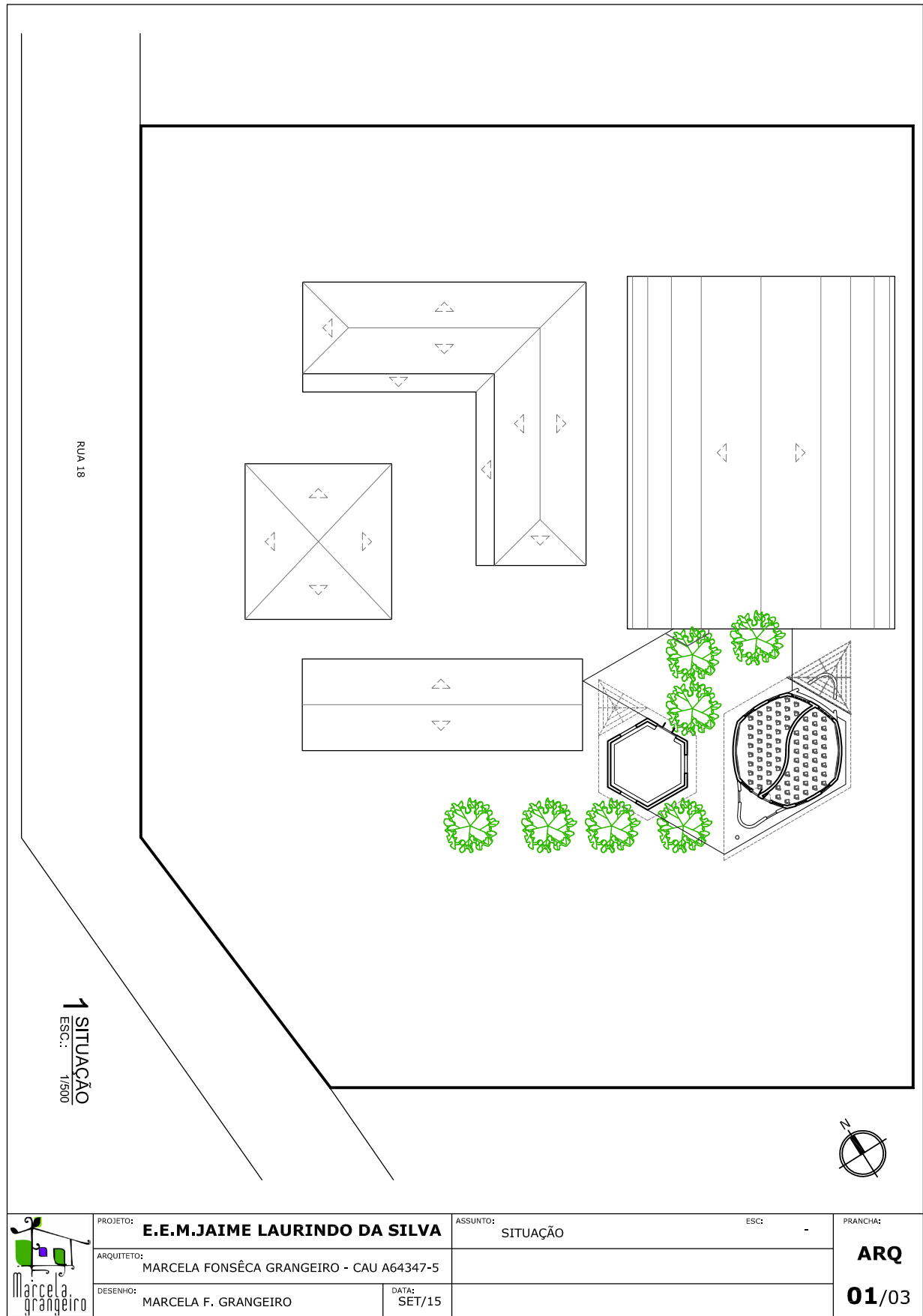
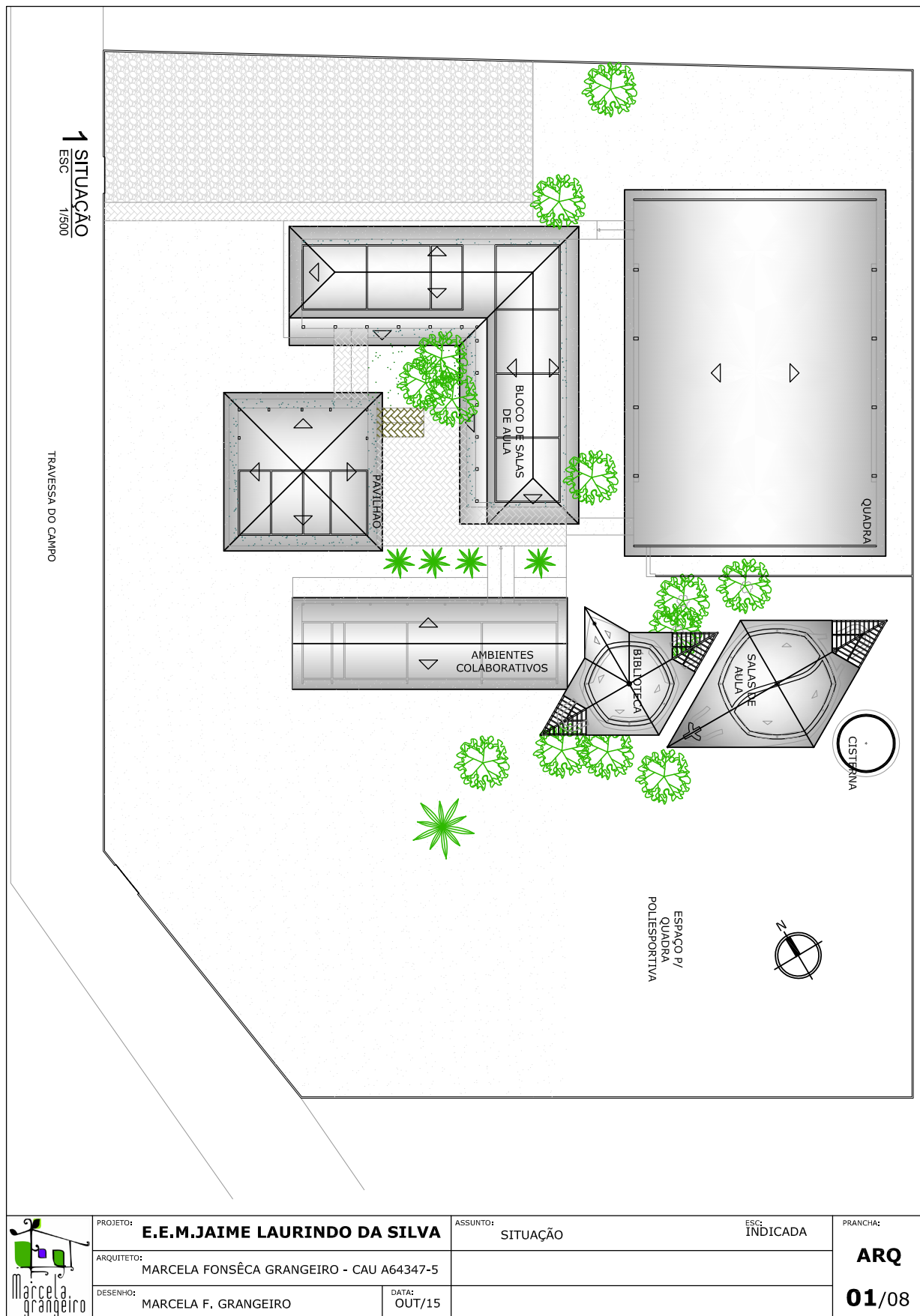
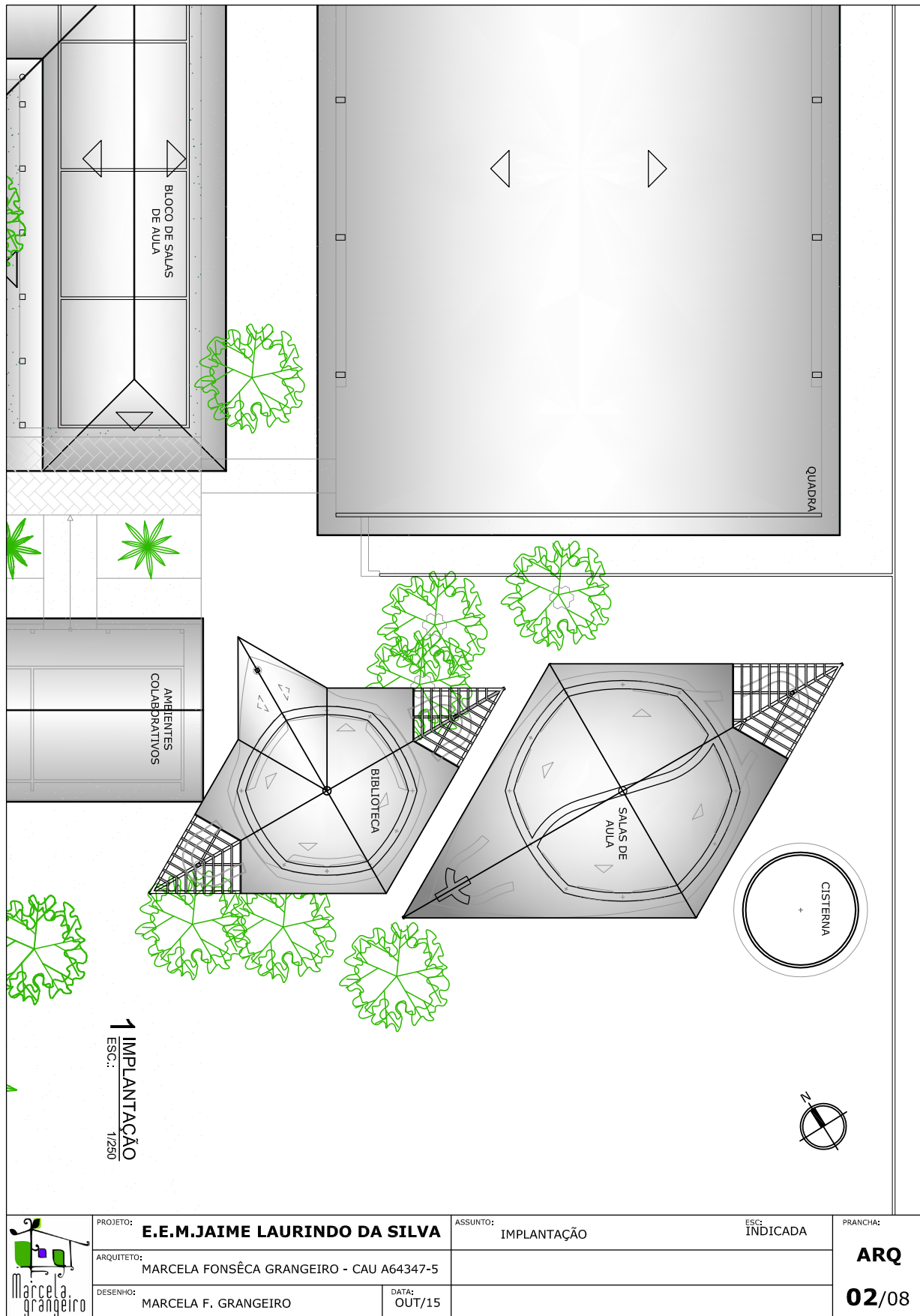




