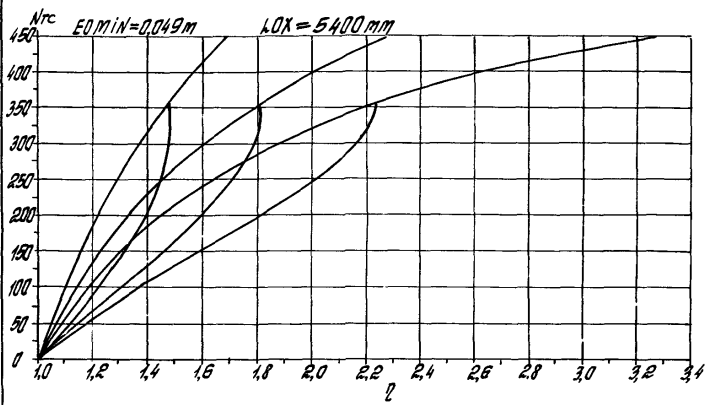
1.020.1-4 0-9 002

114

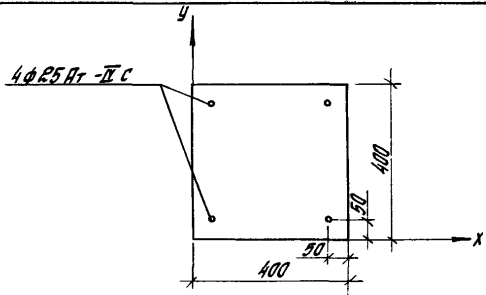


Учб. № 005-01. Издательство Учен. зап. кн.-б. Удмурт. ун-та. 2010 г.

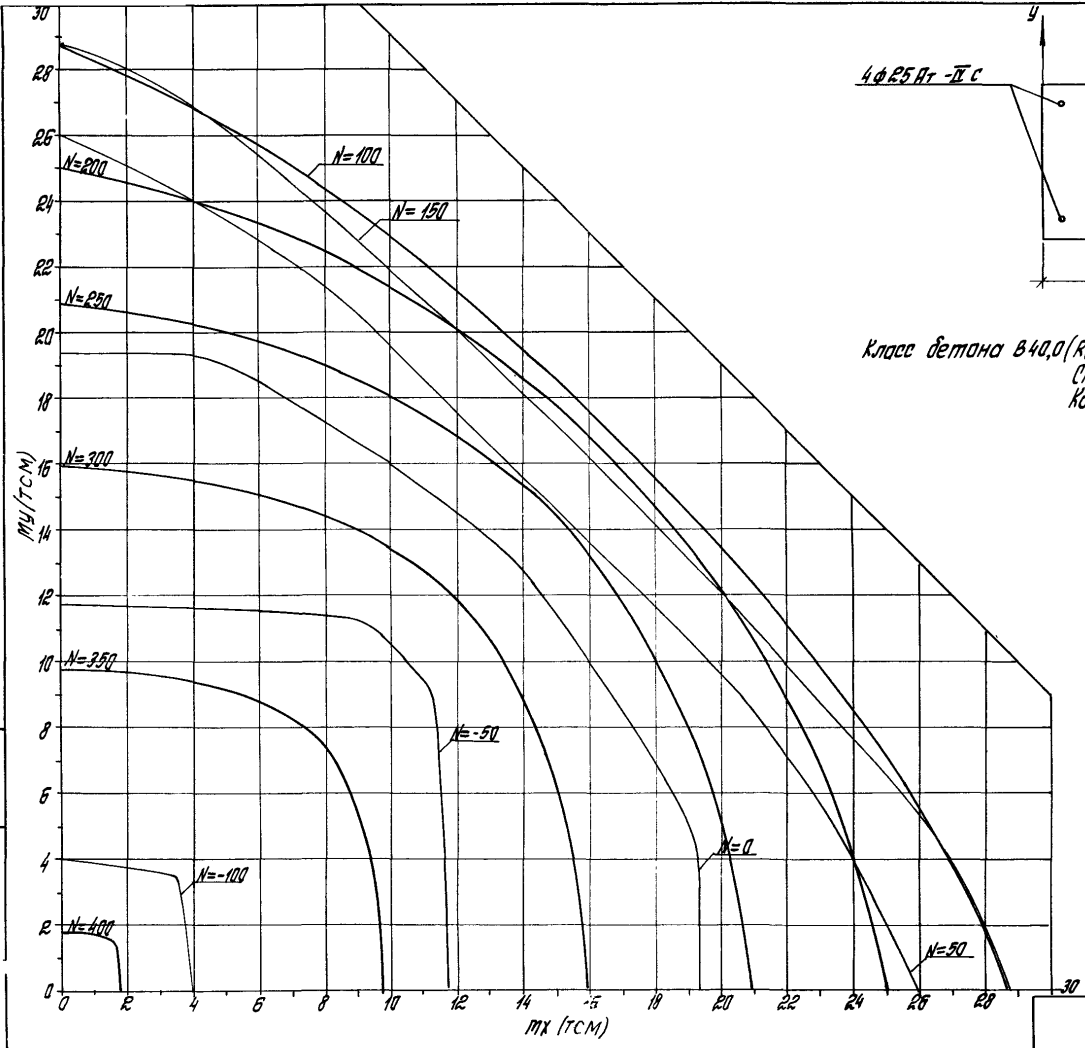
1.020.1-4 0-9 01.2	Лист 115
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ВНИМАНИЕ! УКАЗАНИЕ НА СТРАНИЦЕ 116



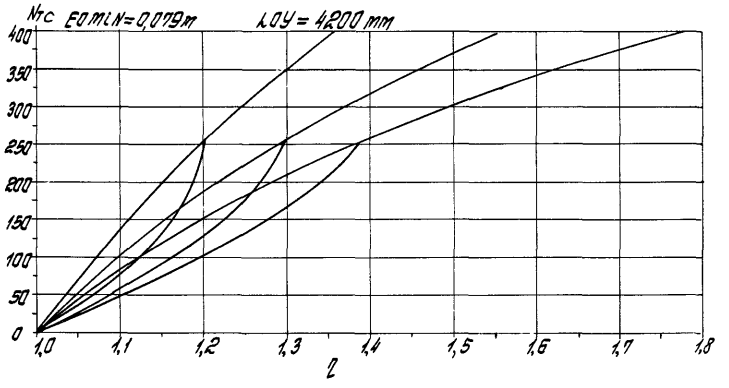
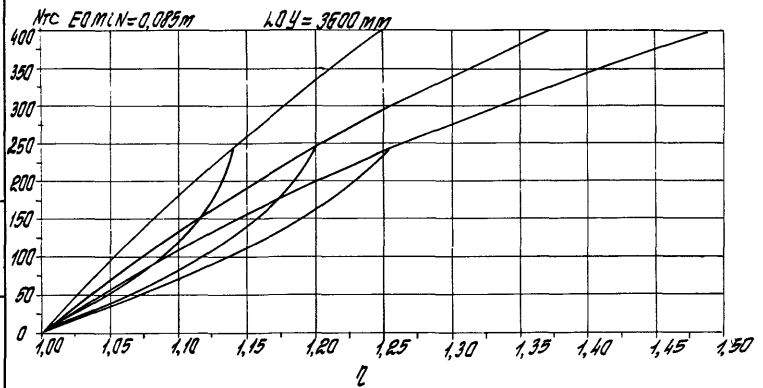
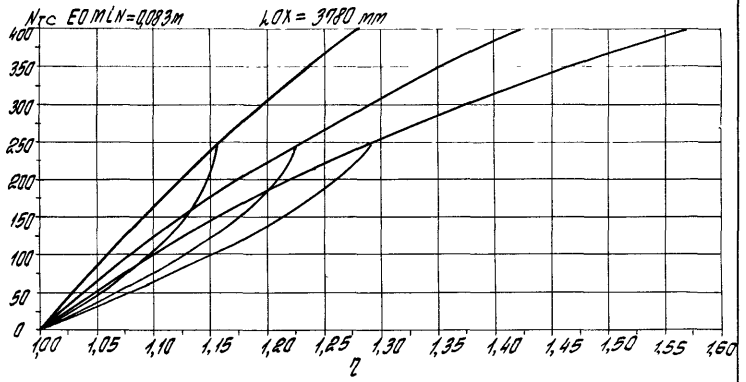
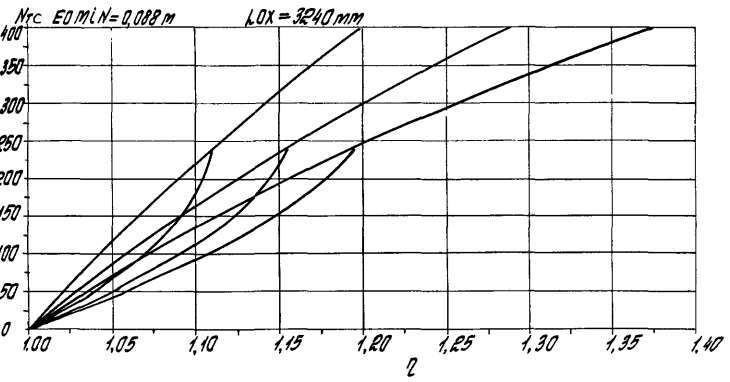
Класс бетона B40,0 ($R_b = 19,8$ МПа при учете $\gamma_{b2} = 0,90$)
 Сталь класса А7-IV c
 Код сечения - 1155



Интерпретация результатов расчета в соответствии с требованиями СНиП 52-01-2003

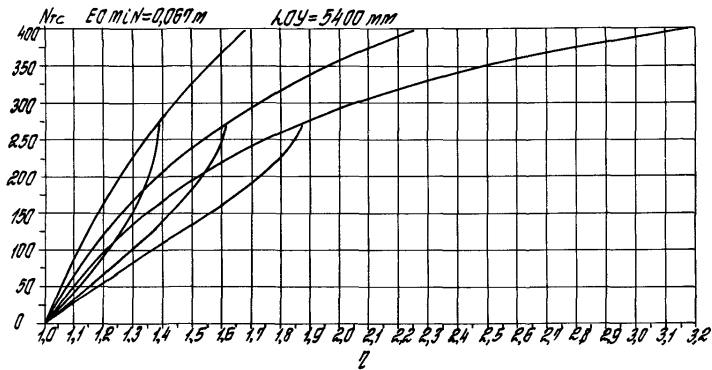
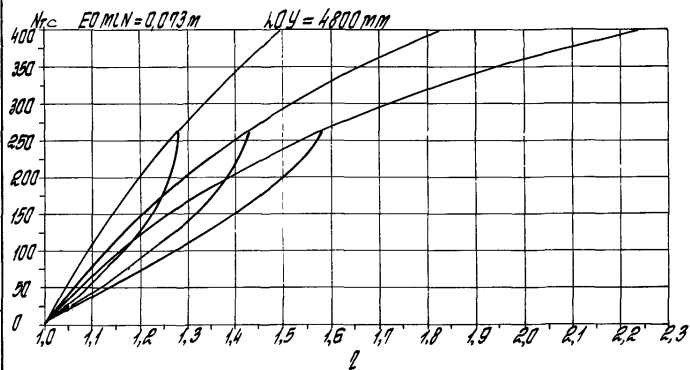
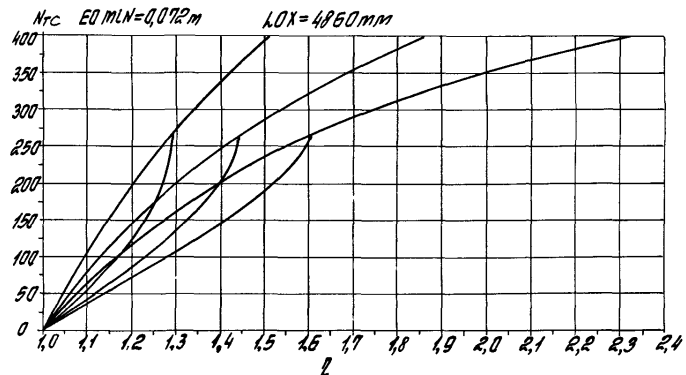
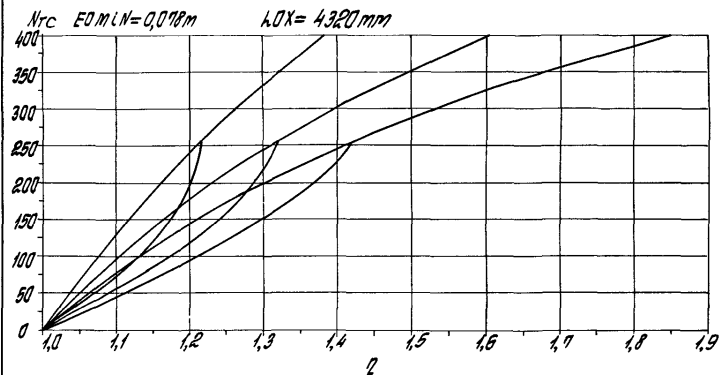
1.020.1-4-0-9 002

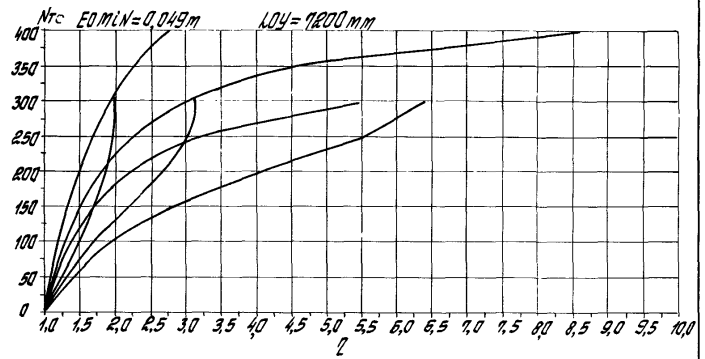
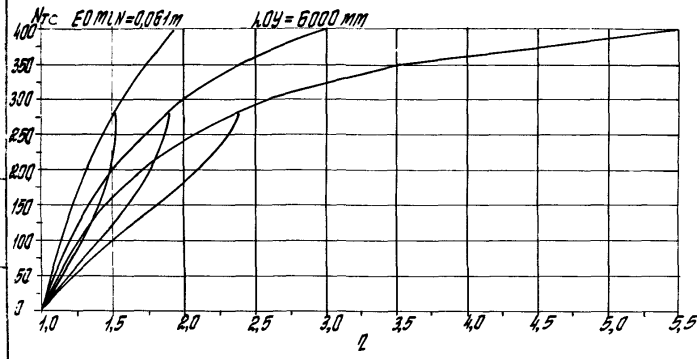
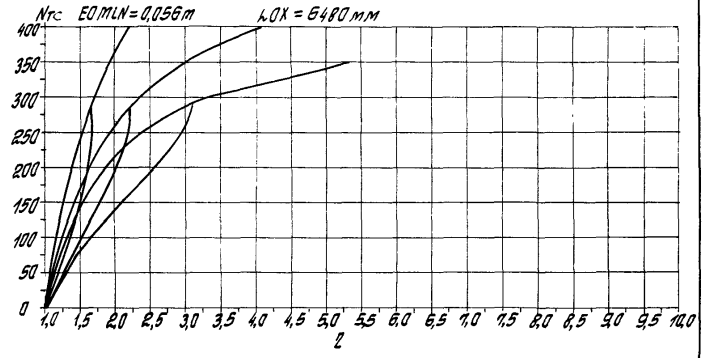
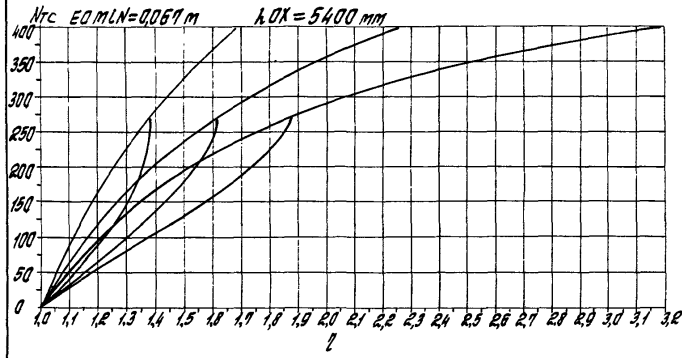
Лист 117



УЧЕТЪТ НА ПЛОЩТА НА ПОПРЕЧНОТО СЪДИЩЕ

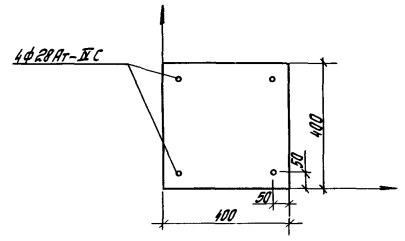
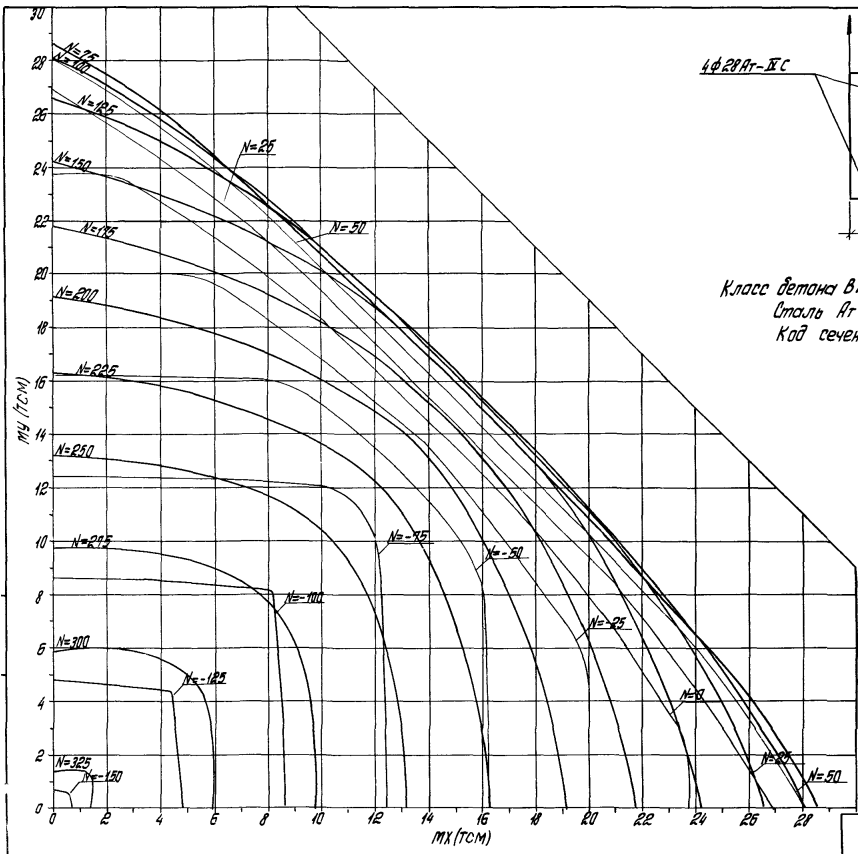
1.020.1-4 0-9 002	Лист 118
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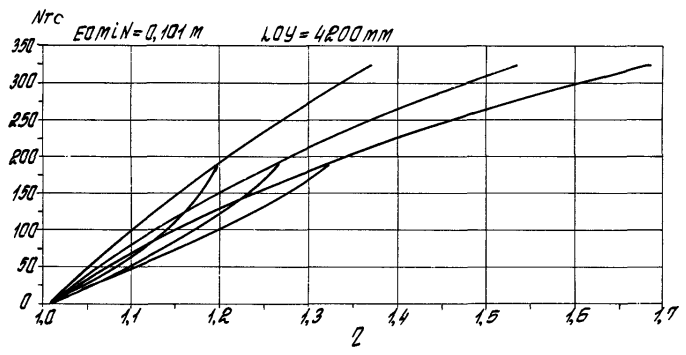
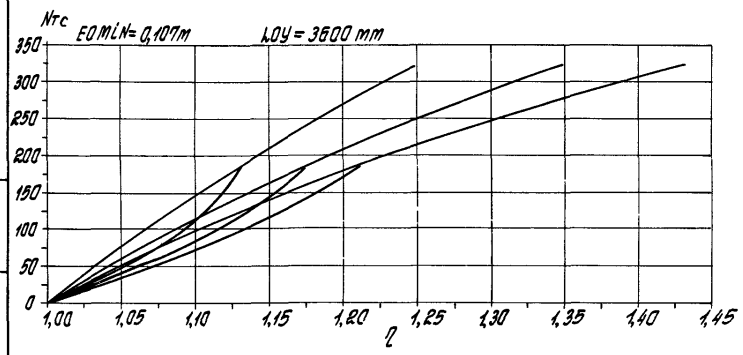
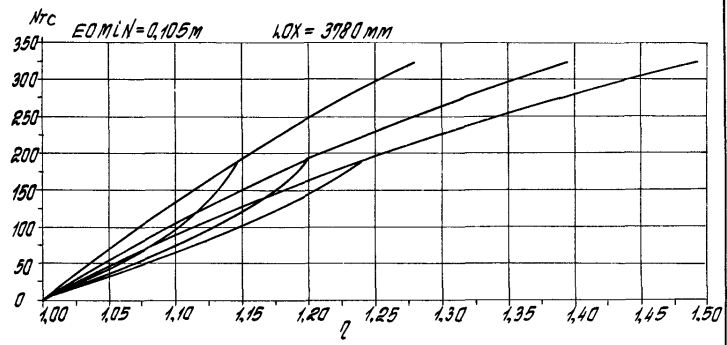
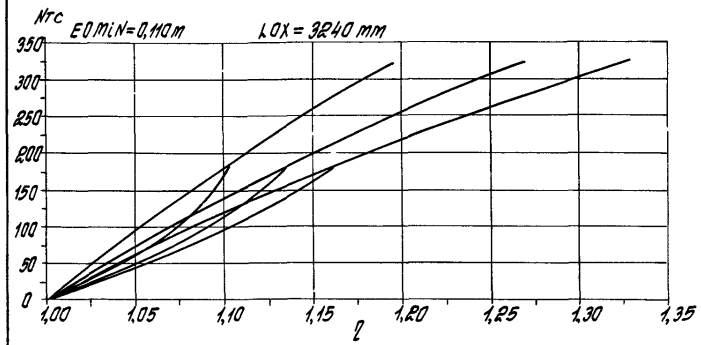
1.020.1-4 7-9 002
 120mm

