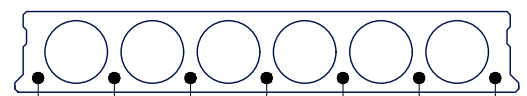


 **RETIRAR O CONCRETO**

OBS.:
fck do concreto = 40MPa
fck de desprotenção =21MPa
cobrimento mínimo da armadura = 2,5cm
fator a/c < 0,45
- Para liberação das peças para manuseio e transporte ver procedimento PS-QUA-001.
- Para pontos de apoio para armazenamento das peças no pátio e transporte ver procedimento PO-PRD-001.
- Para tolerâncias dimensionais dos elementos pré-fabricados, ver procedimento sistêmico PS-QUA-001
- Na montagem das lajes com largura menor do que 125cm, as peças deverão ser içadas com cinta, corrente ou cabo de aço. Não deverá ser utilizada a garra.
- Arranhar a superfície da laje para aderência da capa.

TAMPAR ALVÊOLOS:
SIM ☒ NÃO ☐

ARMADURA PARA LAJES LP20
LA001 A LA007



7ø12.7mm-CP190RB (PROTENSÃO 75%)
CONTRA-FLECHA ESTIMADA: 21mm
CONTRA-FLECHA ADMISSÍVEL: 33mm

QUADRO DE REVISÕES		DATA	DESENHO
REVISÃO	DESCRIÇÃO	01/05/23	SS/UL
R01	EMISSÃO INICIAL	06/03/23	END
R02	ALTERAÇÃO COMPRIMENTO DA LAJE	01/05/23	END
R03	AJUSTES GERAIS		

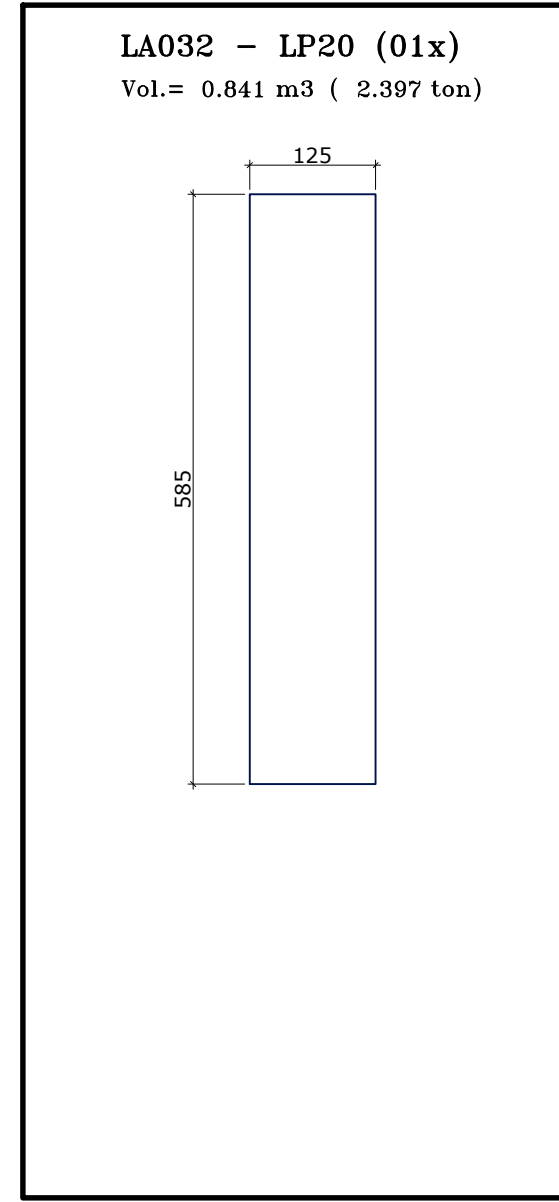
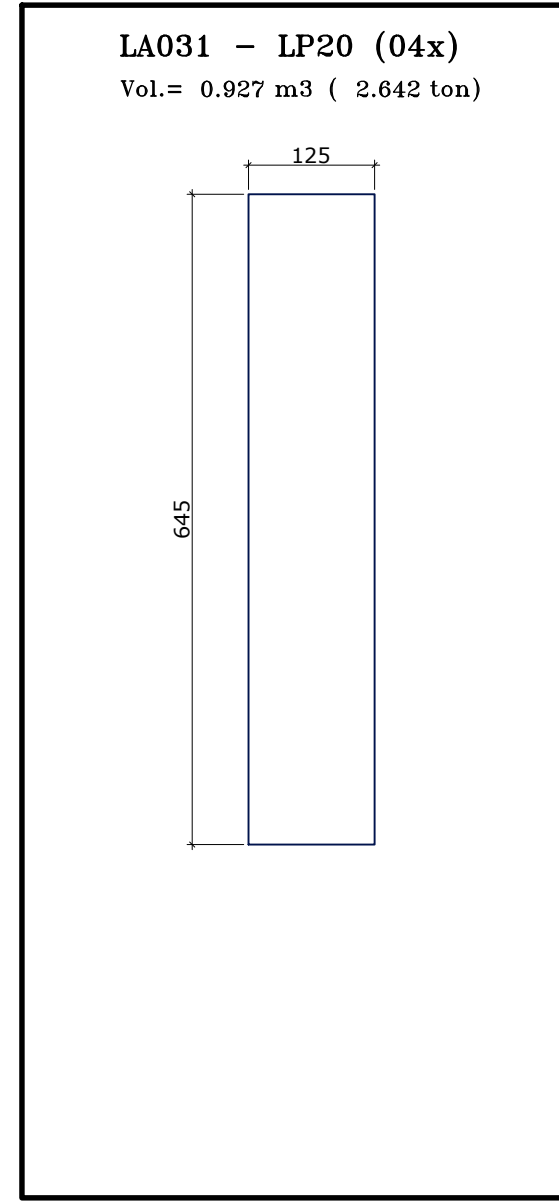
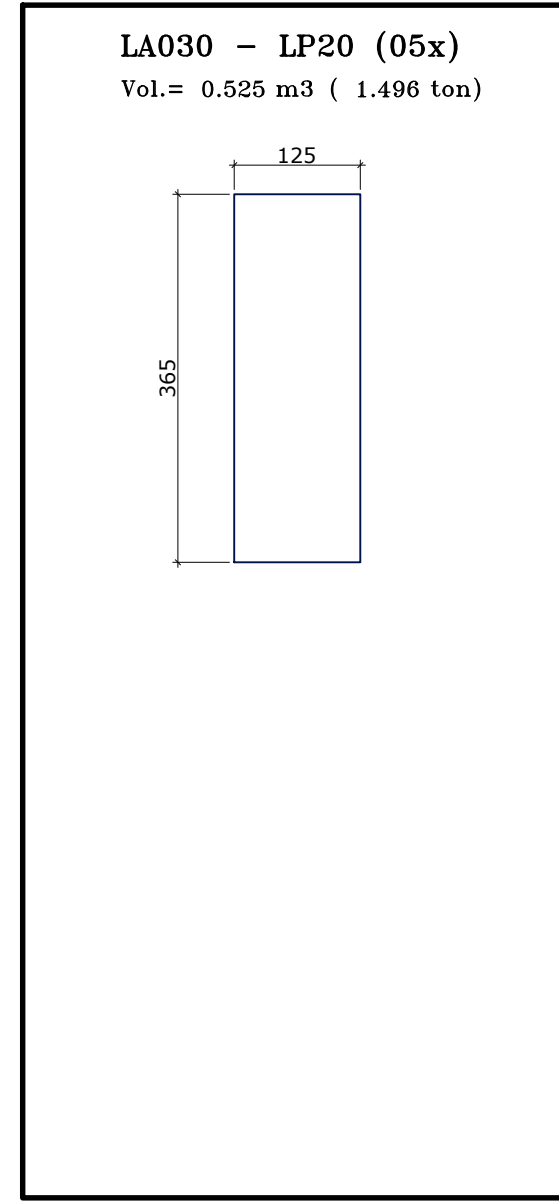
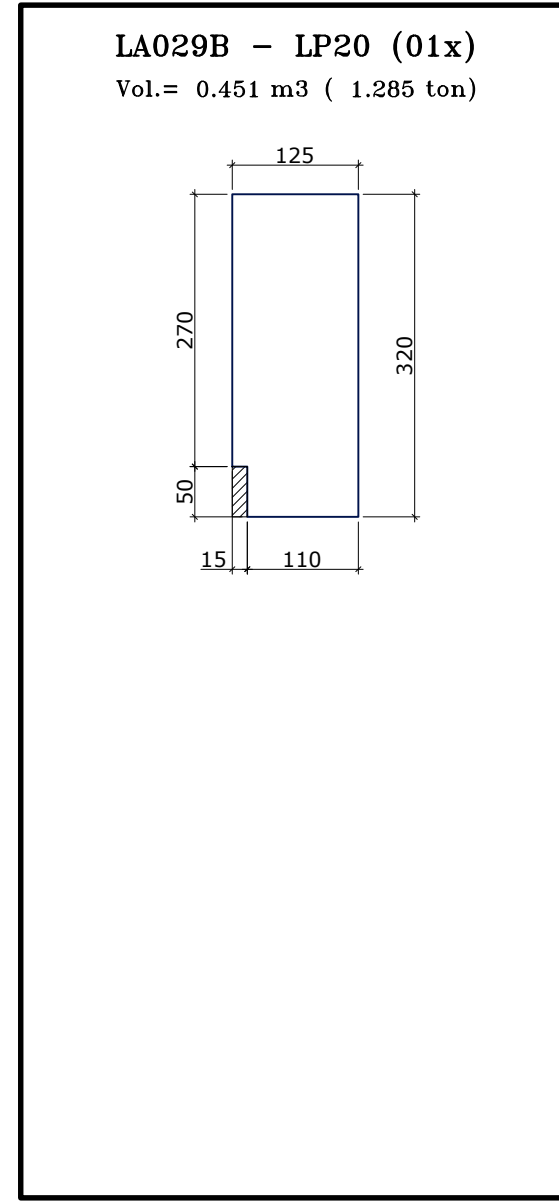
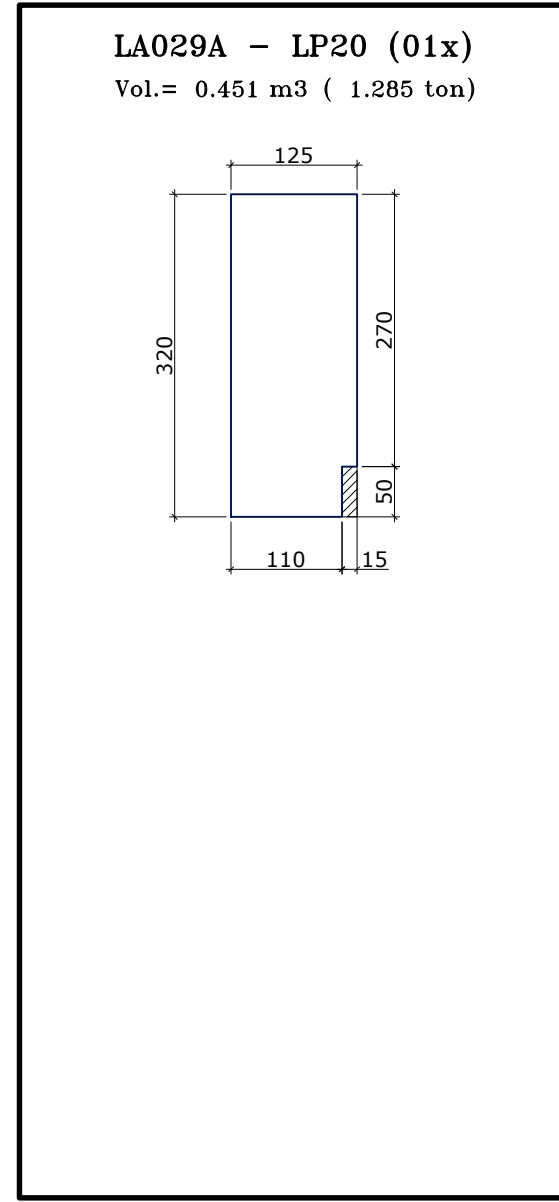
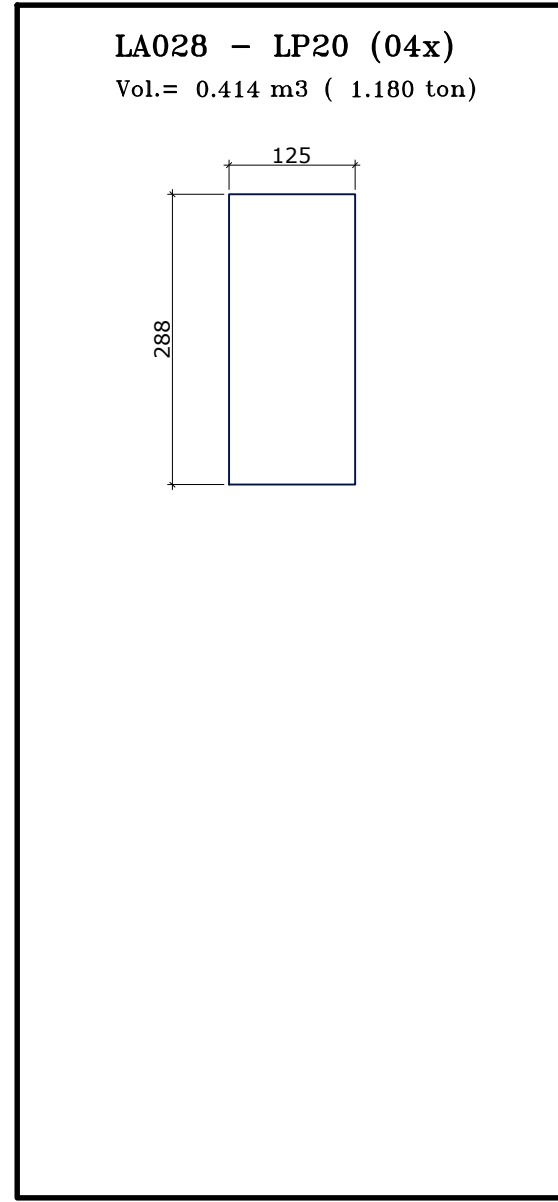
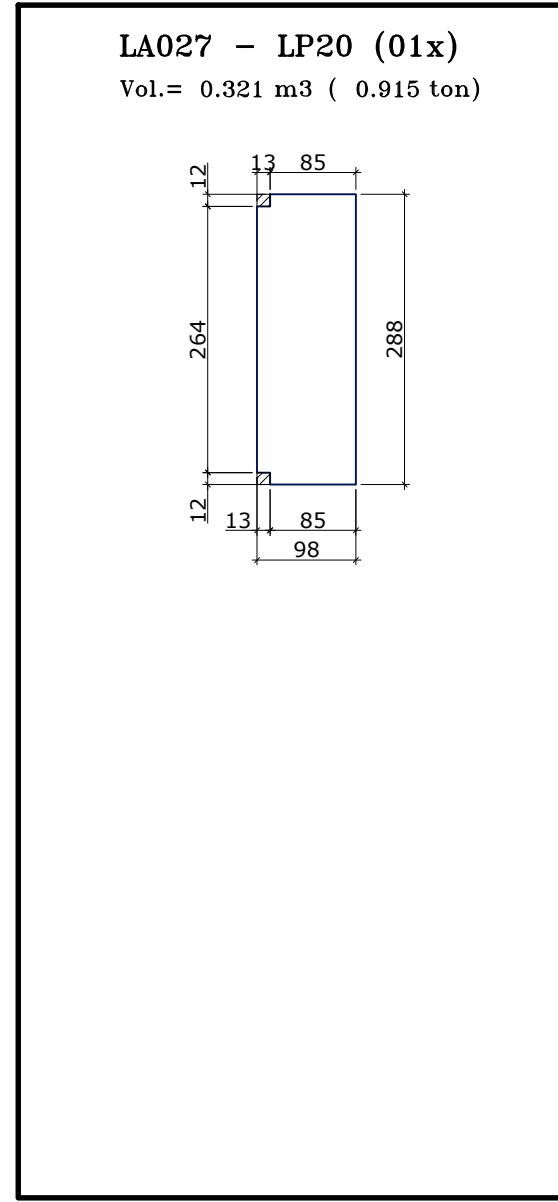
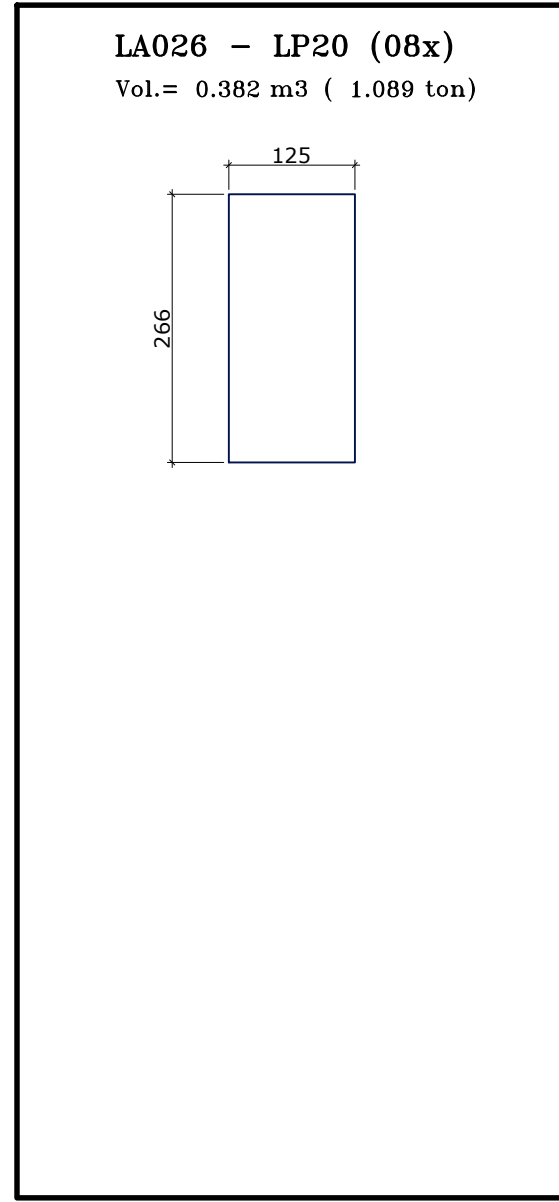
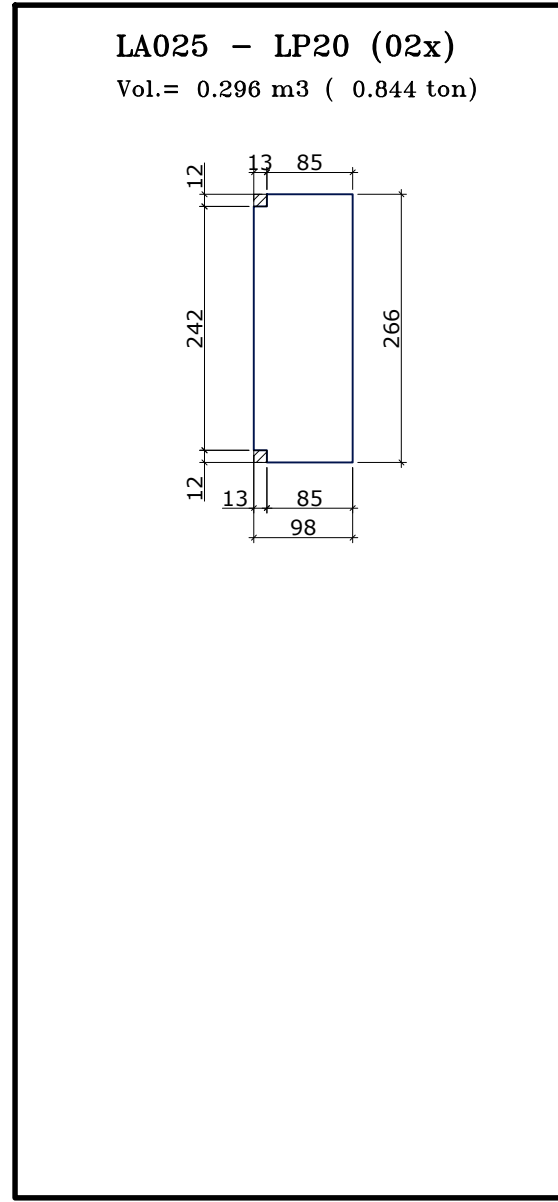
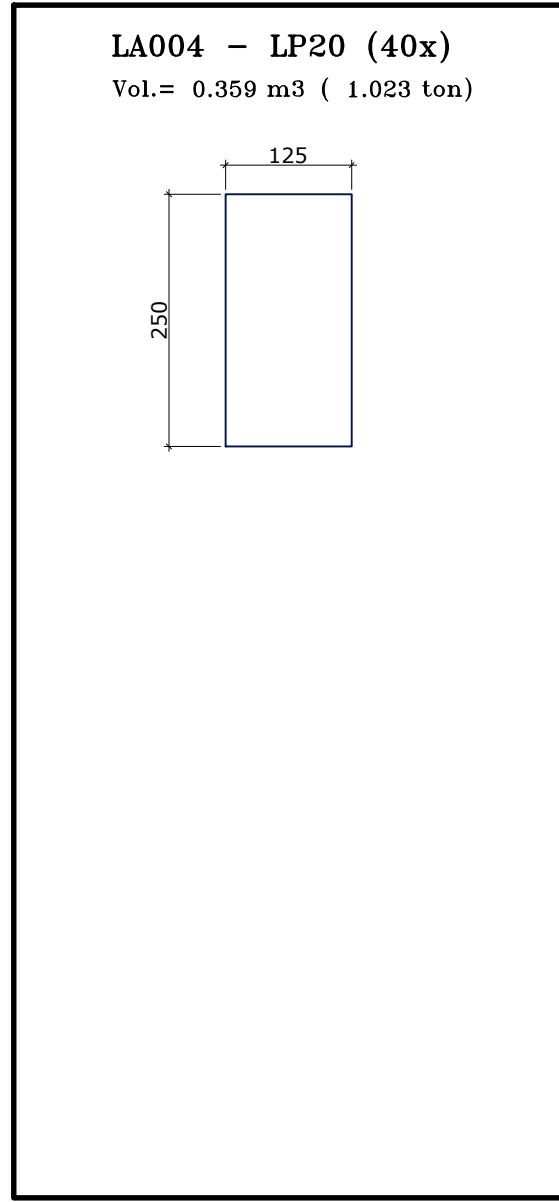
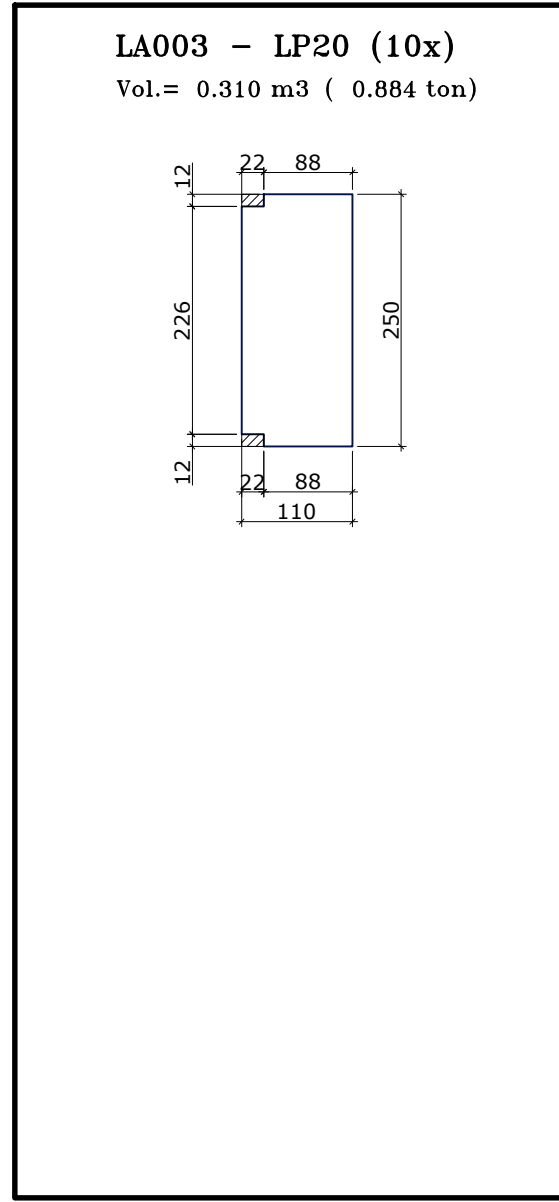
APROVAÇÕES

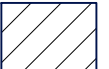


PROPRIETÁRIO CRISTIANA SOARES CARVALHO:89062671934 MUNICÍPIO DE JOINVILLE CPF: 01.18.8239901-12	Assinado de forma digital por CRISTIANA SOARES CARVALHO:89062671934 Data: 2023.05.12 14:46:21 -03'00'	RESPONSÁVEL TÉCNICO CHARLES JOSÉ REIS CPF: 01.18.8239901-12	Assinado de forma digital por CHARLES JOSÉ REIS CPF: 01.18.8239901-12
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PROPRIETÁRIO MUNICÍPIO DE JOINVILLE	ETAPA EXECUTIVO	FOLHA 175
EDIFICAÇÃO PARQUE LINEAR PORTO CACHOEIRA	E3001	
ENDEREÇO AV. JOSÉ VIEIRA E AV. HERMANN AUGUST ENTRE AS RUAS ITAÍÓPOLIS E MAX COLIN - SAGUAÇU E AMÉRICA LEPPER JOINVILLE-SC 89209-367		
PROJETO ESTRUTURAL		
CONTÊIDOR FORMA E ARMADURA DAS LAJES LA001, LA002, LA005A/B, LA006 & LA0024		
PROJECIOS: ENGENHARIA E ARQUITETURA LTDA CREA 088693-1 CAU 18198-6 CNPJ 09.549.705/0001-37 Rua Laura Müller, 853 Sala 02 - Foz de Iguaçu CEP 88301-403 - ITAÍVÁ/SC Fone: (47) 3349-9330 / 3348-5561 magnus@magnusengenharia.com.br		