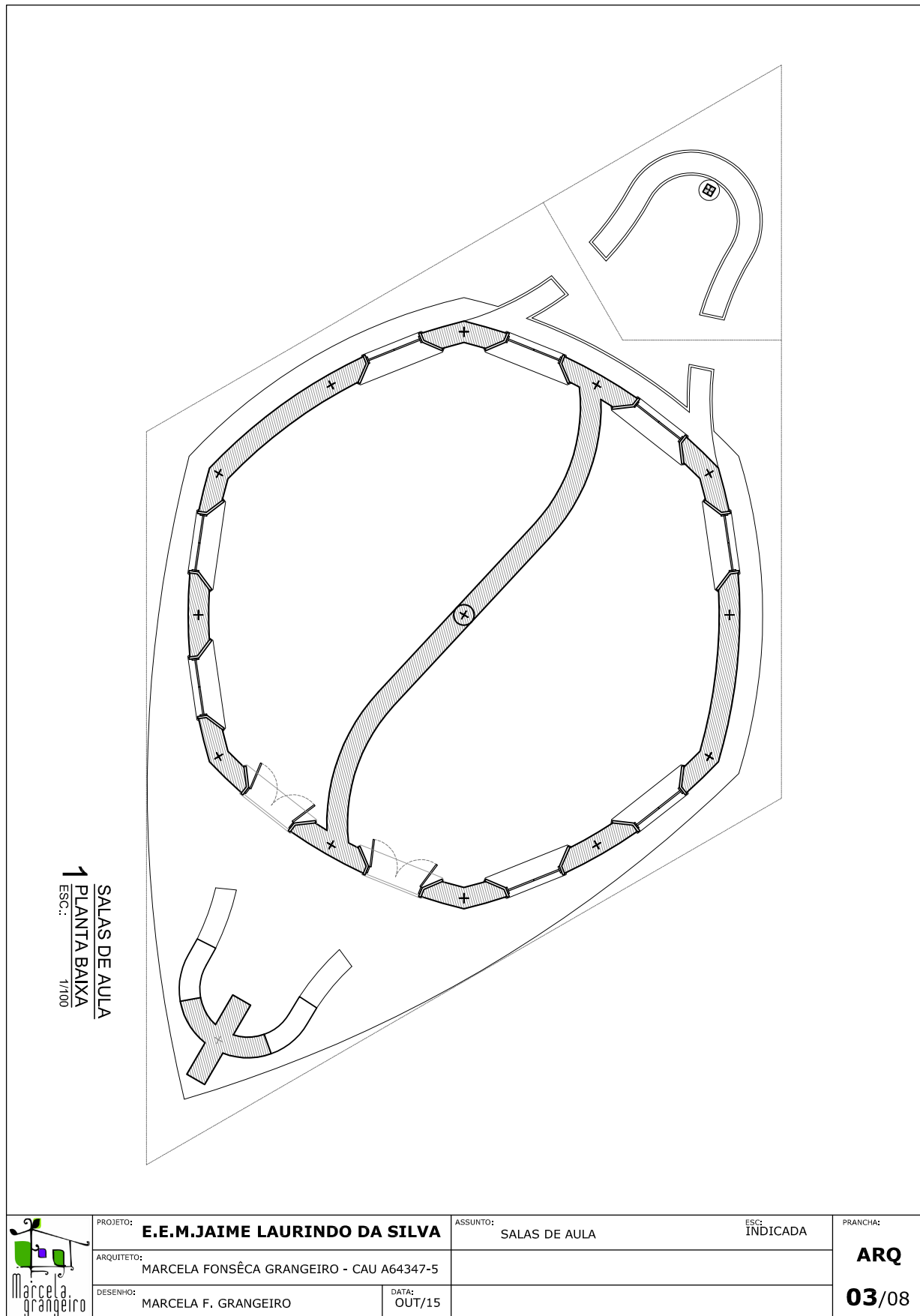
Planta Localização - 17/9/2015



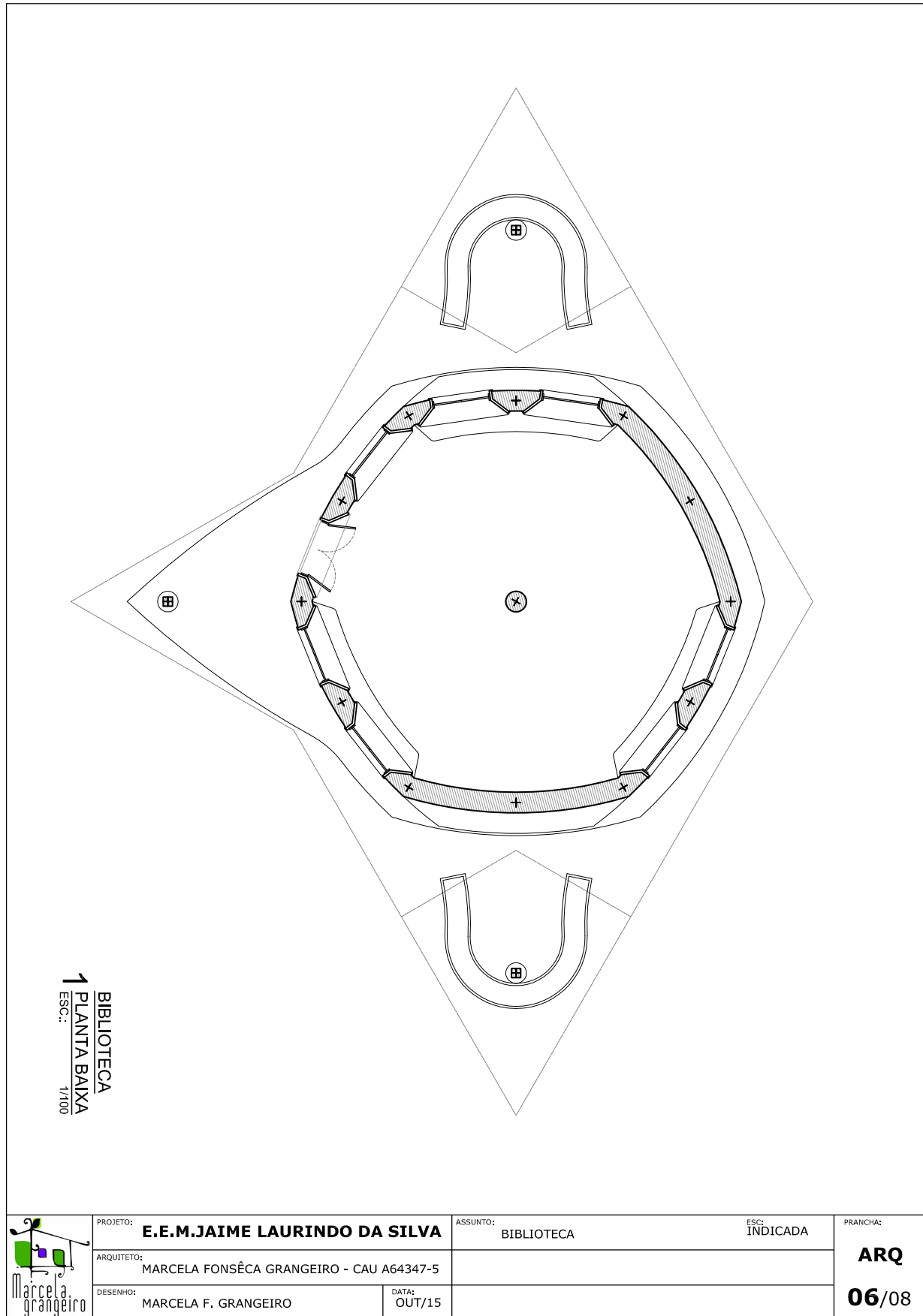
Planta Localização revisado por Director
JLS