1.020.1-4 7-9 002 120mm

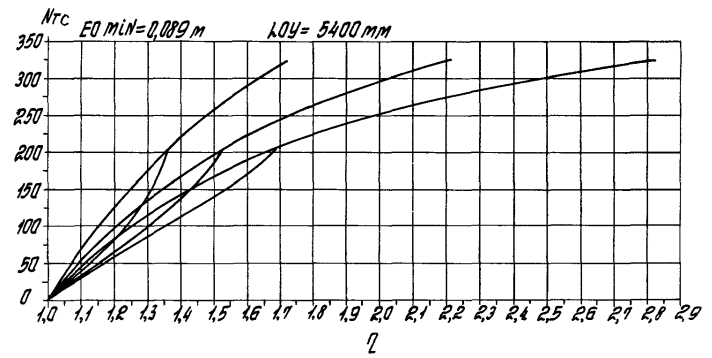
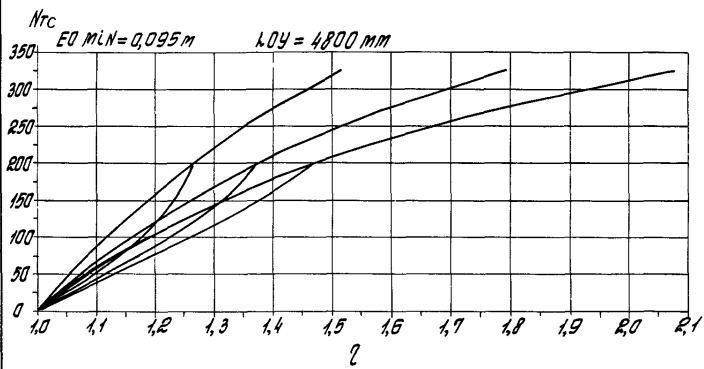
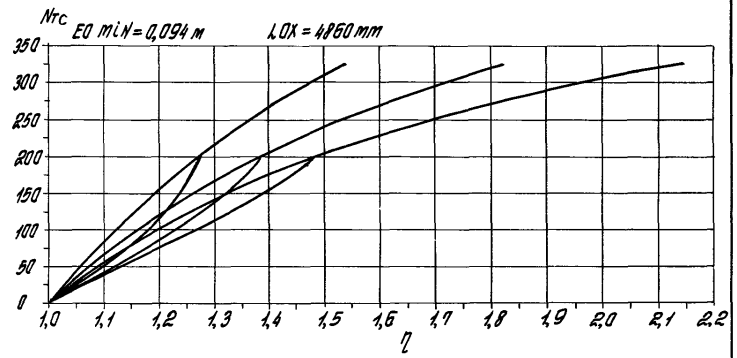
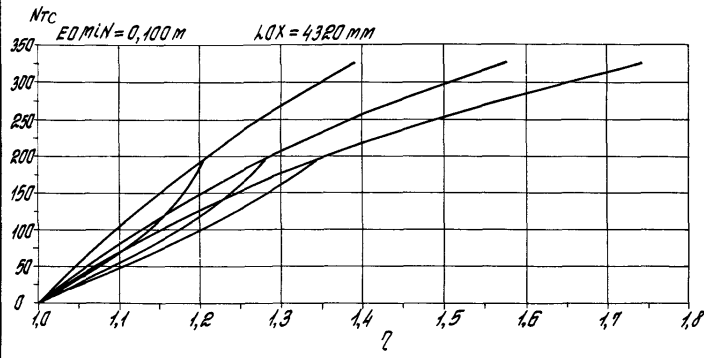


Класс бетона В22,5 ($R_b = 14,3 \text{ МПа}$ при учете $\gamma_{b2} = 1,10$)
 Сталь Ат-ІІС
 Код сечения - 116а

1020 1-4	0-9 002	Масш 1:21
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1.020. 1-4 0-9 002 Илуст
122



Указана нагрузка в расчете на метр погонный

1.020. 1-4	0-9 102	л/см 123
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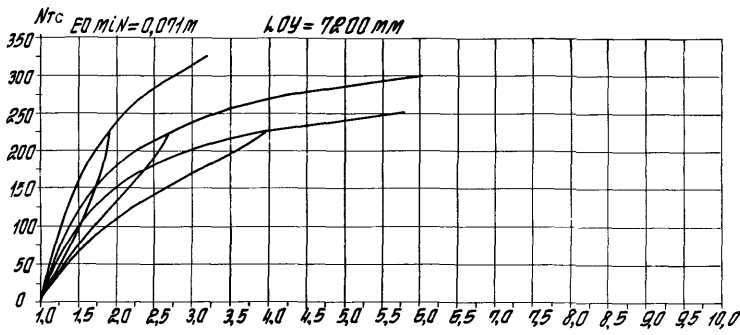
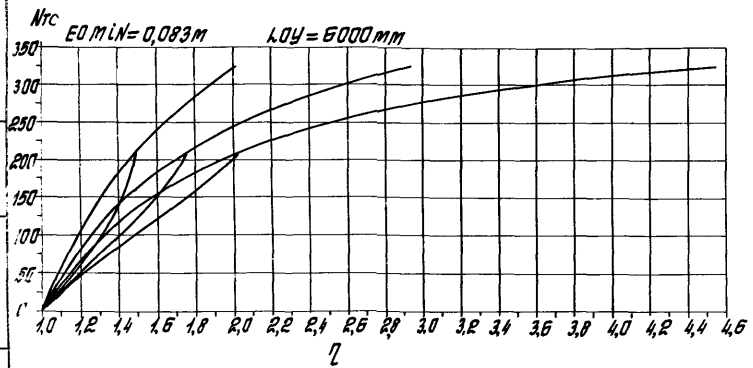
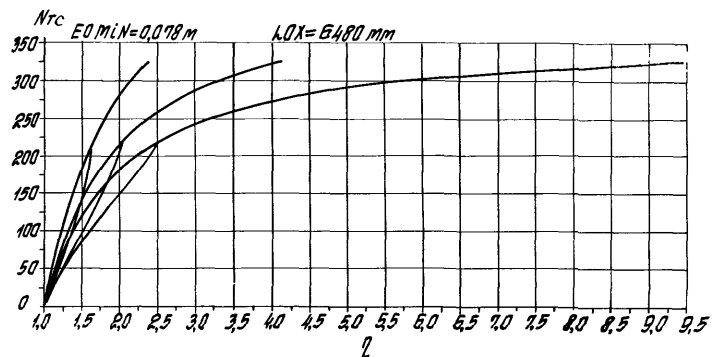
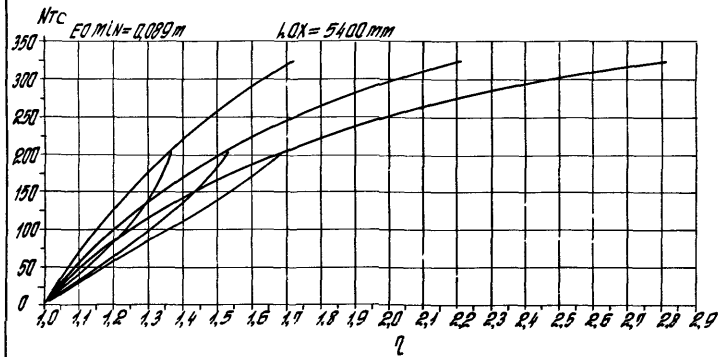
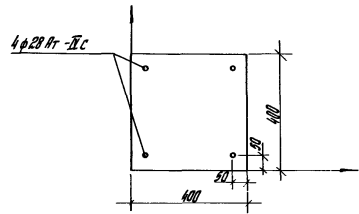
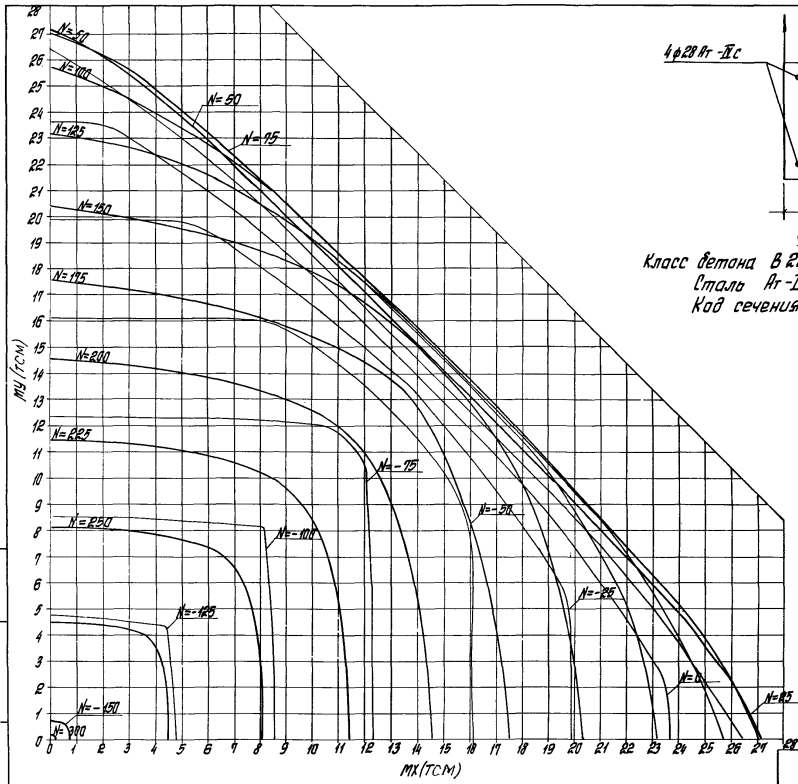


Таблица 1. Расчеты по формуле (1.1)

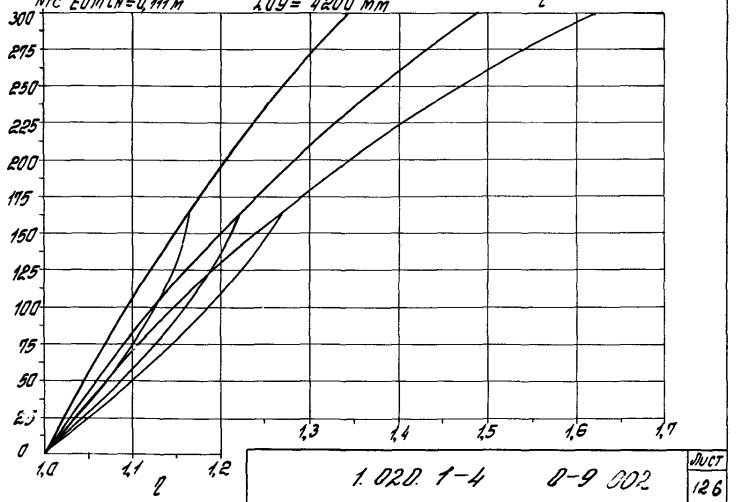
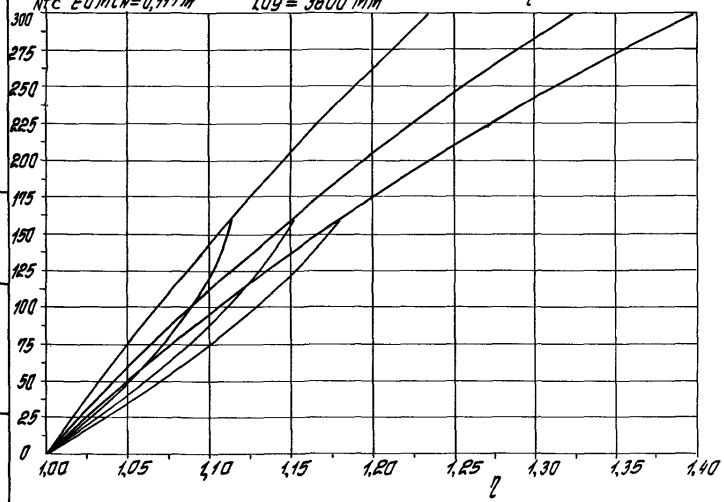
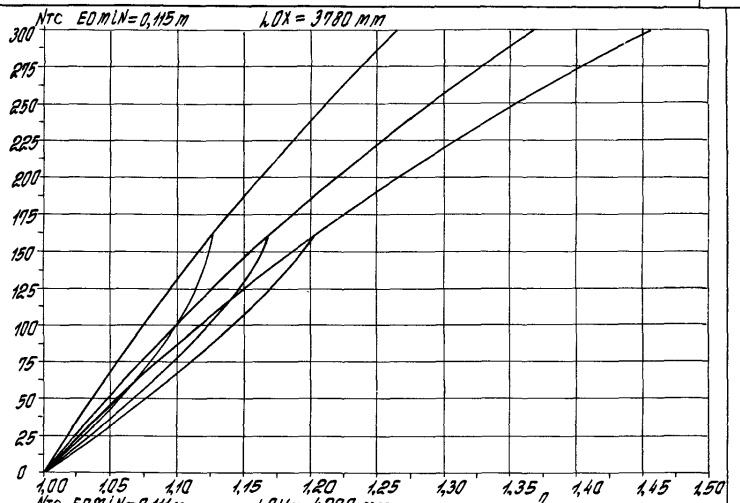
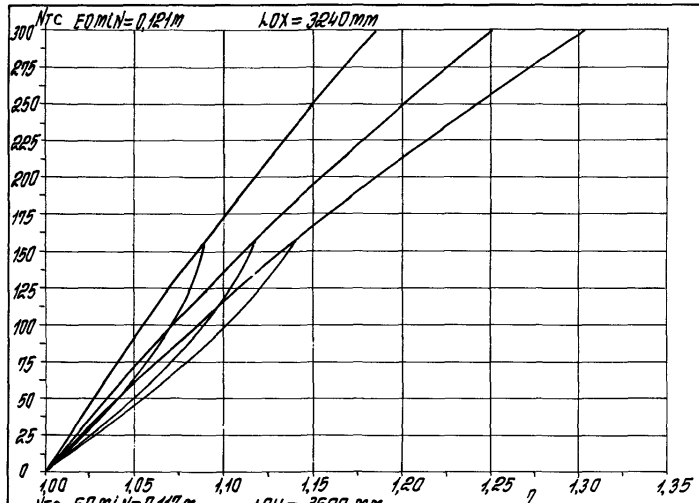
1.020. 1-4 0-9 002 N_{rcm}
 124

1:100 10 мм/мг
Исполнитель: [Signature]
Дата: [Signature]



$(R_b = 11,7)$
 Класс бетона В 22,5 МПа при учете $\gamma_{b2} = 0,90$
 Сталь Аг-ІІс
 Код сечения - 116Б

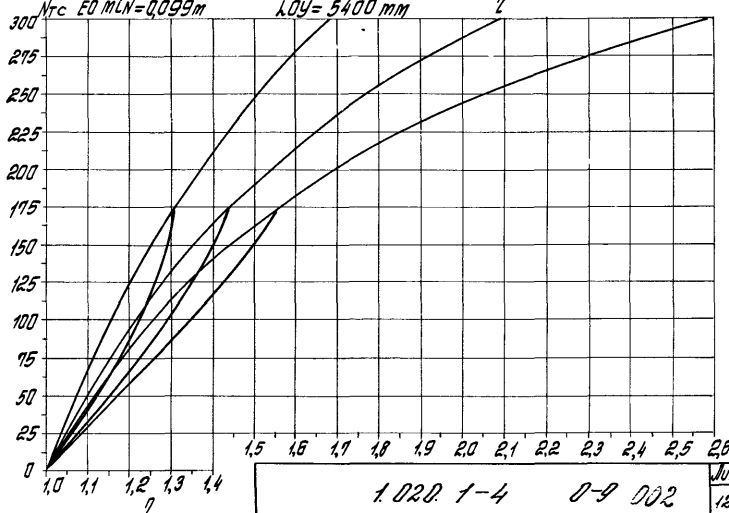
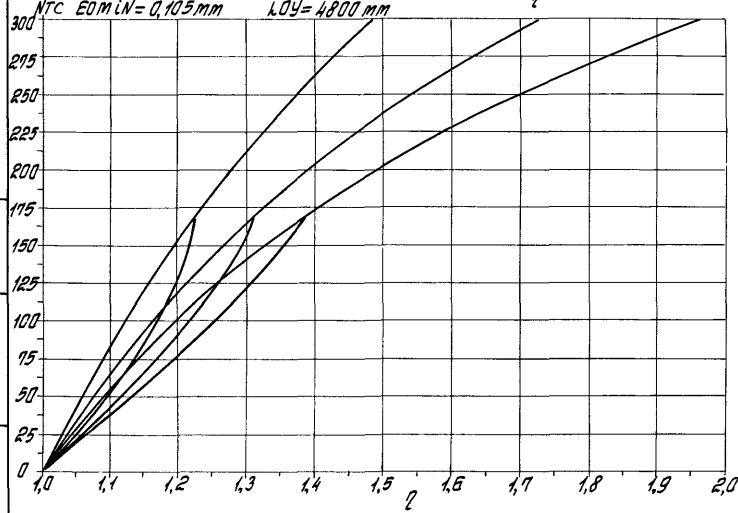
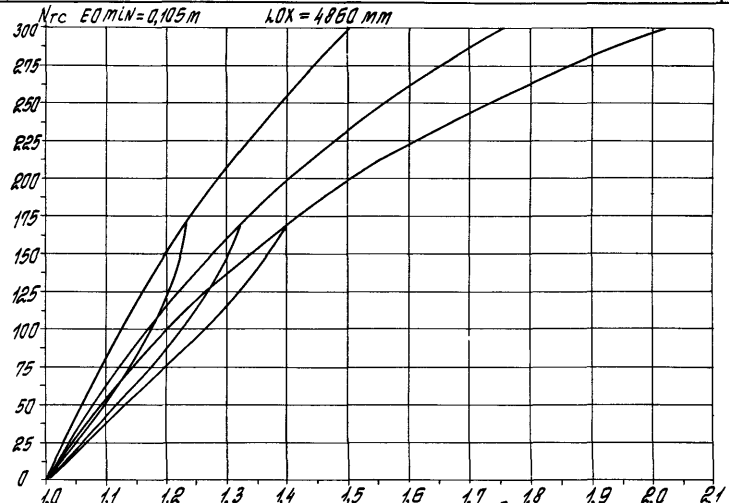
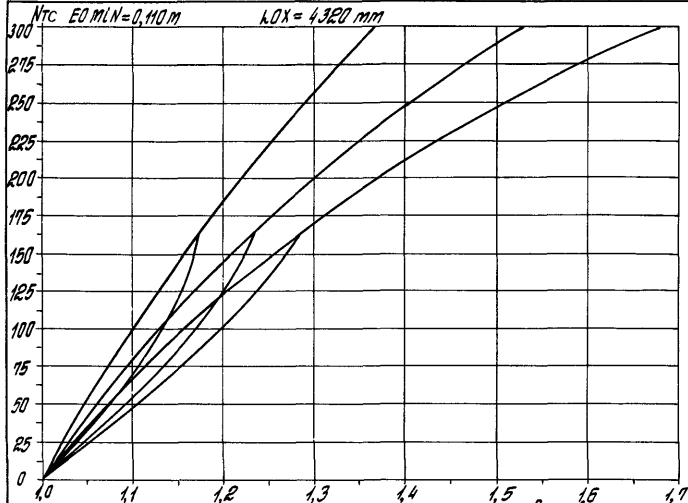
1.020.1-4 0-9 002 ИЛМ
 12.5



LAW OF THE ...