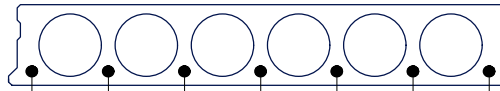


 **RETIRAR O CONCRETO**

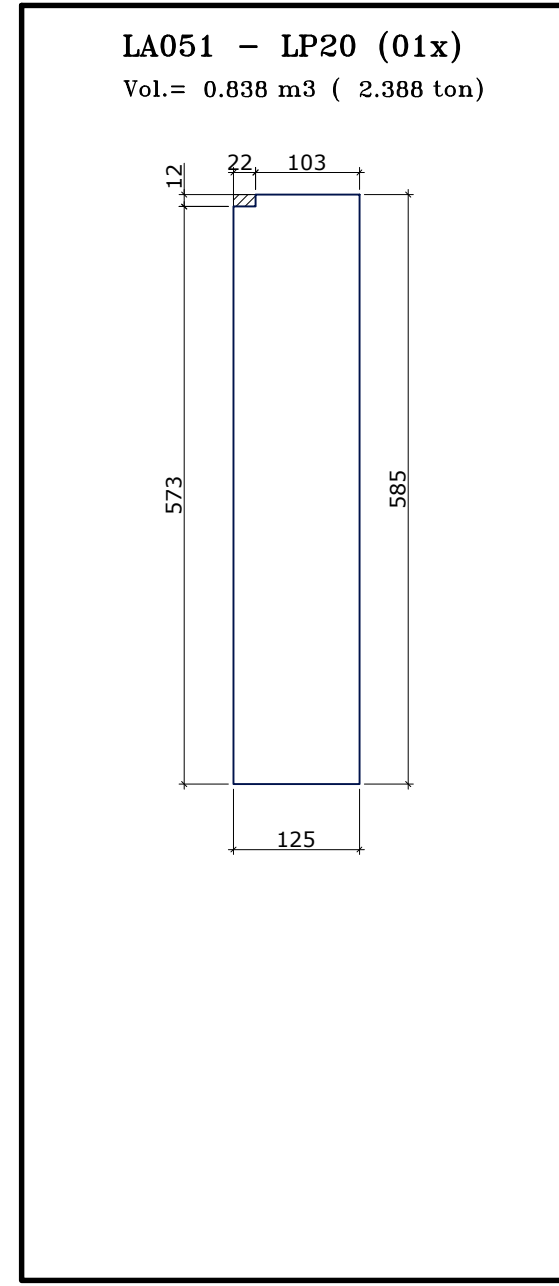
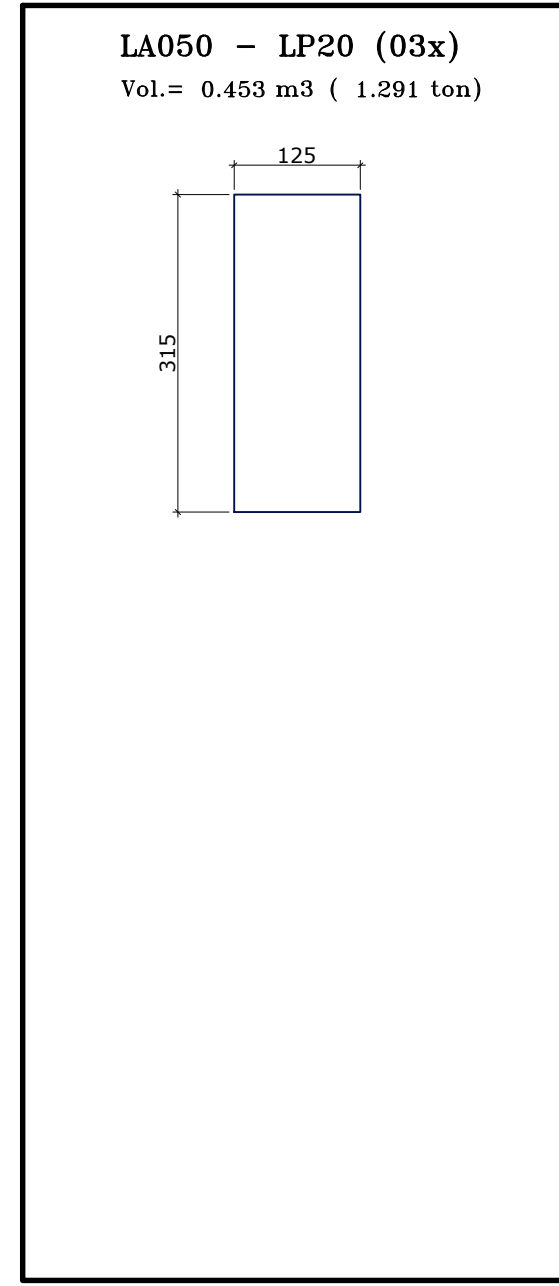
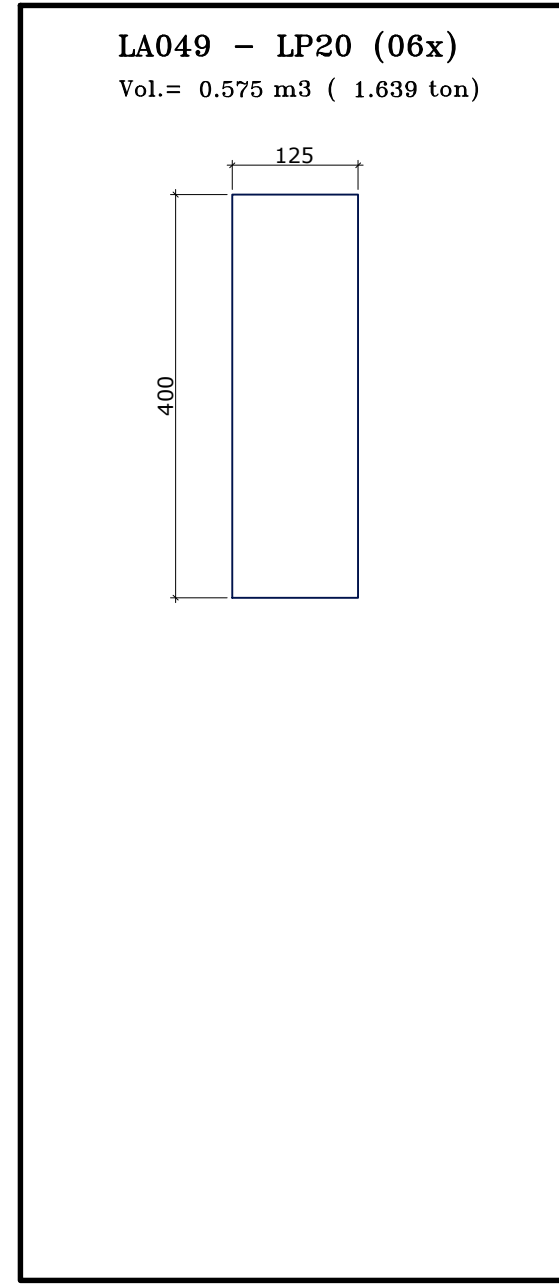
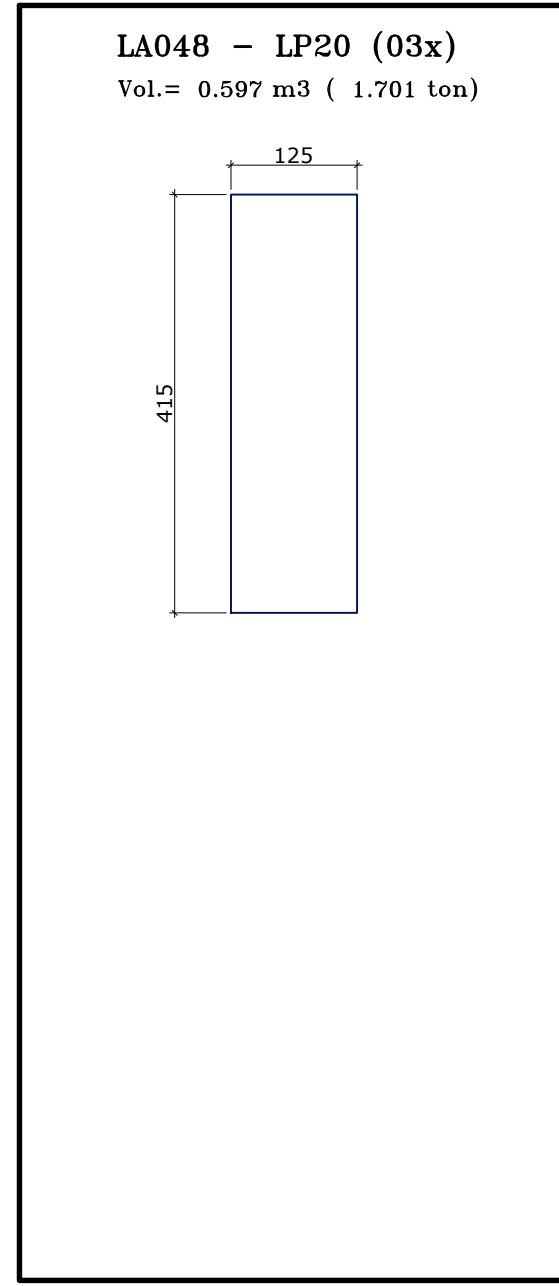
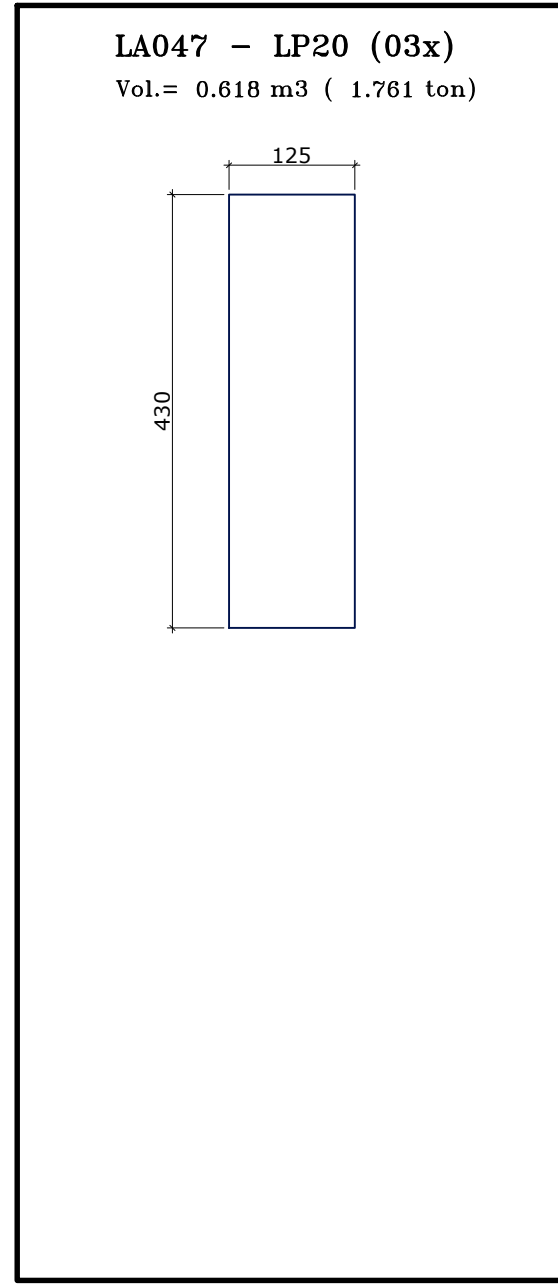
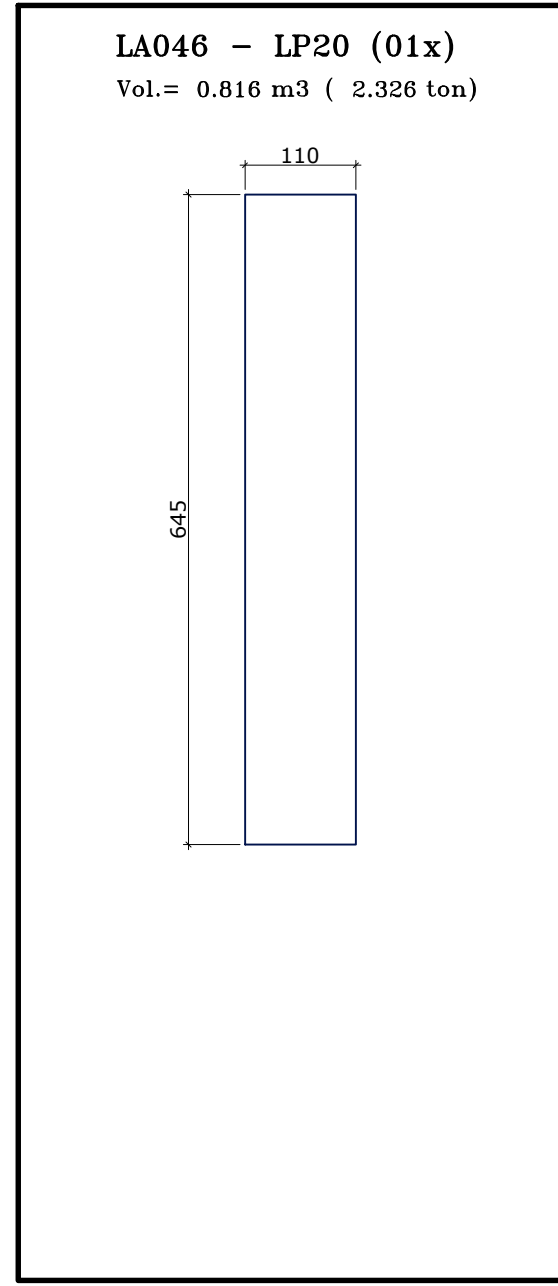
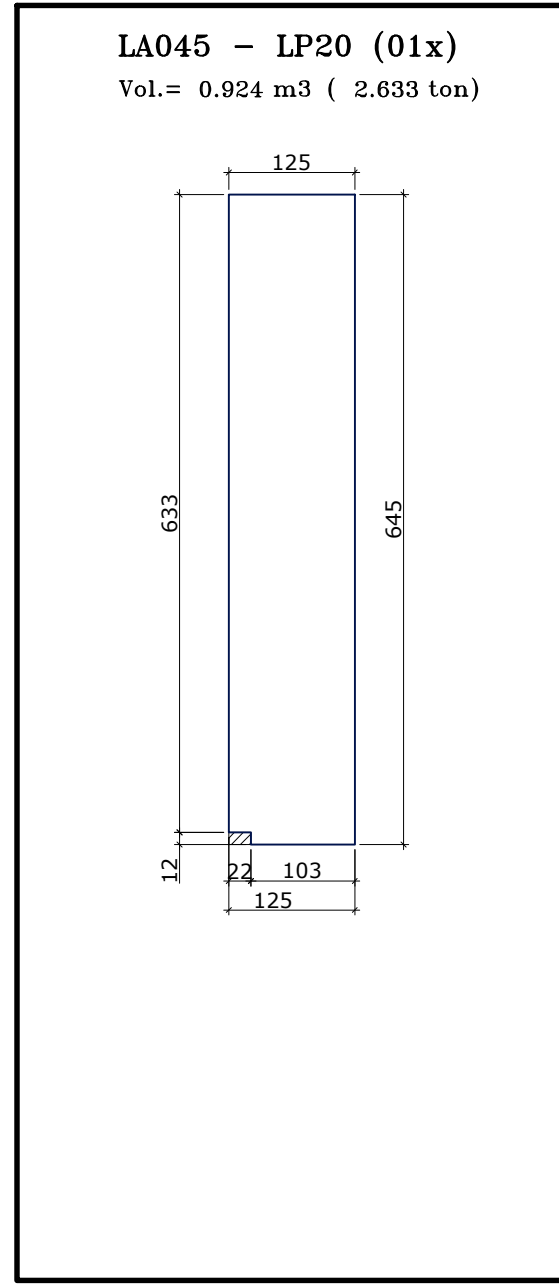
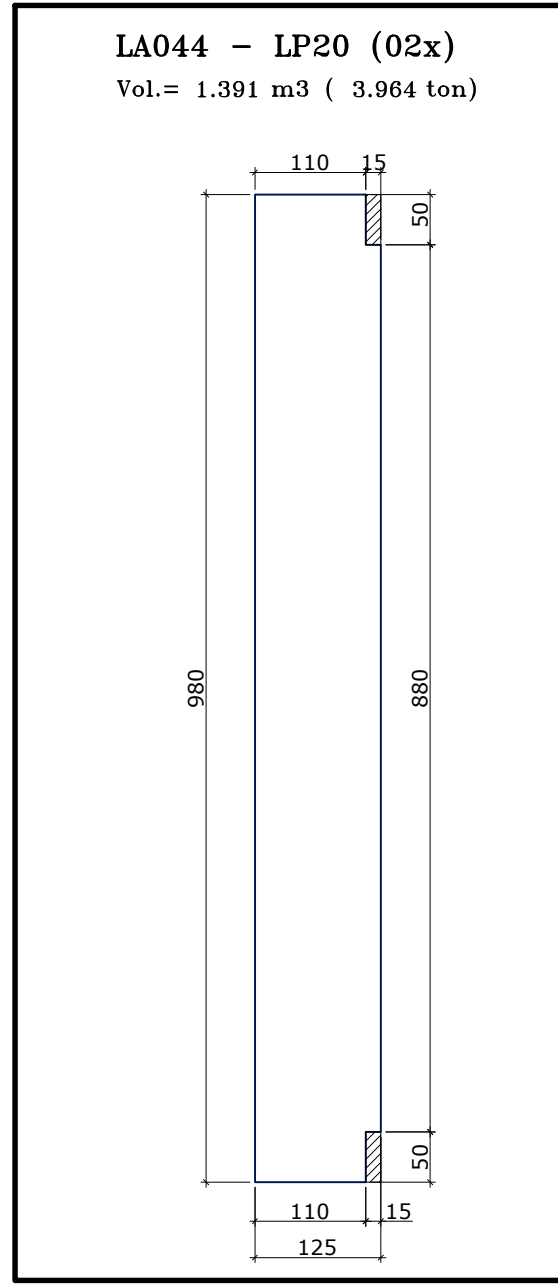
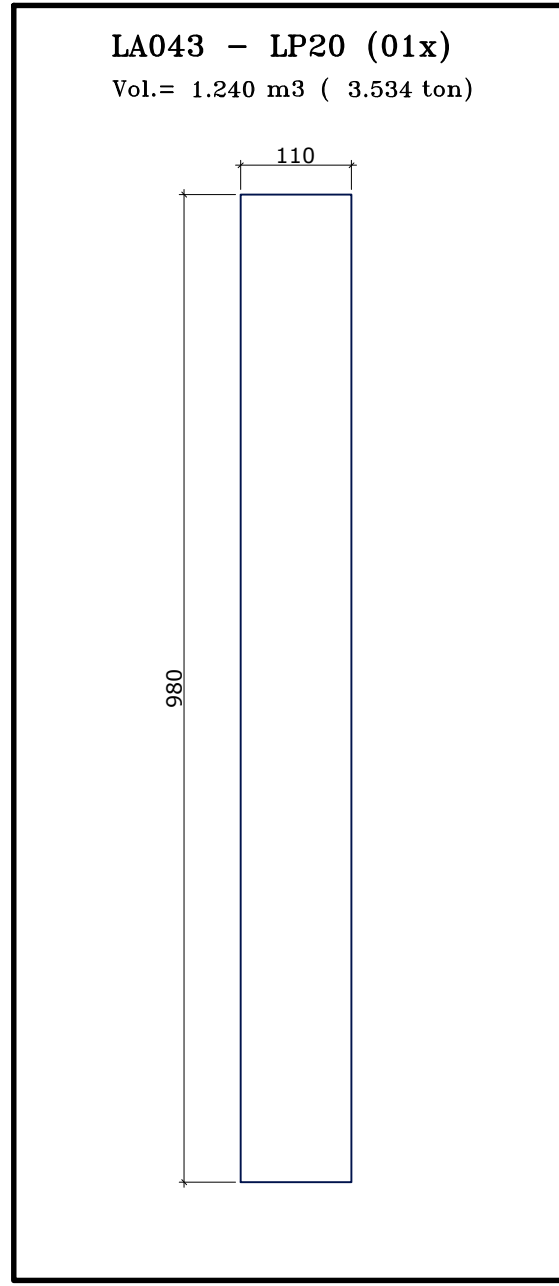
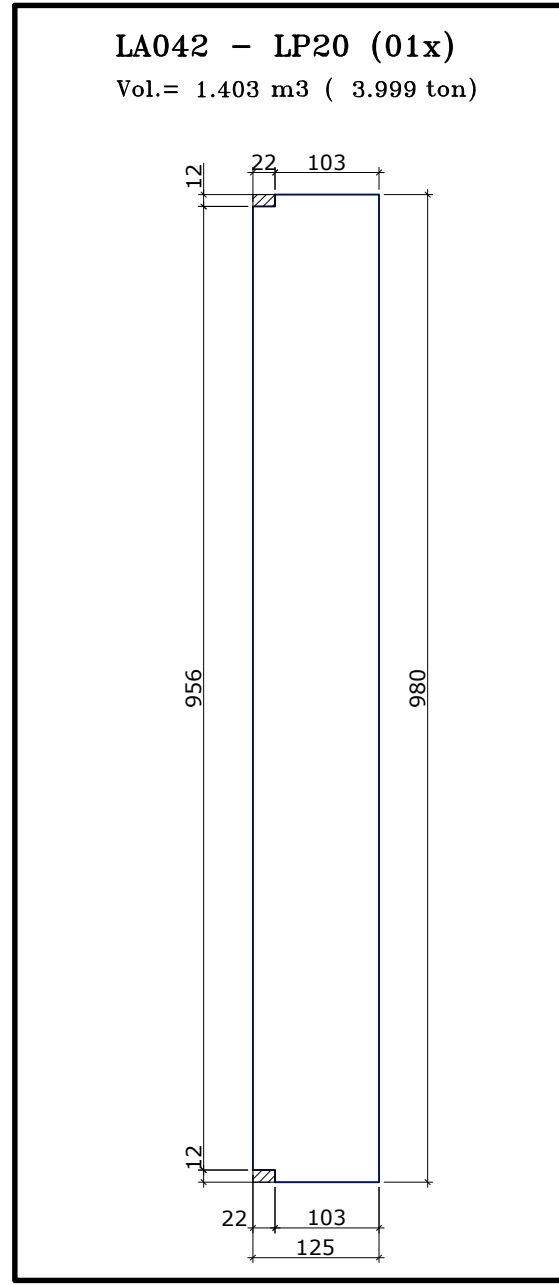
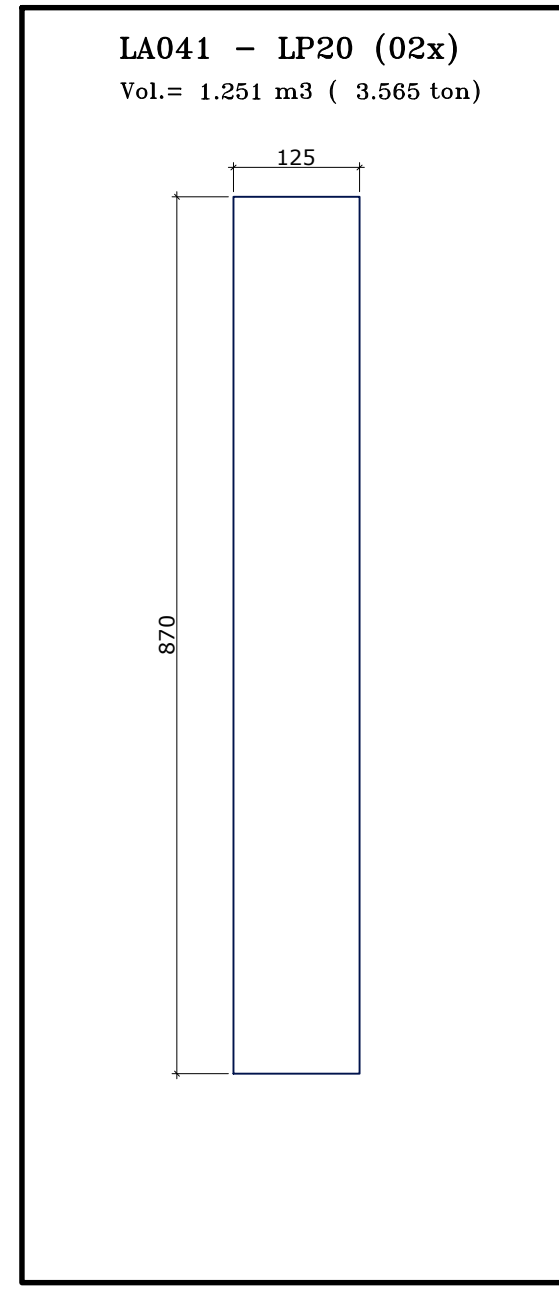
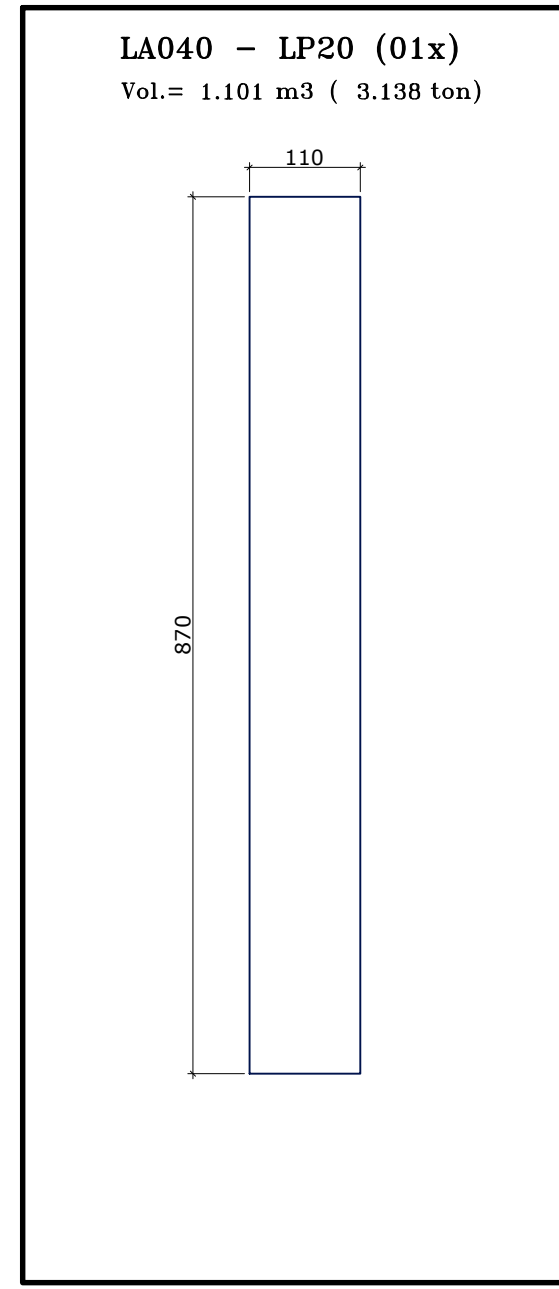
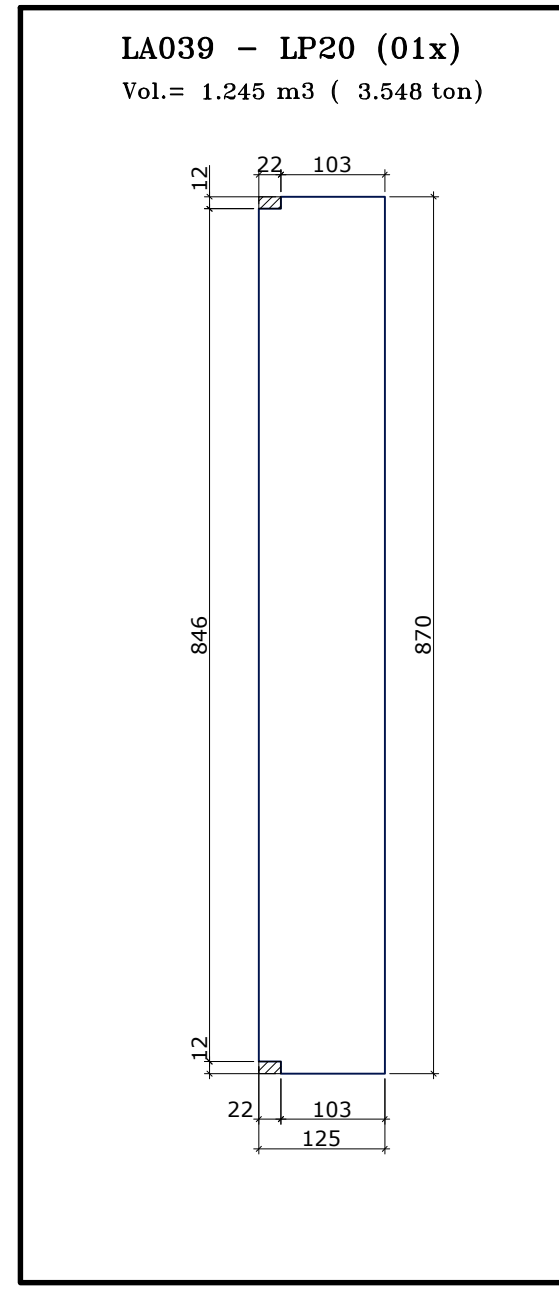
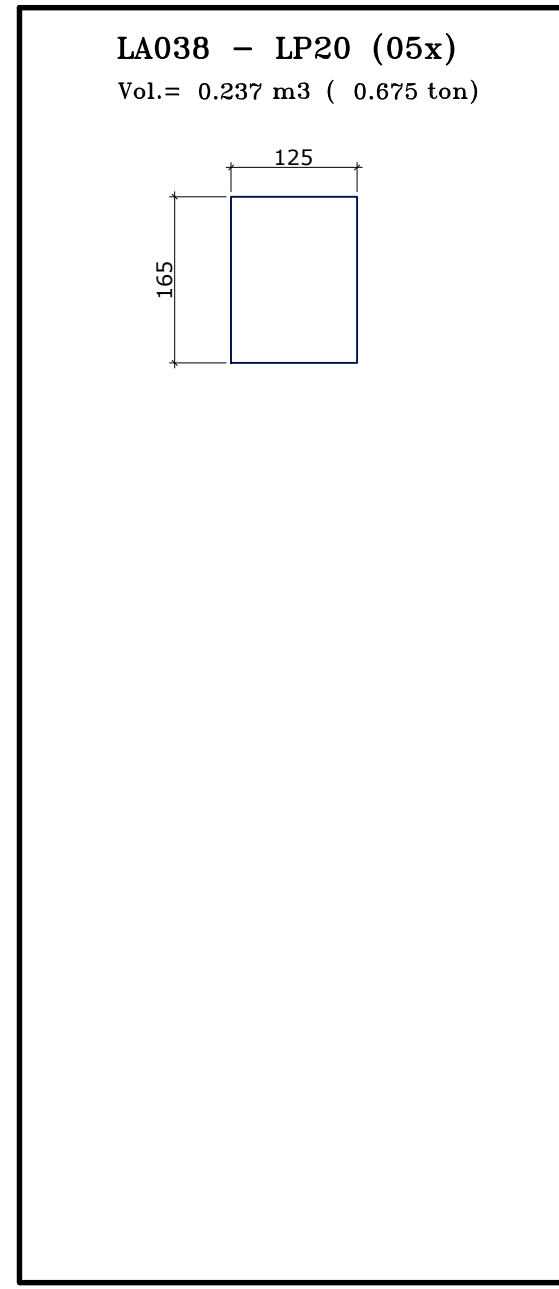
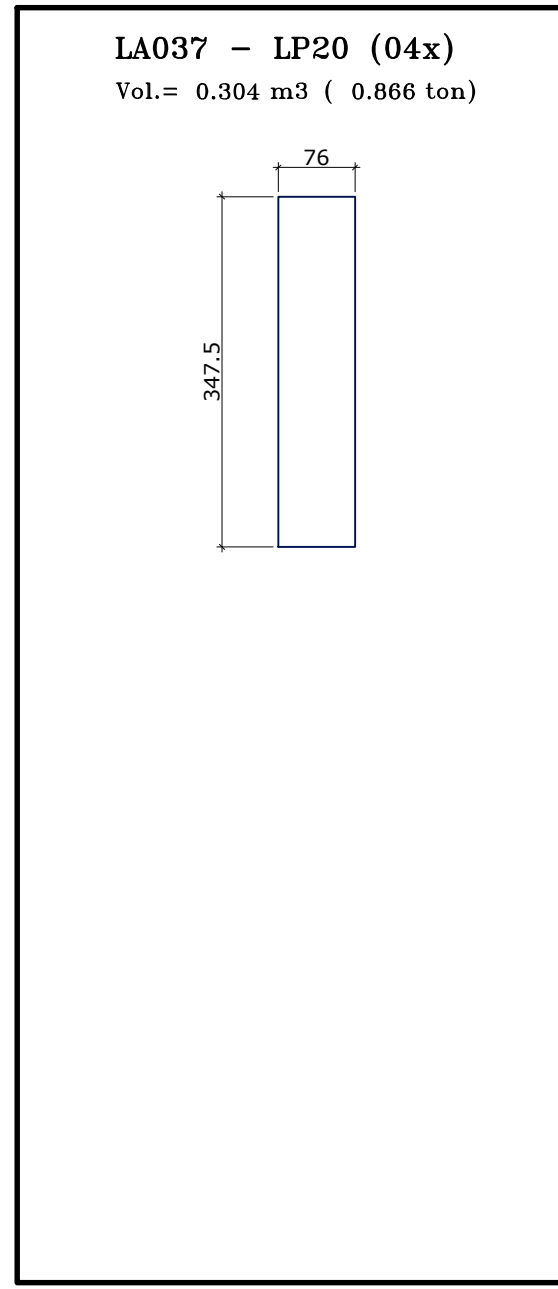
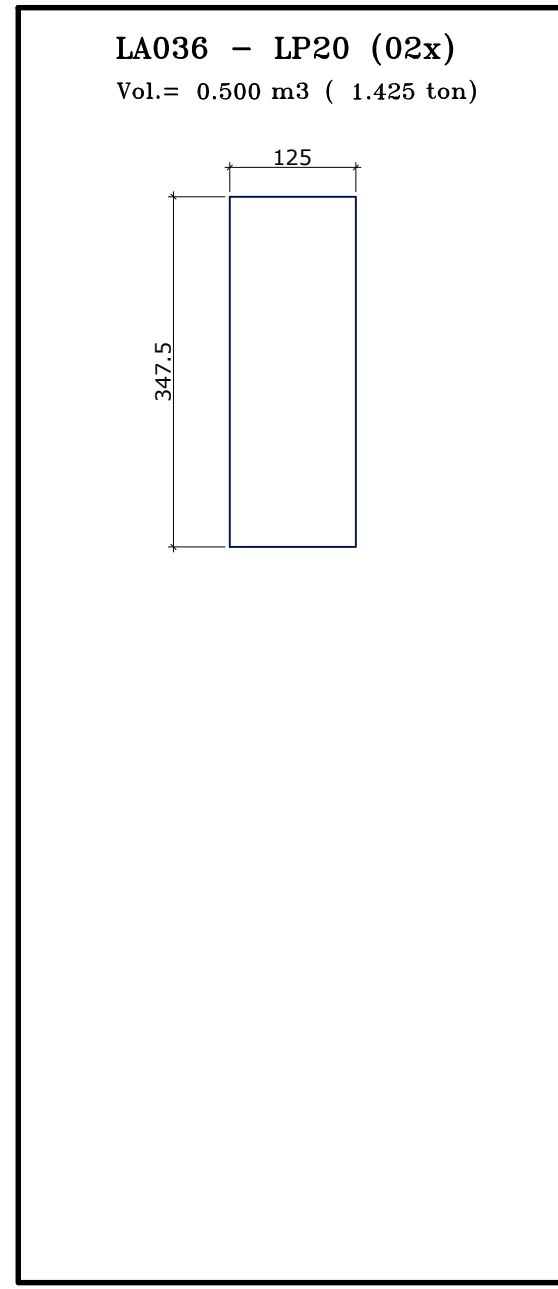
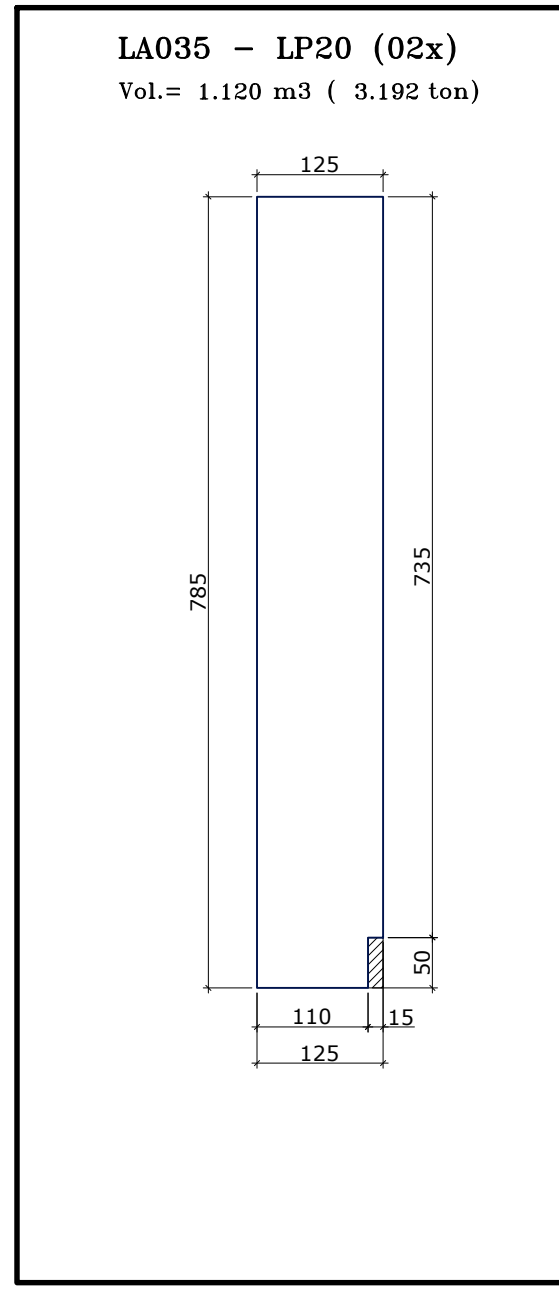