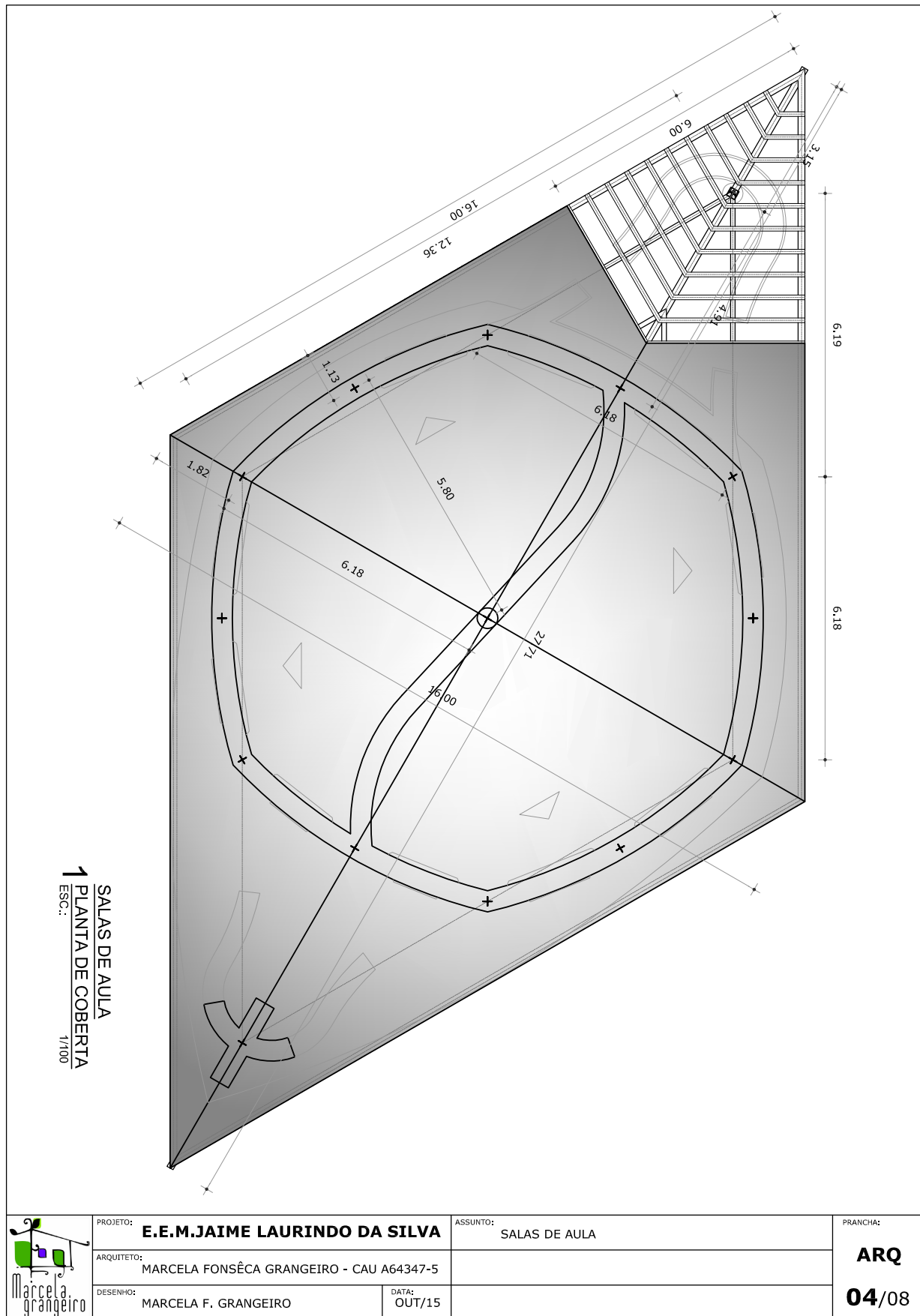
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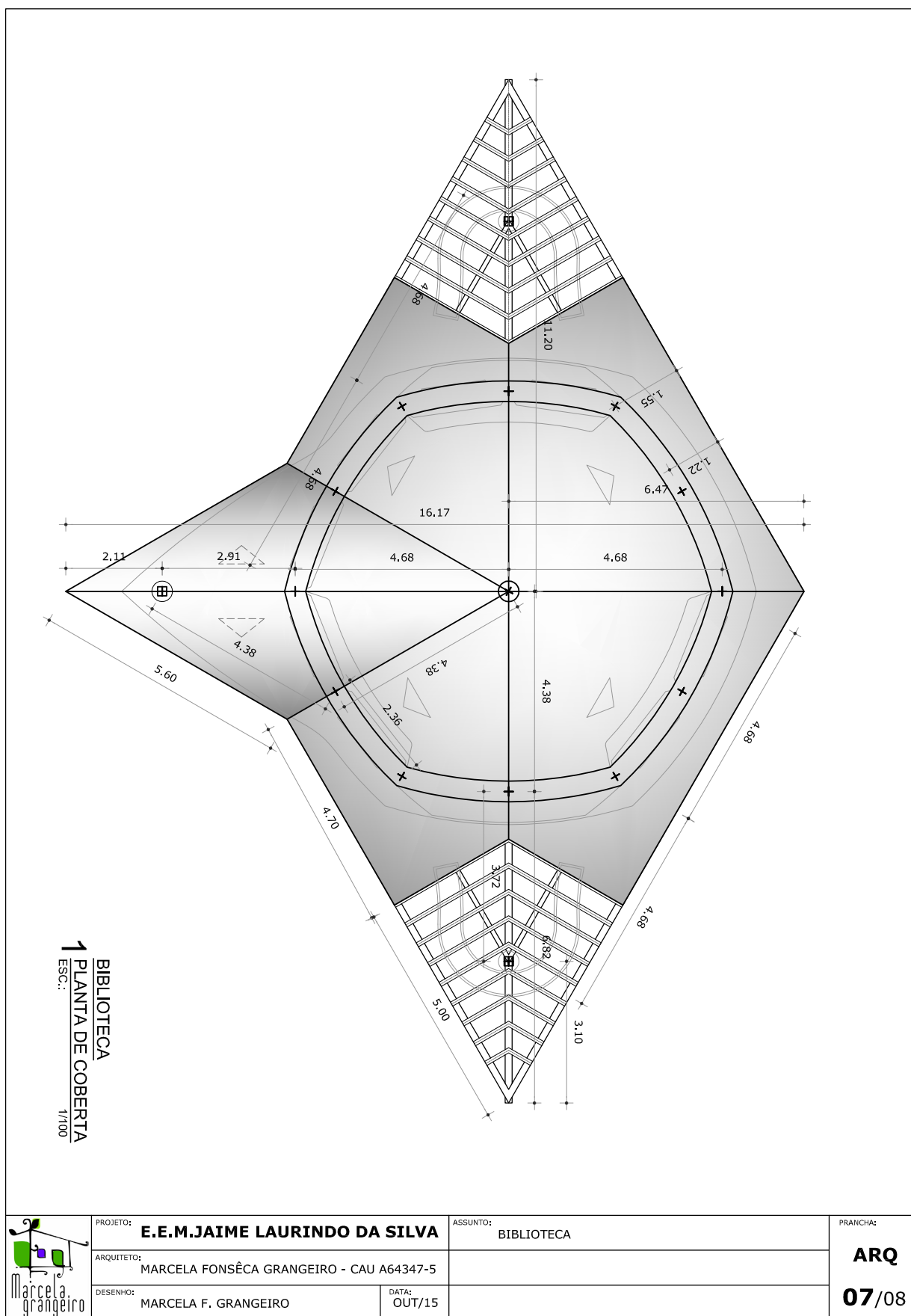
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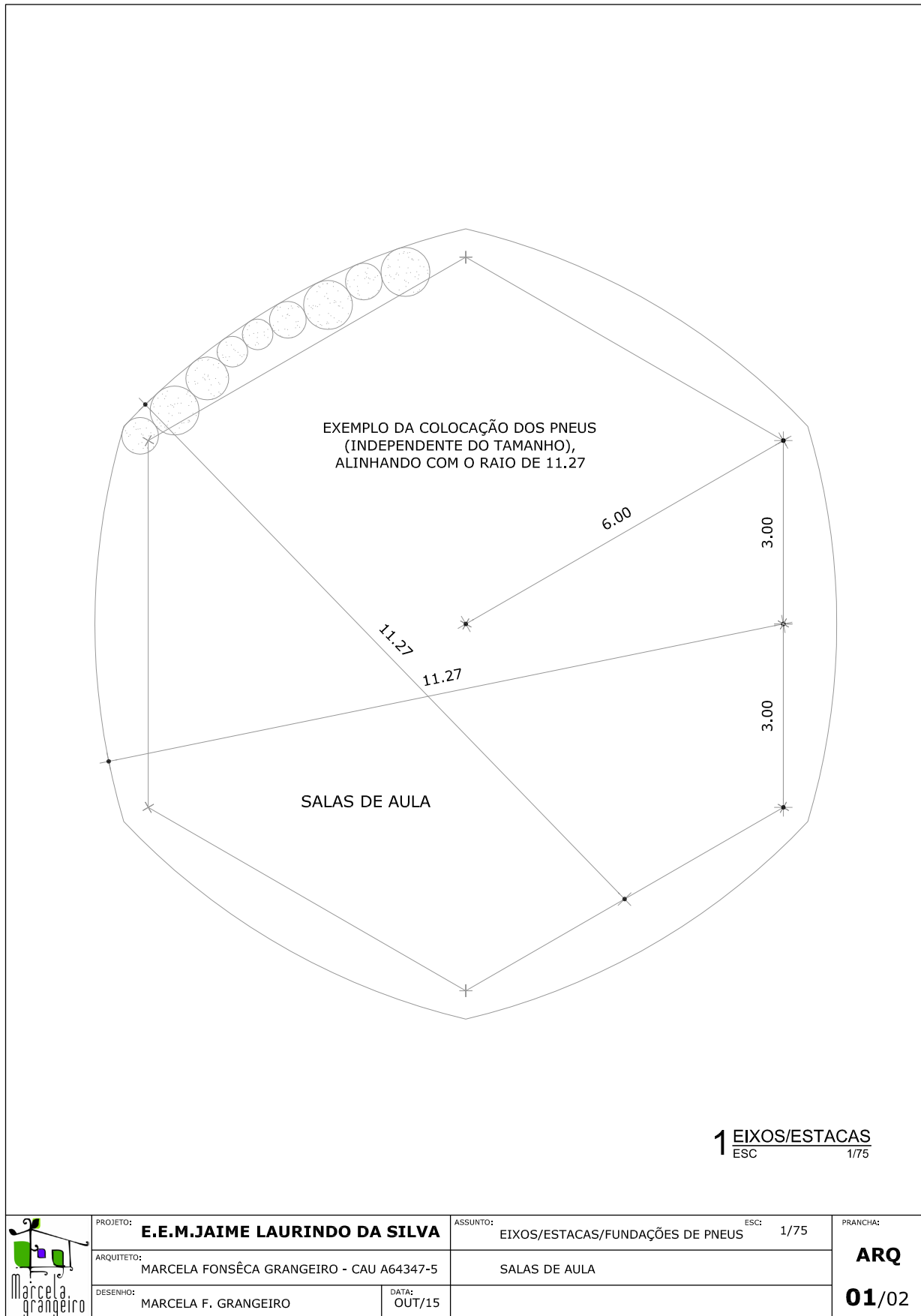
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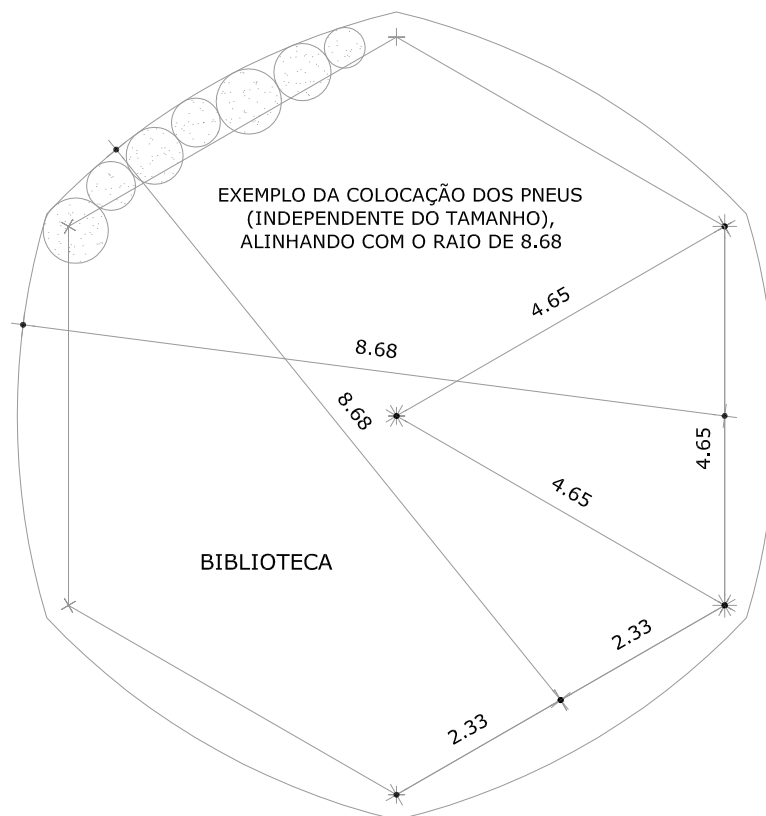
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Planta Telhado - Biblioteca