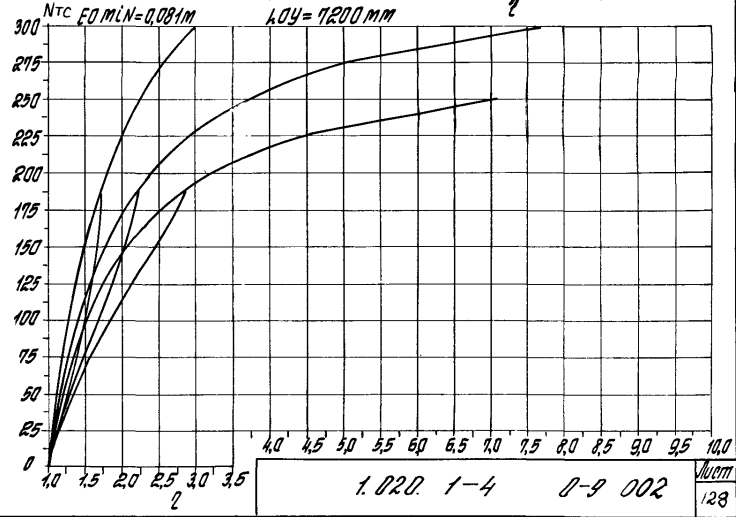
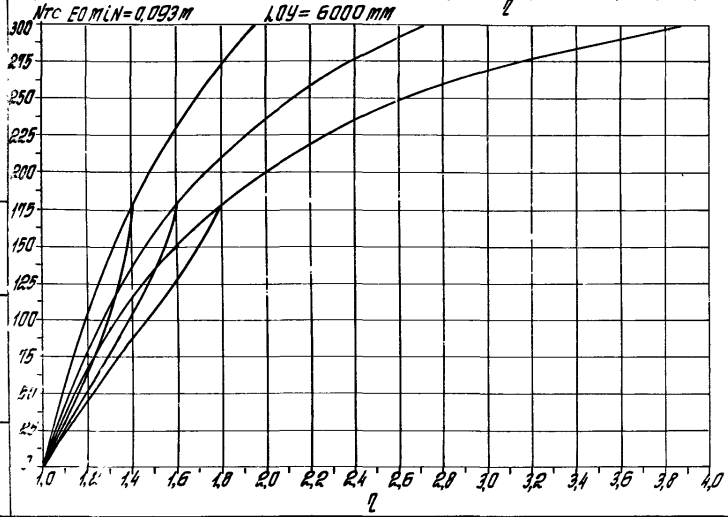
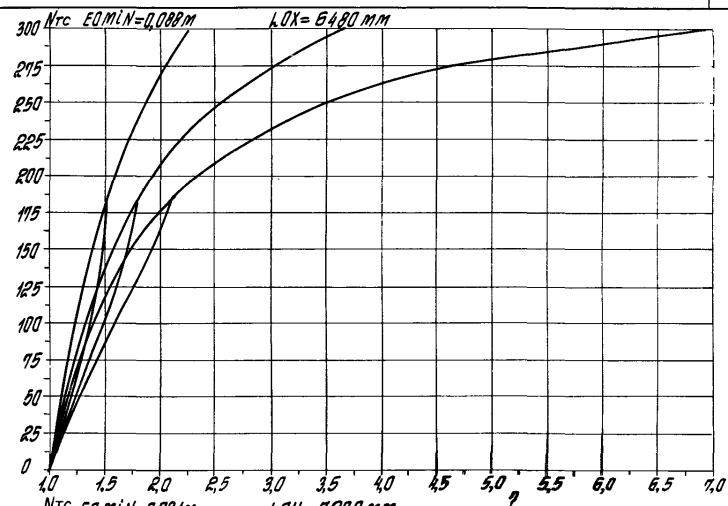
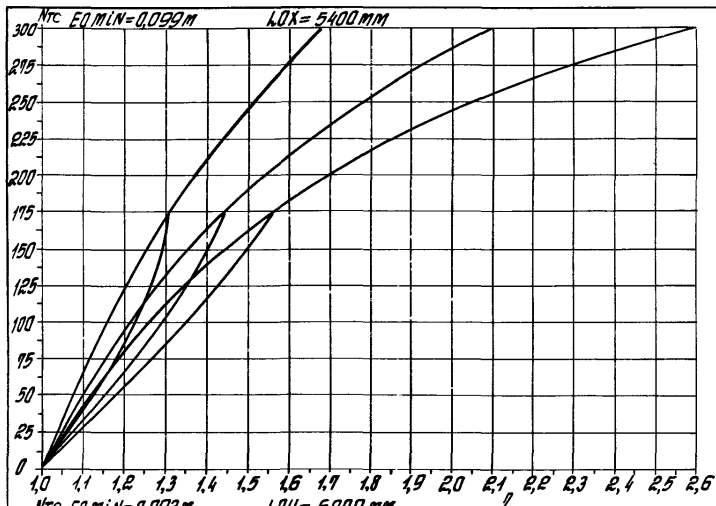
1.020. 1-4 0-9 002

WUCT
126



Nrc EO min = 0,110 m LOX = 4320 mm

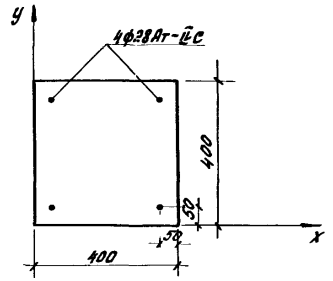
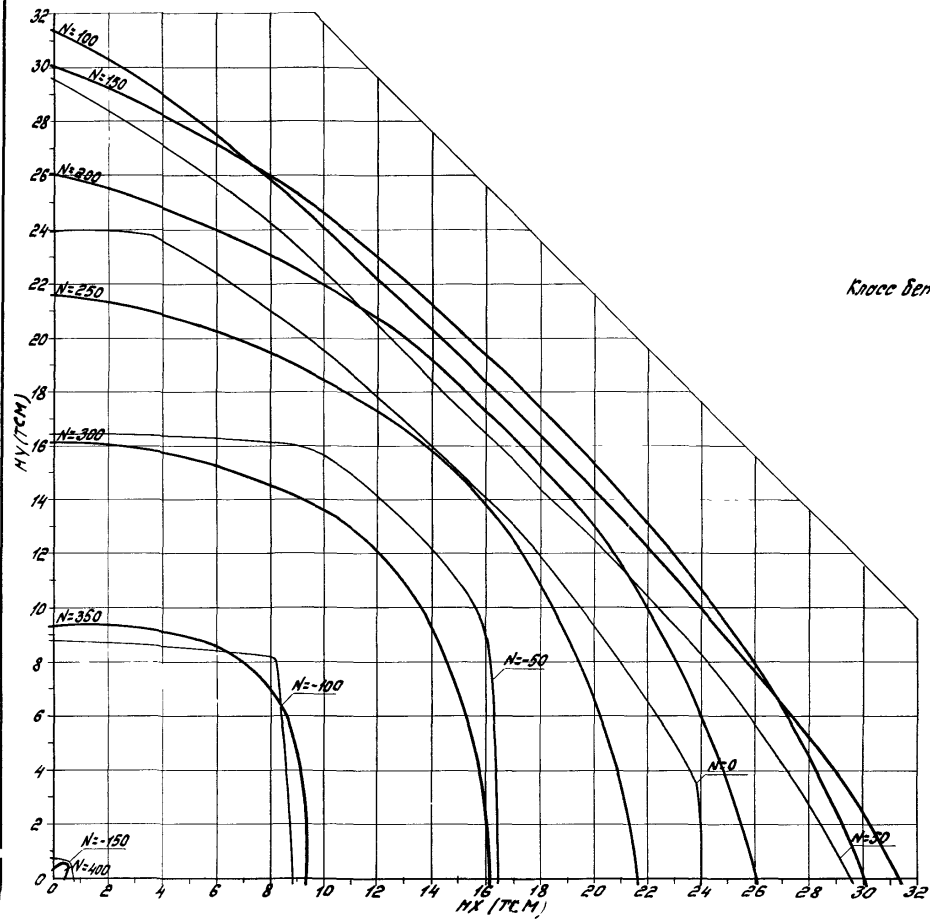
1.020.1-4	0-9 002	Юсн 127
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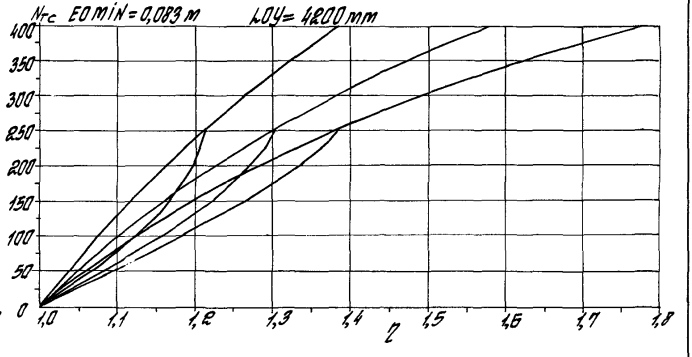
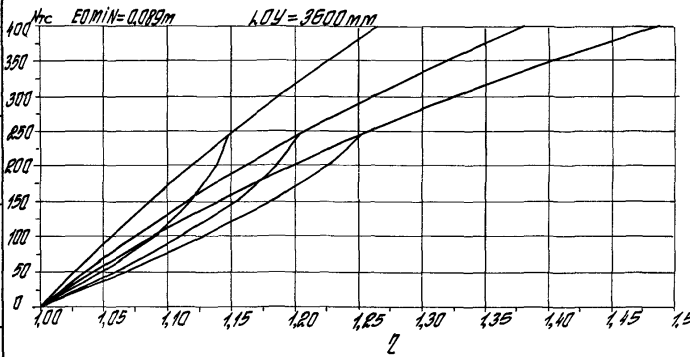
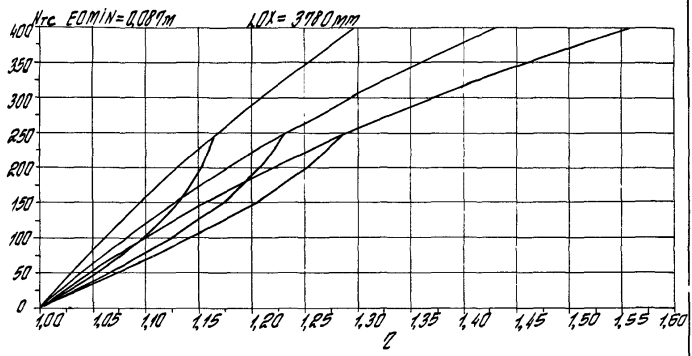
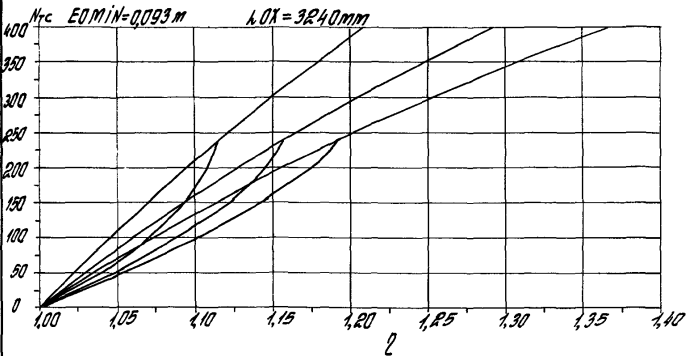
Шкала по ГОСТ 10000-80 и ГОСТ 10000-80

1.020. 1-4 0-9 002

Метр
128

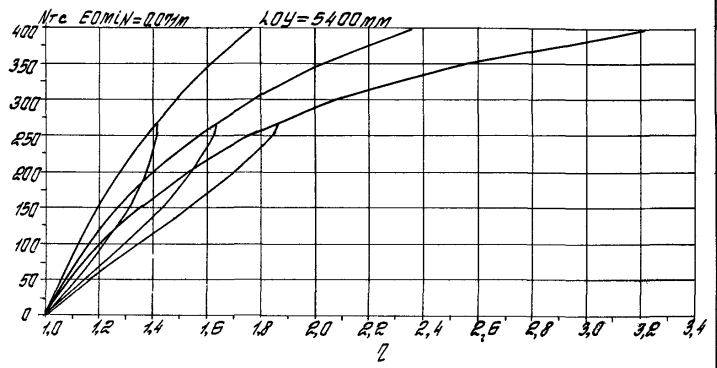
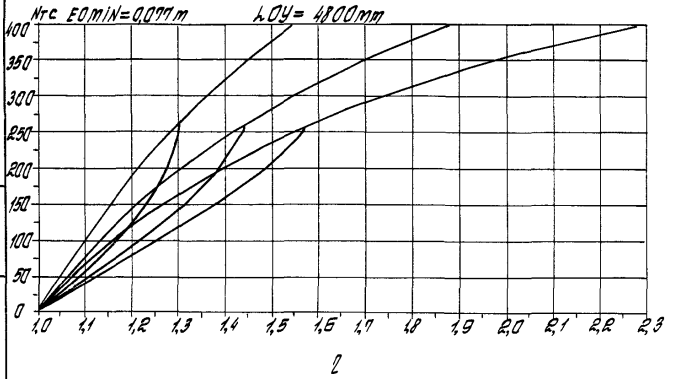
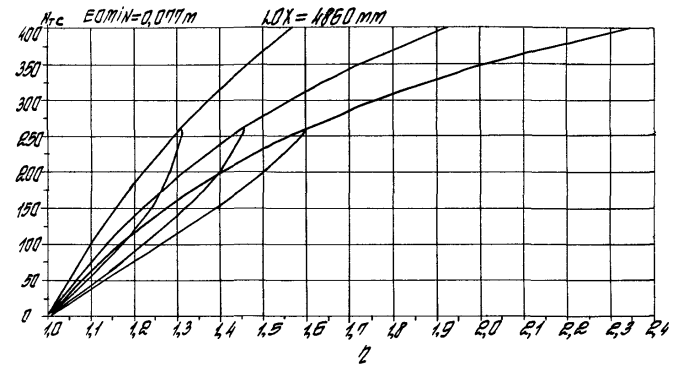
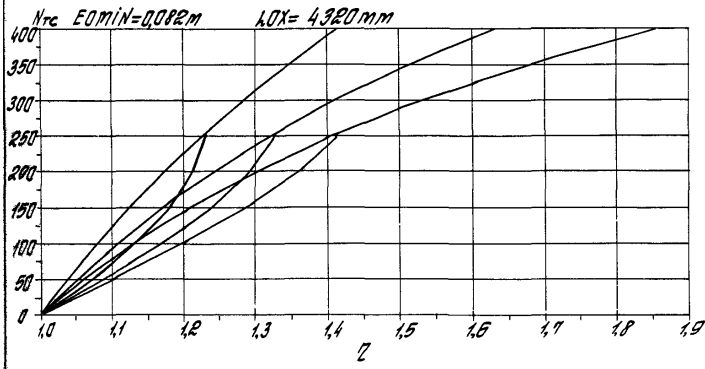


Класс бетона В30.0 ($R_c = 18.7 \text{ МПа}$ при учёте $\gamma_{б2} = 1.10$)
 Сталь Аг-Бс
 Код сечения - 117а



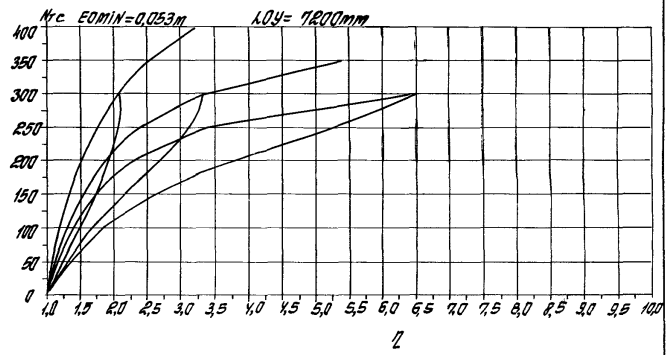
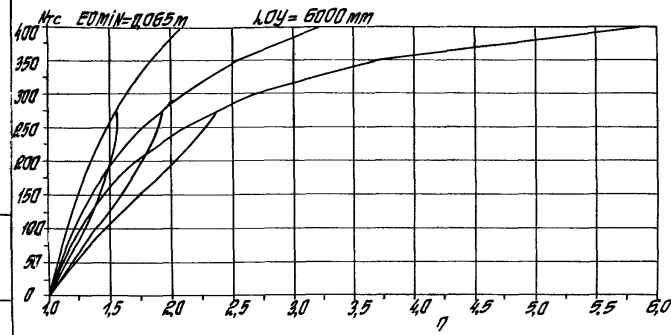
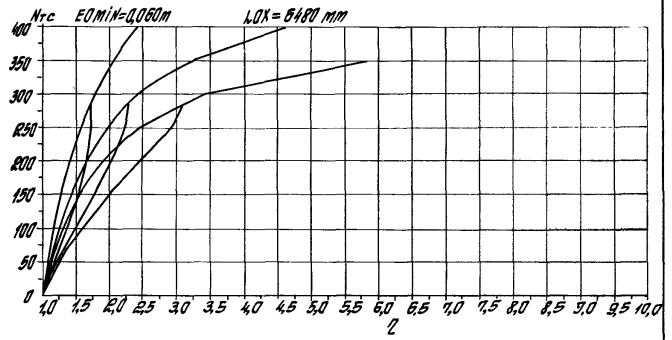
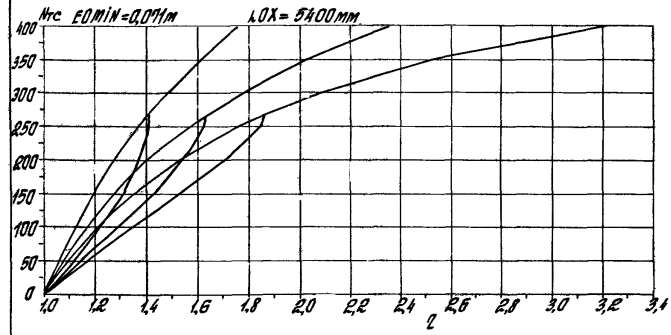
Mrc E_{0MIN} = 0,093 m
 Mrc E_{0MIN} = 0,087 m
 Mrc E_{0MIN} = 0,089 m
 Mrc E_{0MIN} = 0,083 m

1.020.1-4 0-9 002 Ауст 190



Универсальный график для определения коэффициента N_{rc}

1.020.1-4 0-9 002	Лист 131
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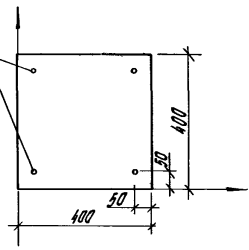


ШИР. КОМП. УСТАВ. У РАД. МАШИНАМА

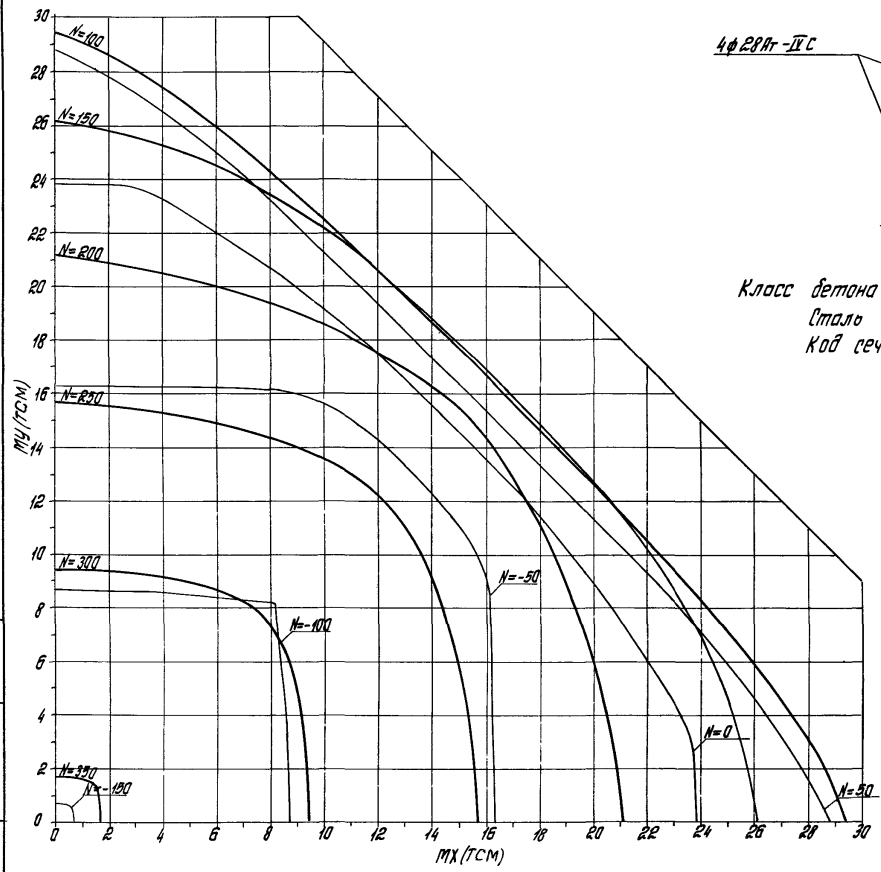
1.020.1-4 0-9 002

198

4φ20Aт-IVС

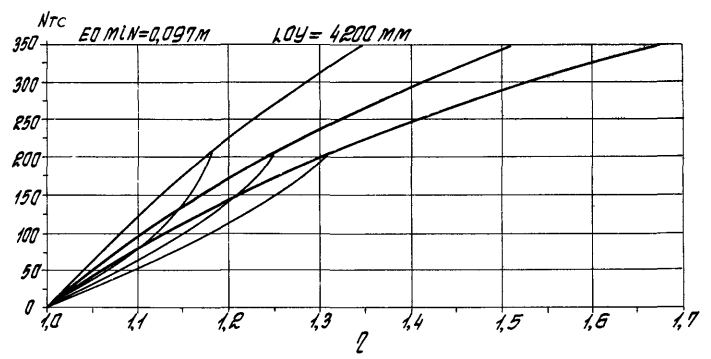
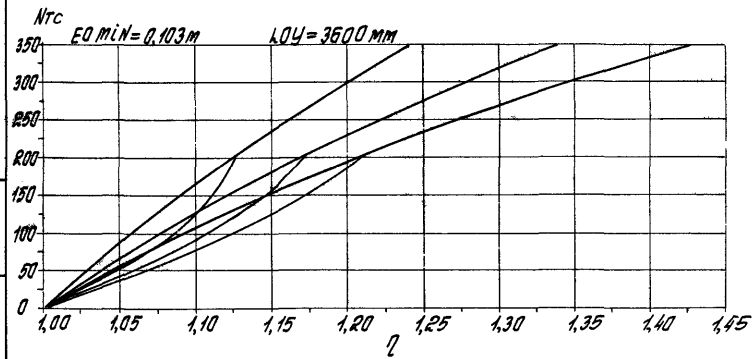
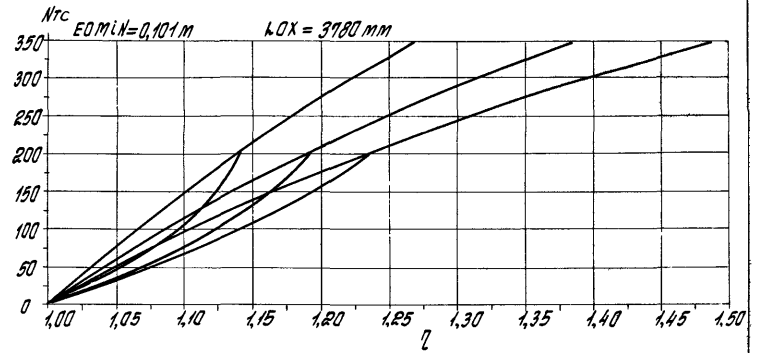
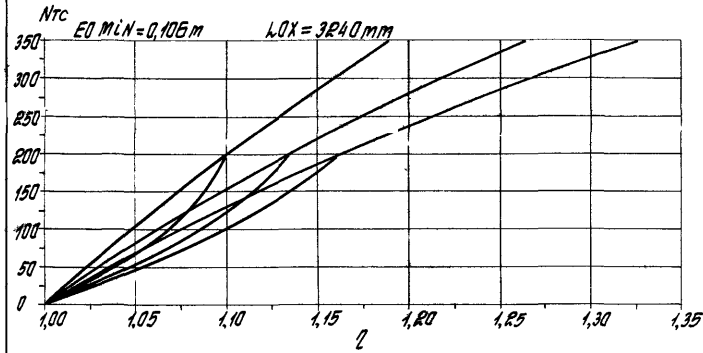