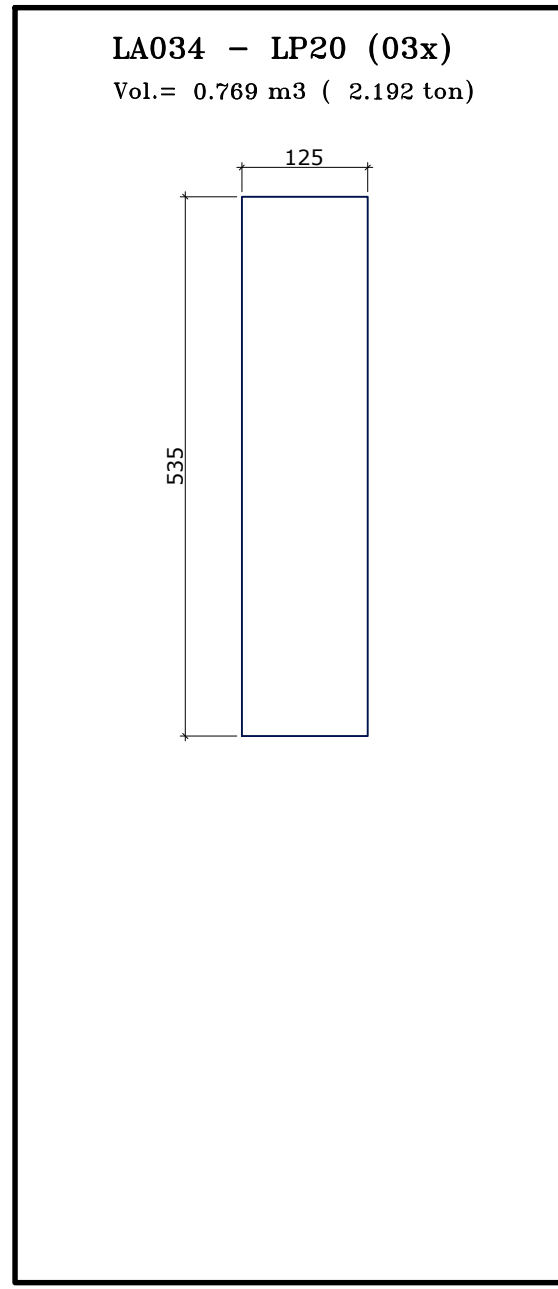
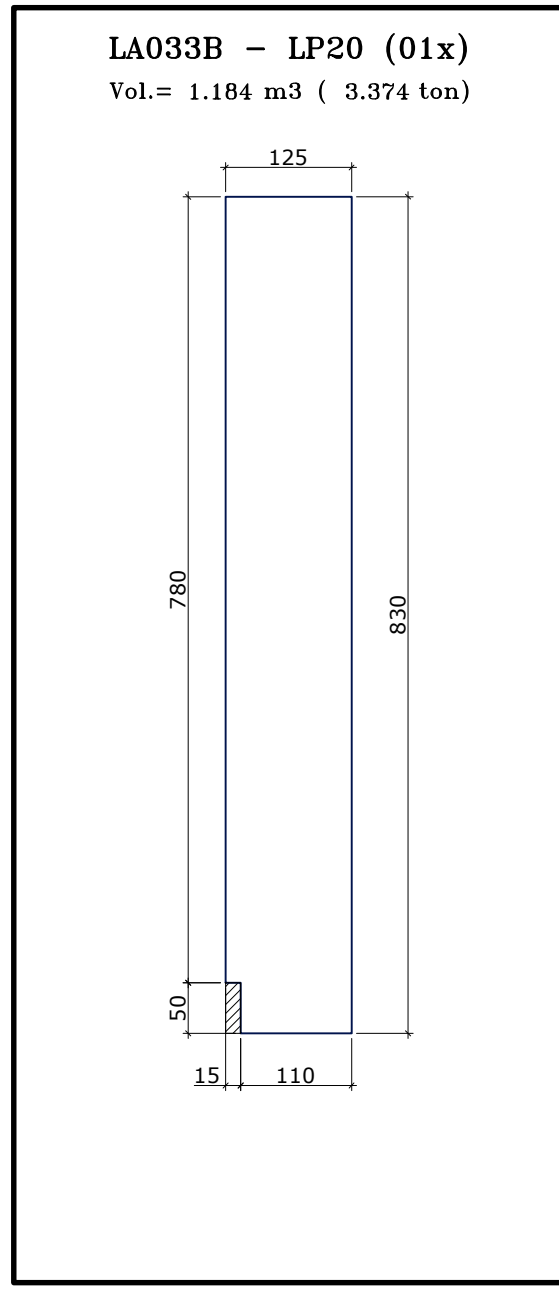
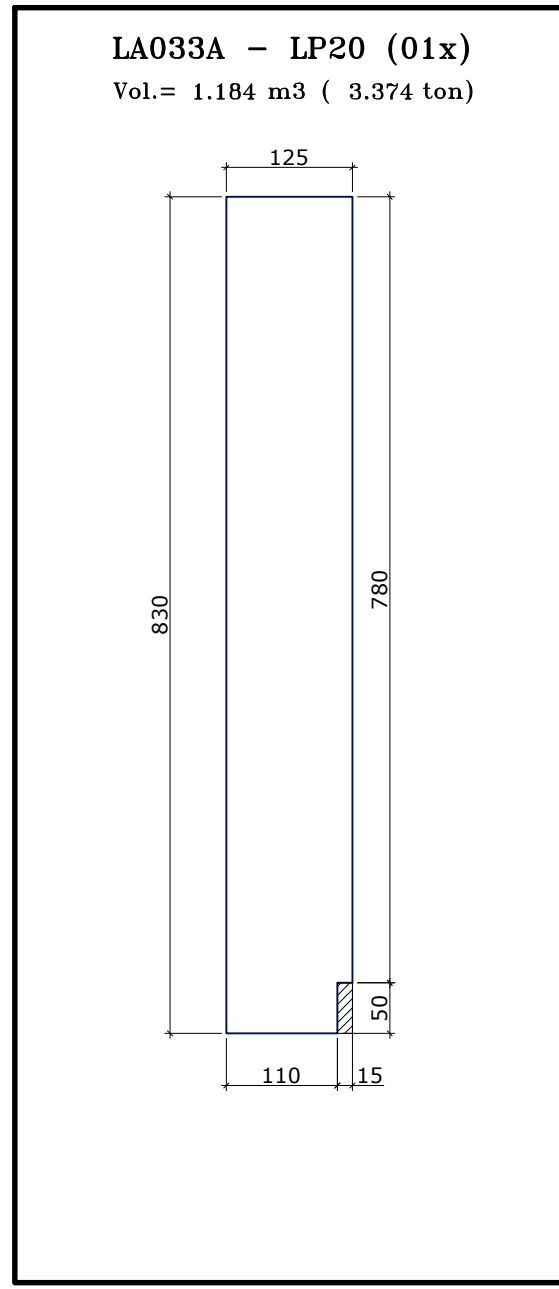
OBS.:
fck do concreto = 40MPa
fck de desprotensão = 21MPa
cobrimento mínimo da armadura = 2,5cm
fator a/c < 0,45
- Para liberação das peças para manuseio e transporte ver procedimento PS-QUA-001.
- Para pontos de apoio para armazenamento das peças no pátio e transporte ver procedimento PO-PRD-001.
- Para tolerâncias dimensionais dos elementos pré-fabricados, ver procedimento sistêmico PS-QUA-001.
- Na montagem das lajes com largura menor do que 125cm, as peças deverão ser içadas com cinta, corrente ou cabo de aço. Não deverá ser utilizada a garra.
- Arranhar a superfície da laje para aderência da capa.