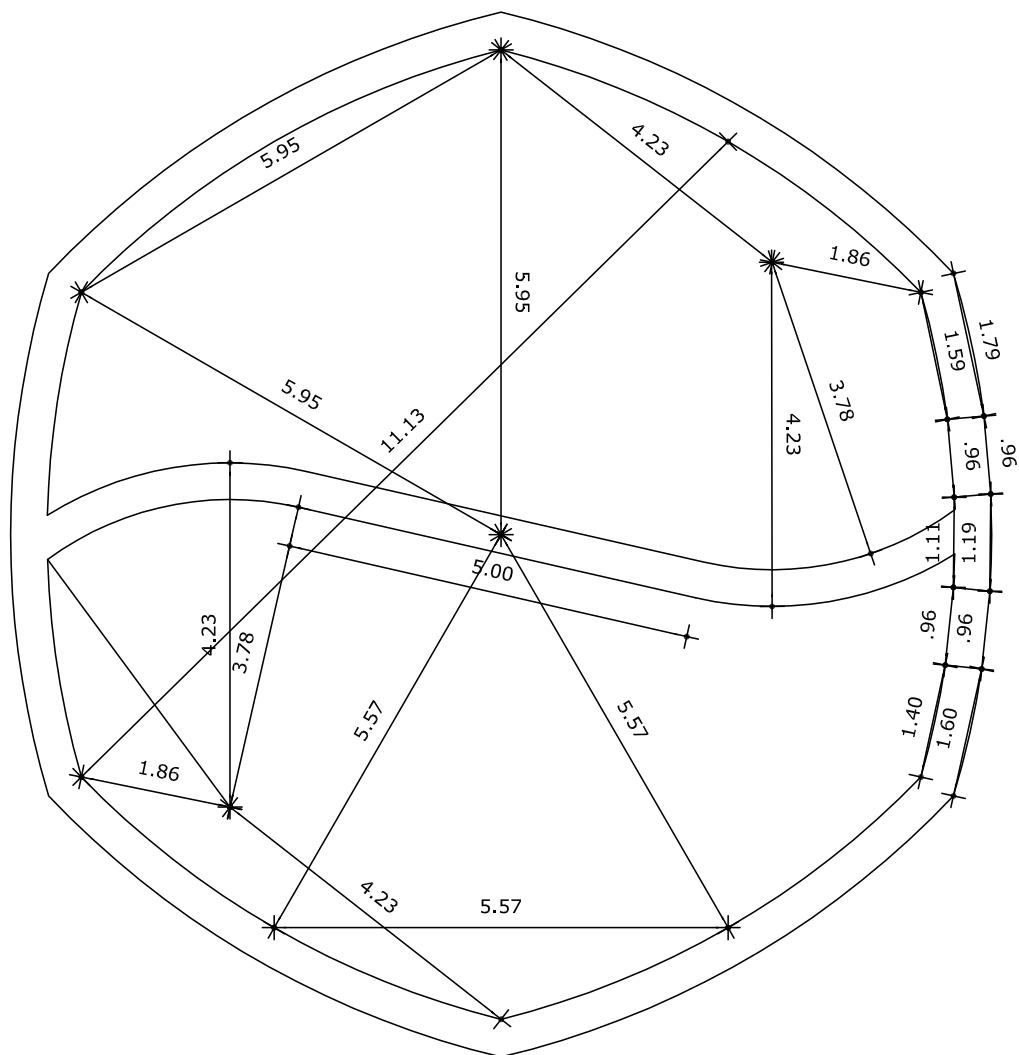
Planta - Fundações - Salas das Aulas



1 EIXOS/ESTACAS
ESC 1/75

	PROJETO:	E.E.M. JAIME LAURINDO DA SILVA	ASSUNTO:	EIXOS/ESTACAS/FUNDAÇÕES DE PNEUS	ESC: 1/75	PRANCHAS:
	ARQUITETO:	MARCELA FONSÊCA GRANGEIRO - CAU A64347-5	BIBLIOTECA			ARQ
	DESENHO:	MARCELA F. GRANGEIRO	DATA:	OUT/15		02/02

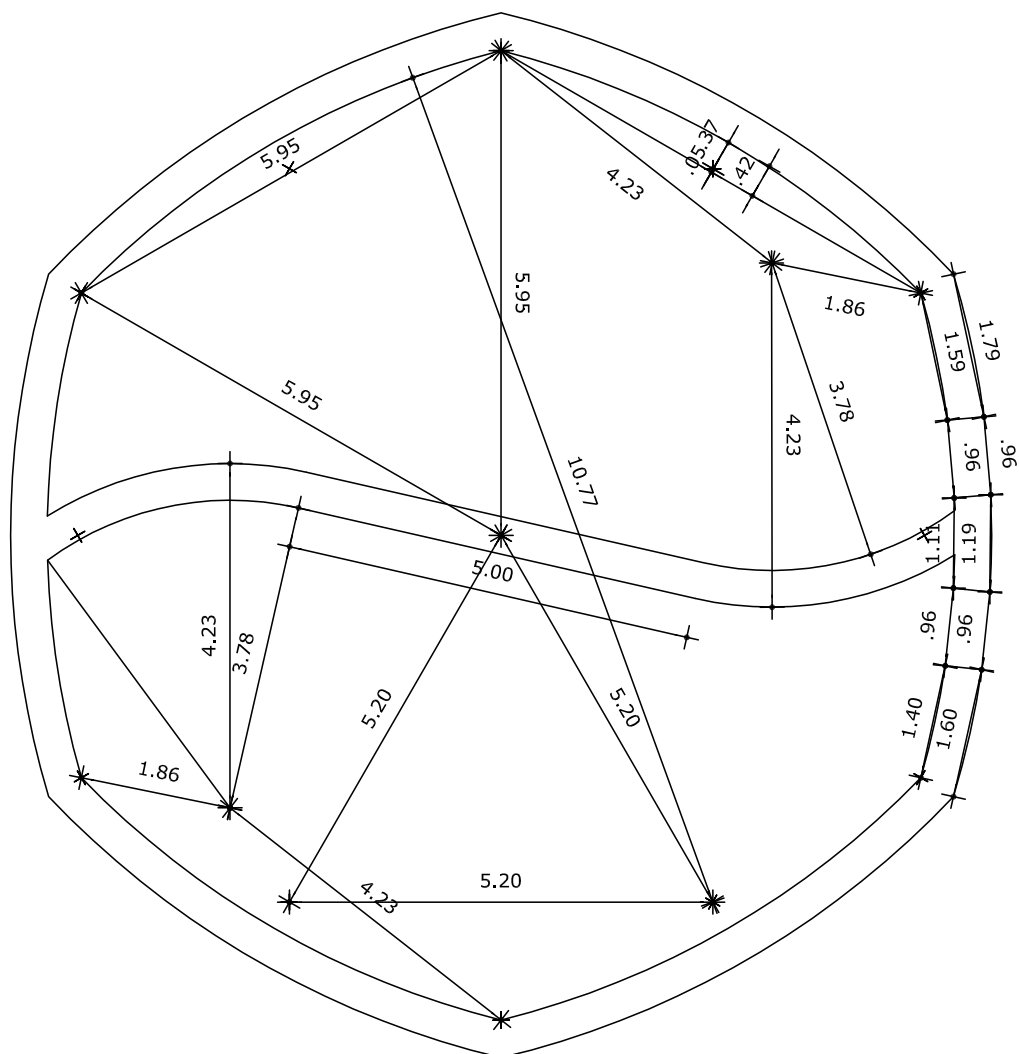
Planta Fundações - Biblioteca



1 EIXOS SUPERADOBE

	PROJETO: E.E.M.JAIME LAURINDO DA SILVA		ASSUNTO: EIXOS SUPERADOBE	ESC: 1/75	PRANCHA: ARQ 01/02
	ARQUITETO: MARCELA FONSÊCA GRANGEIRO - CAU A64347-5		SALAS DE AULA		
	DESENHO: MARCELA F. GRANGEIRO	DATA: NOV/15			

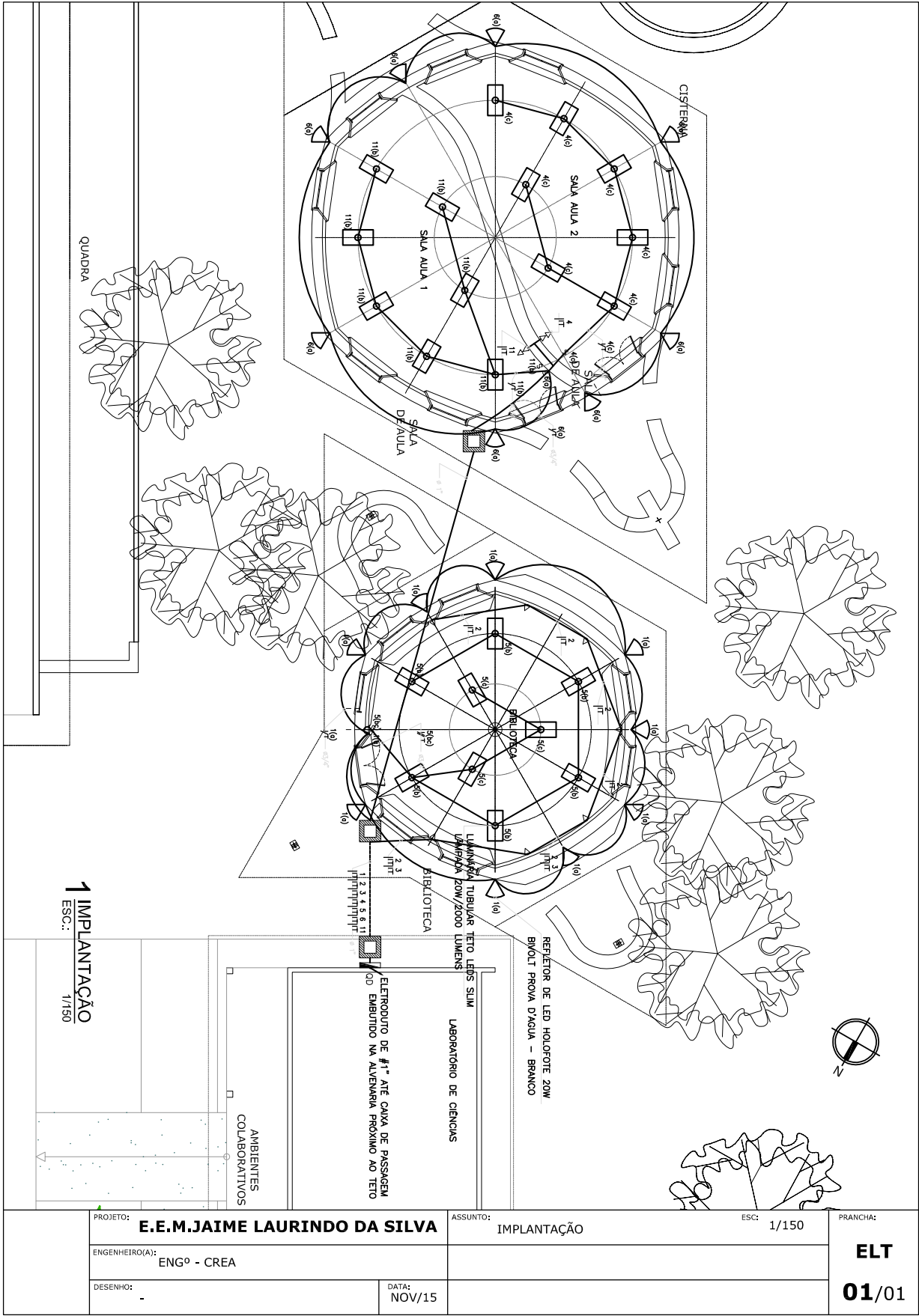
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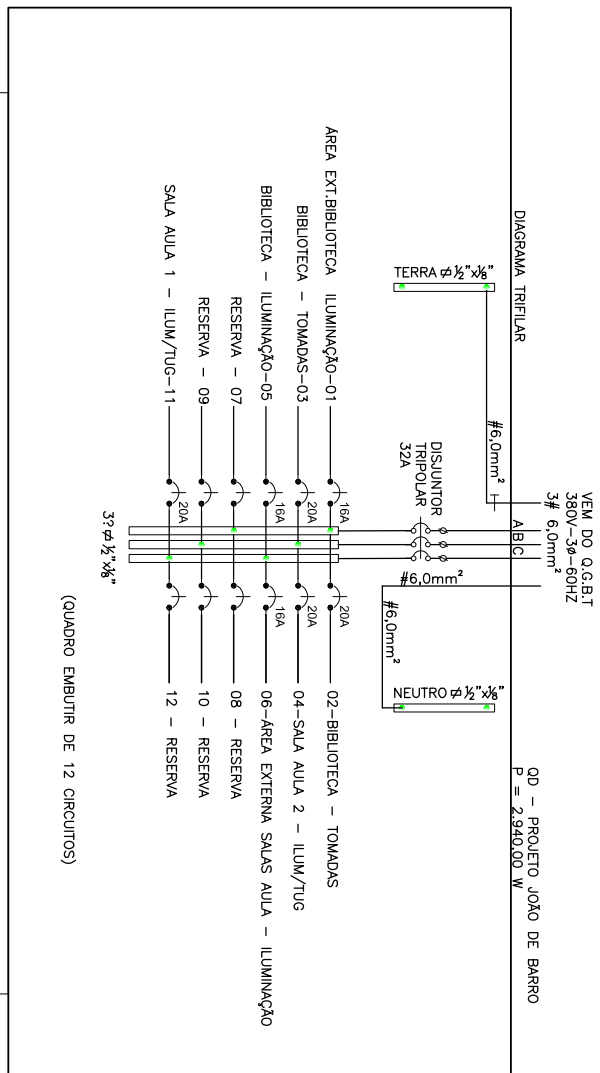
1 EIXOS SUPERADOBE