Класс бетона В 30,0 (R_R = 15,9 МПа при учете γ_{R2} = 0,90)
 Сталь Ат-IVС
 Код сечения - 117Б



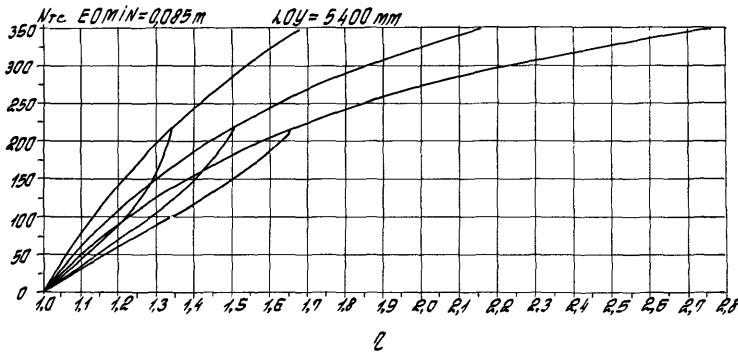
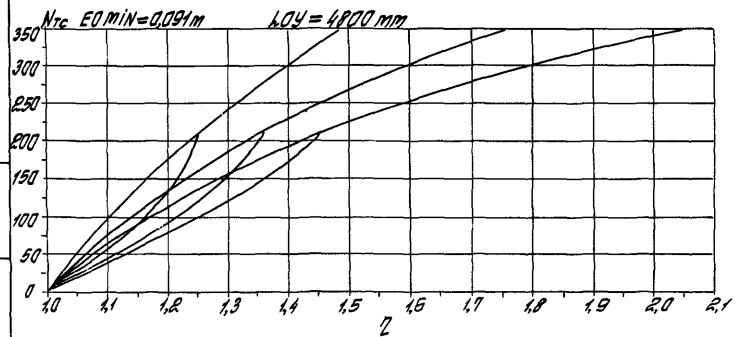
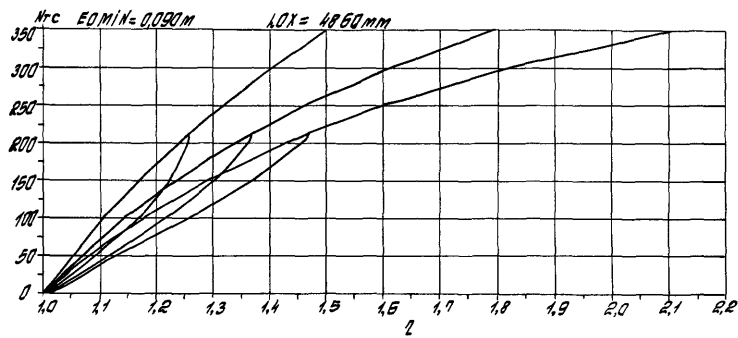
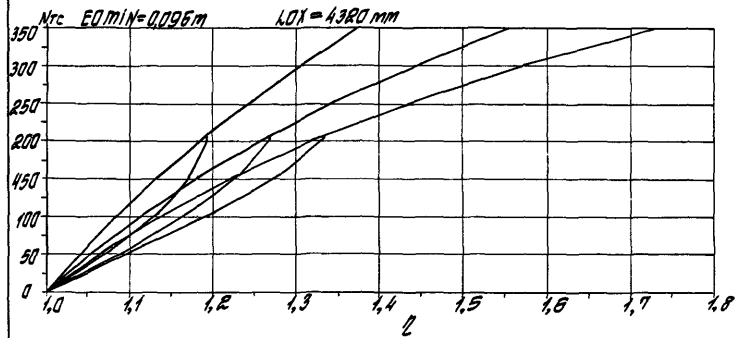
ММДП-117Б, ВООУИИЛС, ДОСТУП В СЕТИ ИЛИ В ЛИБ

1.020.1-4	0-9 002	Лист 138
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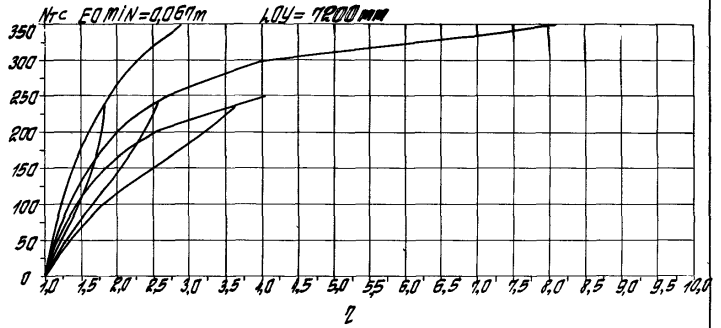
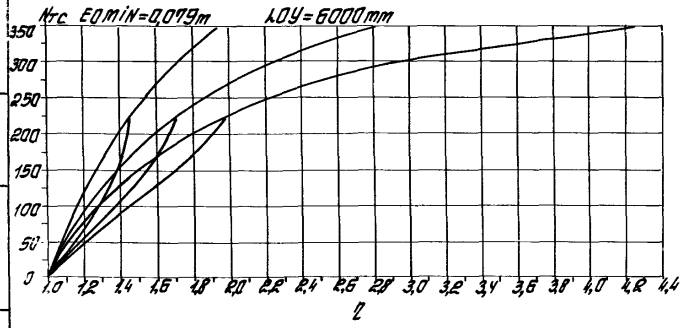
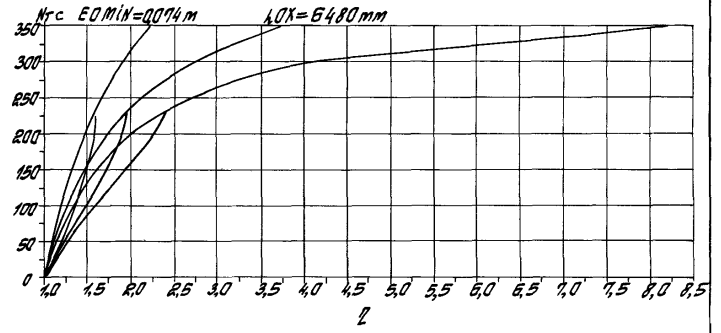
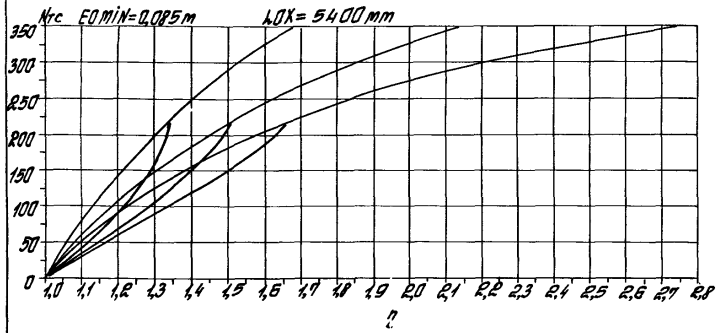
1.020.1-4 D-9 002
 1944

1.020.1-4 D-9 002
 1944



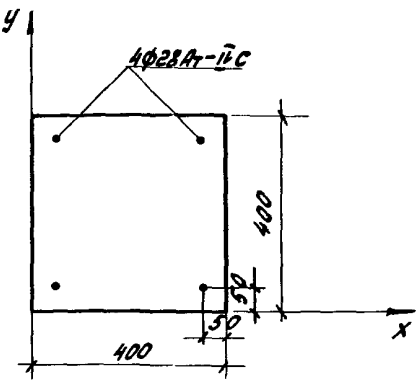
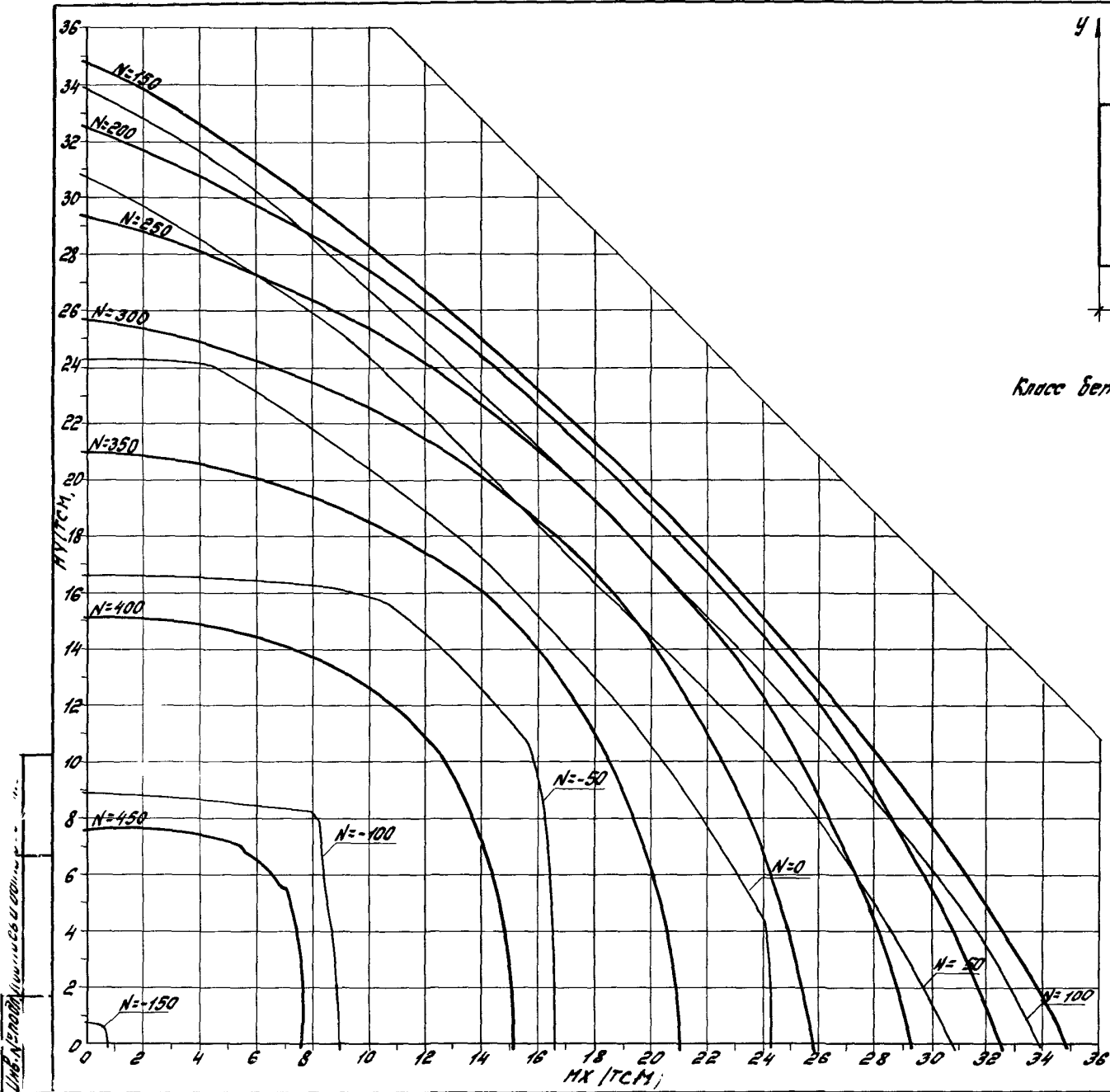
Věk...-di... v...-...-...-...-...

1.020.1-4 0-9 002 Nrcm
135



Лист № 2024. Издание и дата: 13.08.01

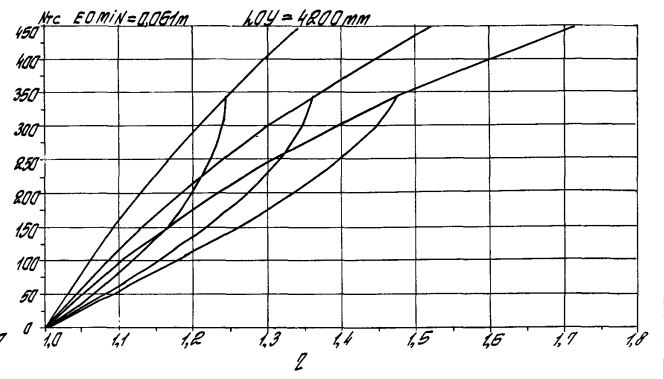
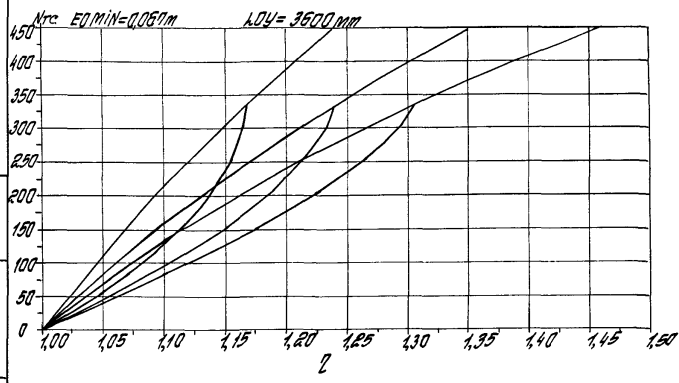
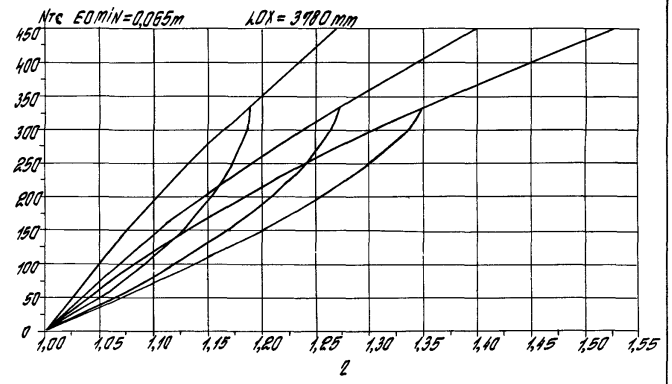
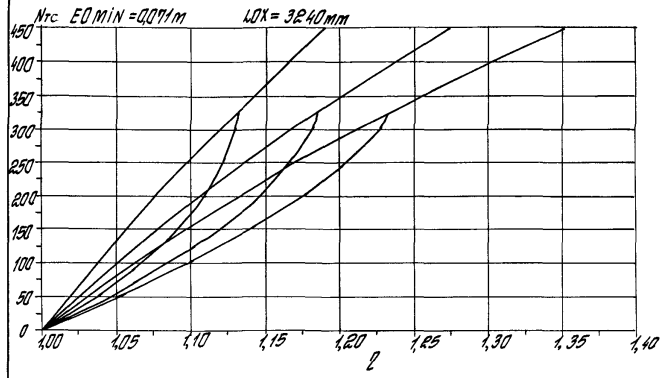
1.020.1-4 0-9 002	Лист 138
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Класс бетона В40.0 ($R_b = 24.2 \text{ МПа}$ при учёте $\gamma_{R2} = 1.10$)
 Сталь Ат-II С
 Код сечения - 118 а

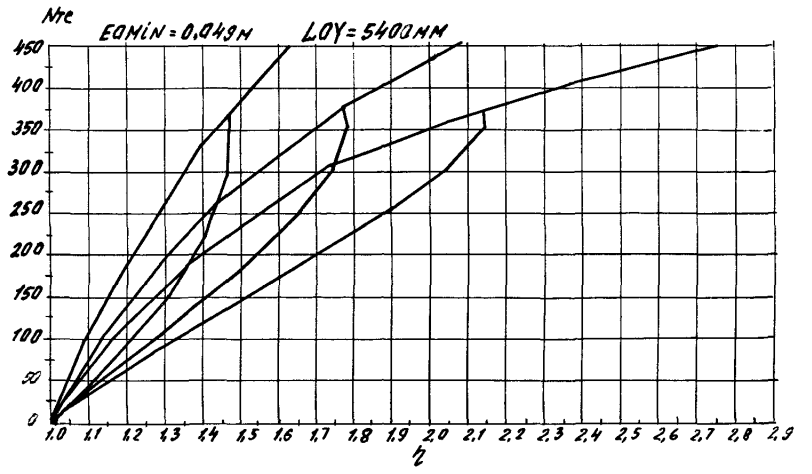
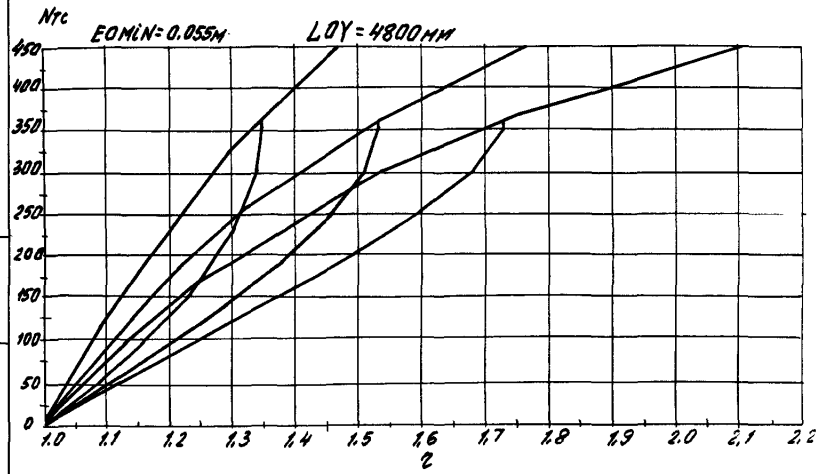
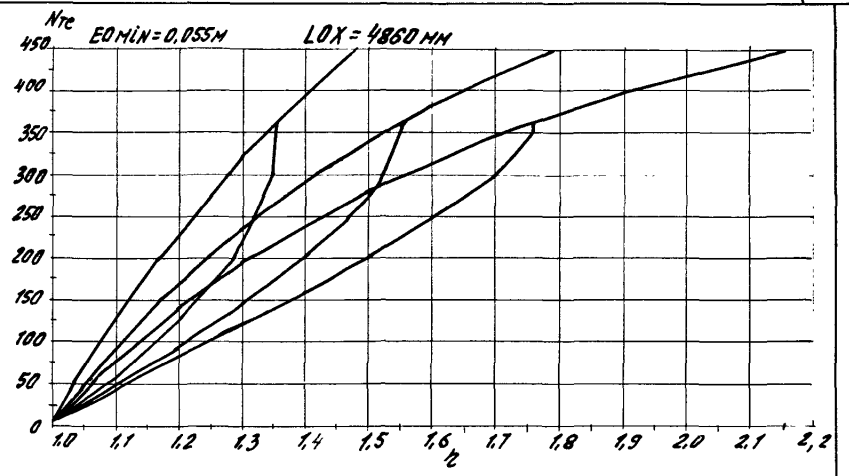
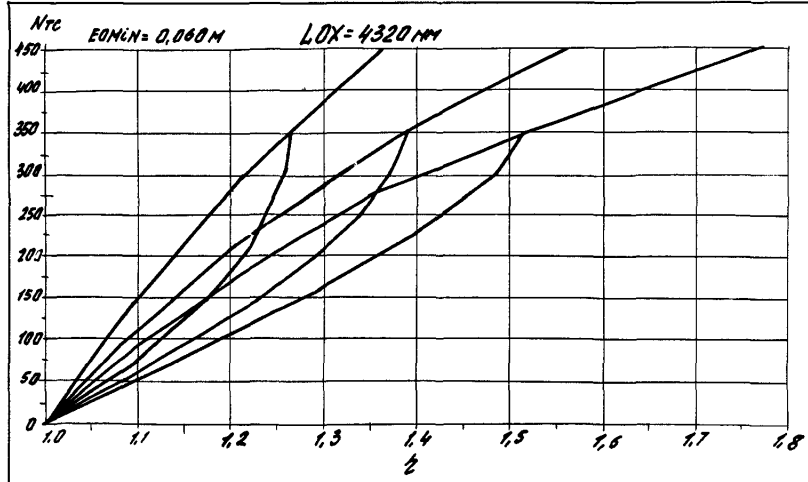
1.020. 1-4 0-9 002