TAMPAR ALVÉOLOS:
SIM ☒ NÃO ☐

ARMADURA PARA LAJES LP20
LA001 À LA007



7Ø12.7mm-CP190R8 (PROTENSÃO 75%)
CONTRA-FLECHA ESTIMADA: 21mm
CONTRA-FLECHA ADMISSÍVEL: 33mm



QUADRO DE REVISÕES		DATA	DESENHO
REVISÃO	DESCRIÇÃO		
000	EMISSÃO INICIAL	07/03/23	SS/UL
001	ALISTES GERAIS	07/03/23	END

PROPRIETÁRIO	RESPONSÁVEL TÉCNICO
CRISTIANA SOARES CARVALHO:89062671934 MUNICÍPIO DE JOINVILLE CPF: 81.183.823/0001-12	CHARLES JOSÉ REIS HÍPOLITO CPF: 81.183.823/0001-12

PROPRIETÁRIO	RESPONSÁVEL TÉCNICO
MUNICÍPIO DE JOINVILLE	CHARLES JOSÉ REIS HÍPOLITO

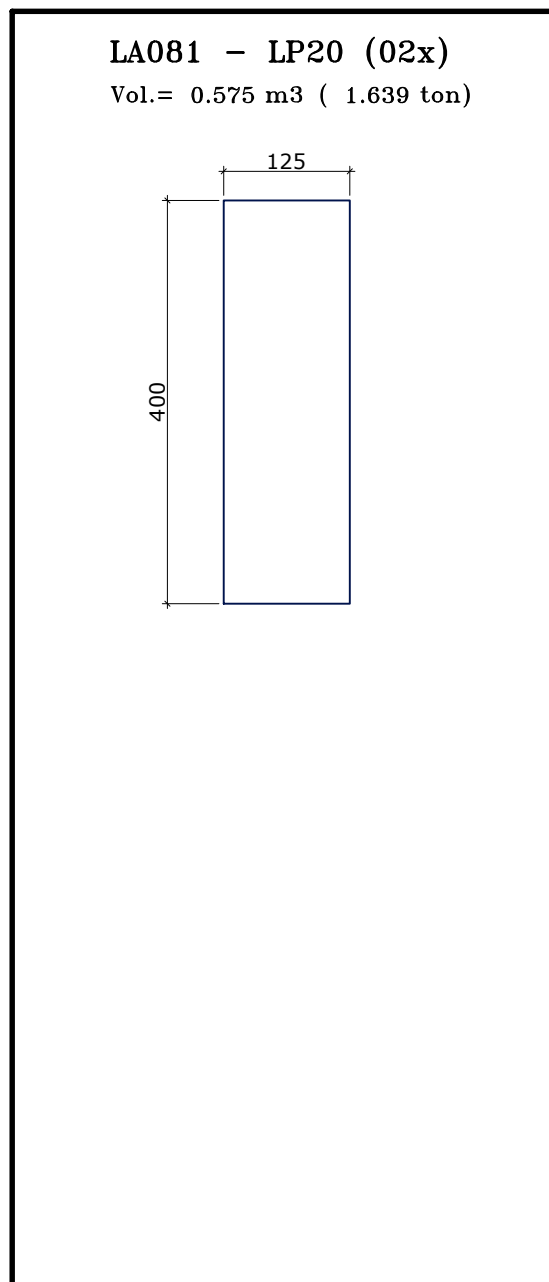
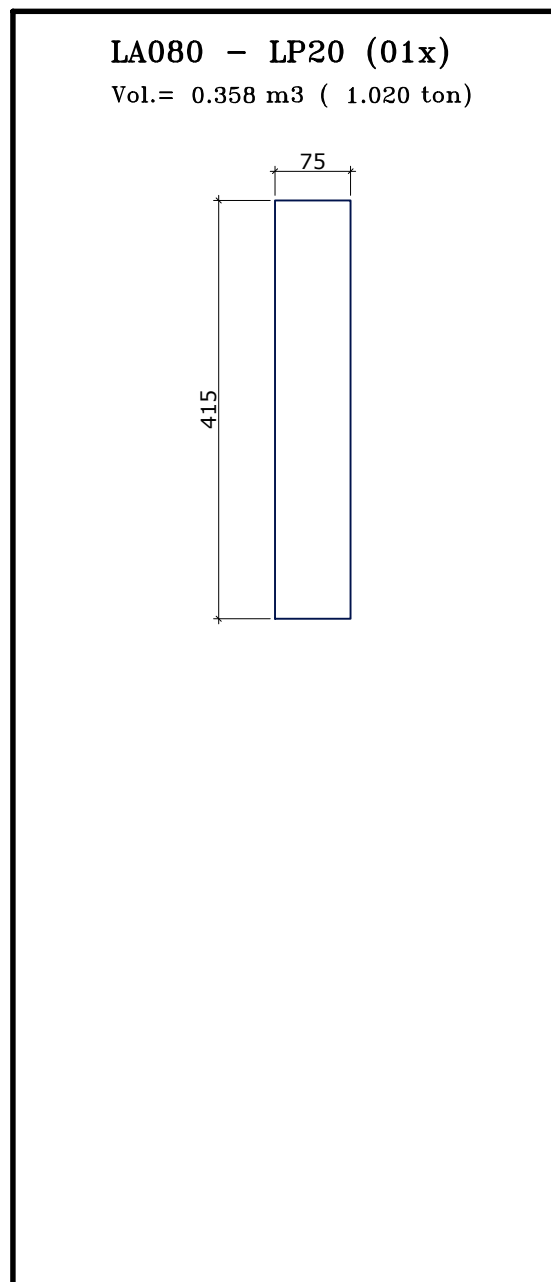
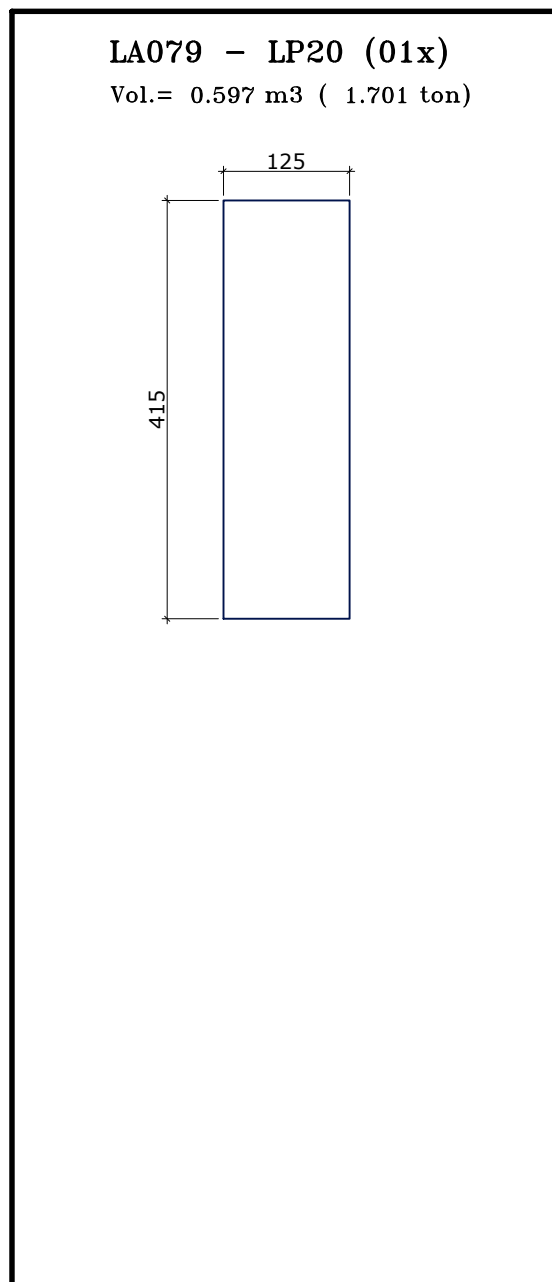
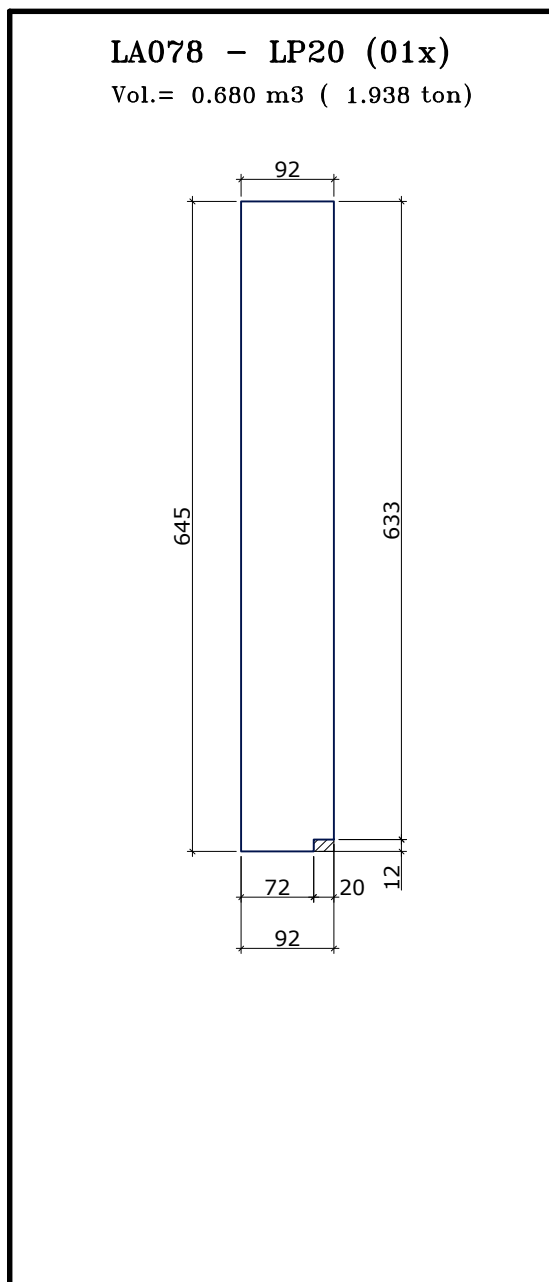
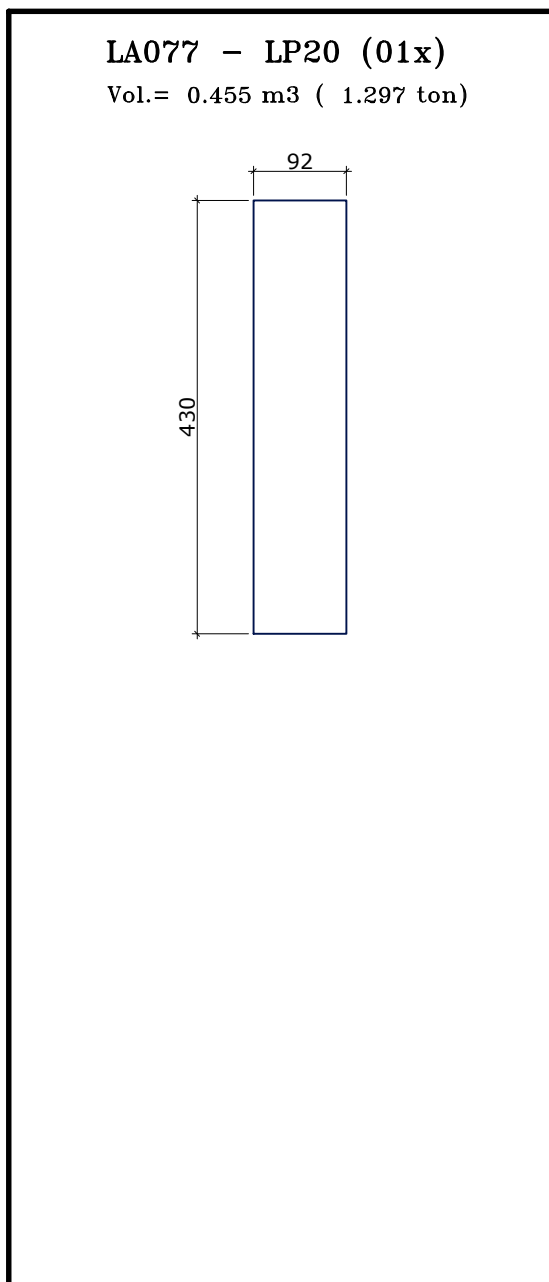
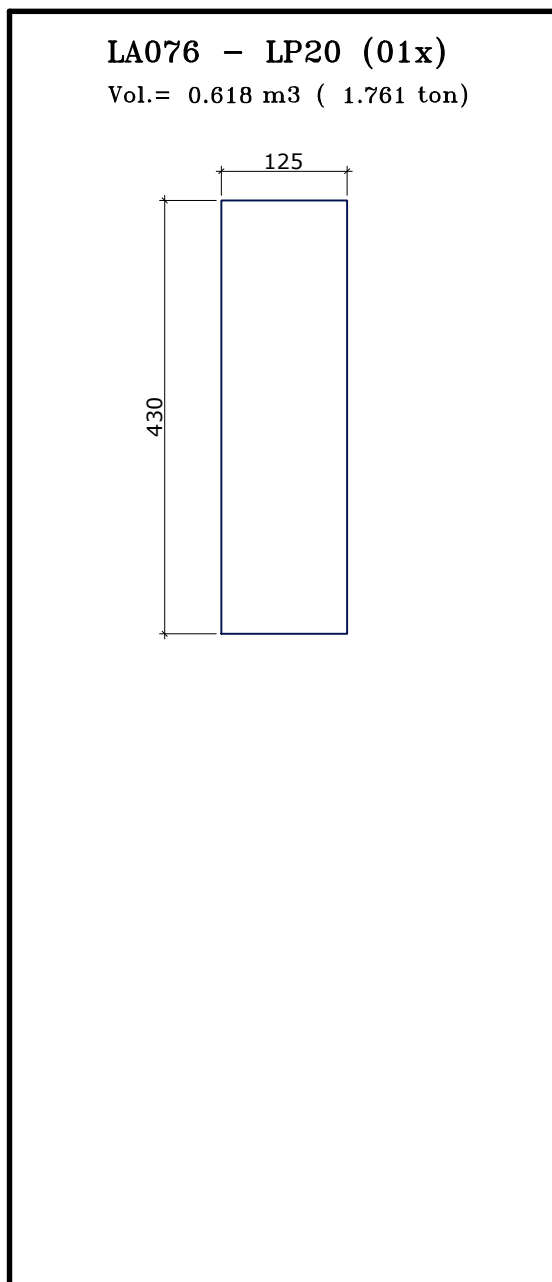
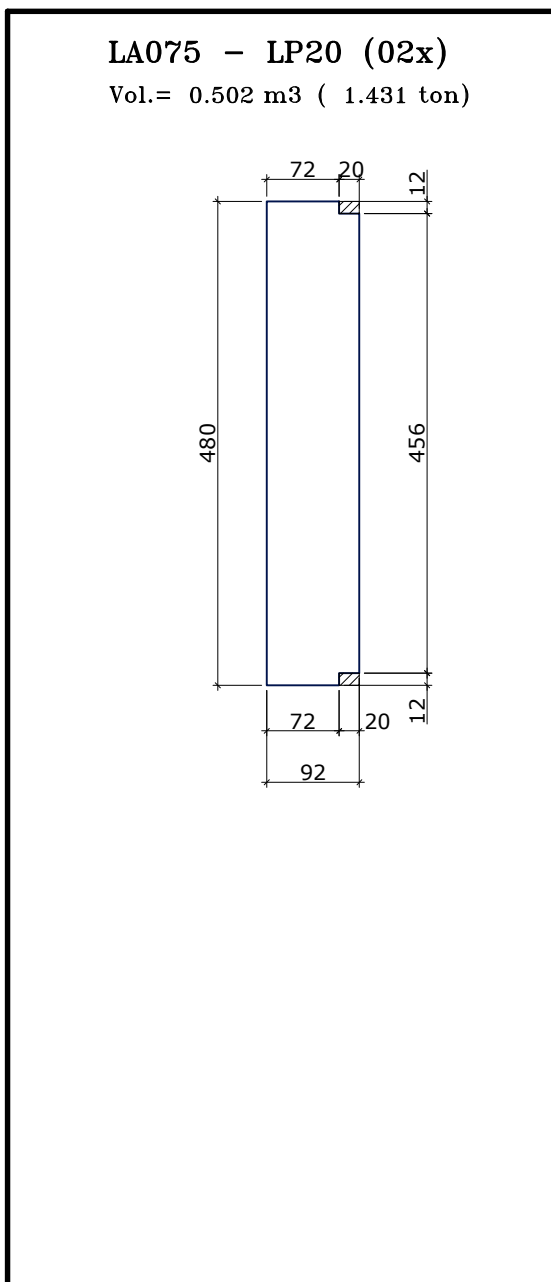
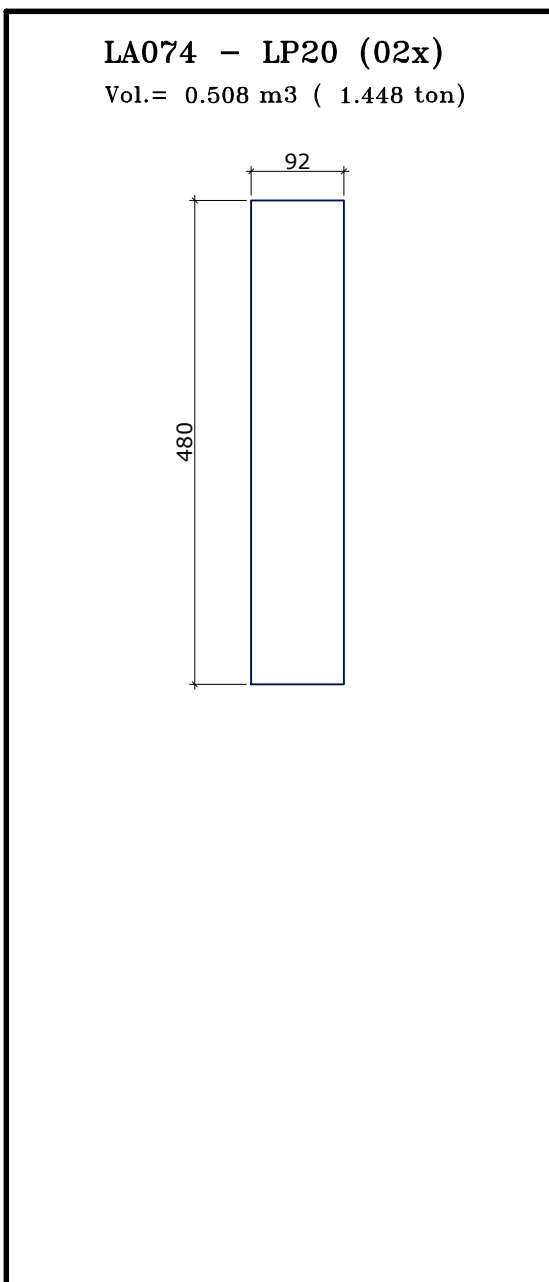
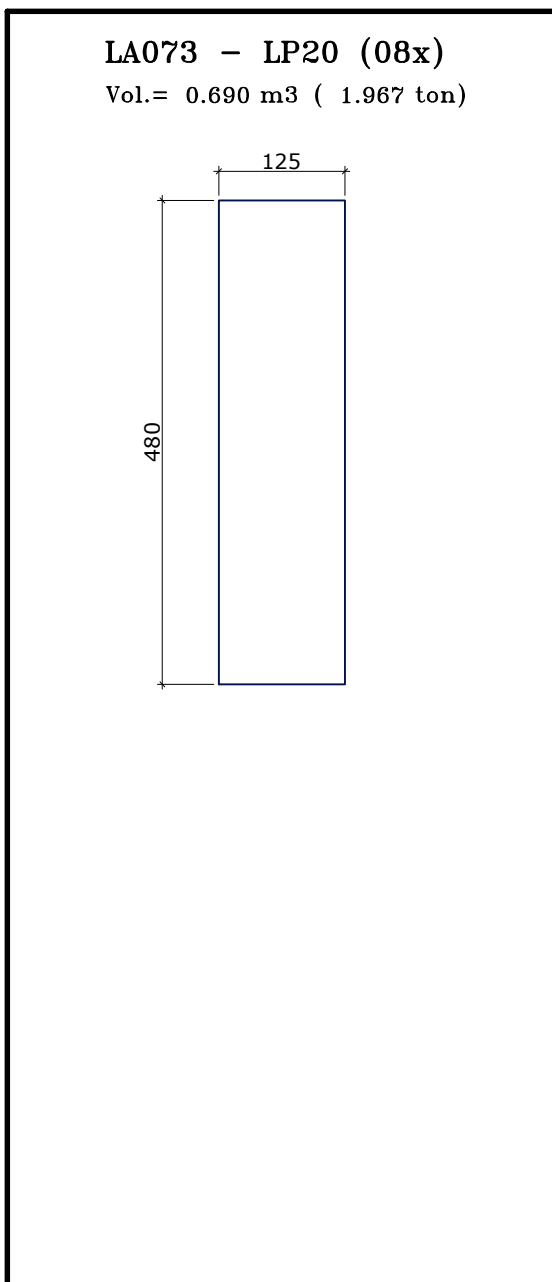
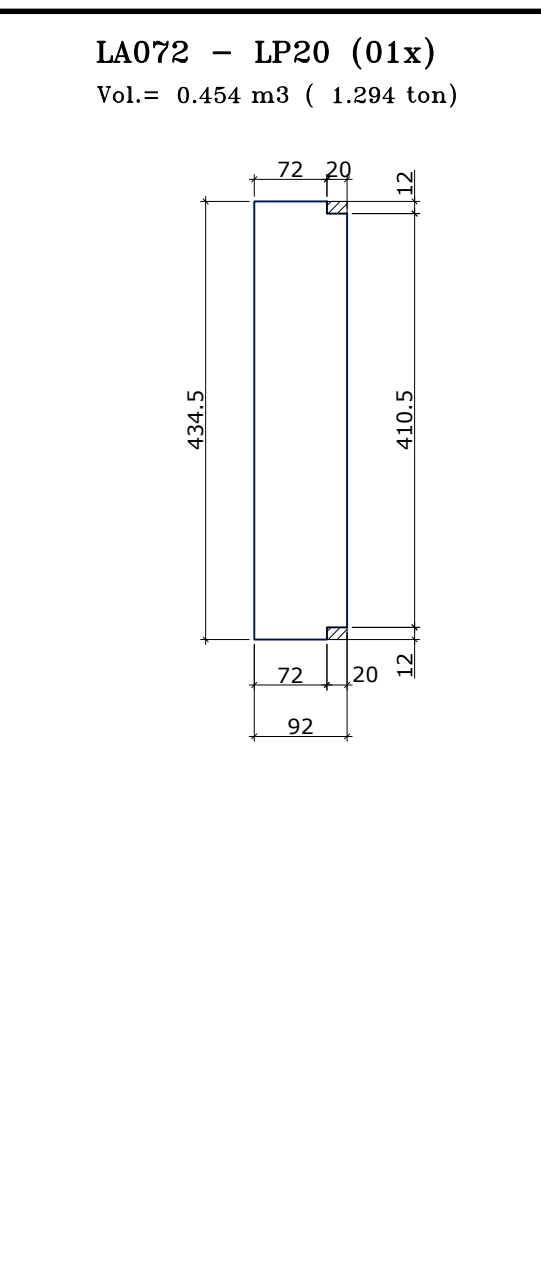
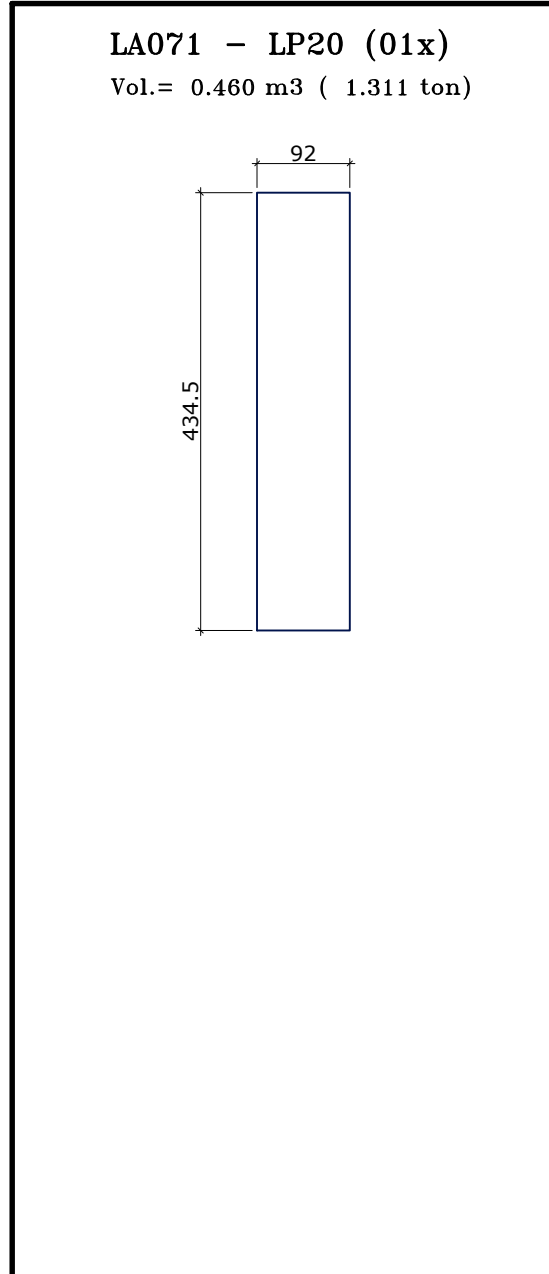