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	ARQUITETO: MARCELA FONSÊCA GRANGEIRO - CAU A64347-5		SALAS DE AULA		
	DESENHO: MARCELA F. GRANGEIRO	DATA: NOV/15			

Planta Paredes do Superadobe - Salas das Aulas



Planta Eletrica no1

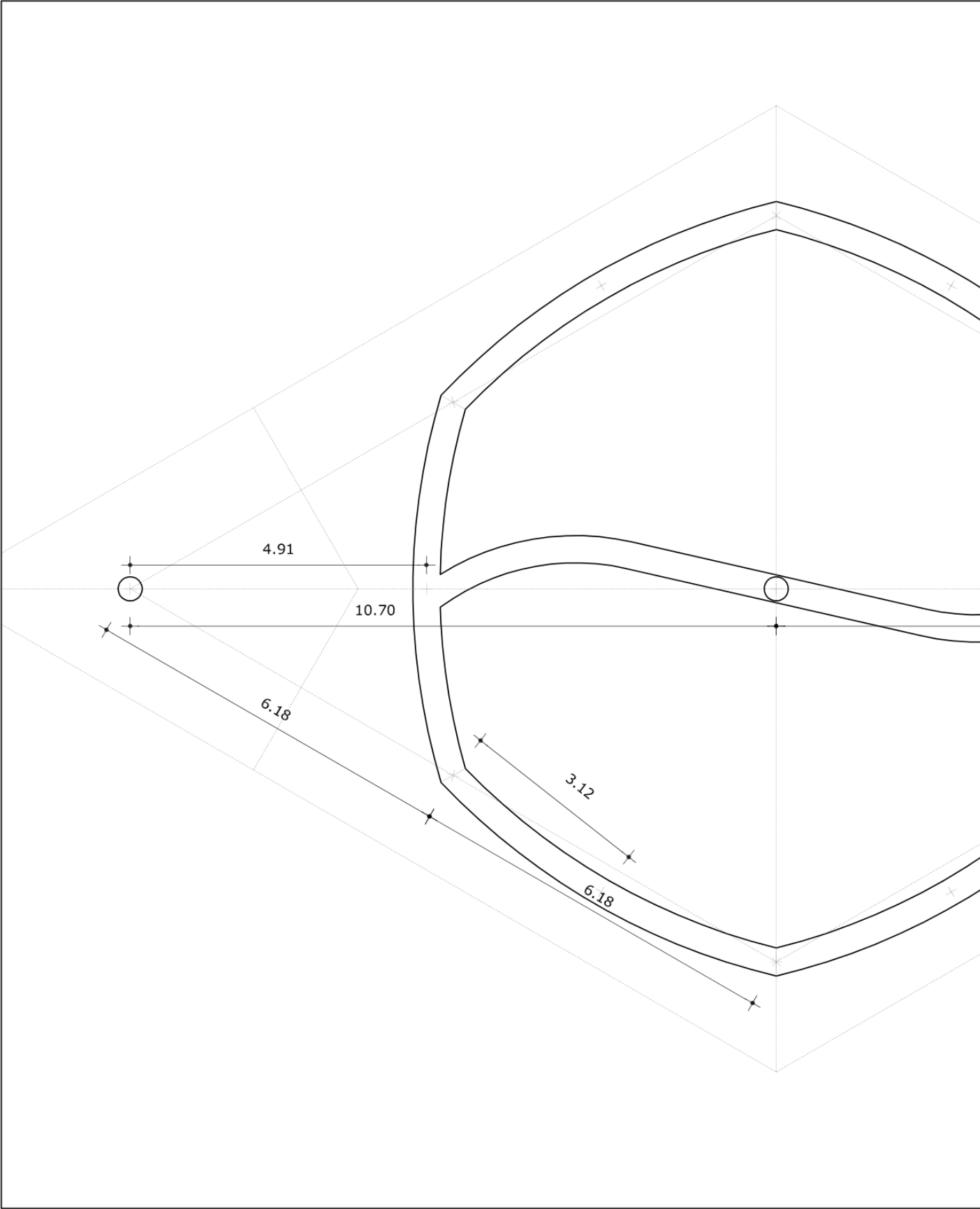


OD – PROJETO JOÃO DE BARRO											
ILUMINAÇÃO (W)		FORÇA (W)				FASE		DISJUNTOR		CABO	
						A/B/C		(A)		MM ²	
CIRC	1x20x2x20	x3x2x3x1	x40x2x40	250	400	1100	1901	3000	4000	6000	10000
01	09										
03											
04	07										
05	09										
06	08										
07	RESERVA										
08	RESERVA										
09	RESERVA										
10	RESERVA										
11	07										
12	RESERVA										
POTENCIA TOTAL INSTALADA (W)						2.940,00		X X X X		3x32A	
										3#6.0(6.0)+16.0mm²	

	PROJETO: E.E.M.JAIME LAURINDO DA SILVA		ASSUNTO: IMPLANTAÇÃO	ESC: 1/150	PRANCHA: ELT 01/01
	ENGENHEIRO(A): ENGº - CREA				
	DESENHO: -	DATA: NOV/15			

PROJETO: E.E.M.JAIME LAURINDO DA SILVA		ASSUNTO: IMPLANTAÇÃO	ESC:	1/150	PRANCHAS:
ENGENHEIRO(A): ENGº - CREA					ELT
DESENHO:		DATA: NOV/15			01/01