Лист
137



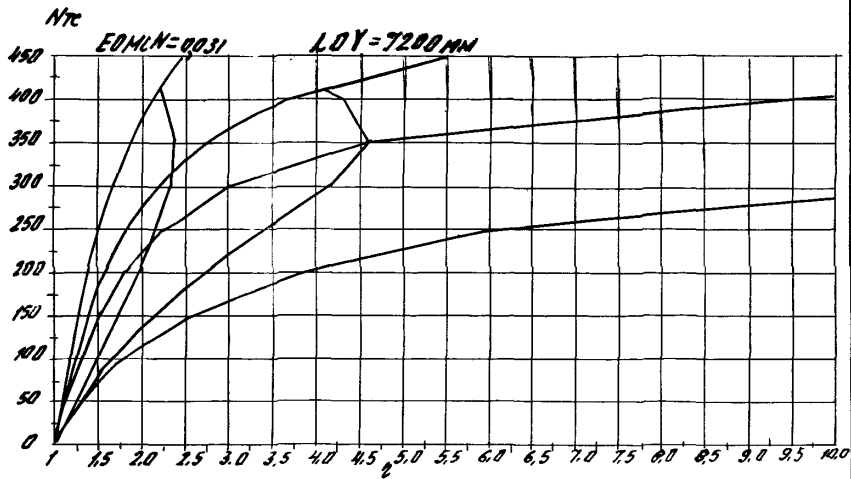
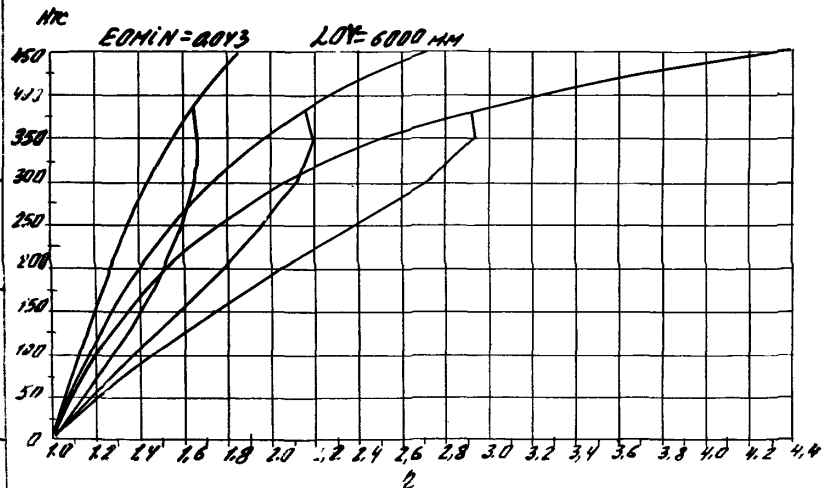
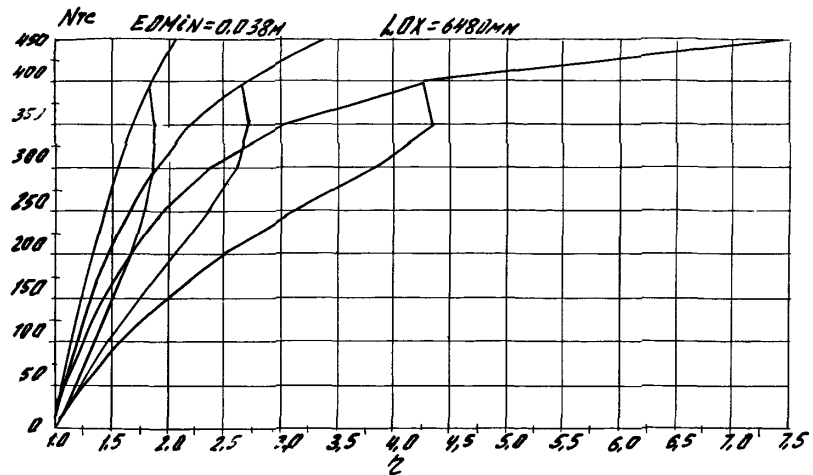
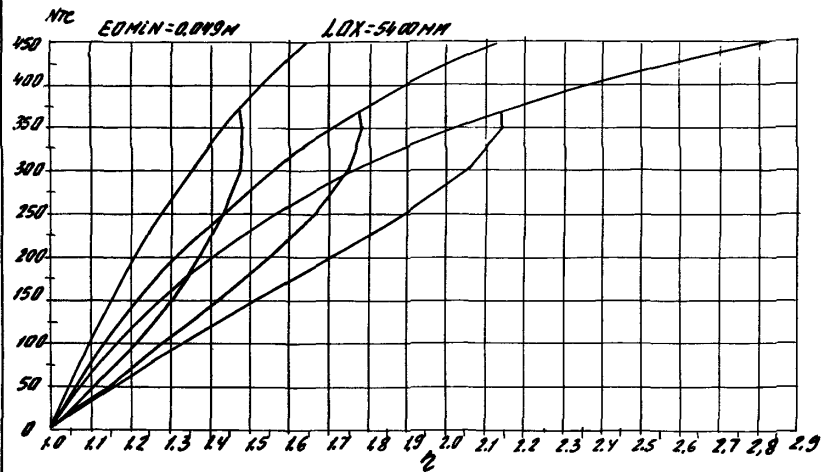
Лист № 002. Подписан в Санкт-Петербурге, 1938

1.020.1-4 0-9 002 Лист
138



УМБ АН ИОА Д "ИСС И ОРО" ВРОУ УИВ АН

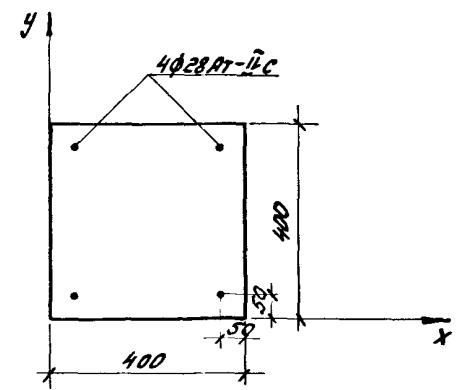
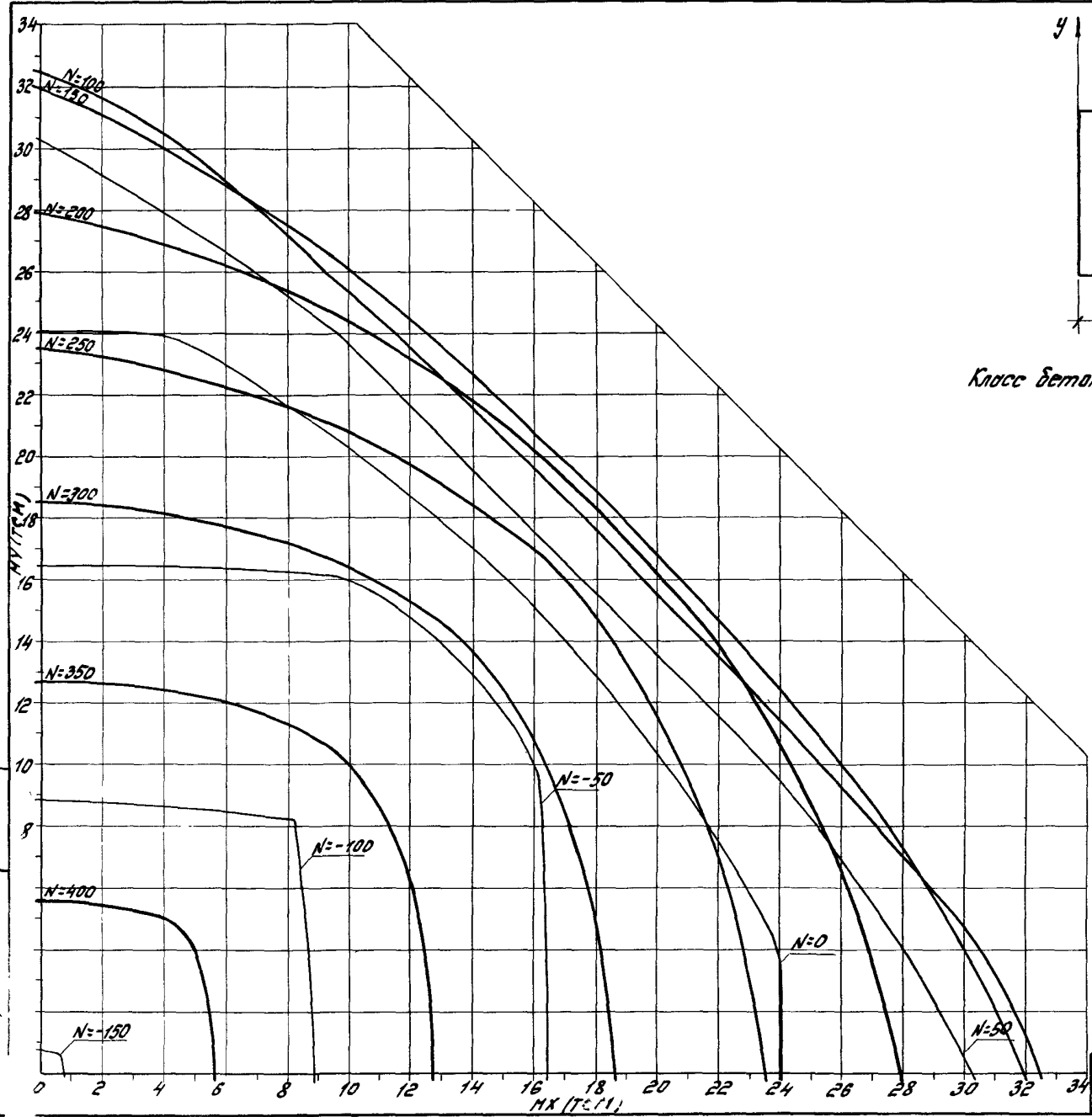
1.020.1-4 0-9 002 139



1408.145 мод.11. Подписано и датировано в соответствии с требованиями ГОСТ 1020.1-4

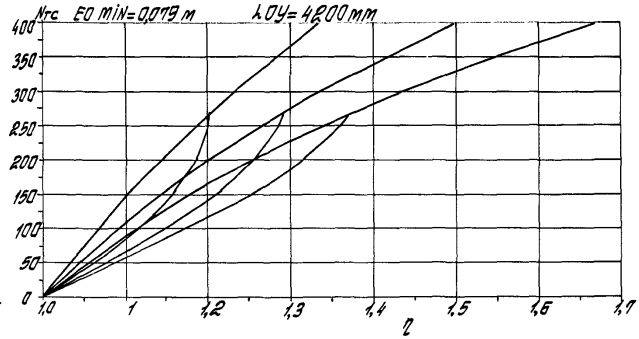
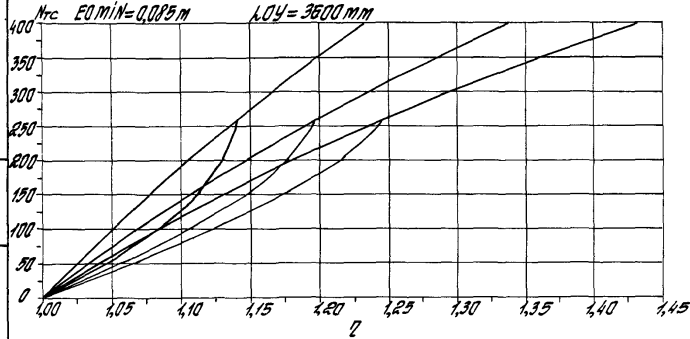
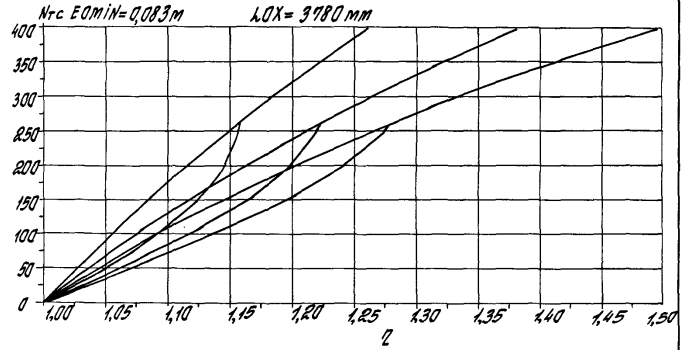
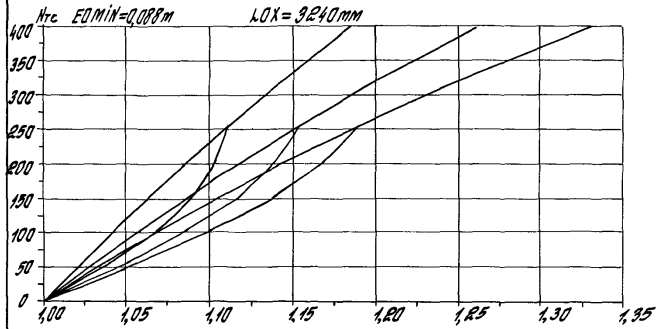
1.020.1-4 0-9 002

ИЗДАЕТ
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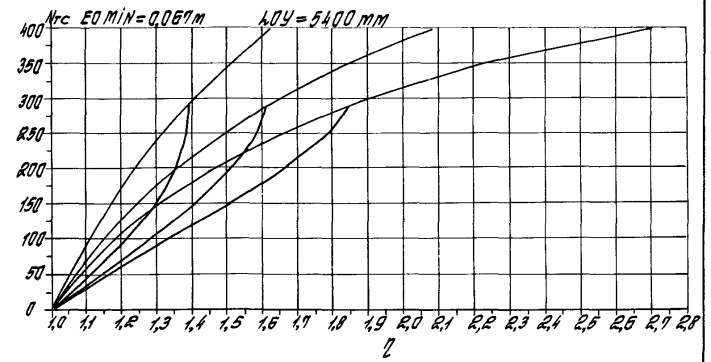
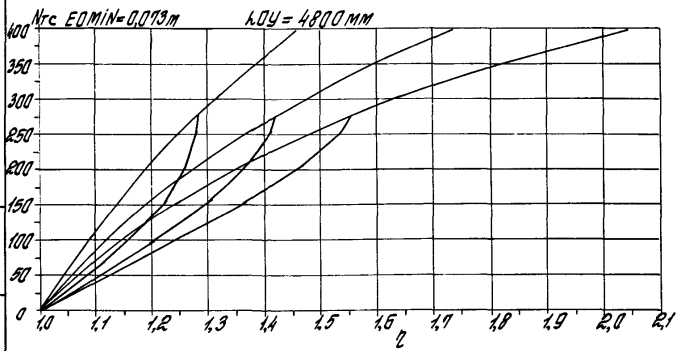
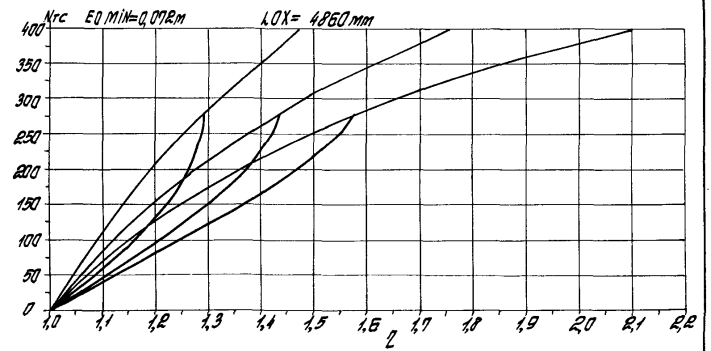
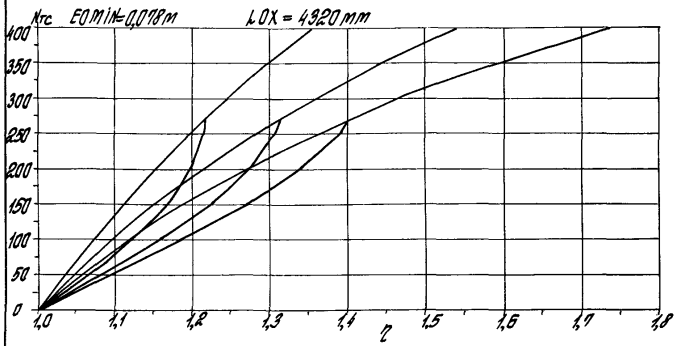
Класс бетона В40.0 ($R_b = 19.8 \text{ МПа}$ при учёте $\gamma_{b2} = 0.90$)
 Сталь Ат-1С
 Код сечения - 1135

1.020. 1-4 0-3 002

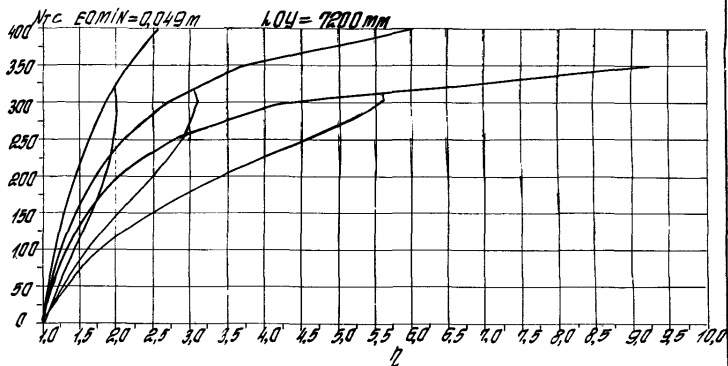
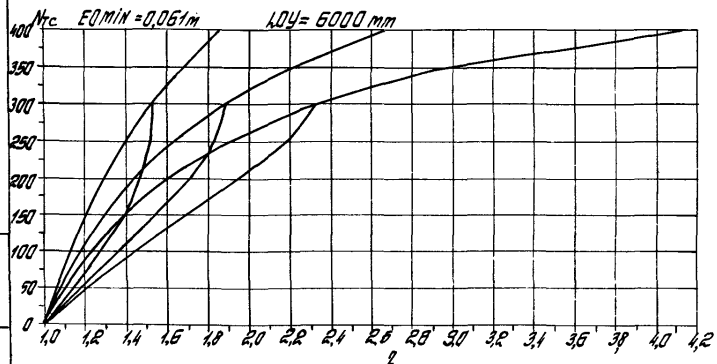
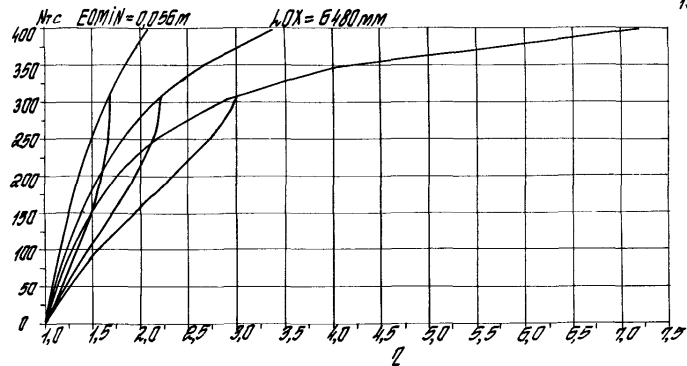
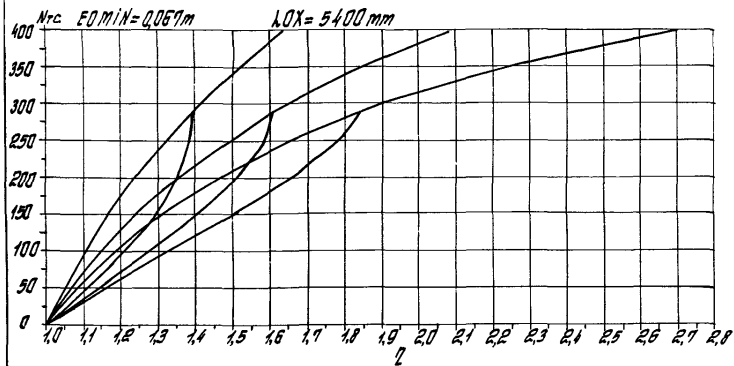


Vrsta i količina materijala

1.020.1-4 0-9 502	<i>Acem</i>
	142

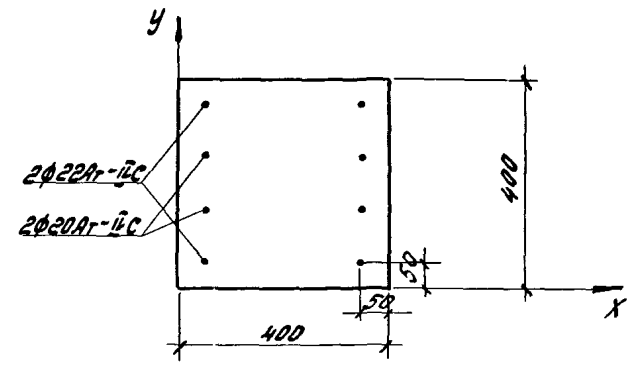
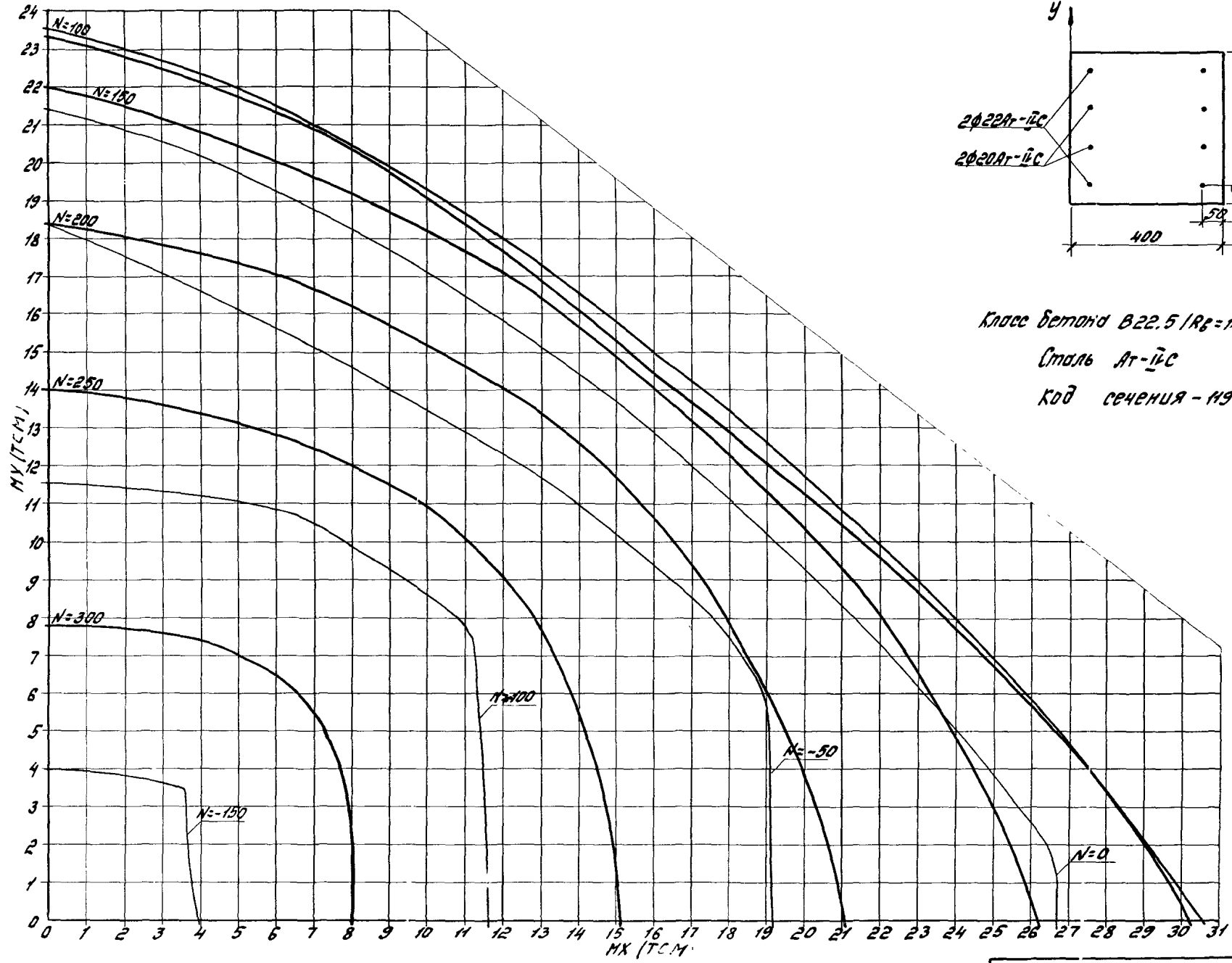