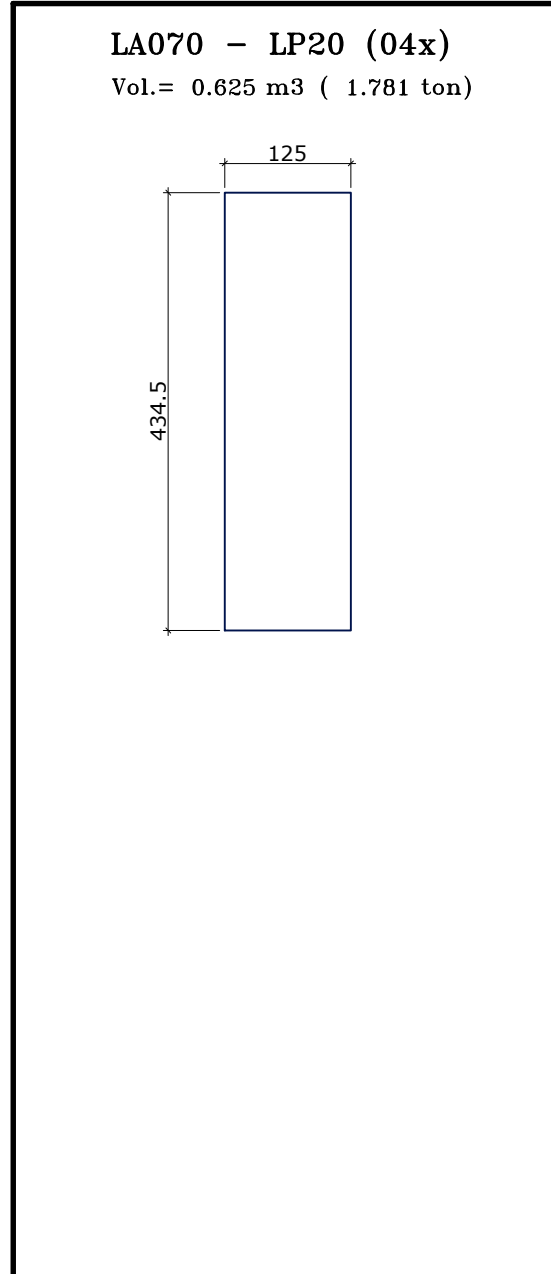
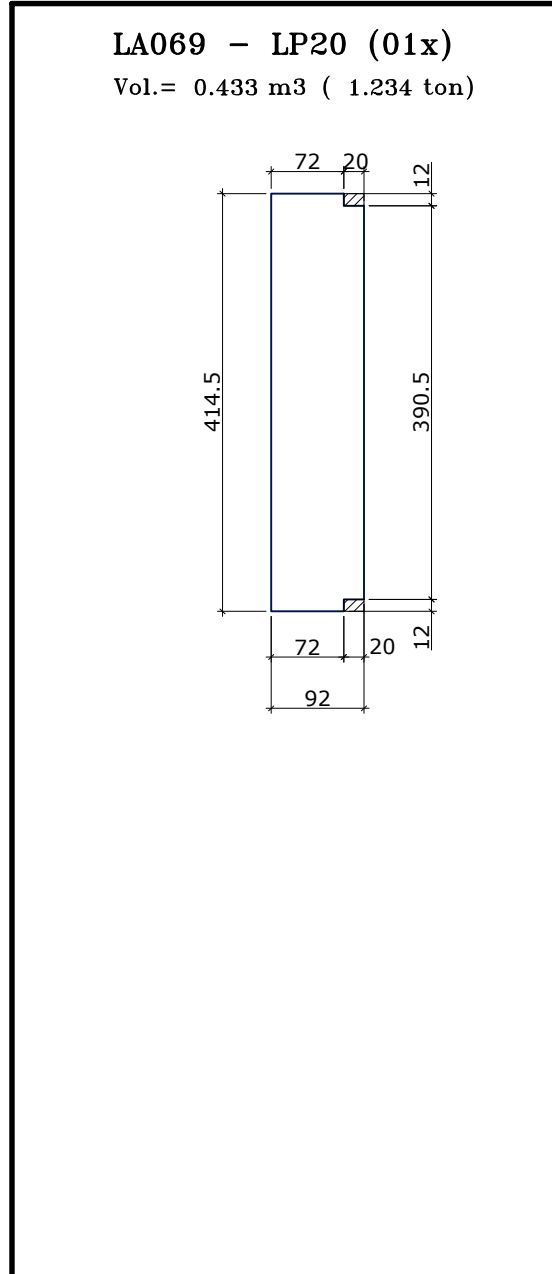
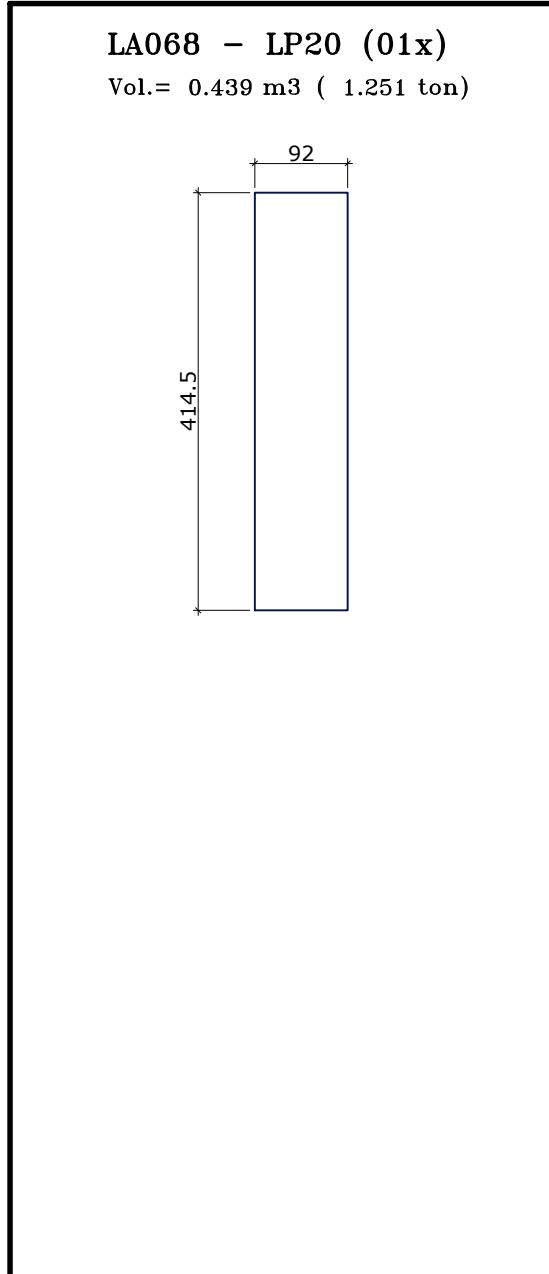
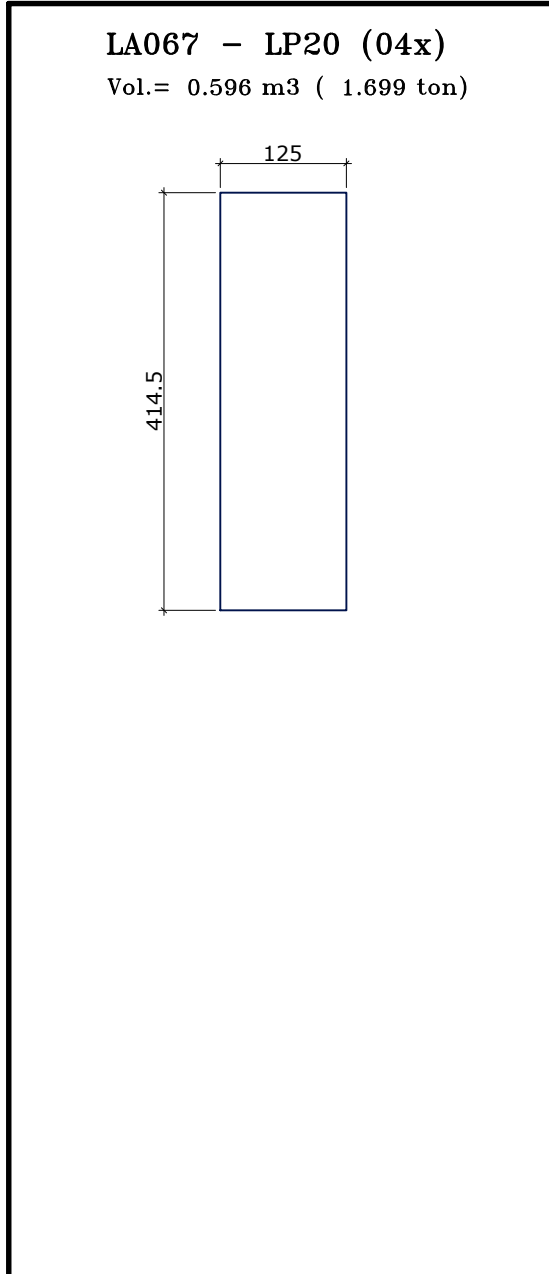
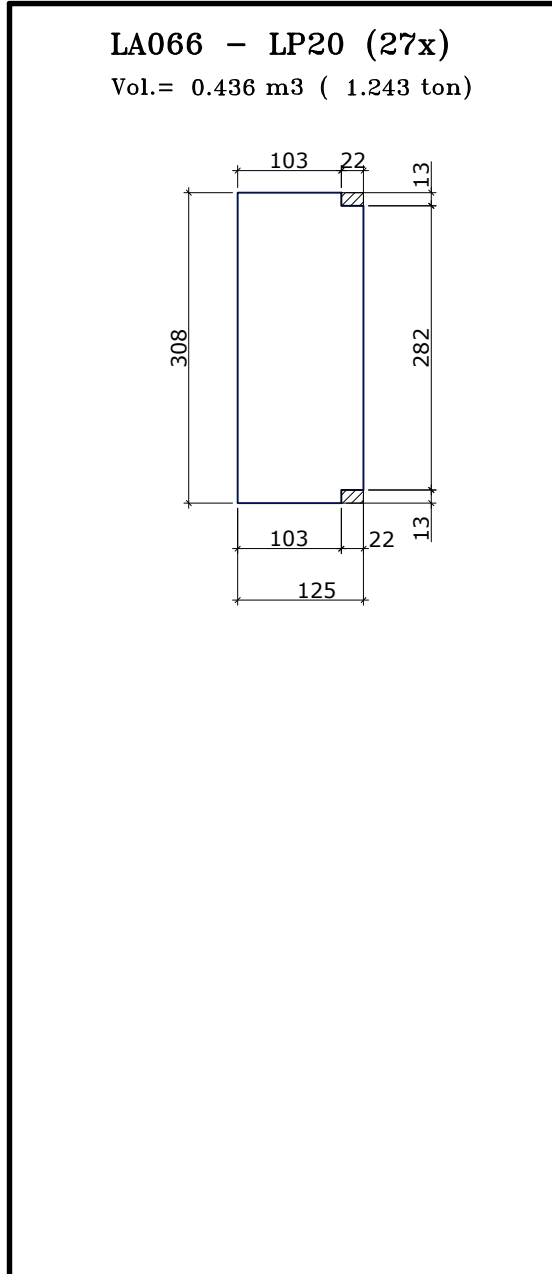
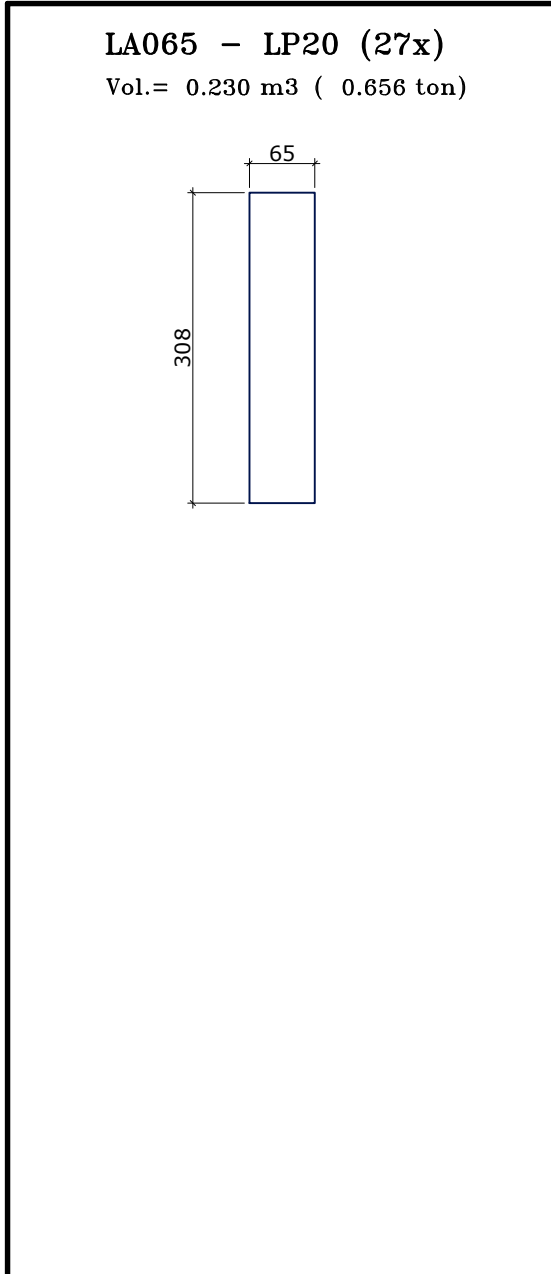
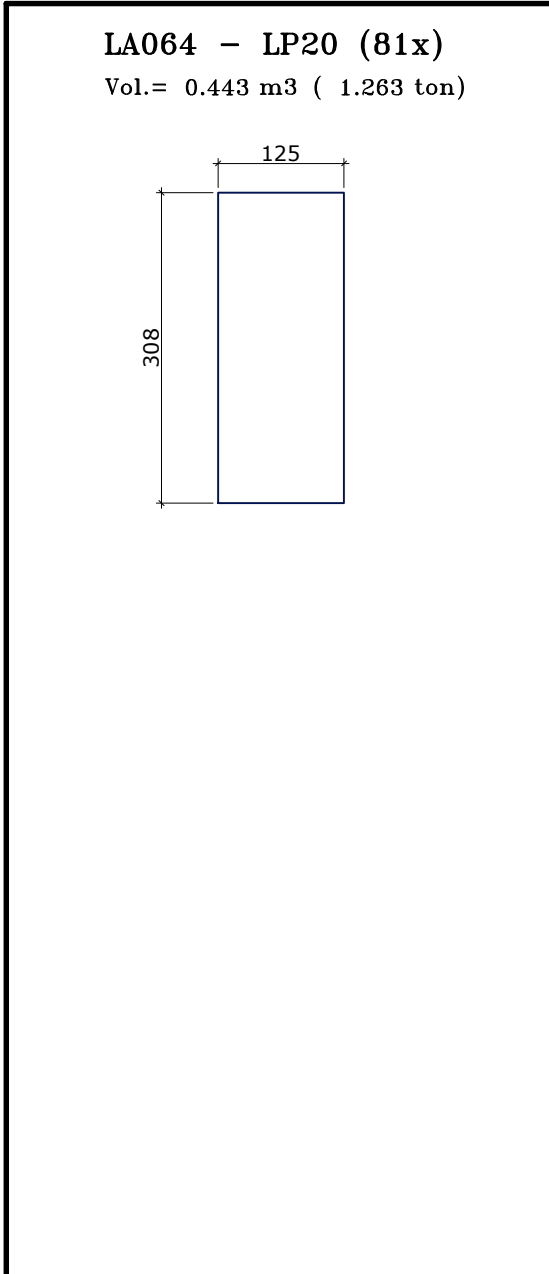
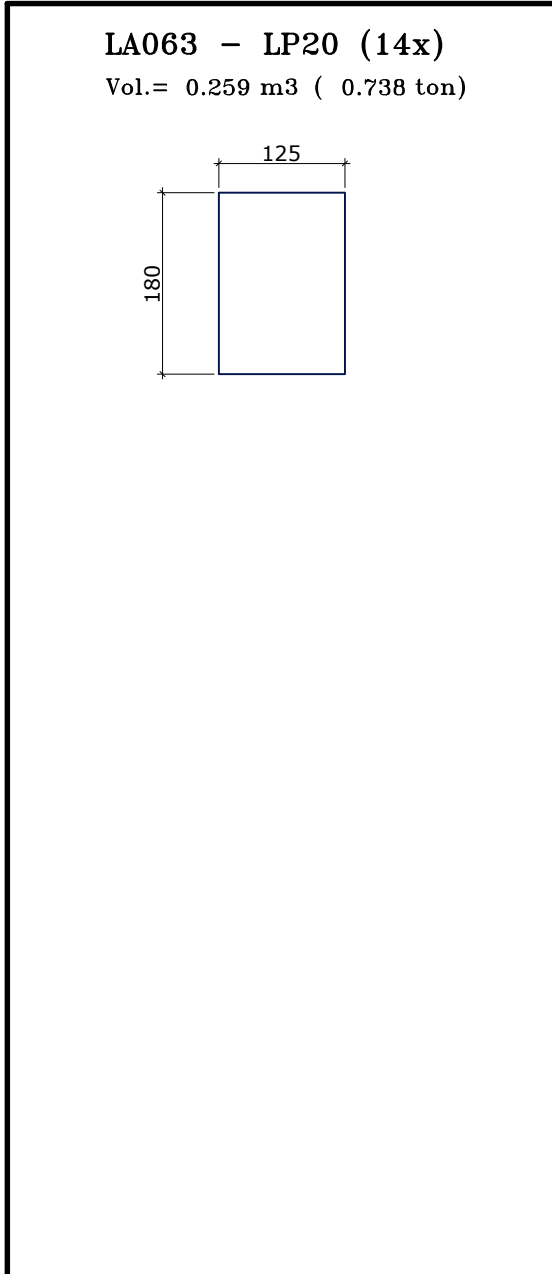
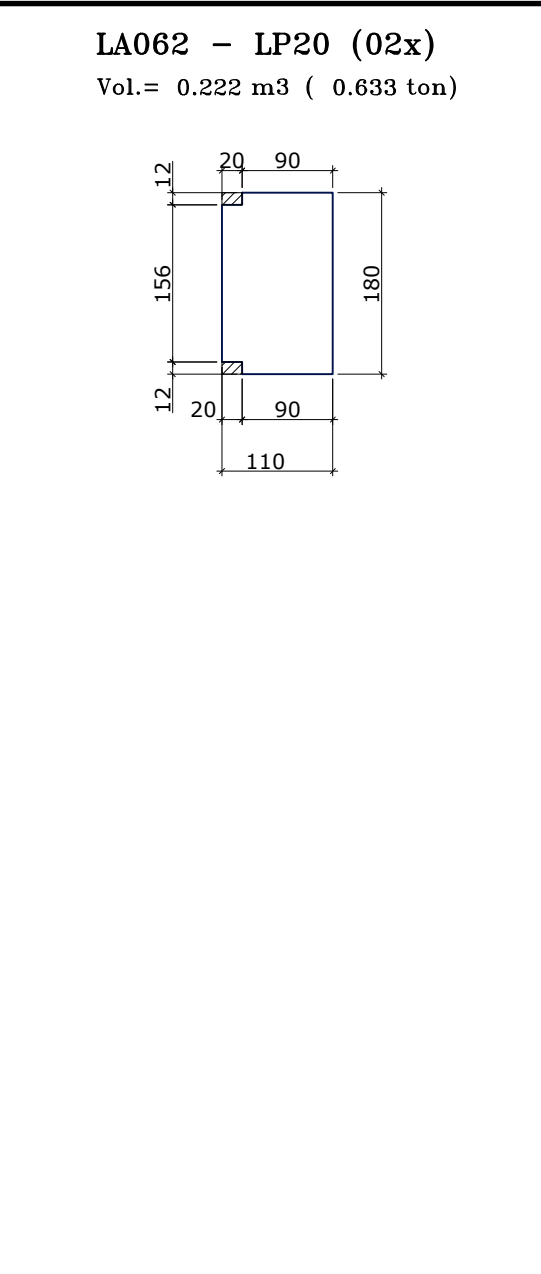
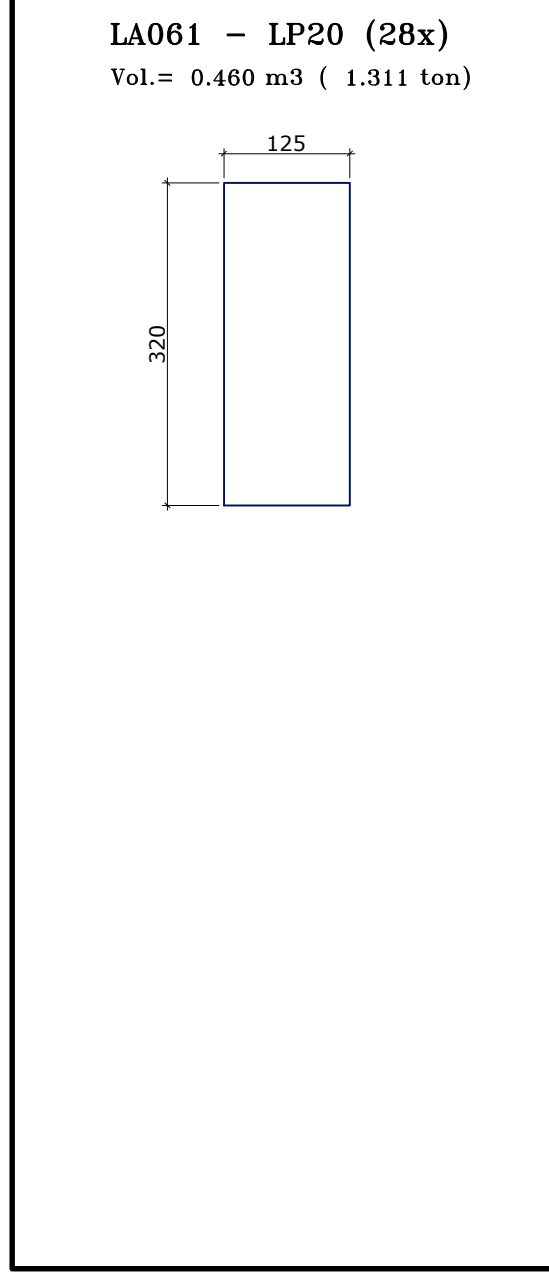
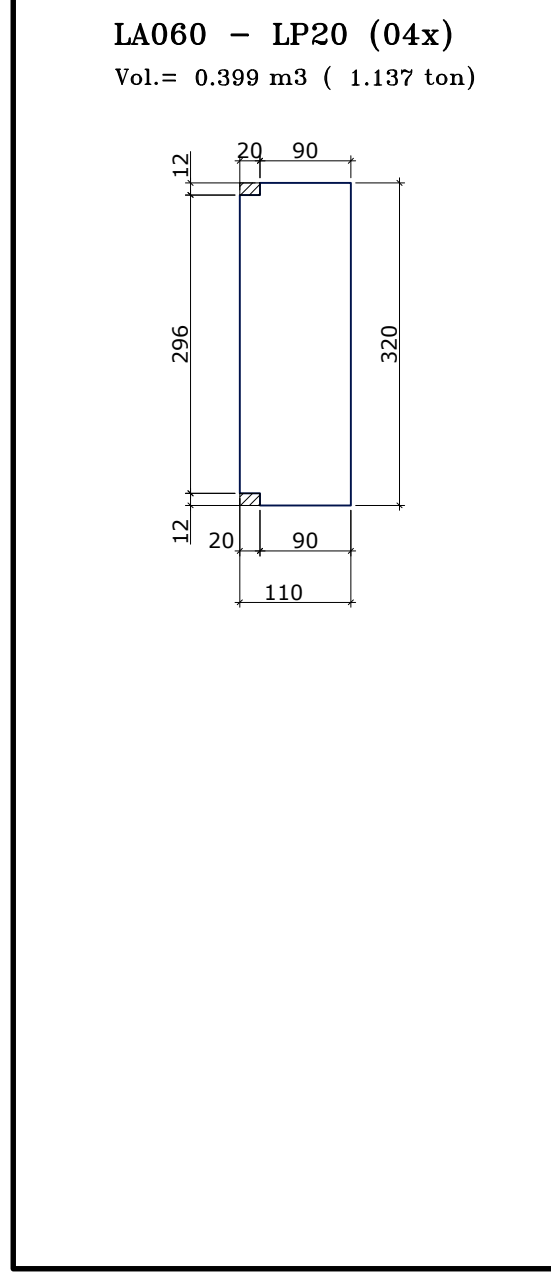
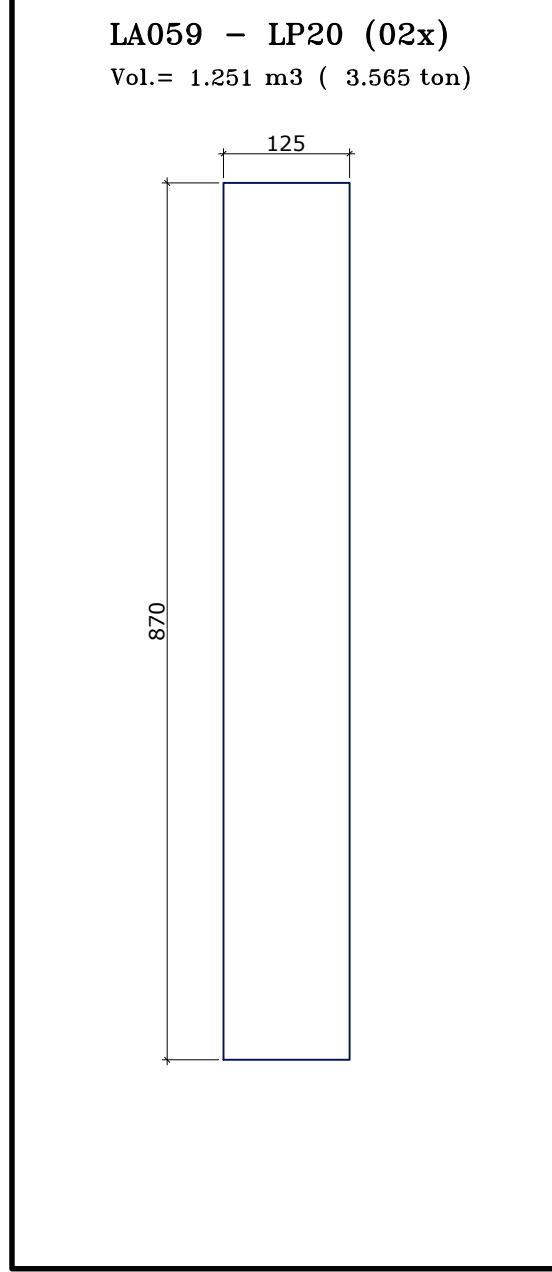
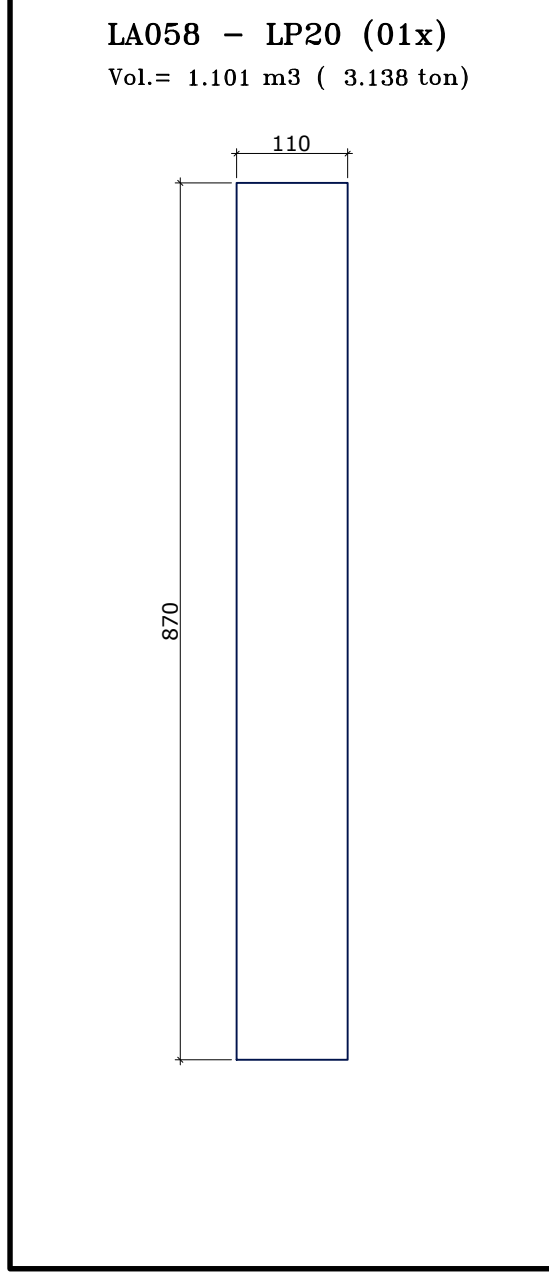
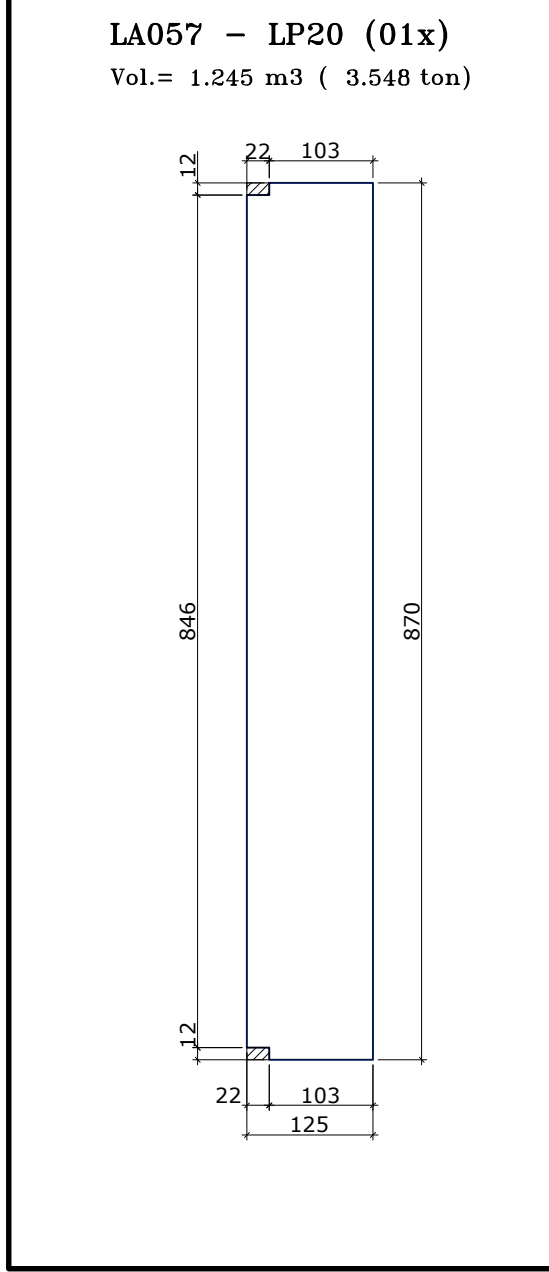
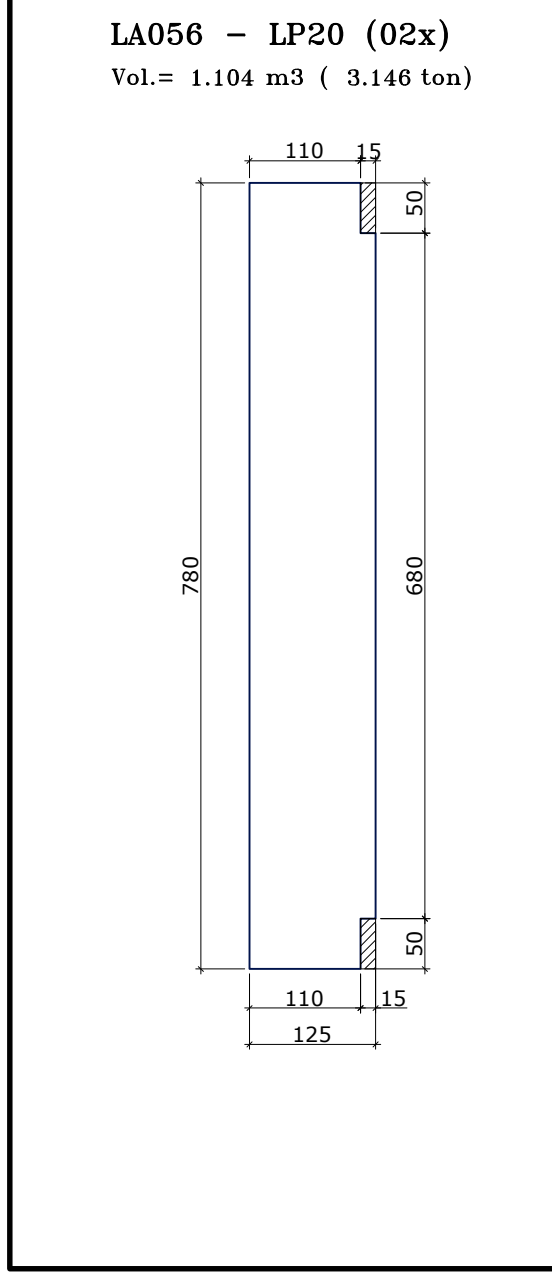
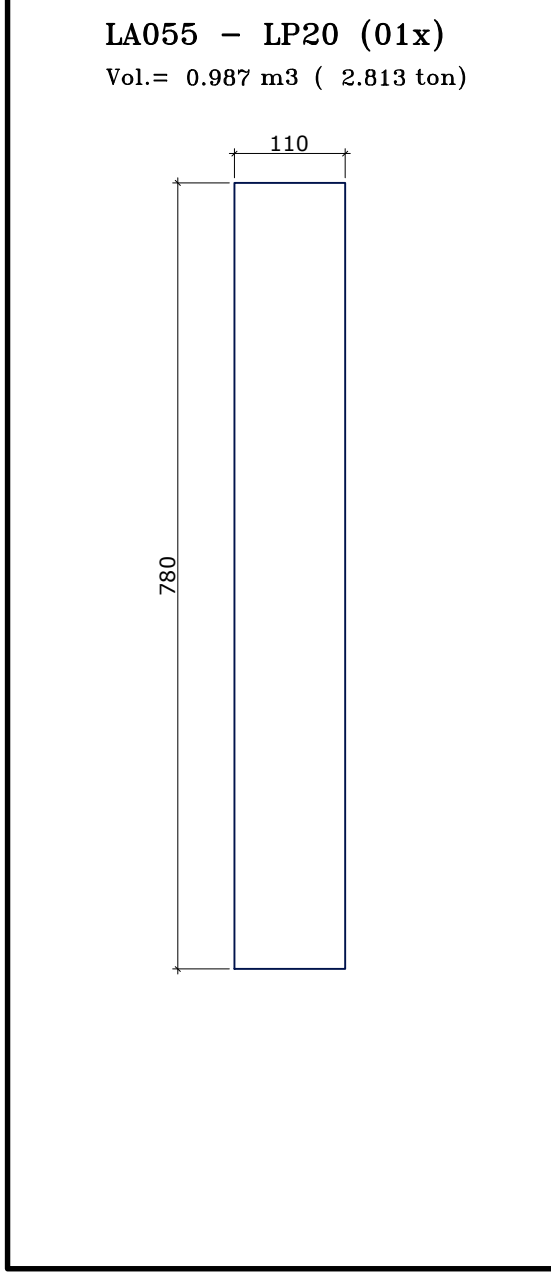
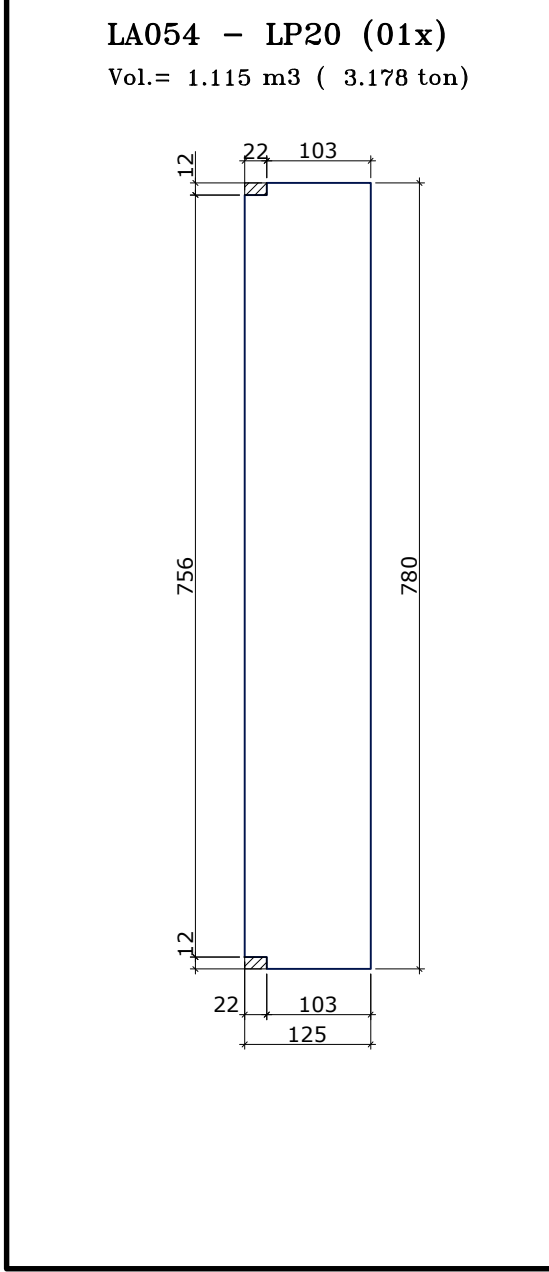
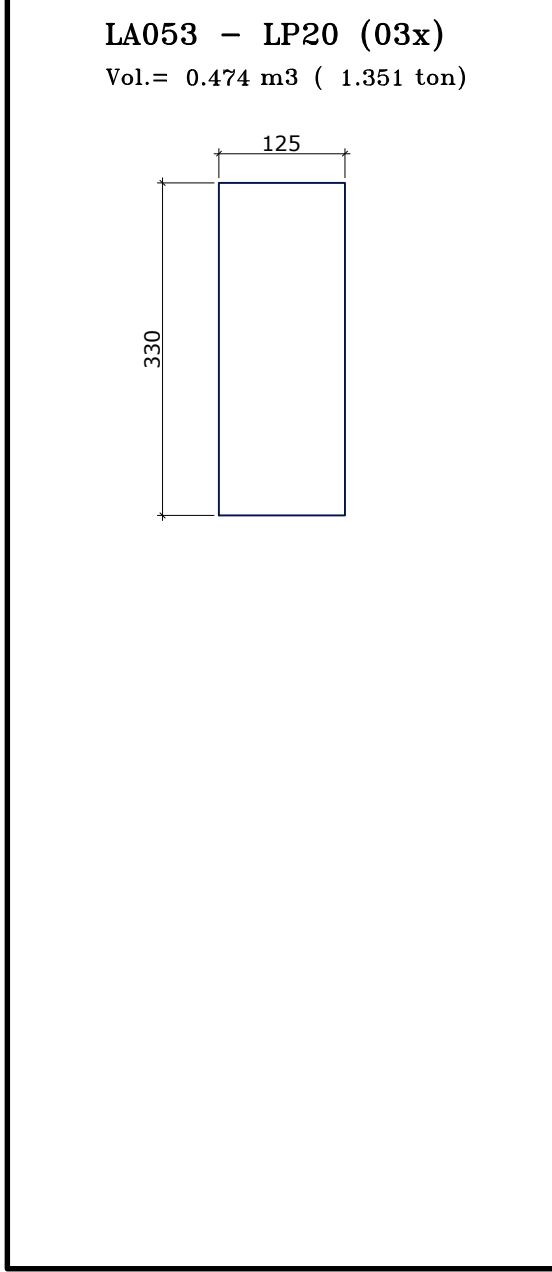
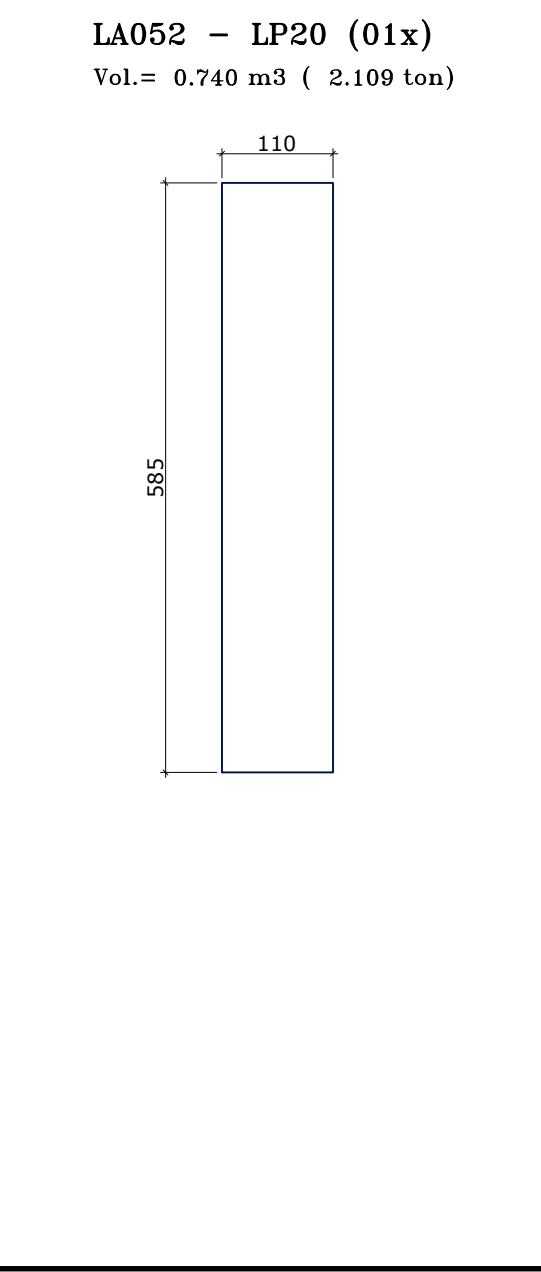
EDIFICAÇÃO	ENGENHEIRO
PARQUE LINEAR PORTO CACHOEIRA	AV. JOSÉ VIEIRA E AV. HERMANN AUGUST ENTRE AS RUAS ITAIÓPOLIS E MAX COLIN - SAGUAÇU E AMÉRICA LEPPER JOINVILLE-SC 89209-357