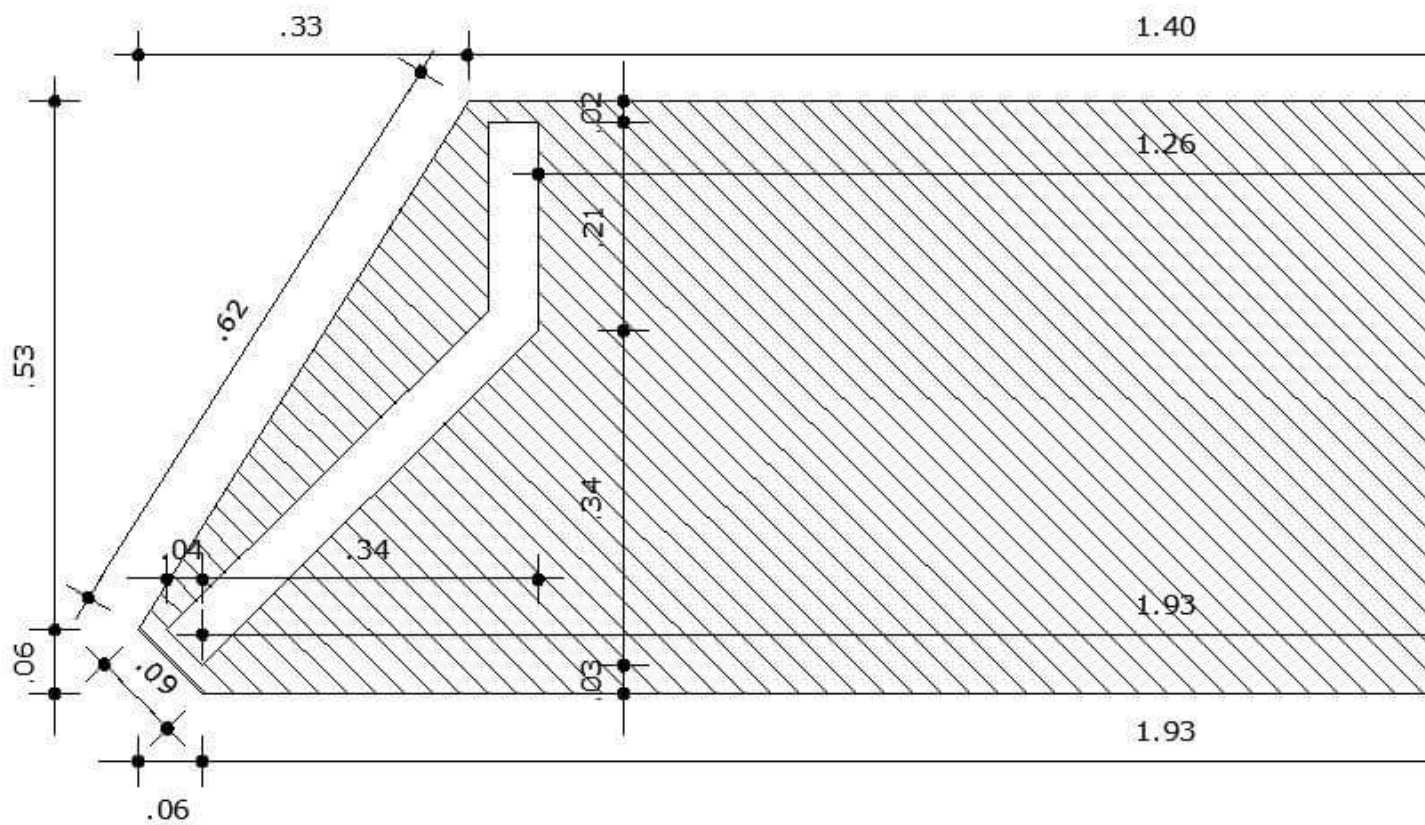
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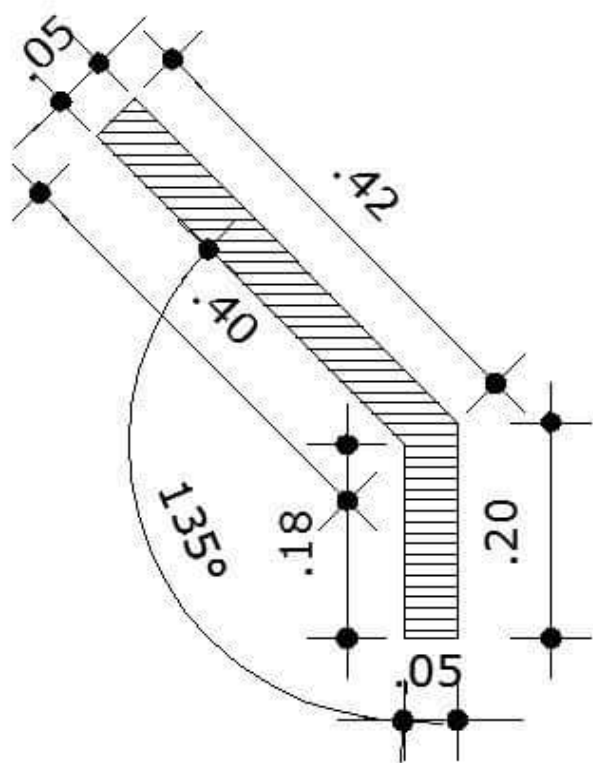
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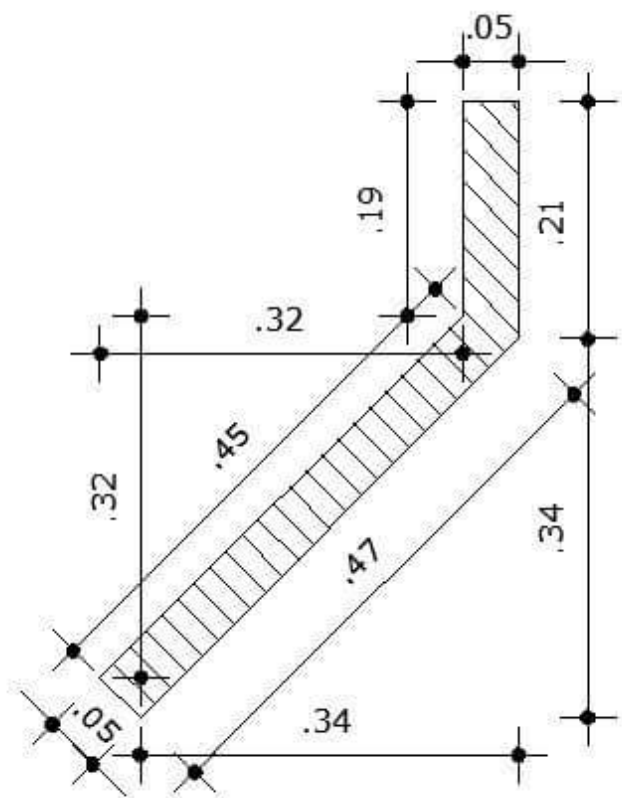
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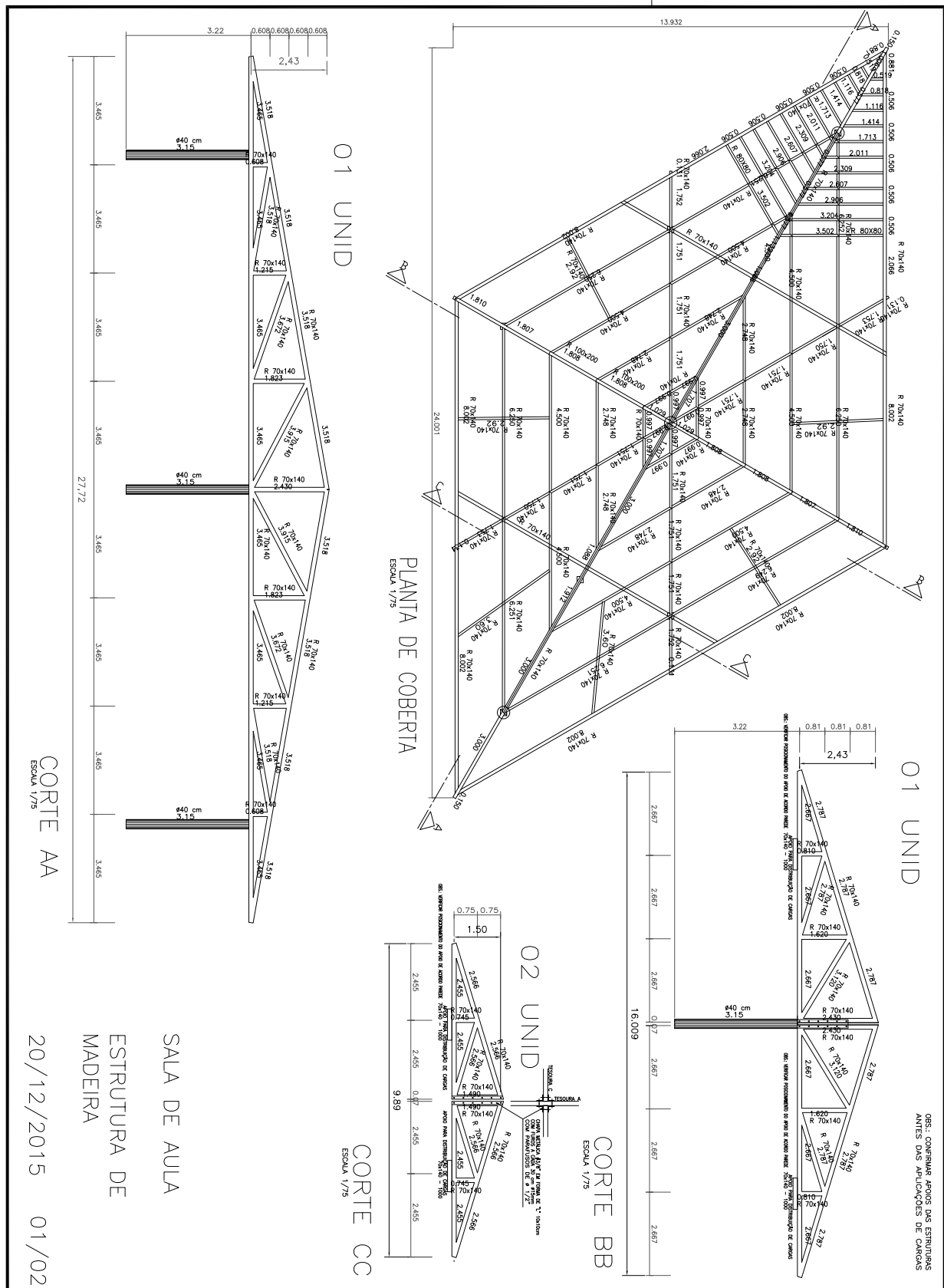
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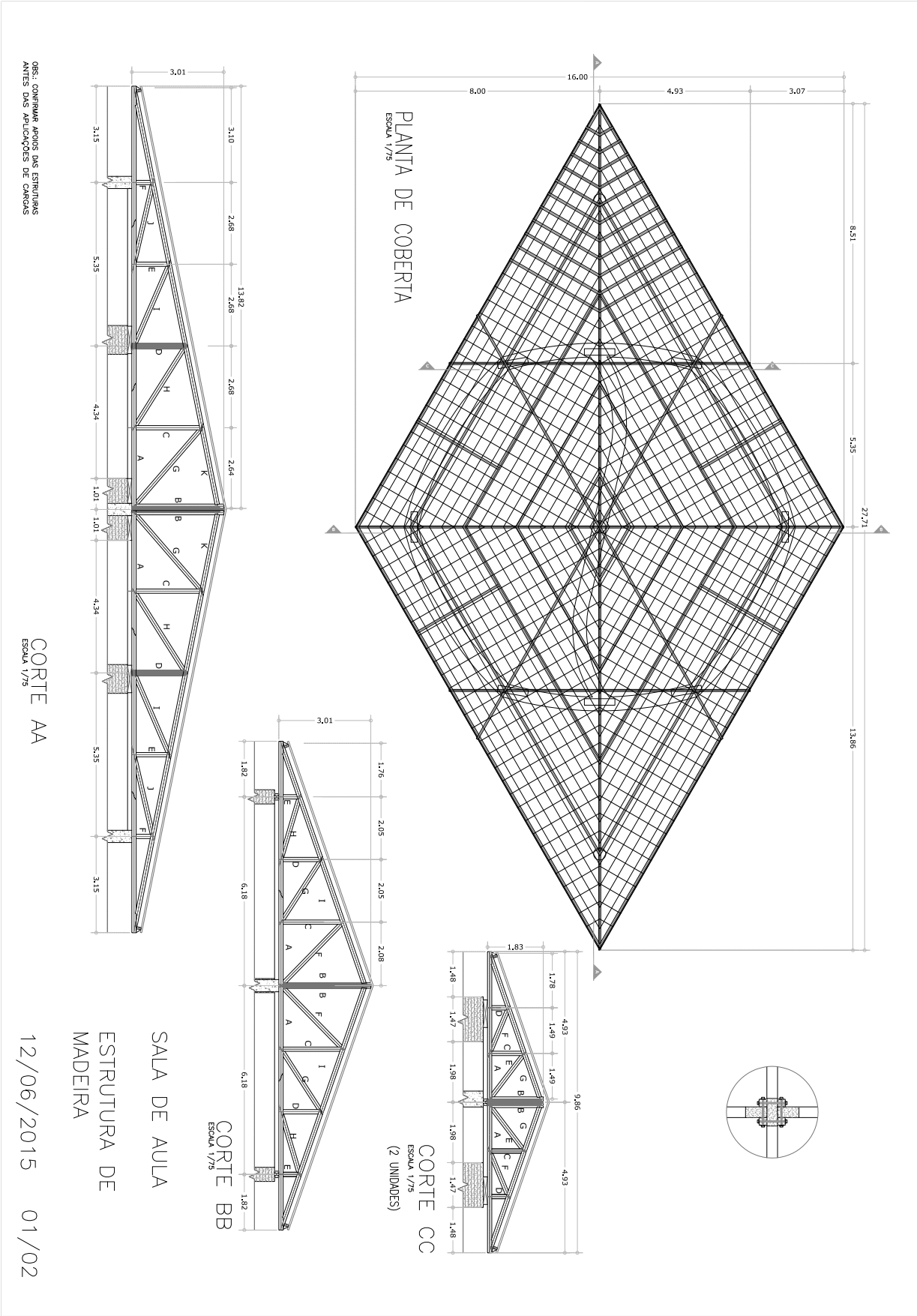