1.0201-4 0-9 002 Acem
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1.020.1-4 0-9 002

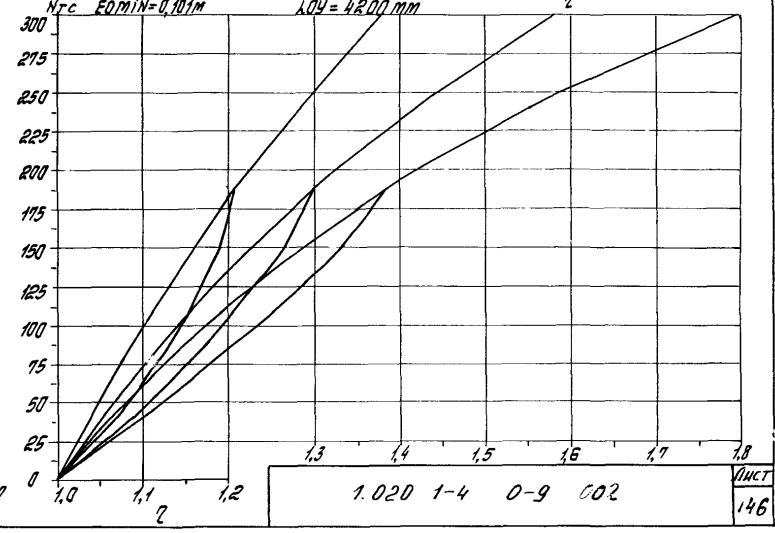
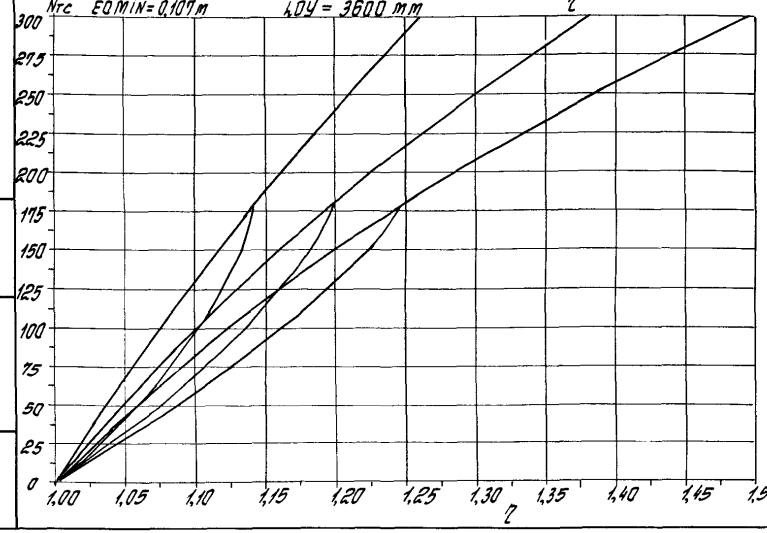
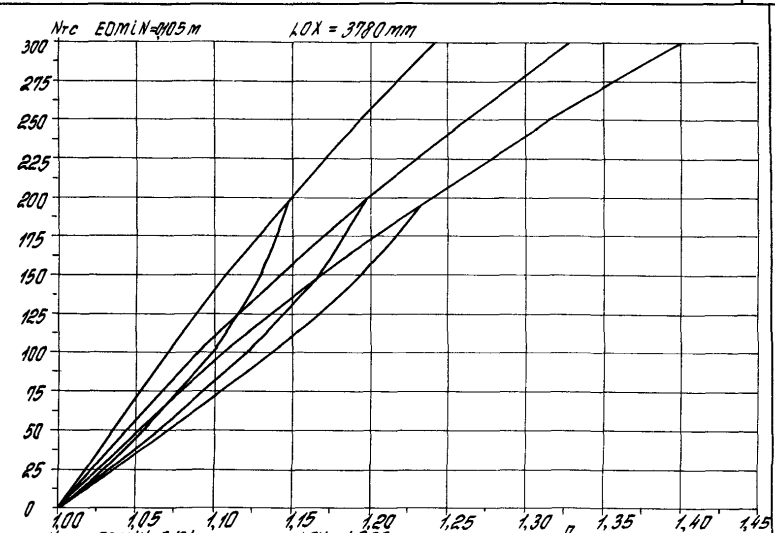
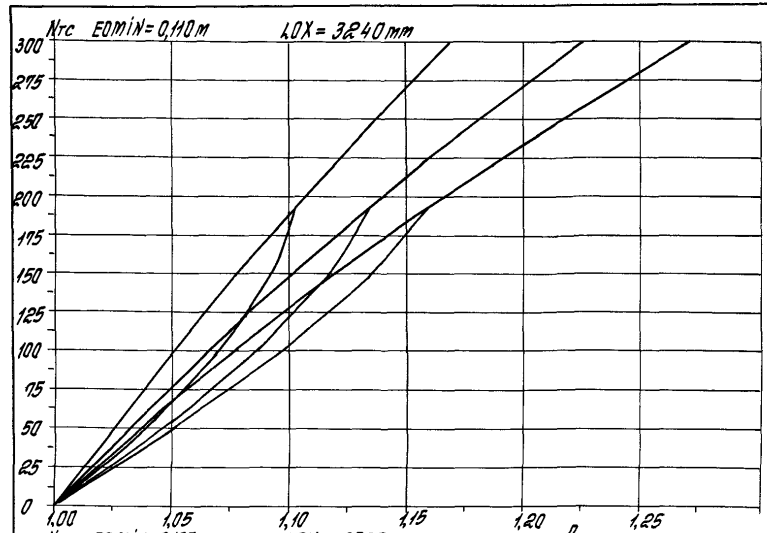
1.020.1-4 0-9 002	лсм 144
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Класс бетона В22.5 / $R_b = 14.3$ МПа при учете $\gamma_{b2} = 1.10$
 Сталь Ar-1C
 Код сечения - Н94

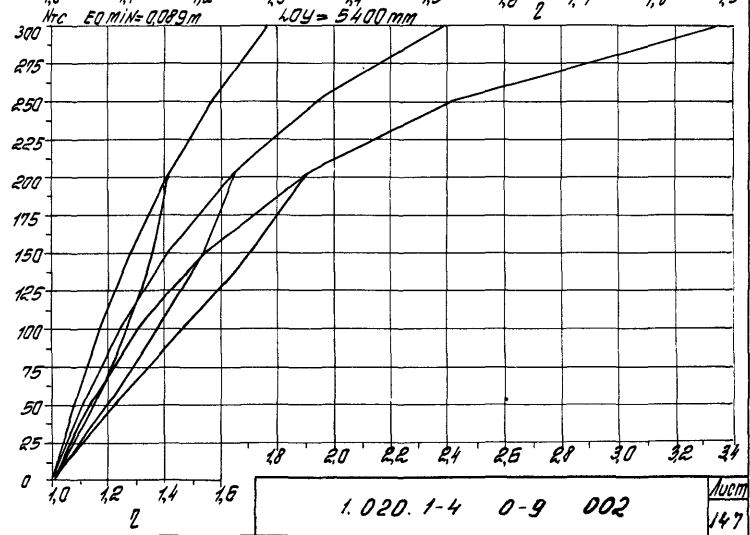
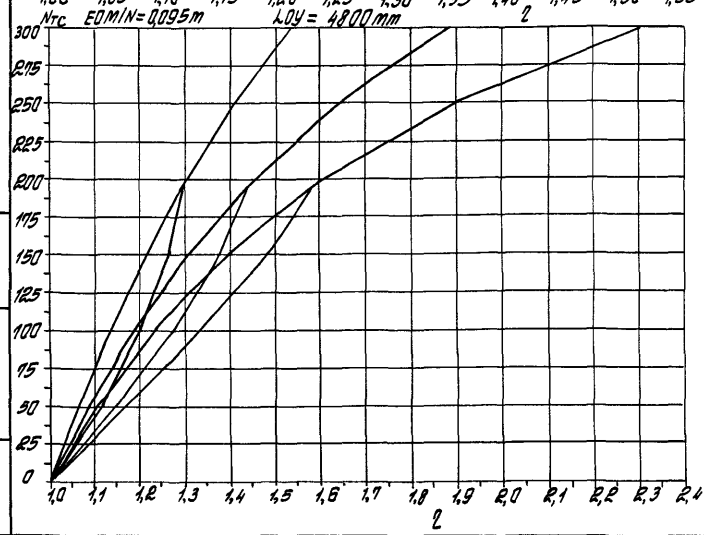
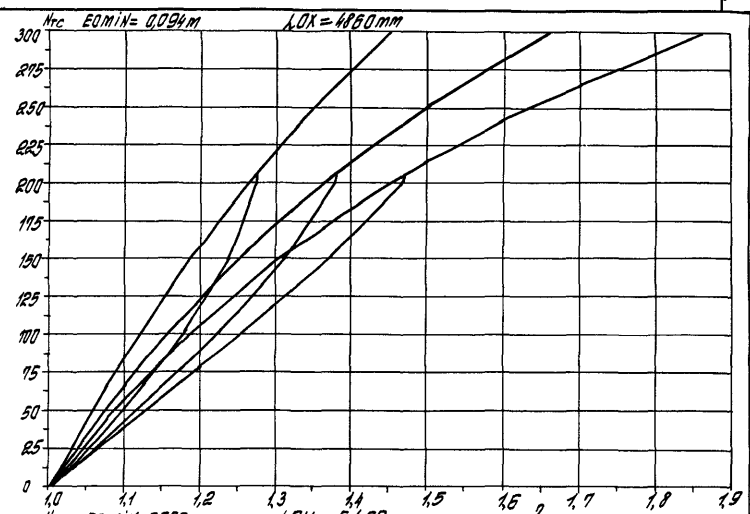
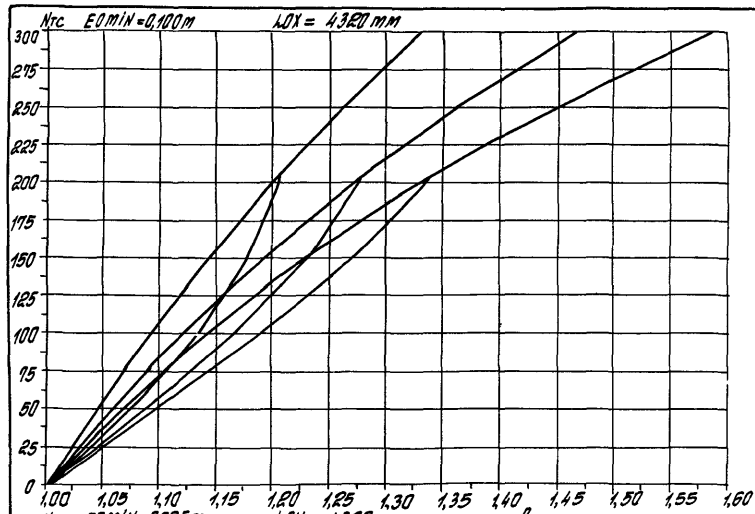
1.025. 1-4 0-У 002 14.5

УНТА № 1000 А. ПРОВУДИТЕ У ПЛОТНОМ СЛОЮМ УНТА № 1000 А.



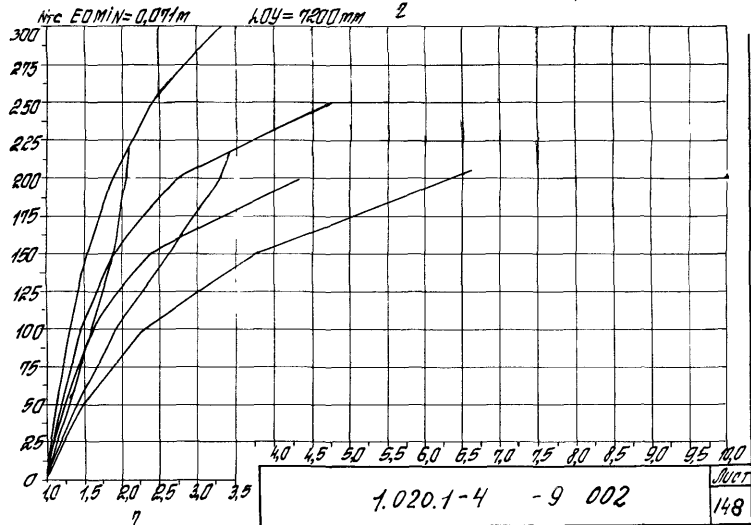
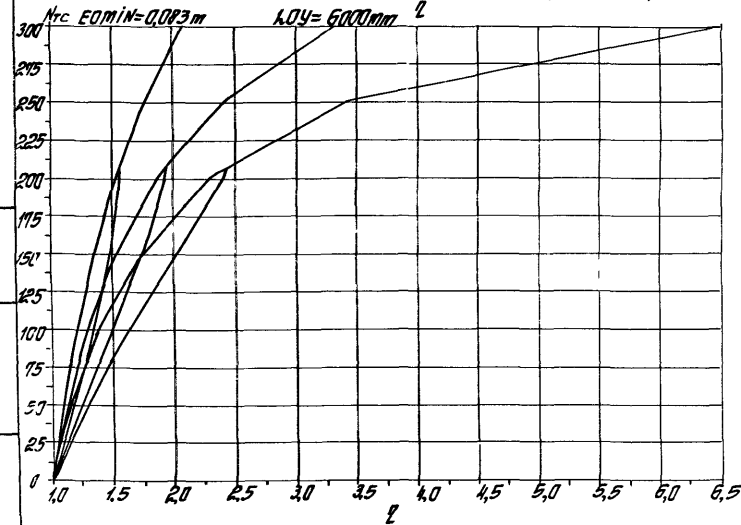
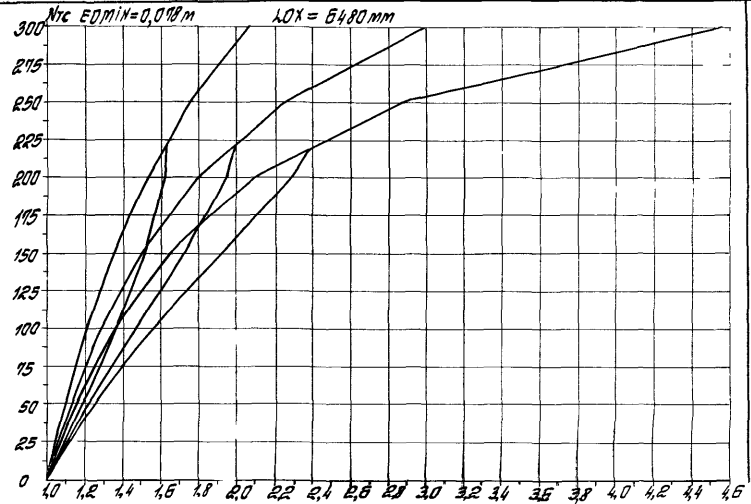
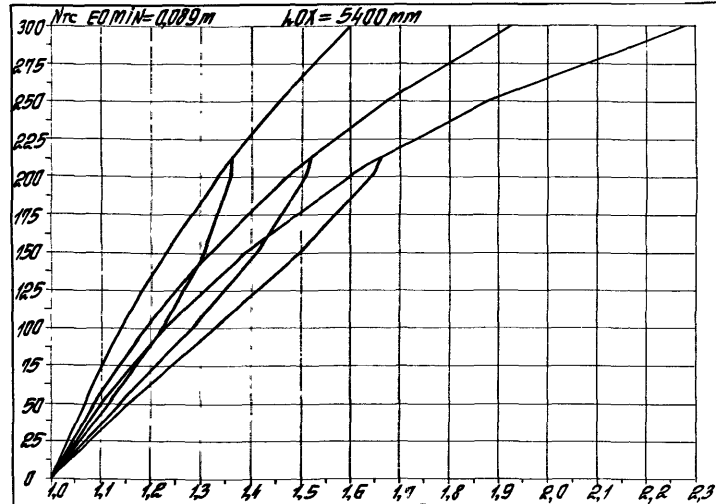
1.020 1-4 0-9 002

ДУКТ
146



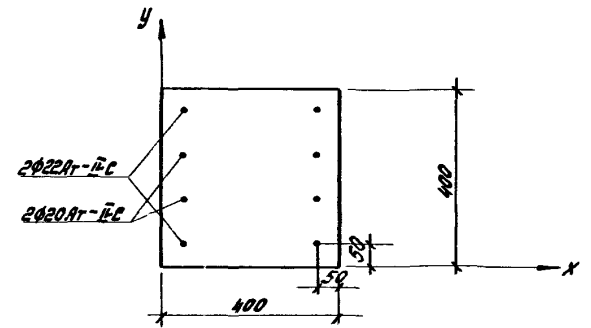
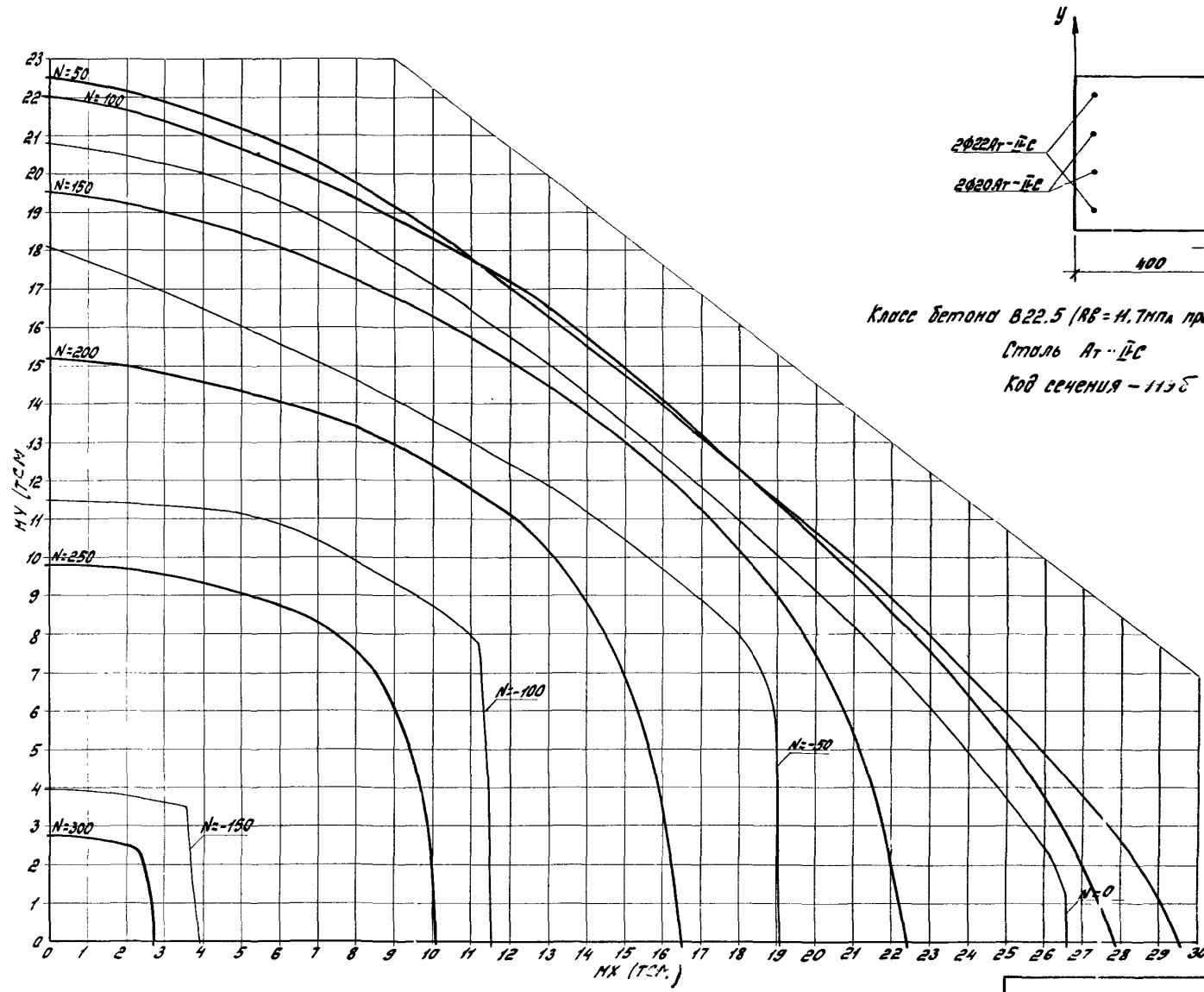
Шкала по ГОСТ 17005-77. Измерения в мм.