PROJETO	ARQUIVO
ESTRUTURAL	0751-EST_EX_PASSEIO E3002_R01

CONTÉUDO	ETAPA	FOLHA
FORMA E ARMADURA DAS LAJES LA003 e LA004, LA025 à LA051	EXECUTIVO	1/75

E3002

MAGNUS ENGENHARIA E ARQUITETURA LTDA | CREA 088862-1 | CNPJ 18.398.616 | CNPJ 09.549.705/0001-37
Rua Lúcio Müller, 853 | Sala 02 - Foz de Iguaçu, Paraná | CEP 85901-401 | Fone: (47) 3349-9330 / (346-5561) | magnus@magnusenhenaria.com.br



RETIRAR O CONCRETO

OBS.:
fck do concreto = 40MPa
fcd de desprotenção =21MPa
cobrimento mínimo da armadura = 2,5cm
fator a/c < 0,45
- Para liberação das peças para manuseio e transporte ver procedimento PS-QUA-001.
- Para pontos de apoio para armazenamento das peças no pátio e transporte ver procedimento PO-PRD-001.
- Para tolerâncias dimensionais dos elementos pré-fabricados, ver procedimento sistêmico PS-QUA-001.
- Na montagem das lajes com largura menor do que 125cm, as peças deverão ser içadas com cinta, corrente ou cabo de aço. Não deverá ser utilizada a garra.
- Arranhar a superfície da laje para aderência da capa.

TAMPAR ALVEÓLOS:

SIM

NÃO

ARMADURA PARA LAJES LP20
LA001 À LA007

7Ø12-7mm-CP190RB (PROTENSÃO 75%)
CONTRA-FLECHA ESTIMADA: 21mm
CONTRA-FLECHA ADMISSÍVEL: 38mm

QUADRO DE REVISÕES

REVISÃO	DESCRIÇÃO	DATA	DESENHO
000	EMISSÃO INICIAL	07/03/23	SS/UL
001	AJUSTES GRÁFICOS	21/05/23	END

APROVAÇÕES

EST
Estrutural

PROPRIETÁRIO

CRISTIANA SOARES
CARVALHO:89062671934
CPF: 83.188.8235001-10

Assinado de forma digital por
CRISTIANA SOARES
Data: 2023.05.12 14:48:17 -03'00'

MUNICÍPIO DE JOINVILLE

RESPONSÁVEL TÉCNICO

CHARLES JOSÉ REIS
CPF: 83.188.8235001-10

Assinado de forma digital por CHARLES JOSÉ REIS
Data: 2023.05.12 14:48:17 -03'00'

CHARLES JOSÉ REIS HÍPOLITO
CREA/SC: 20844-8

PROPRIETÁRIO

MUNICÍPIO DE JOINVILLE

EDIFICAÇÃO

PARQUE LINEAR PORTO CACHOEIRA

ENDEREÇO

AV. JOSÉ VIEIRA E AV. HERMANN AUGUST ENTRE AS RUAS ITAIÓPOLIS E MAX COLIN - SAGUAÇU E AMÉRICA LEPPER | JOINVILLE-SC | 89209-357

PROJETO

ESTRUTURAL

CONTEÚDO

FORMA E ARMADURA DAS LAJES LA052 à LA081

ETAPA

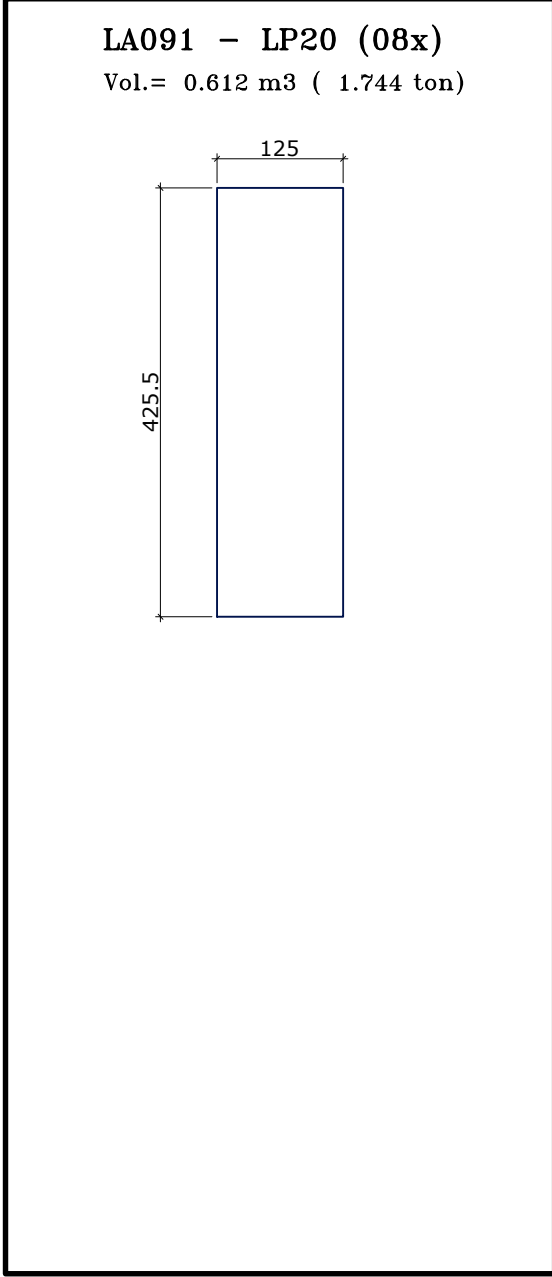
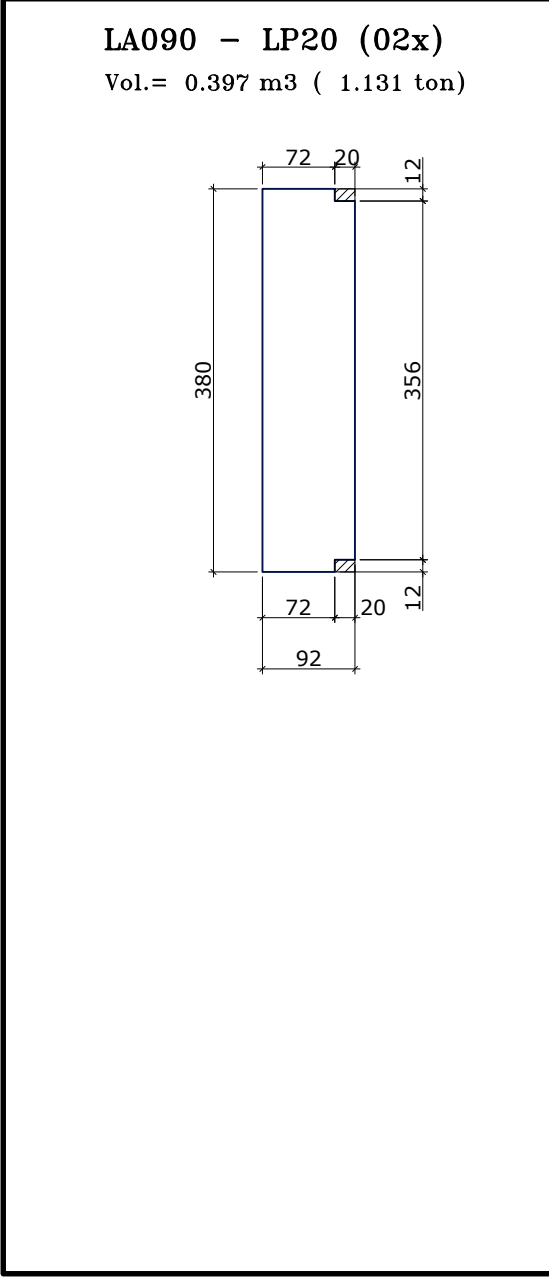
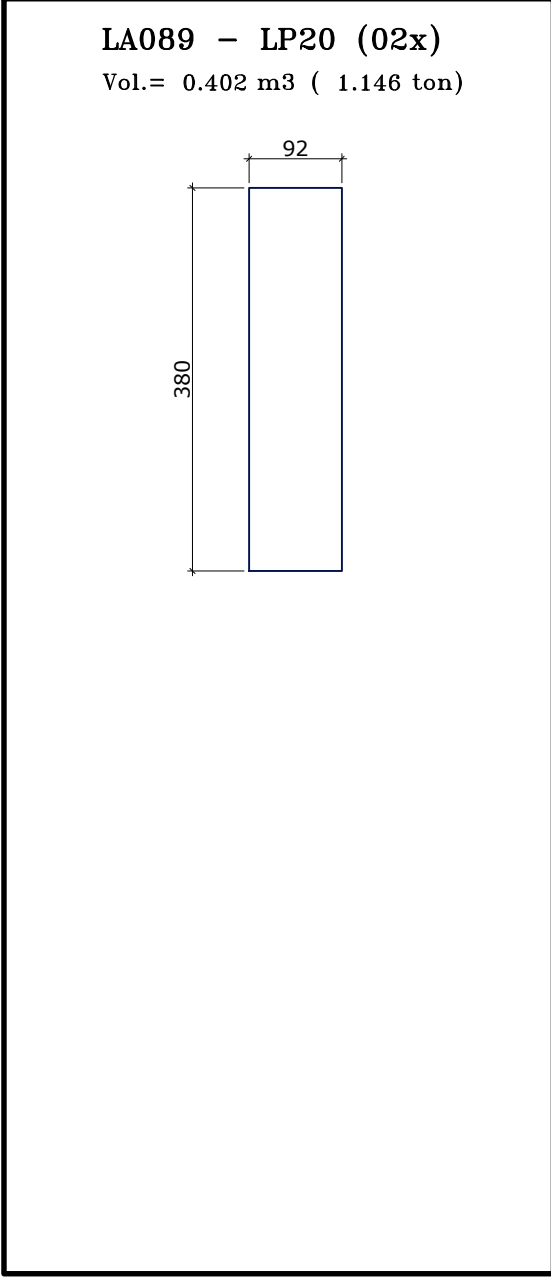
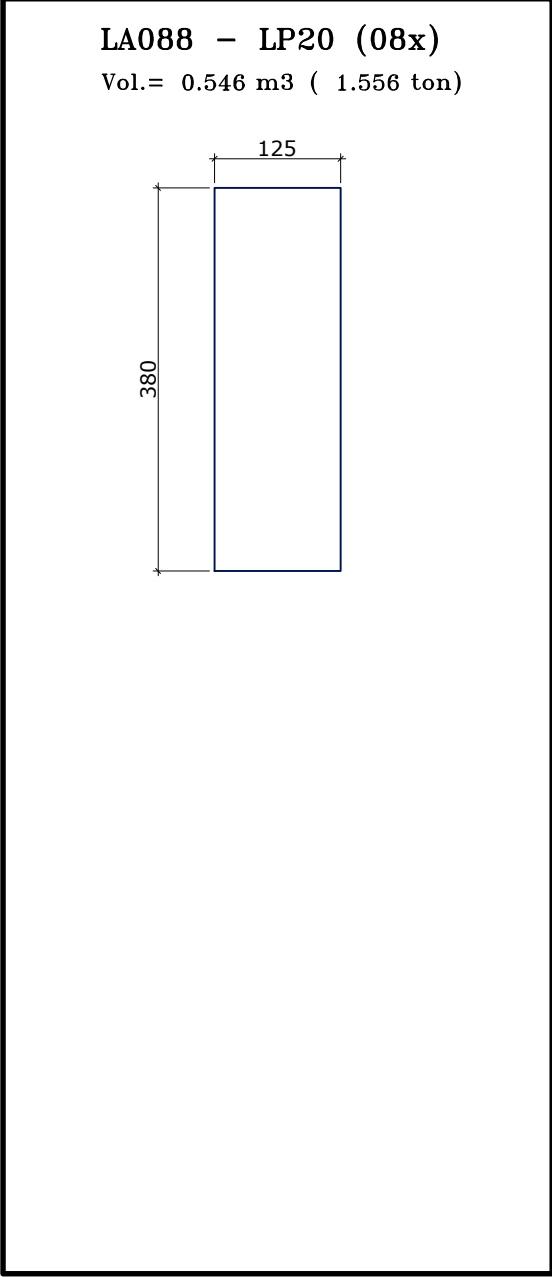
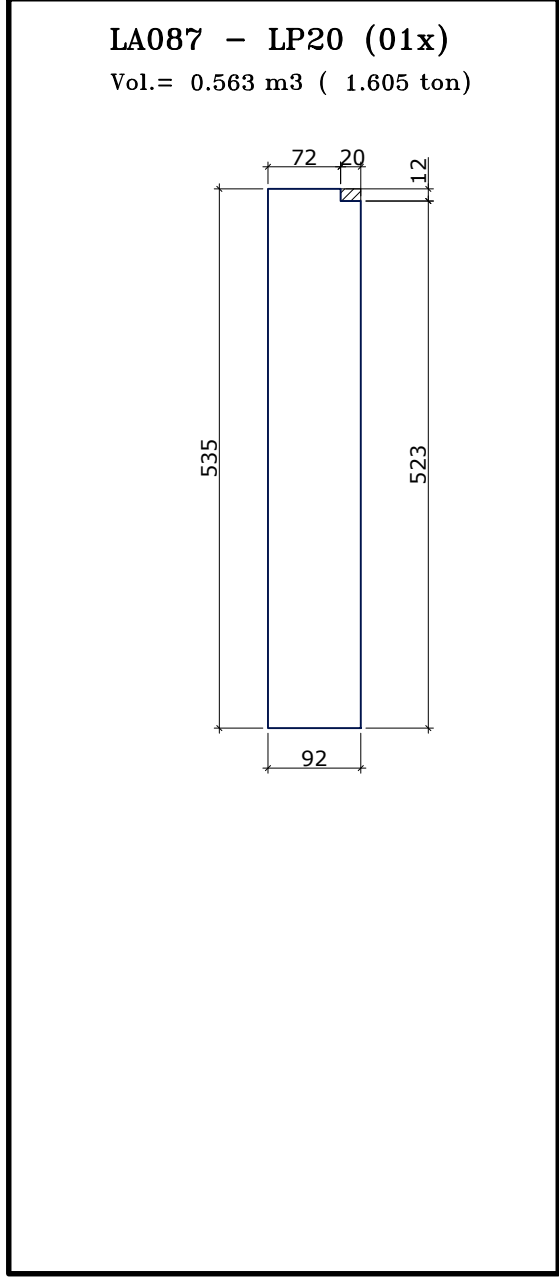
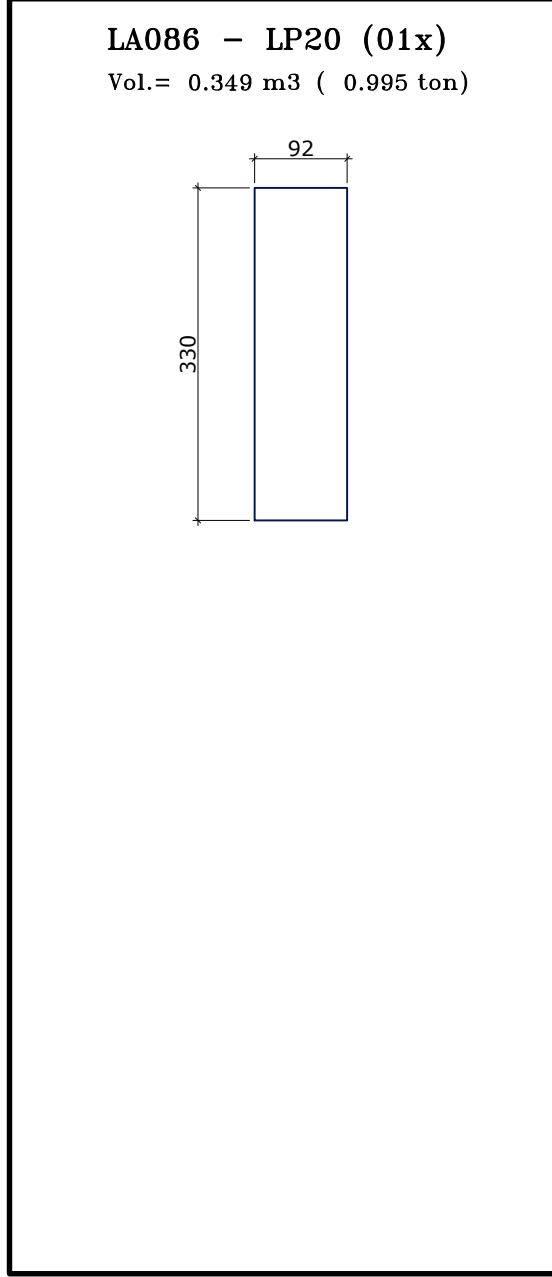
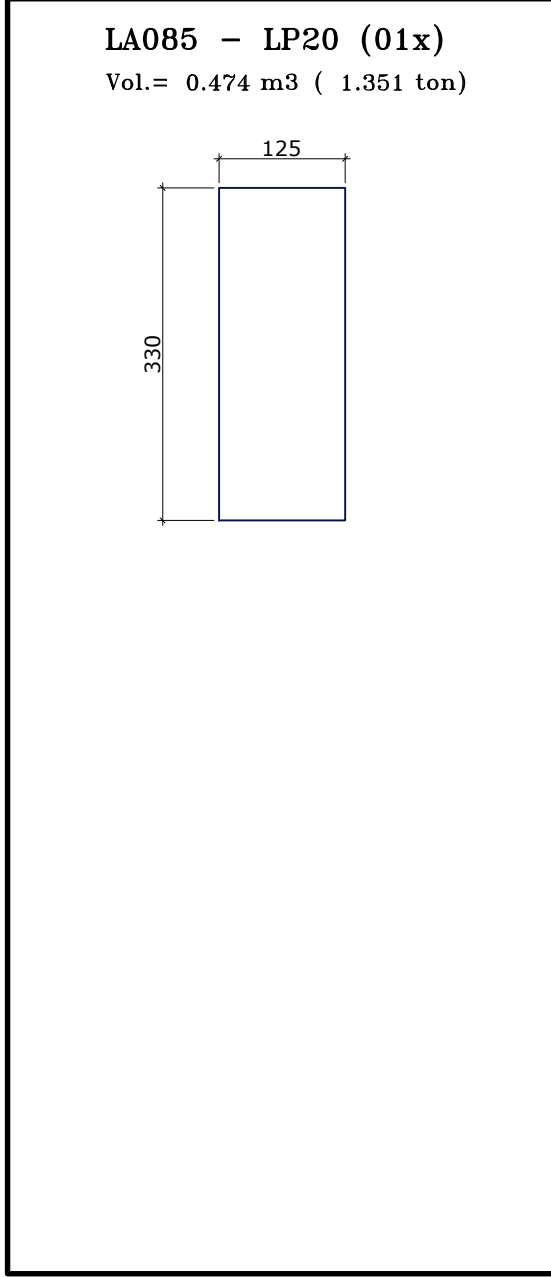
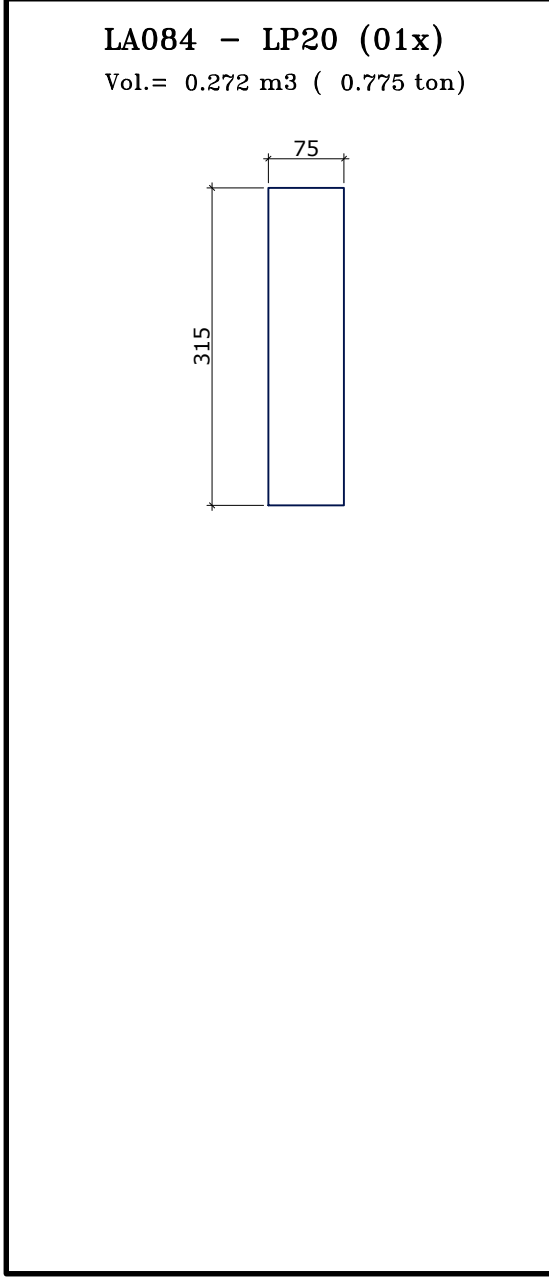
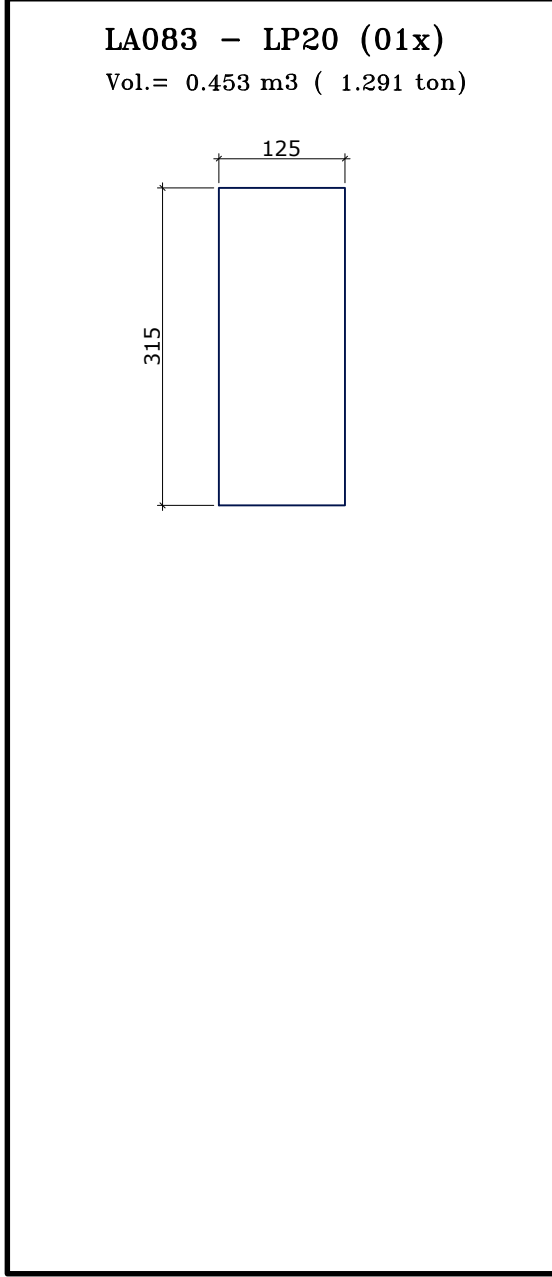
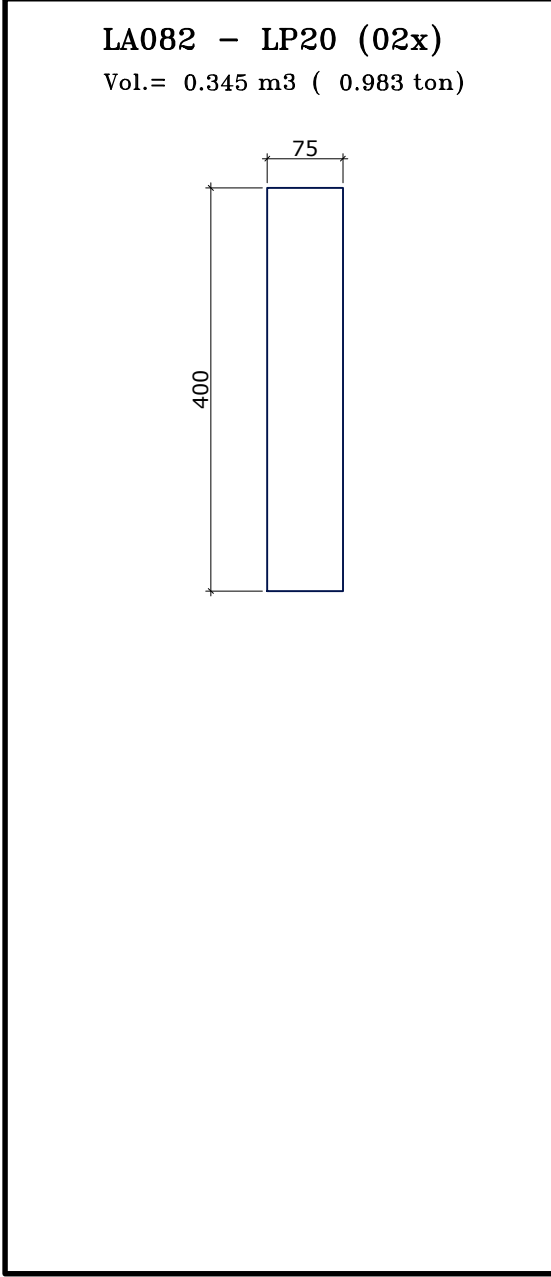
EXECUTIVO