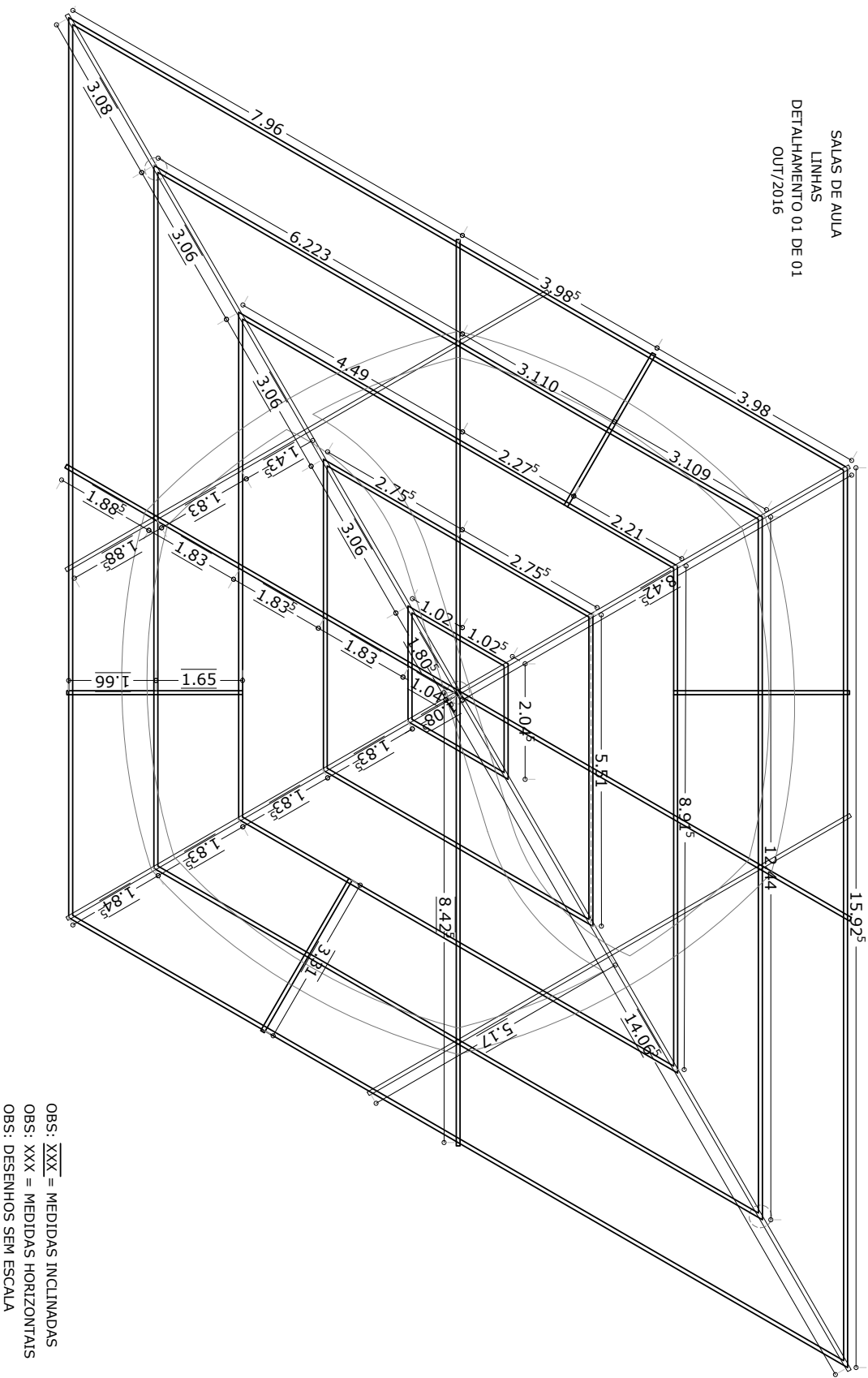
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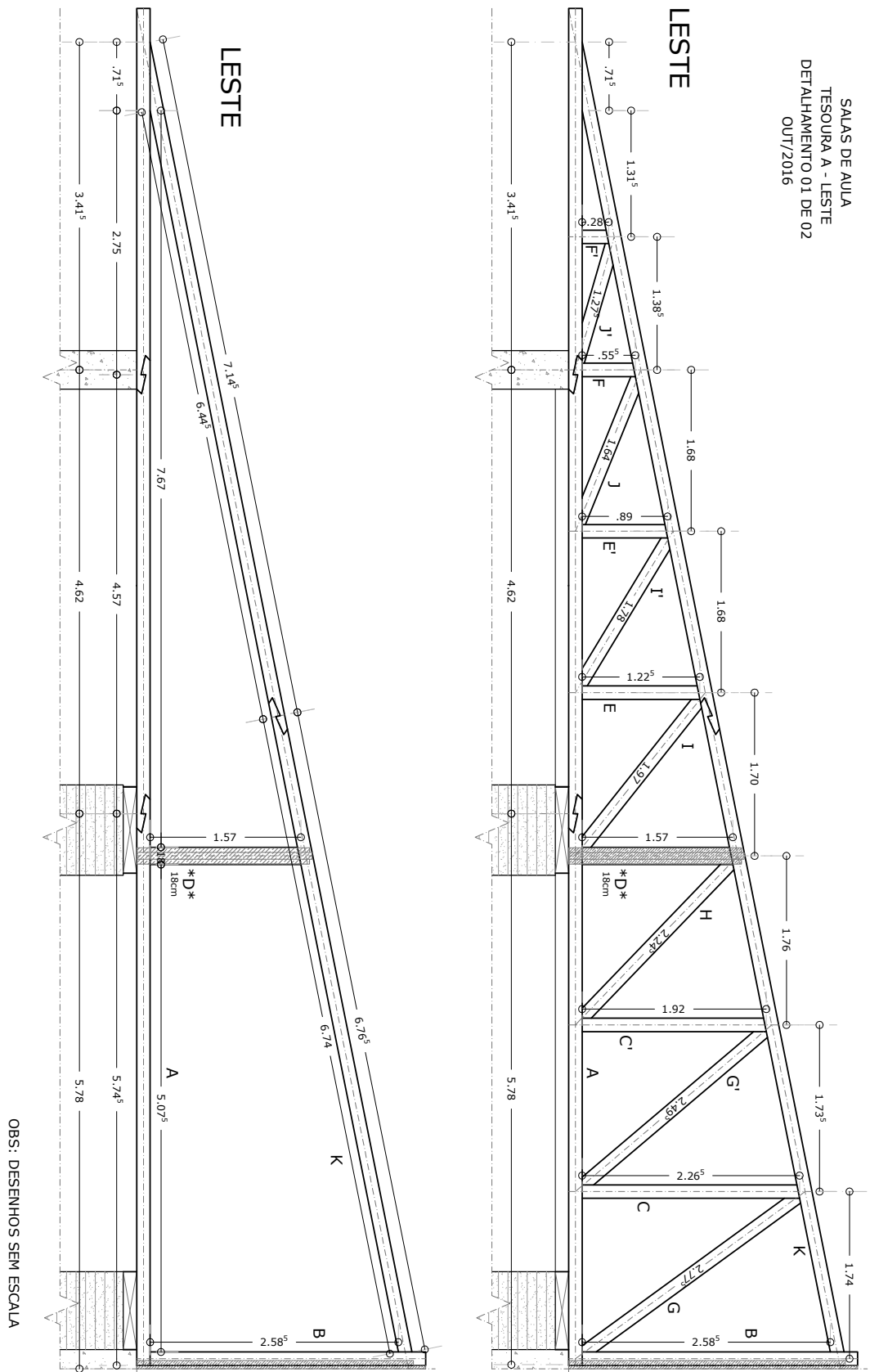
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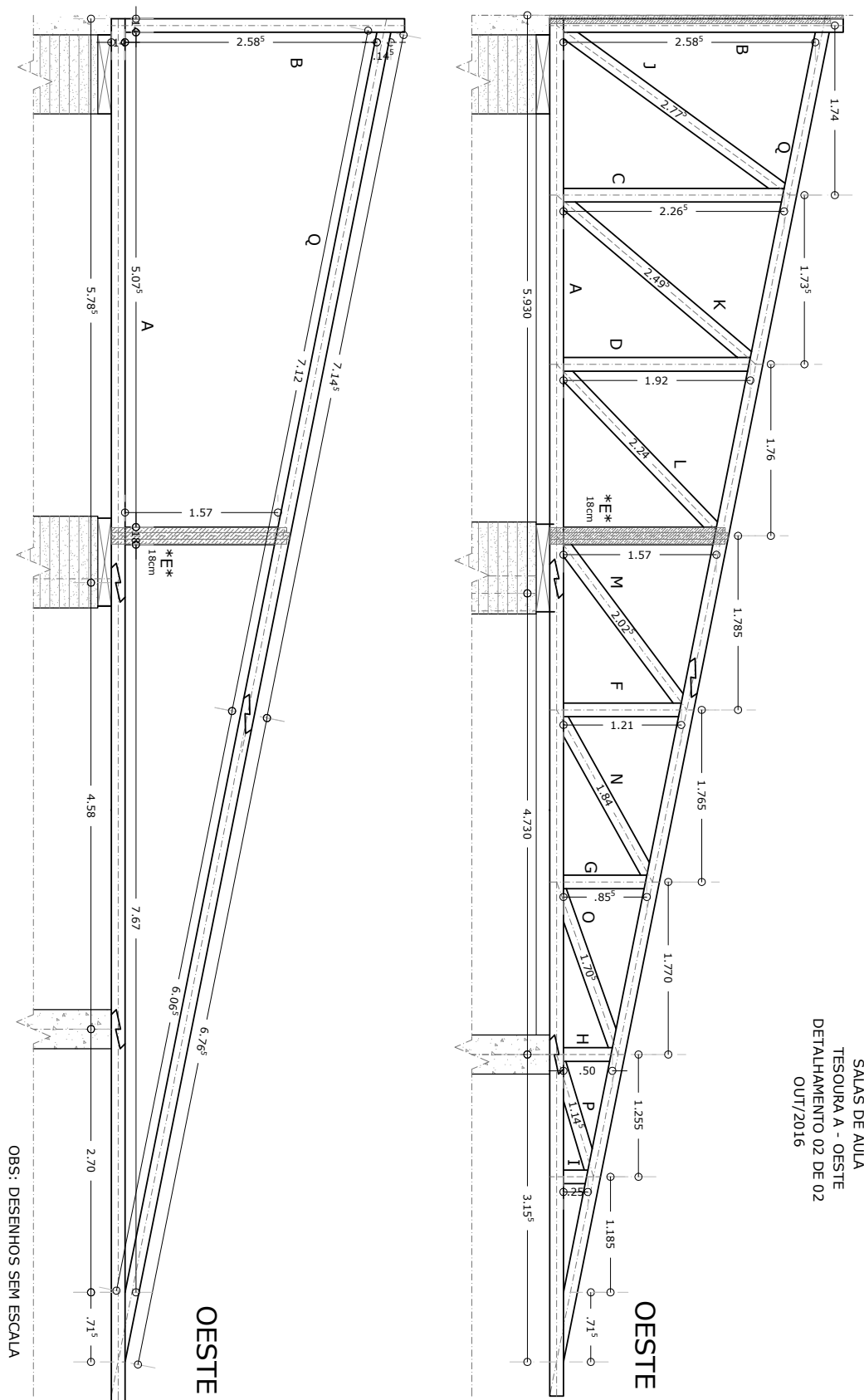