1.020.1-4 0-9 002 Aum
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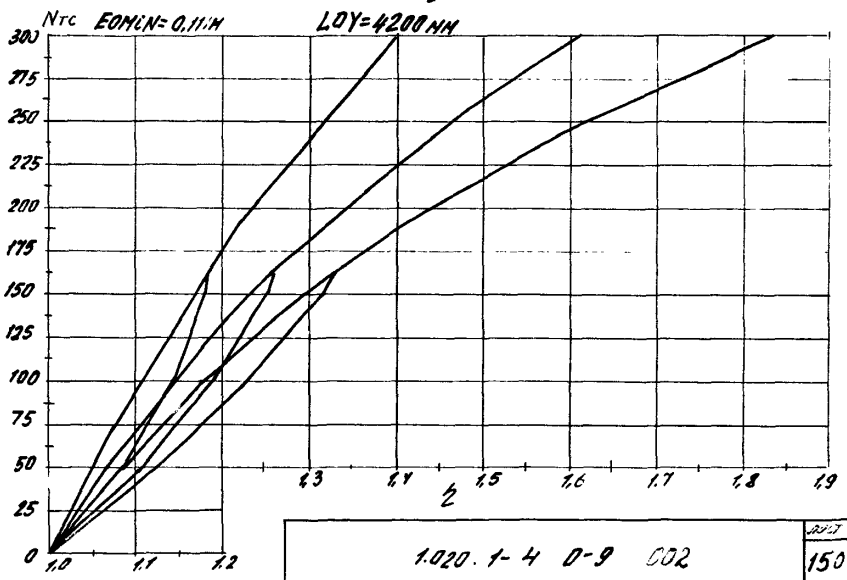
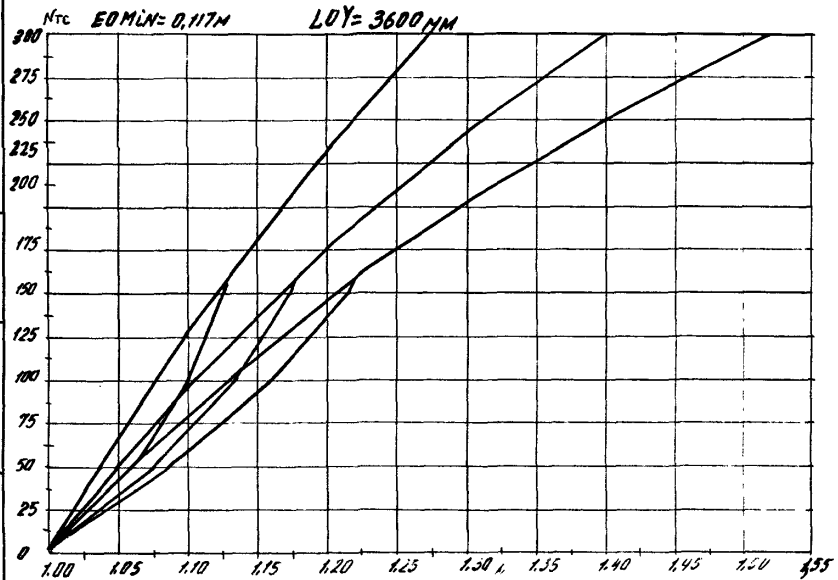
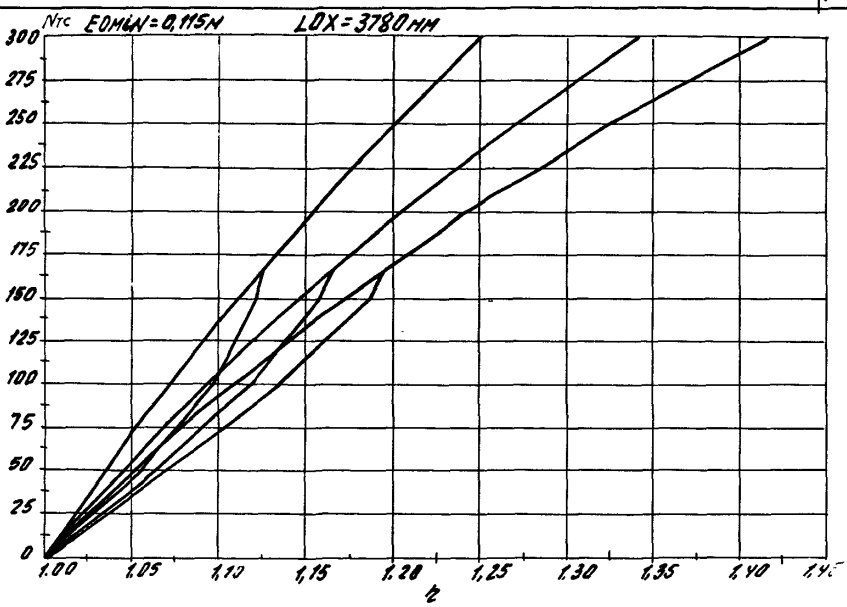
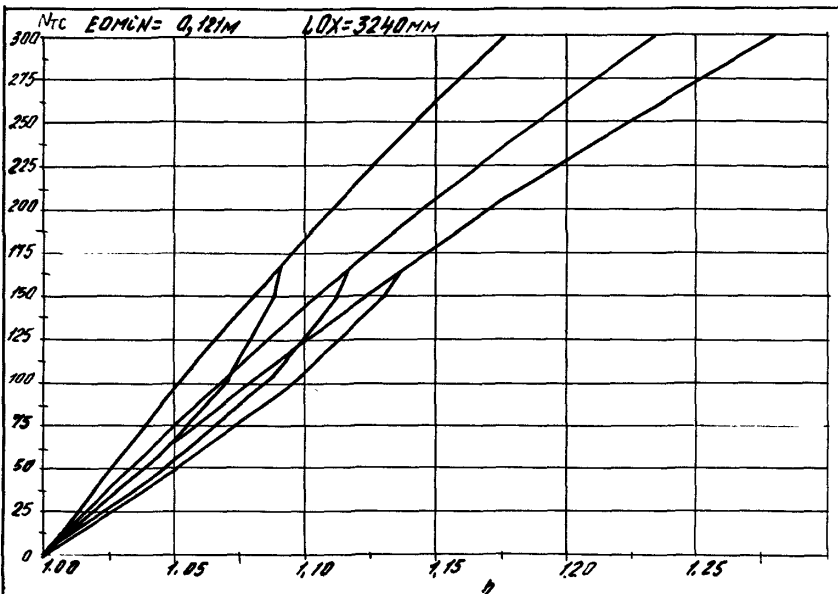
УДАЧА НА ПЛОЩАДИ КОЭФФИЦИЕНТ Л. ОБЪЕМА КОЭФФИЦИЕНТ Л. МАССЫ

4,0 4,5 5,0 5,5 6,0 6,5 7,0 7,5 8,0 8,5 9,0 9,5 10,0
 1.020.1-4 - 9 002 ШЕЛ 148



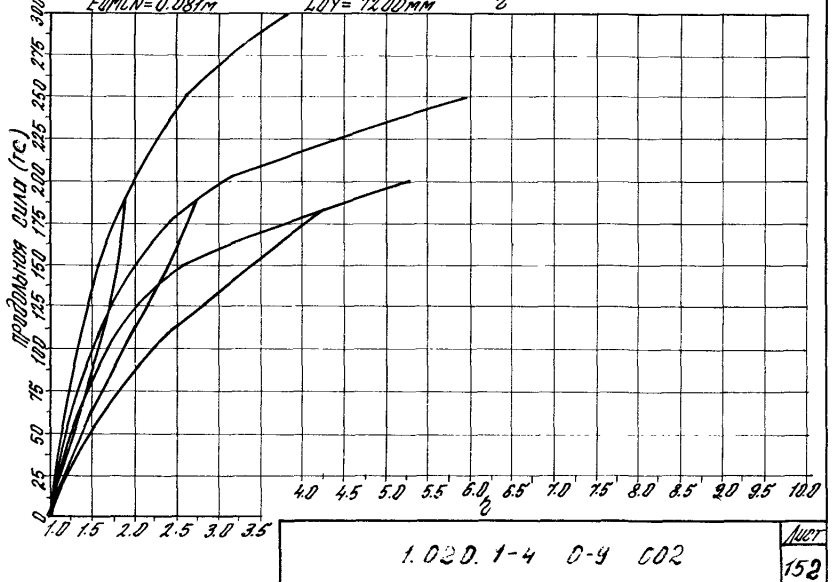
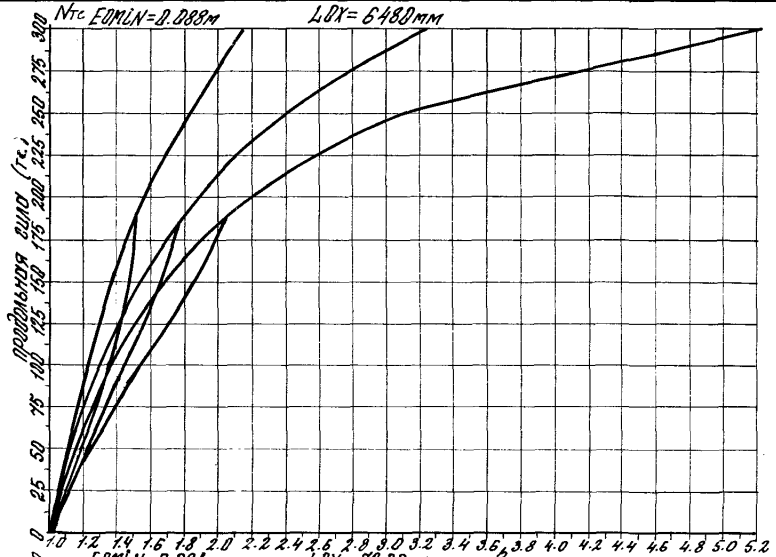
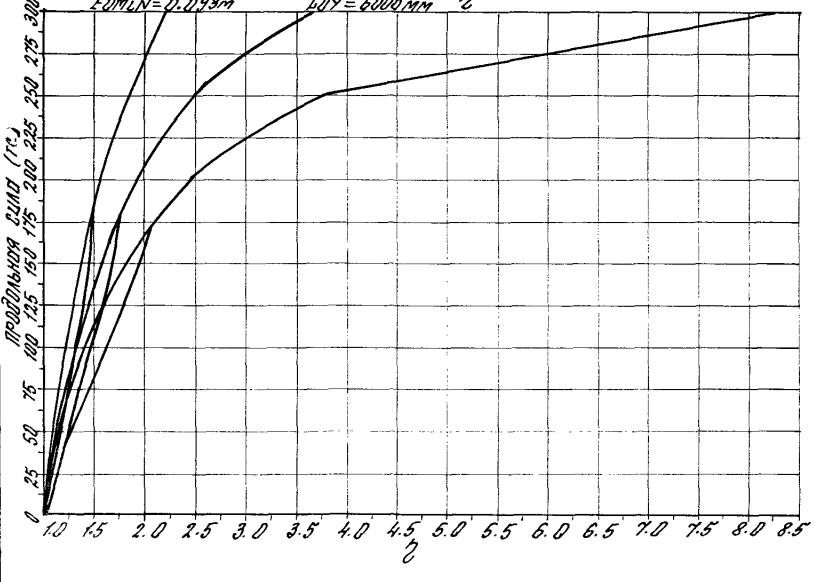
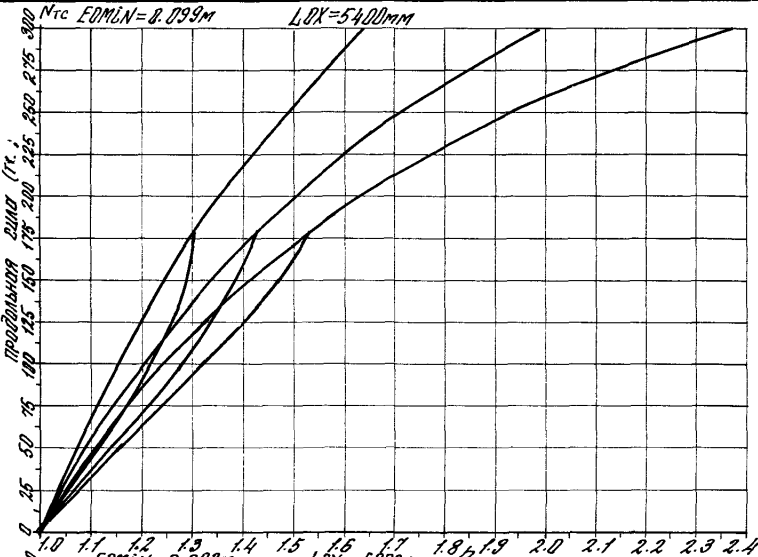
Класс бетона В22.5 ($R_B = 11.7 \text{ МПа}$ при учёте $\gamma_{B2} = 0.90$)
 Сталь Ат-ІІС
 Код сечения - 115Б

1.020. 1-4 0-9 002



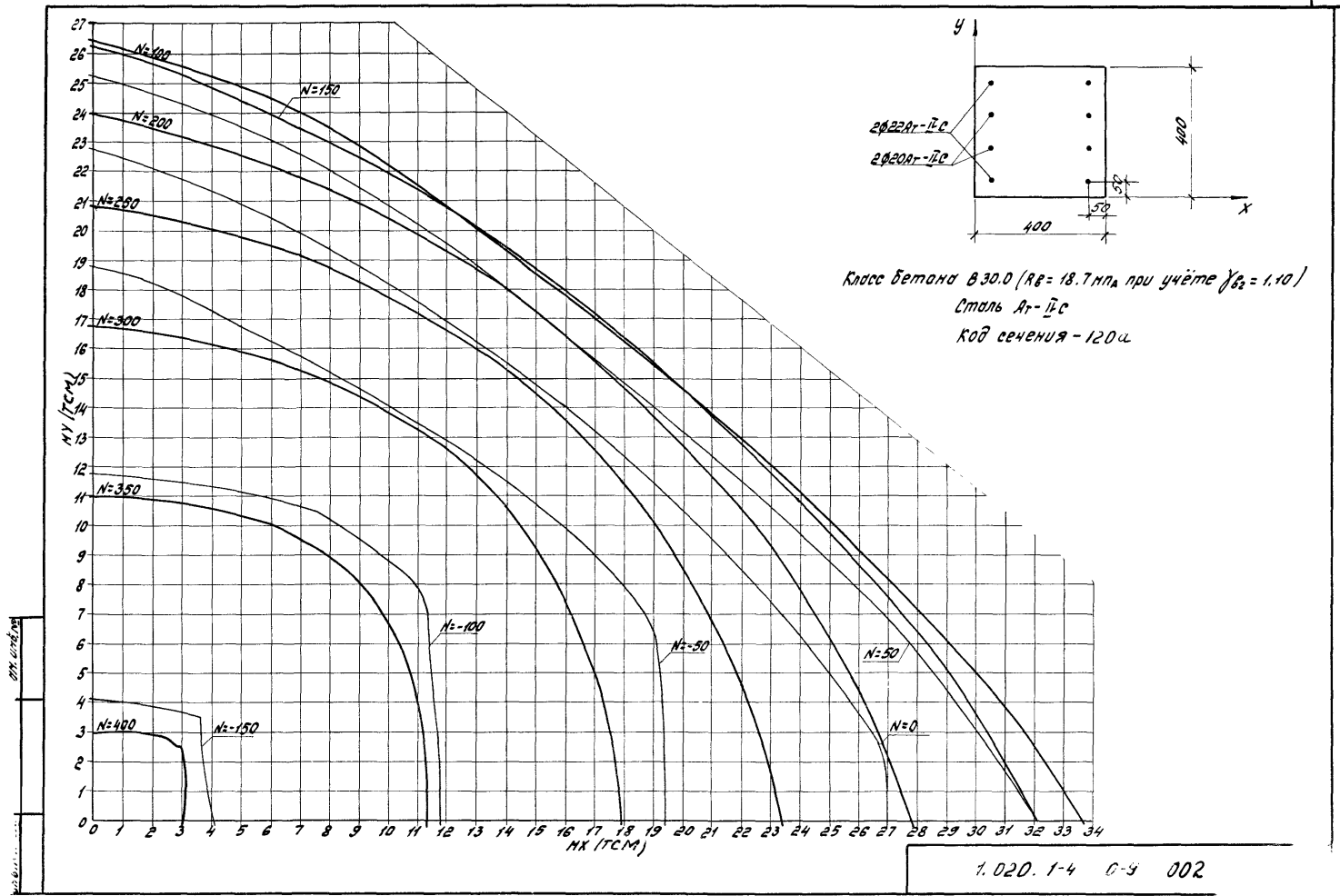
1.020. 1-4 0-9 002 150

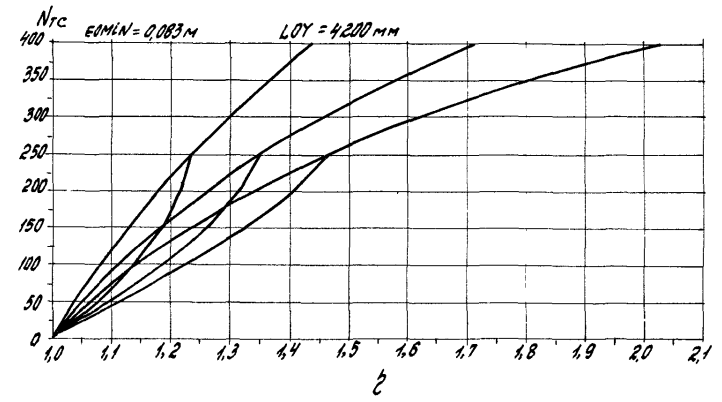
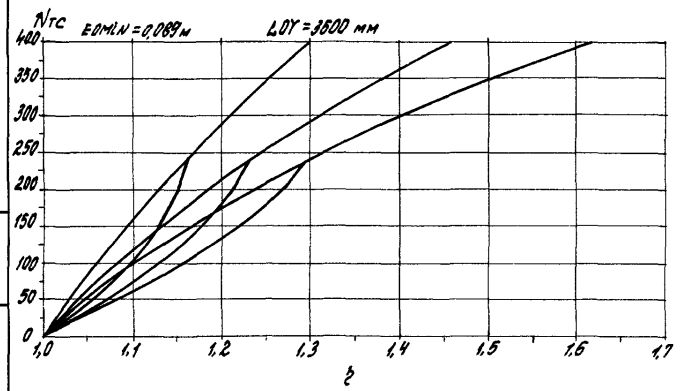
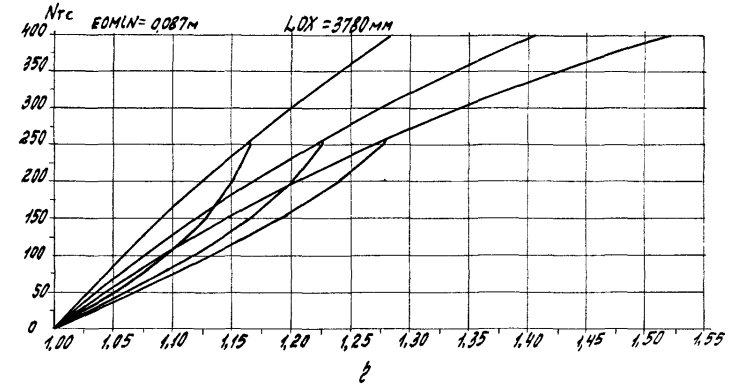
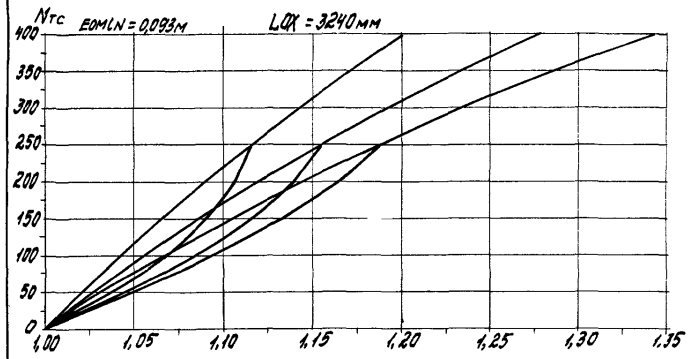
Исч. на основании результатов измерений