FOLHA

1/75

E3003

MAGNUS ENGENHARIA E ARQUITETURA LTDA | CREA 088863-1 | CNPJ 08.945.700/0001-37
Rua Laura Muller, 853 | Sala 02 - Foz de Iguaçu, Foz de Iguaçu - Paraná | CEP 85901-401 - ITAUAÇU, Foz de Iguaçu - Paraná | CEP 85901-401 - ITAUAÇU, Foz de Iguaçu - Paraná | 471 3199-9330 / 3199-5561 | magnus@magnusengetharia.com.br



**RETIRAR O CONCRETO**

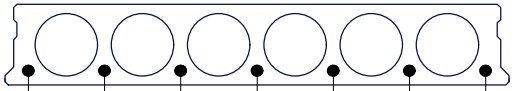
OBS.:
fck do concreto = 40MPa
fck de desprotenção =21MPa
cobrimento mínimo da armadura = 2,5cm
fator a/c < 0,45
- Para liberação das peças para manuseio e transporte ver procedimento PS-QUA-001.
- Para pontos de apoio para armazenamento das peças no pátio e transporte ver procedimento PO-PRD-001.
- Para tolerâncias dimensionais dos elementos pré-fabricados, ver procedimento sistêmico PS-QUA-001.
- Na montagem das lajes com largura menor do que 125cm, as peças deverão ser içadas com cinta, corrente ou cabo de aço. Não deverá ser utilizada a garra.
- Arranhar a superfície da laje para aderência da capa.

TAMPAR ALVÉOLOS:

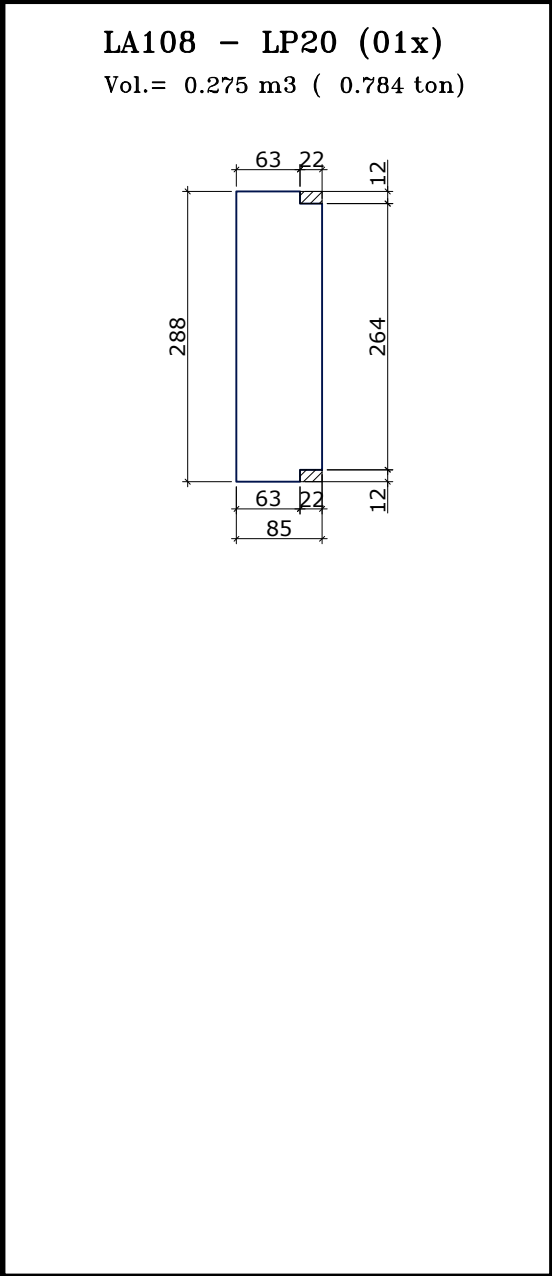
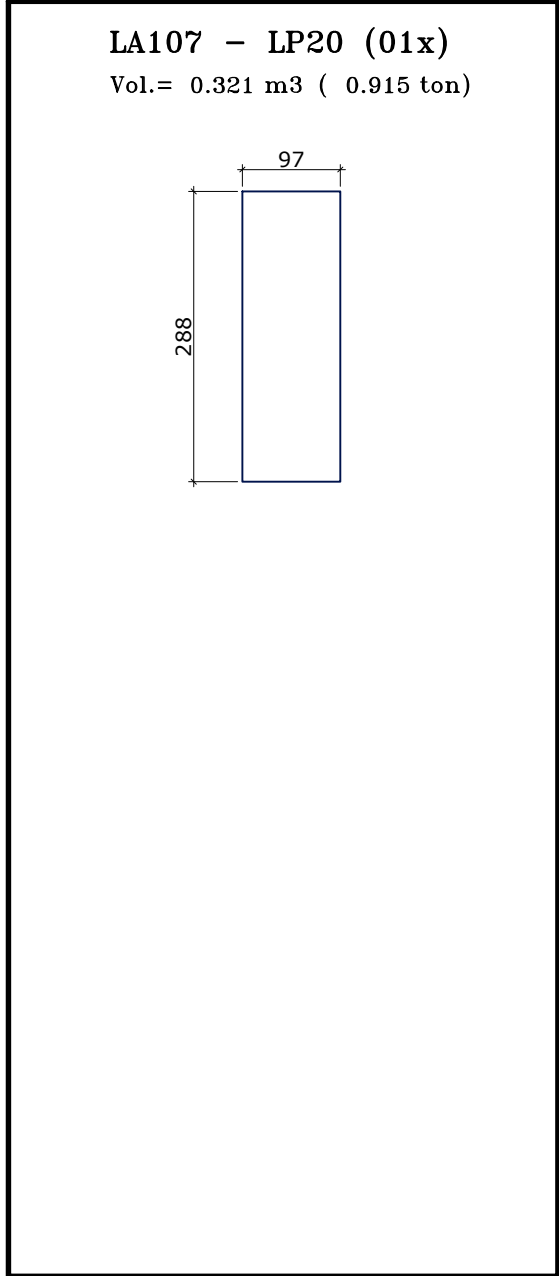
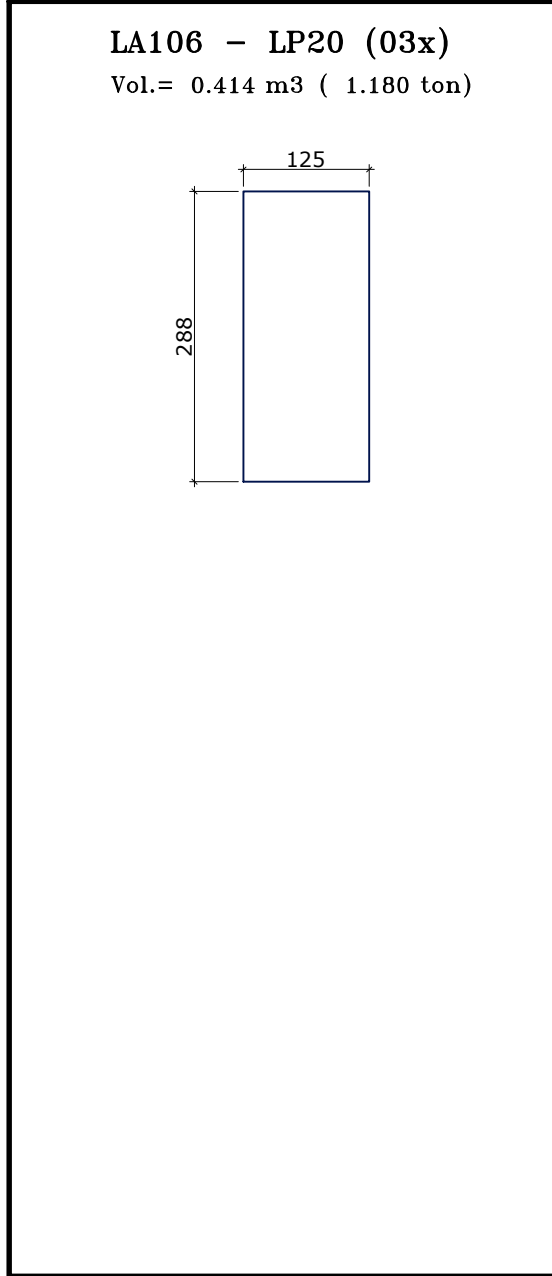
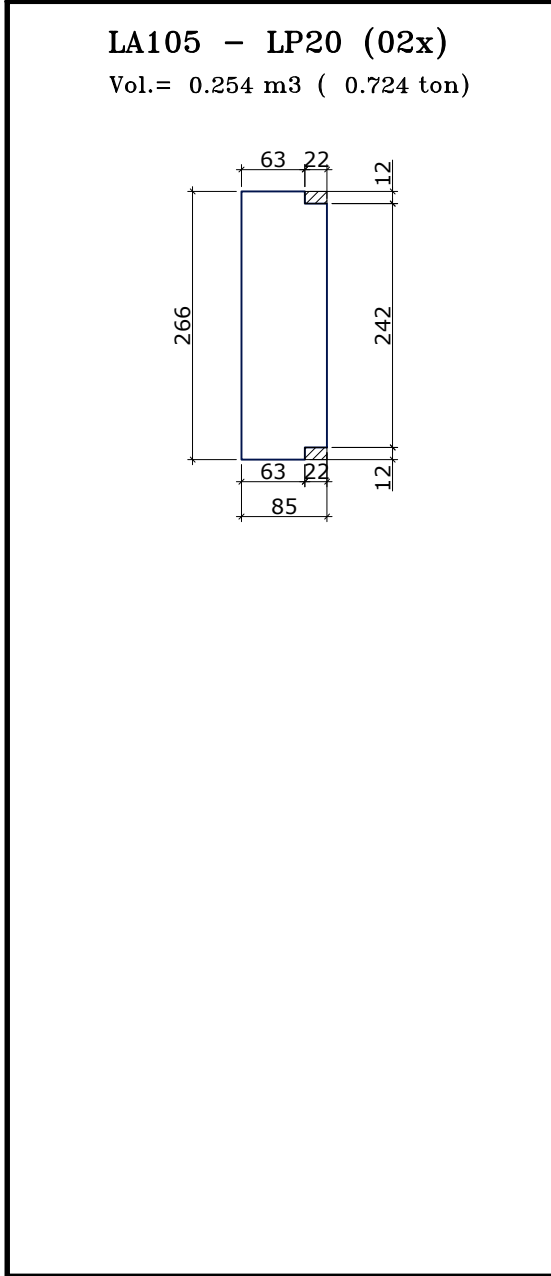
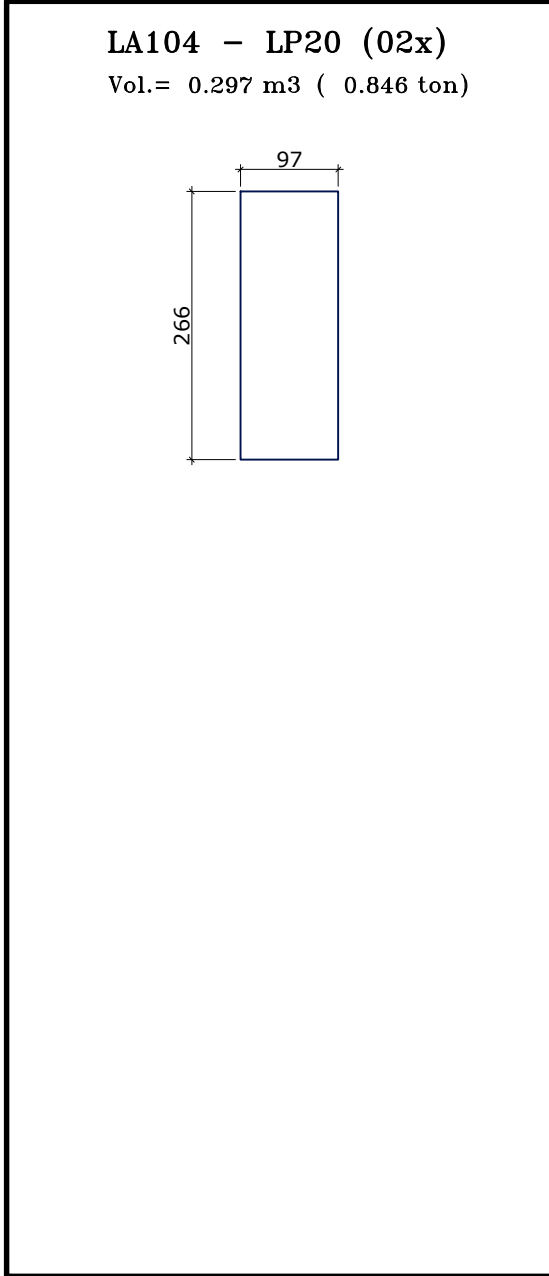
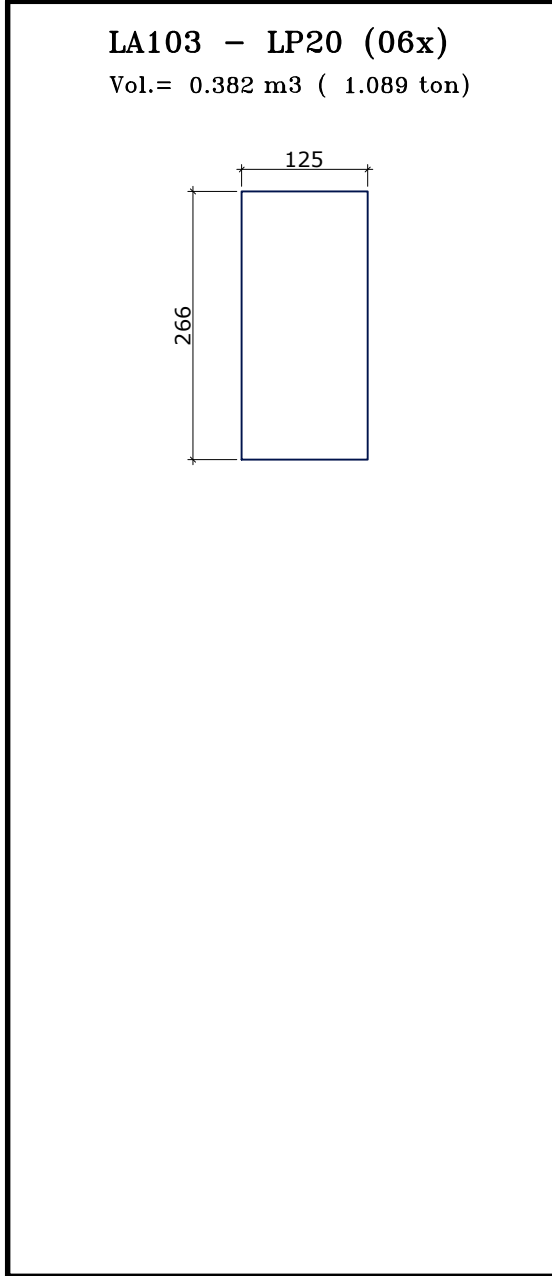
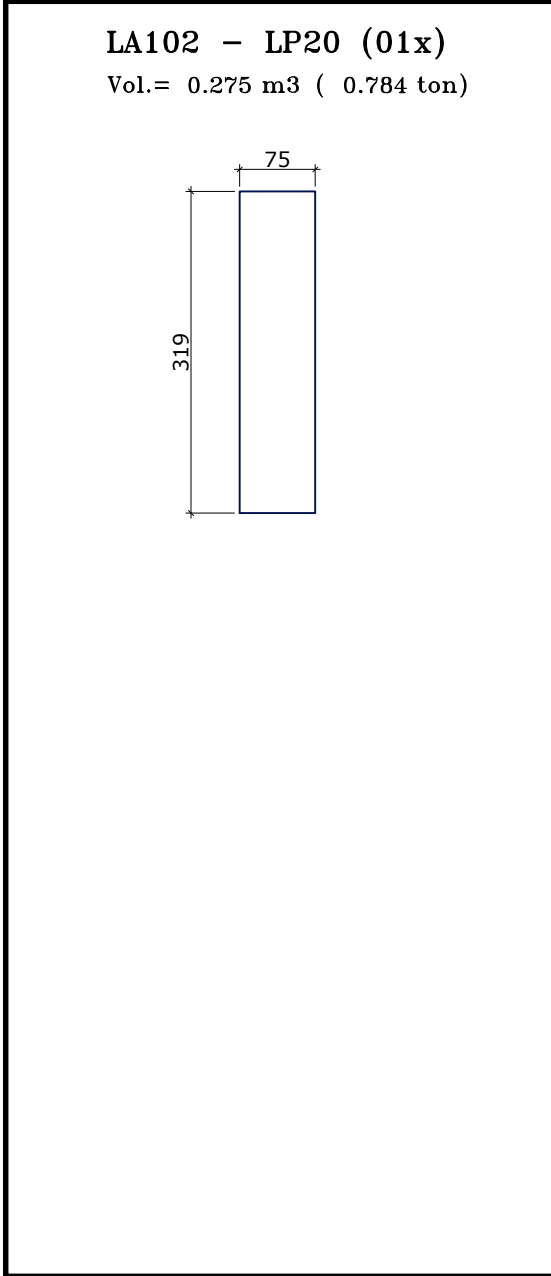
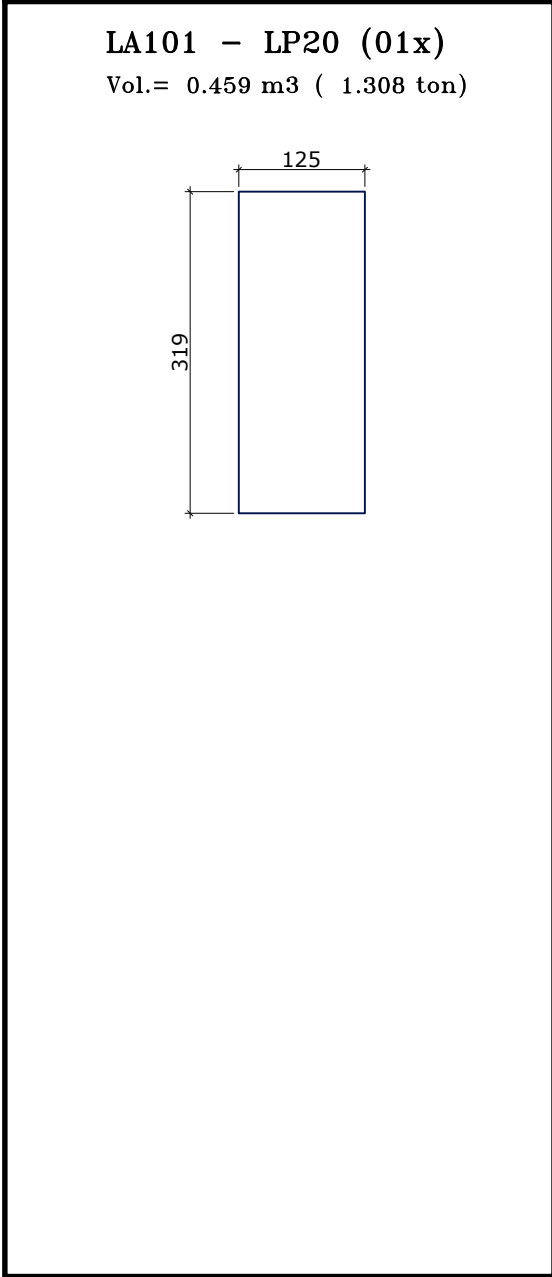
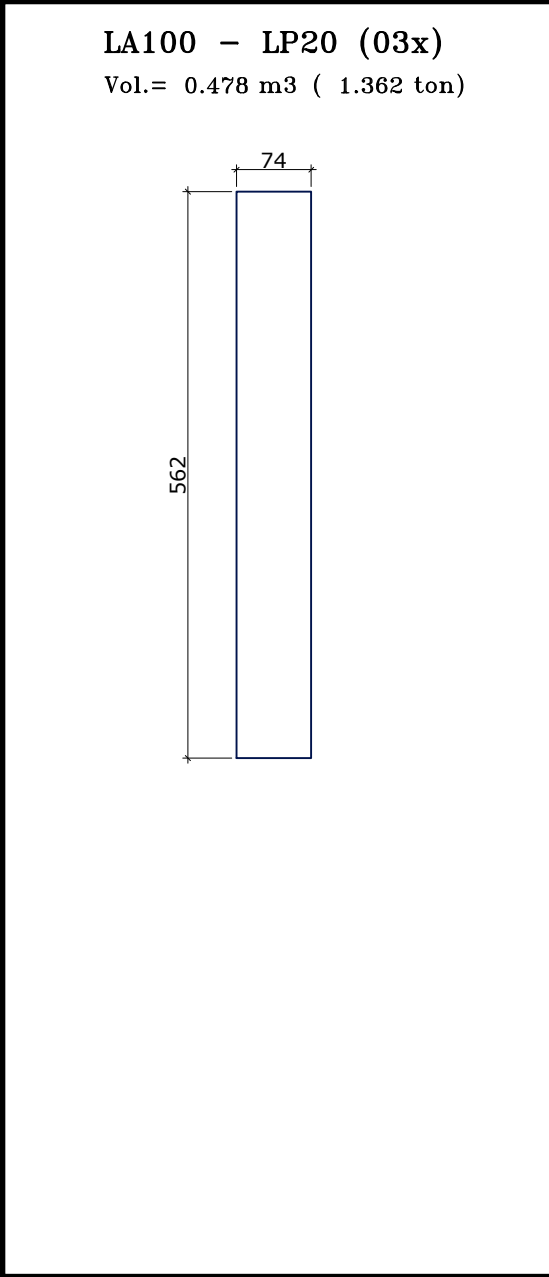
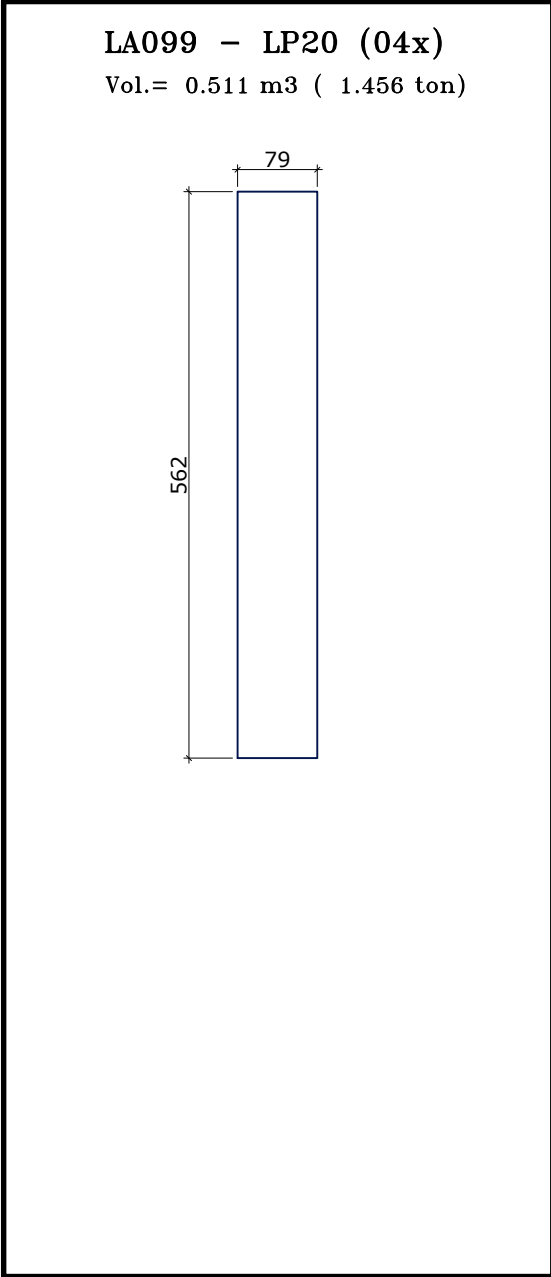
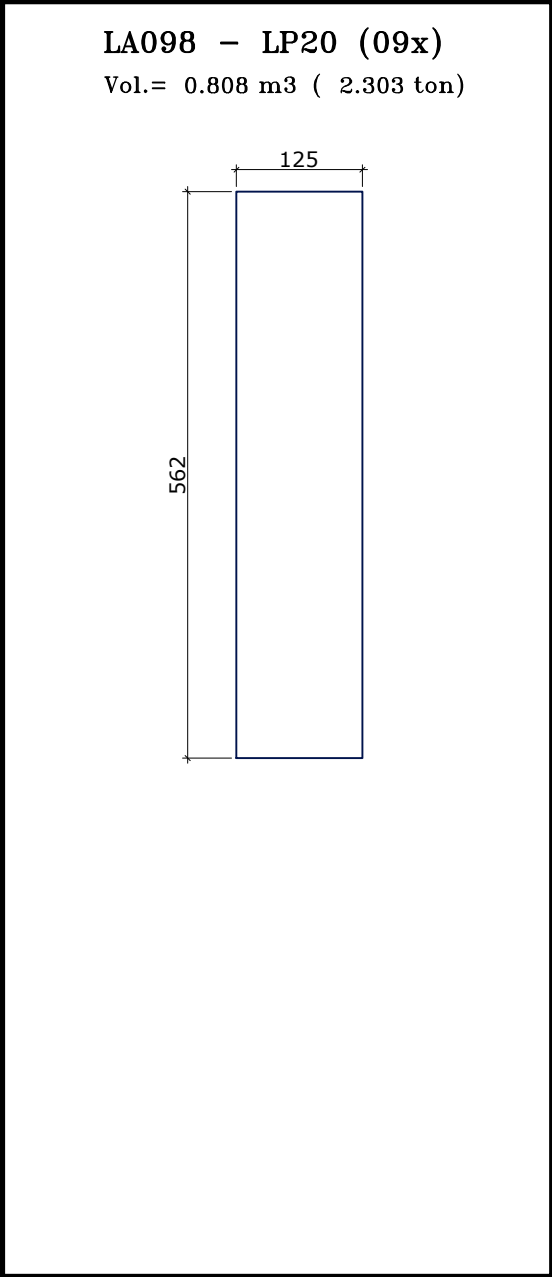
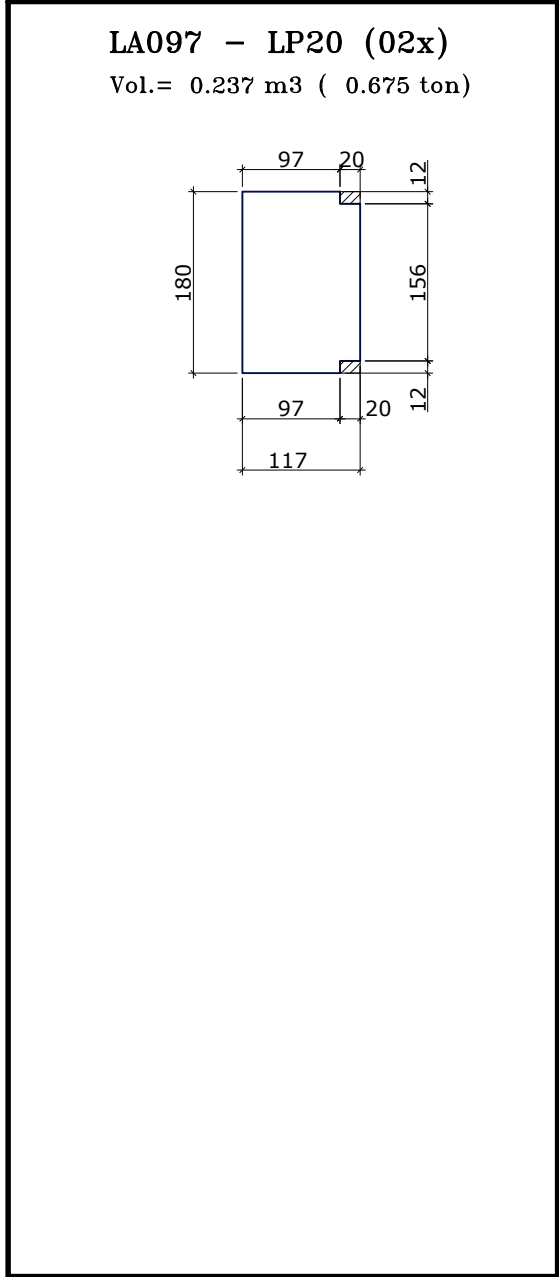
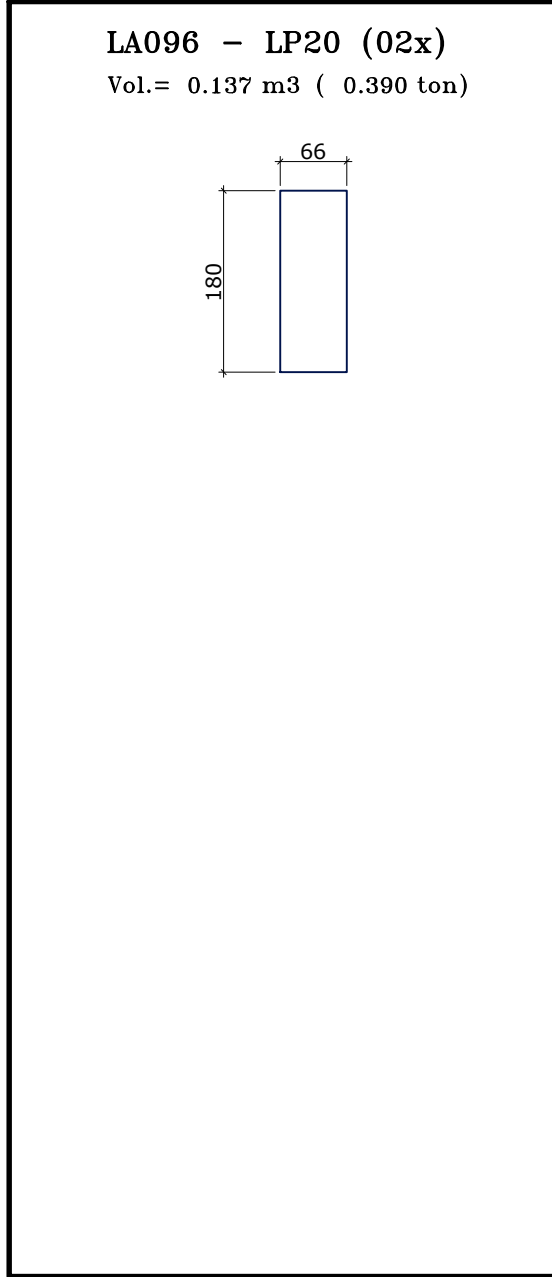
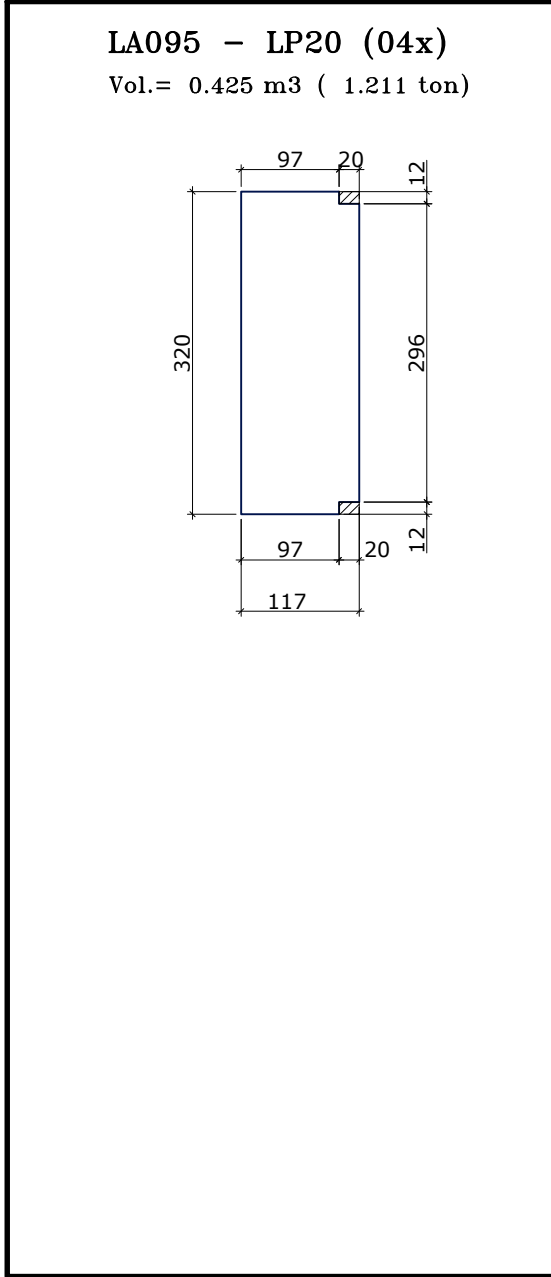
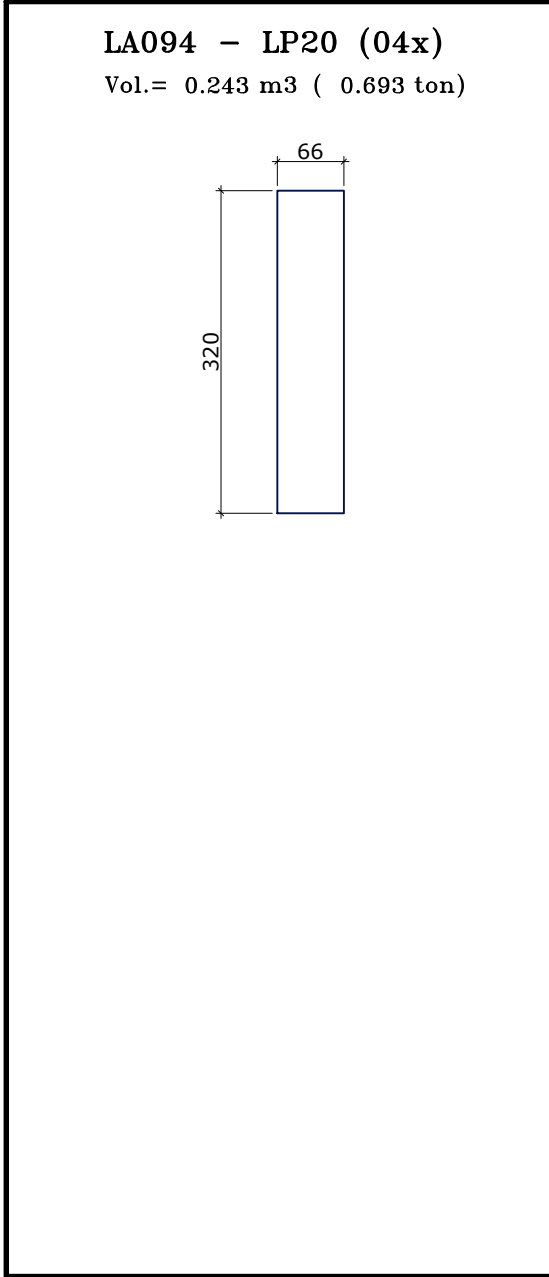
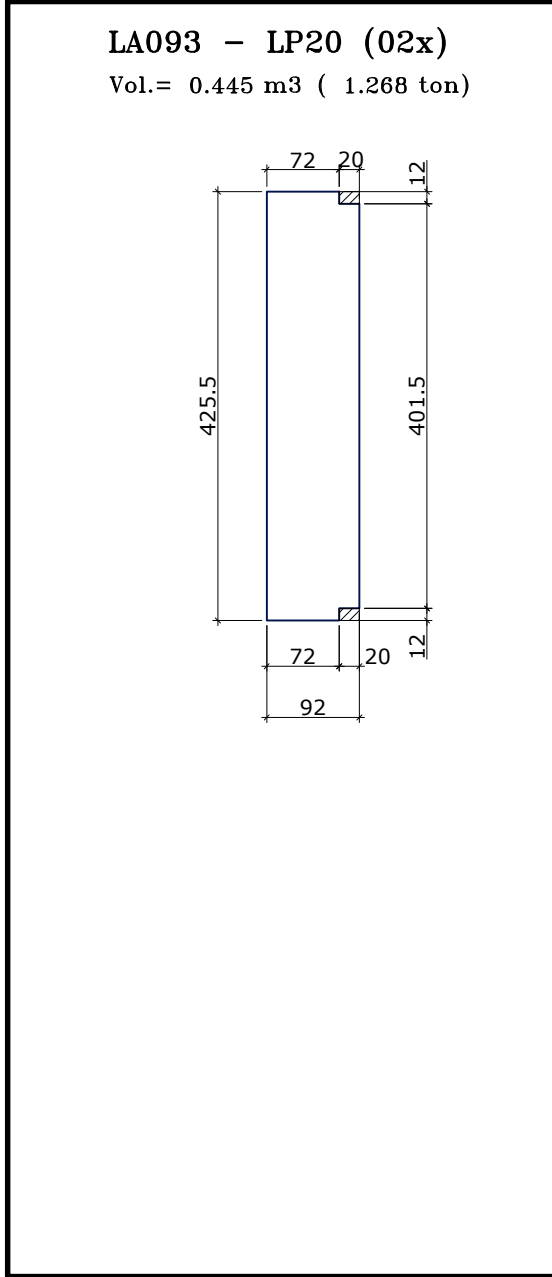
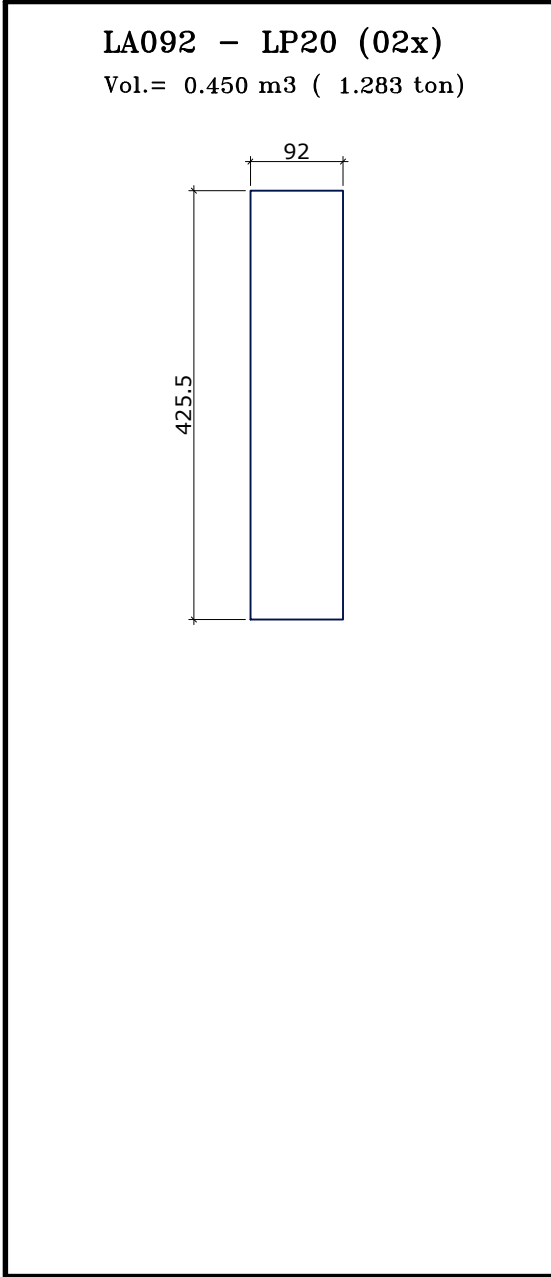
☒SIM

☐NÃO

ARMADURA PARA LAJES LP20
LA001 À LA007



7Ø12.7mm-CP190RB (PROTENSÃO 75%)
CONTRA-FLECHA ESTIMADA: 21mm
CONTRA-FLECHA ADMISSÍVEL: 33mm



QUADRO DE REVISÕES

REVISÃO	DESCRIÇÃO	DATA	DESENHO
000	EMISSÃO INICIAL	07/03/23	SS/ULF
001	ALTERES GRÁFICAS	07/03/23	ENDO

APROVAÇÕES



EST
Estrutural

PROPRIETÁRIO

Assinado de forma digital por
CRISTIANA SOARES
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CPF: 83.188.8235001-10

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Assinado de forma digital por
CHARLES JOSÉ REIS HÍPOLITO
CPF: 83.188.8235001-10



MUNICÍPIO DE JOINVILLE



MAGNUS
engenharia e arquitetura

EDIFICAÇÃO

PARQUE LINEAR PORTO CACHOEIRA

ENERGEO

AV. JOSÉ VIEIRA E AV. HERMANN AUGUST ENTRE AS RUAS ITAIÓPOLIS E MAX COLIN - SAGUAÇU E AMÉRICA LEPPER | JOINVILLE-SC | 89209-357

PROJETO

ESTRUTURAL

CONTEÚDO

FORMA E ARMADURA DAS LAJES LA082 à LA108

ETAPA

EXECUTIVO

FOLHA

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E3004

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Rua Laura Müller, 853 | Sala 02 - Foz de Iguaçu | Fone: (47) 3349-9330 / 3349-5561 | magnus@magnusengenharia.com.br