1.020.1-4 0-4 CO2

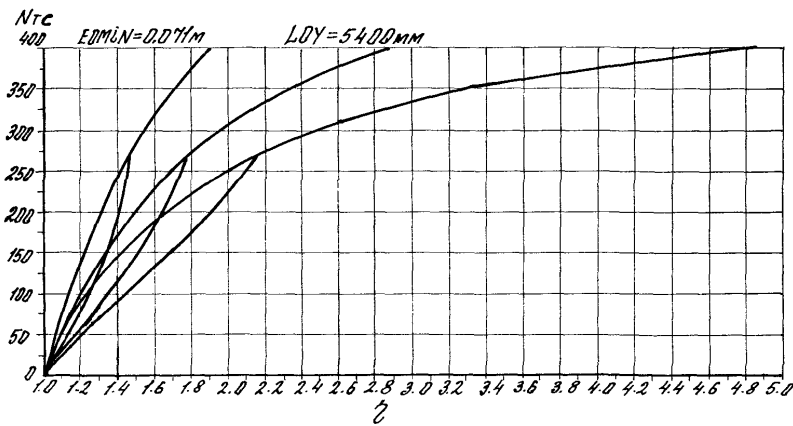
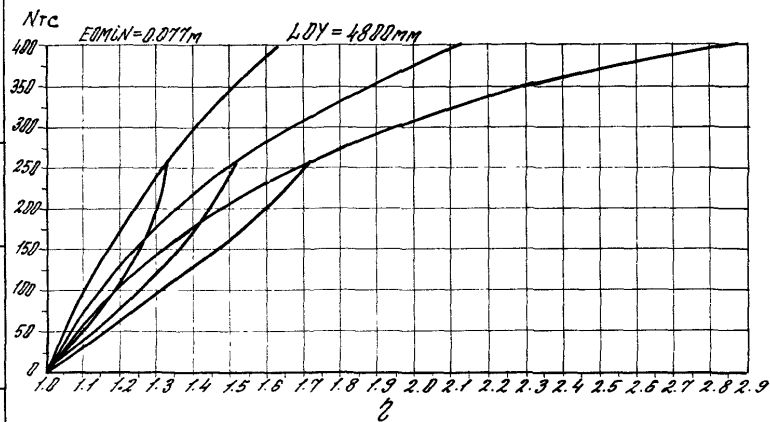
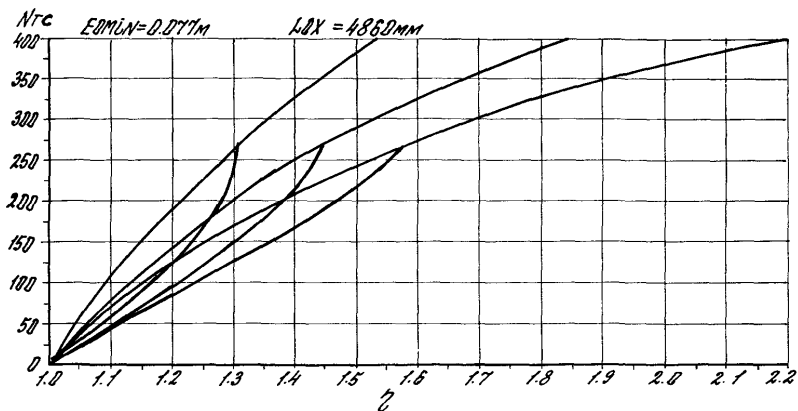
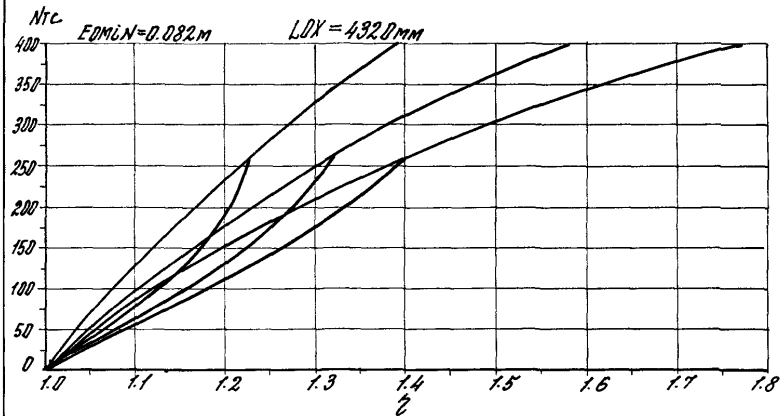
Исч. 152





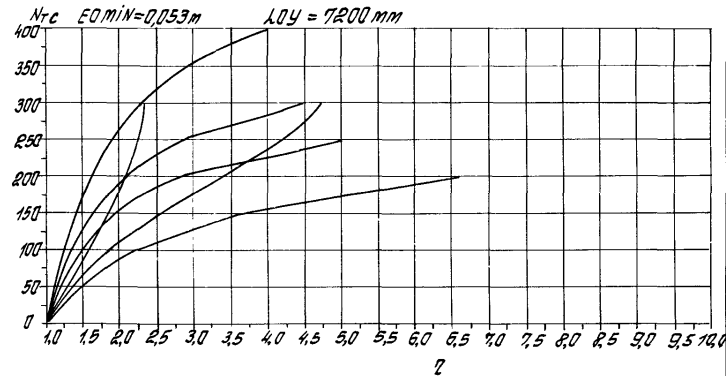
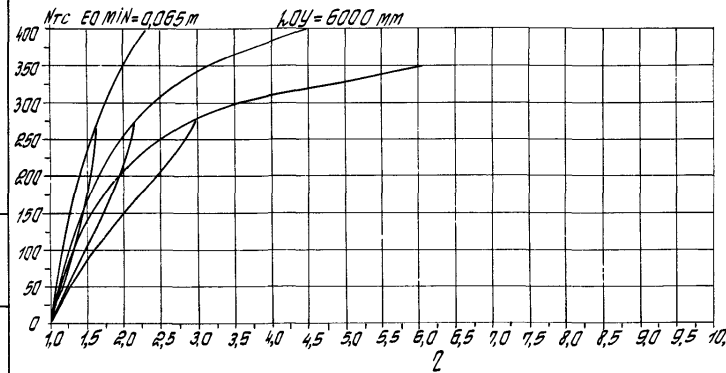
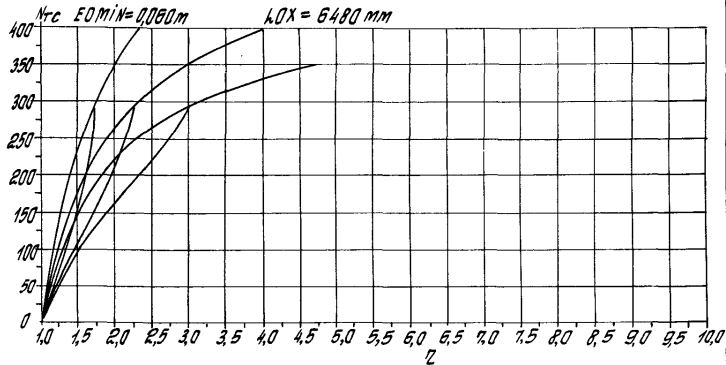
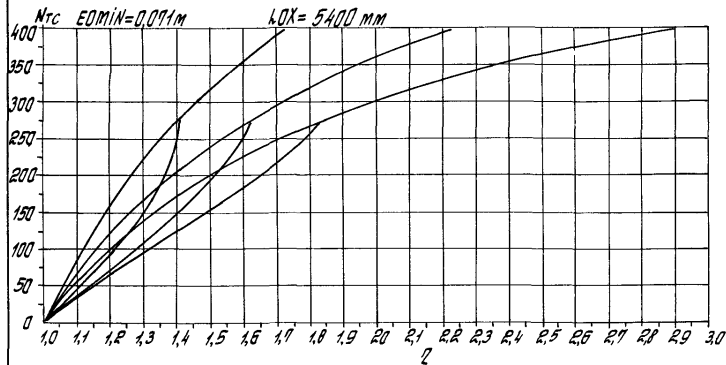
Linh. Noveca (Tehnološki u okviru EOMLN L.083)

1.020.1-4	0-9	002	11/17
			154



1.023. 1-4 0-9 002

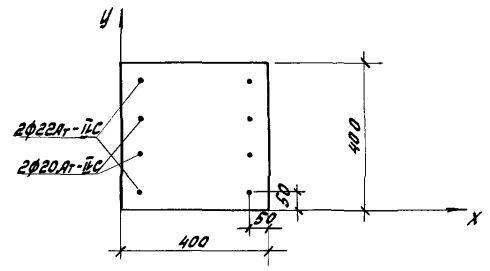
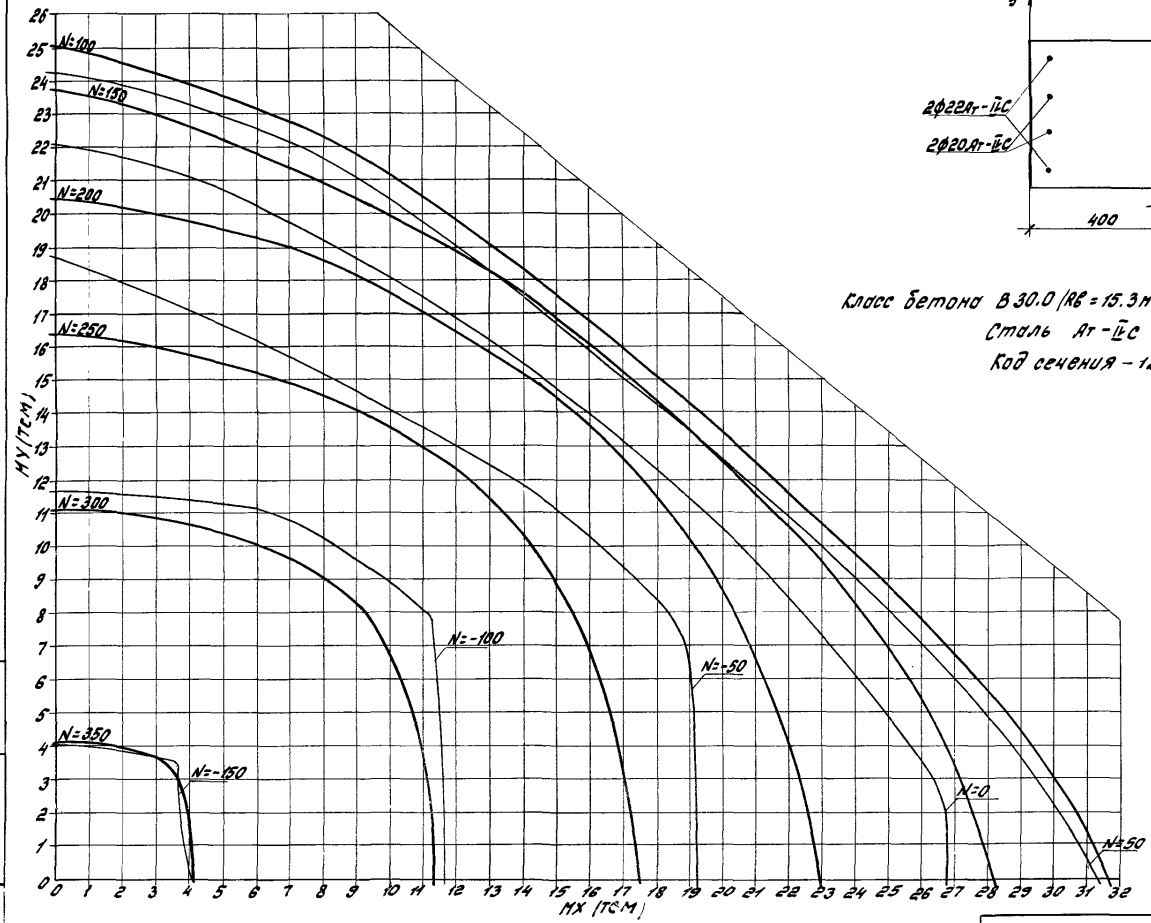
AugT
155



Учеб. № 100. Умножение и деление десятичных дробей

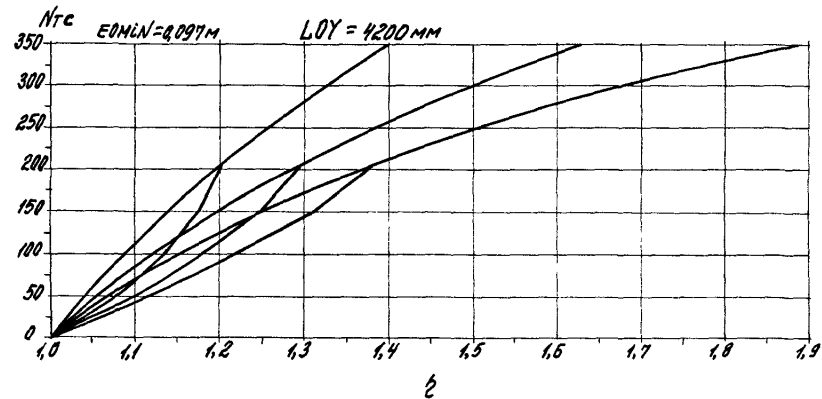
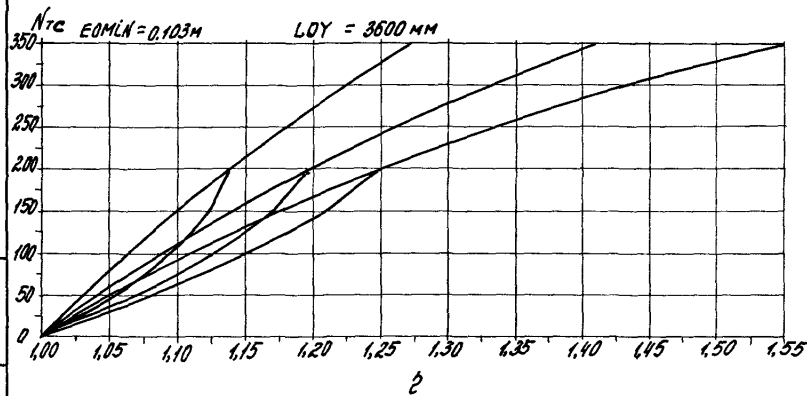
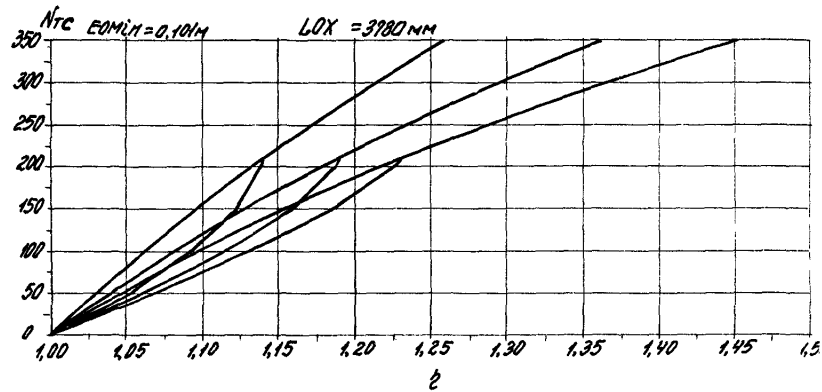
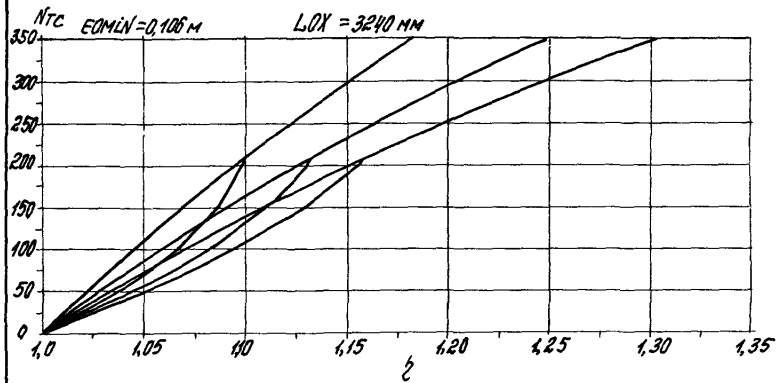
1.020. 1-4 0-9 002

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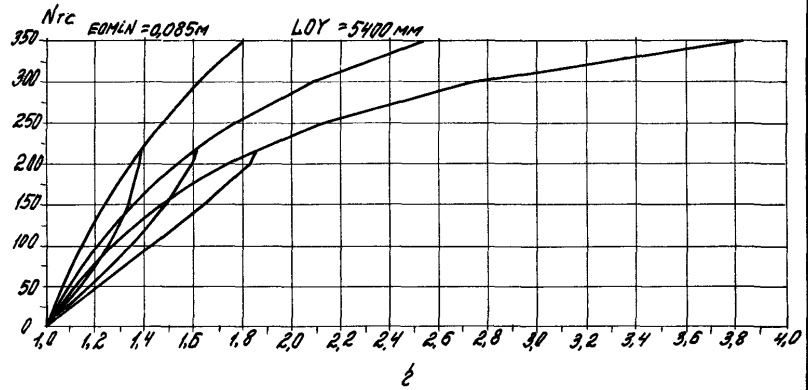
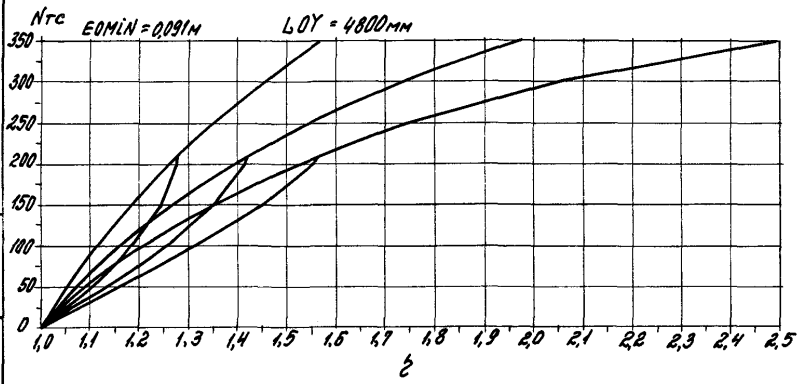
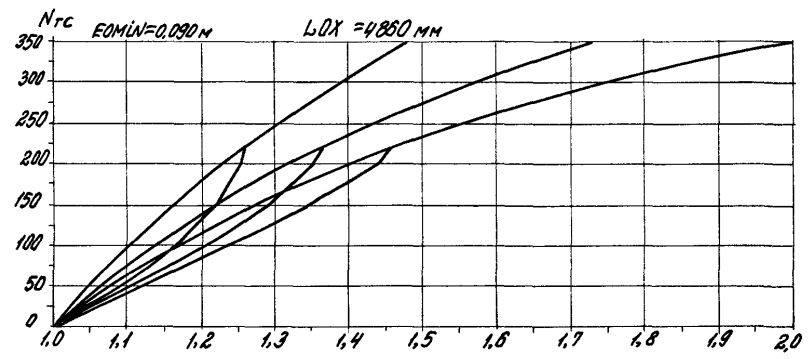
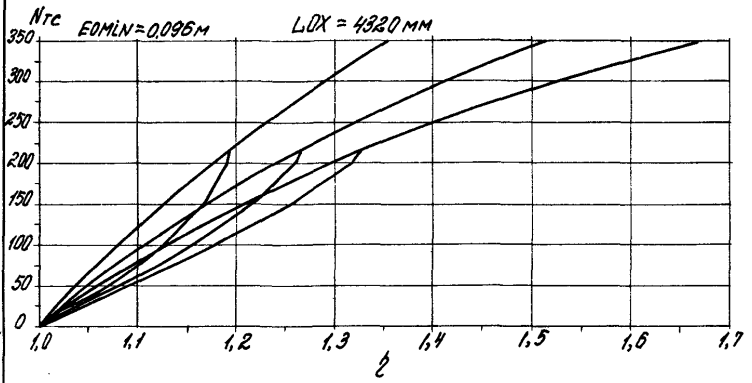
Класс бетона В 30.0 ($R_b = 15.3 \text{ МПа}$ при учёте $\gamma_{b2} = 0.90$)
 Сталь Ar-IIc
 Код сечения - 120Б

1.020.1-4	0-9	002	Лист
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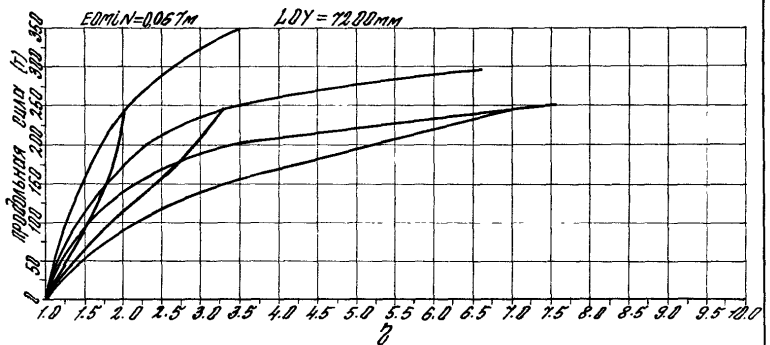
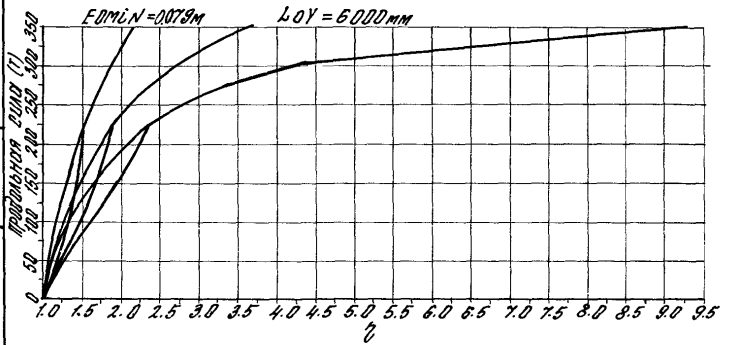
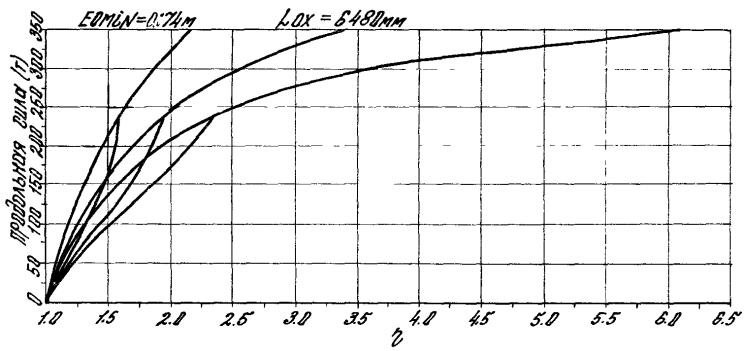
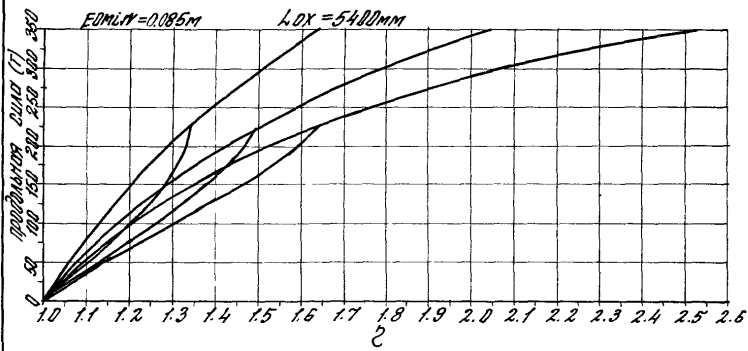


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