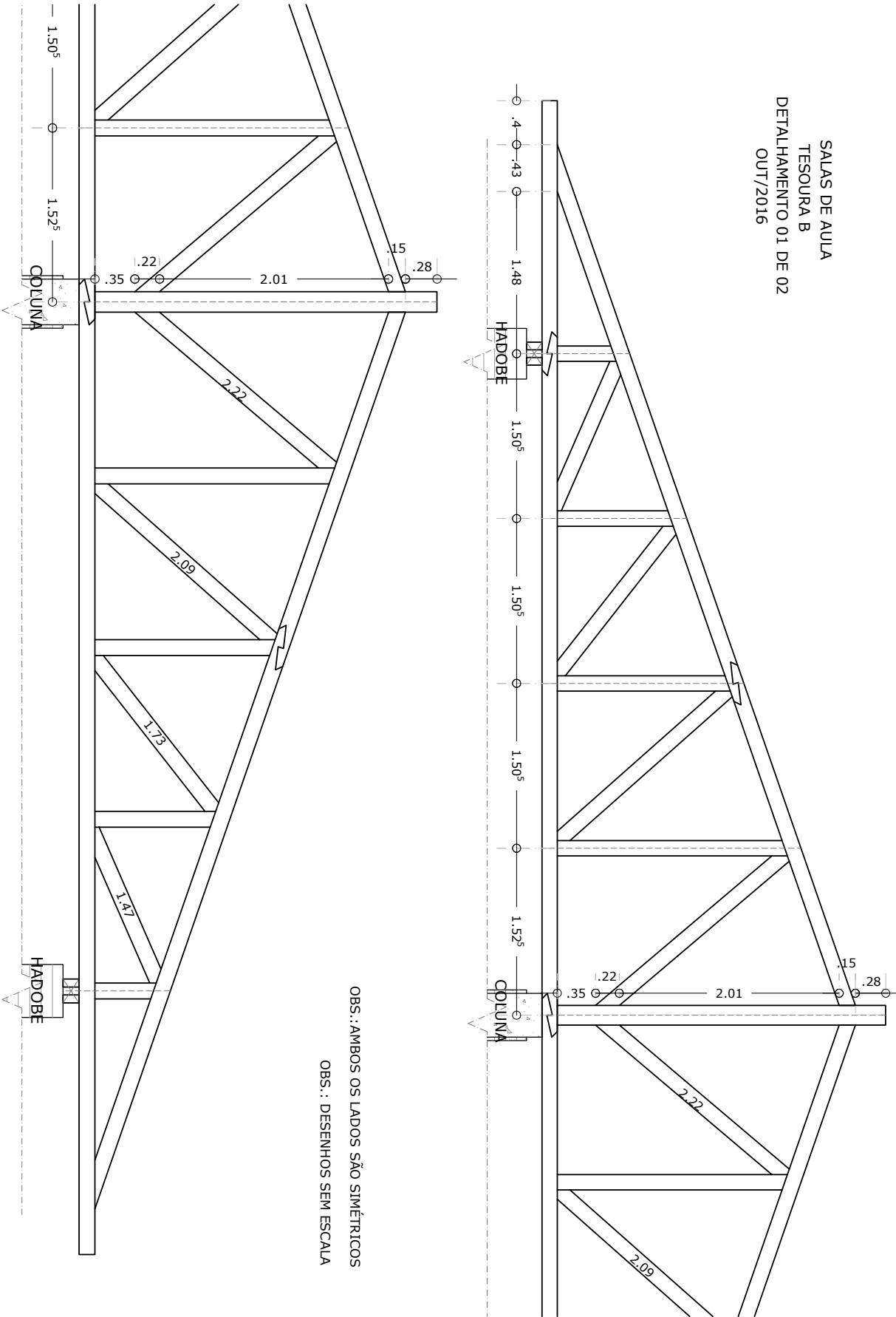
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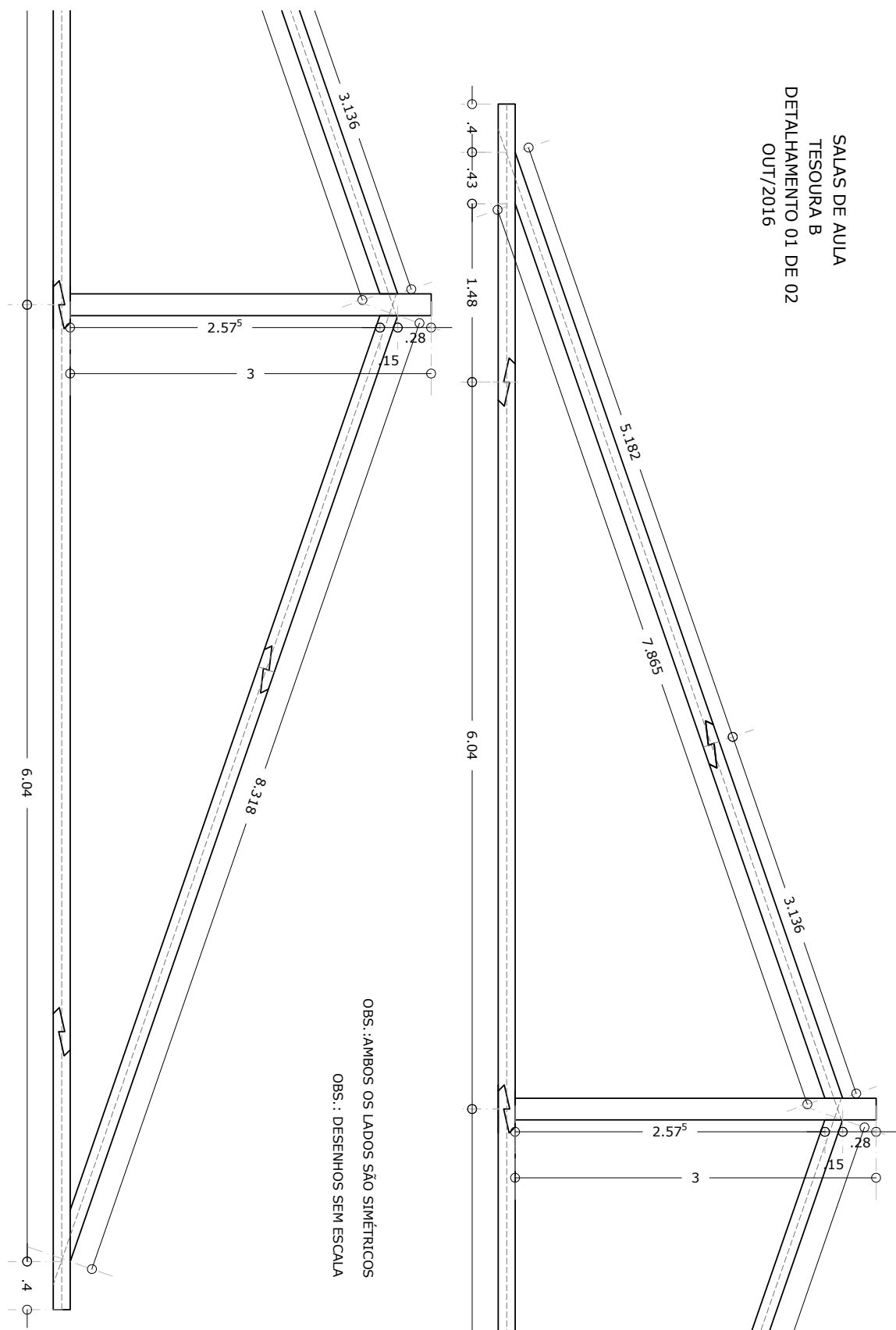
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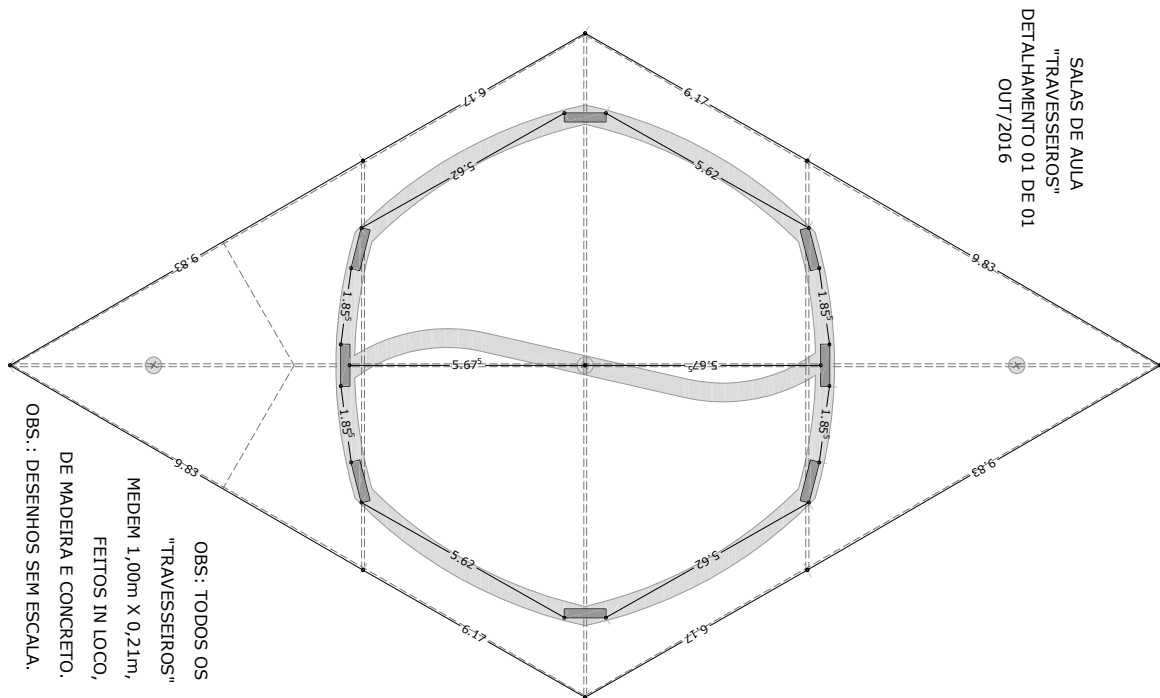
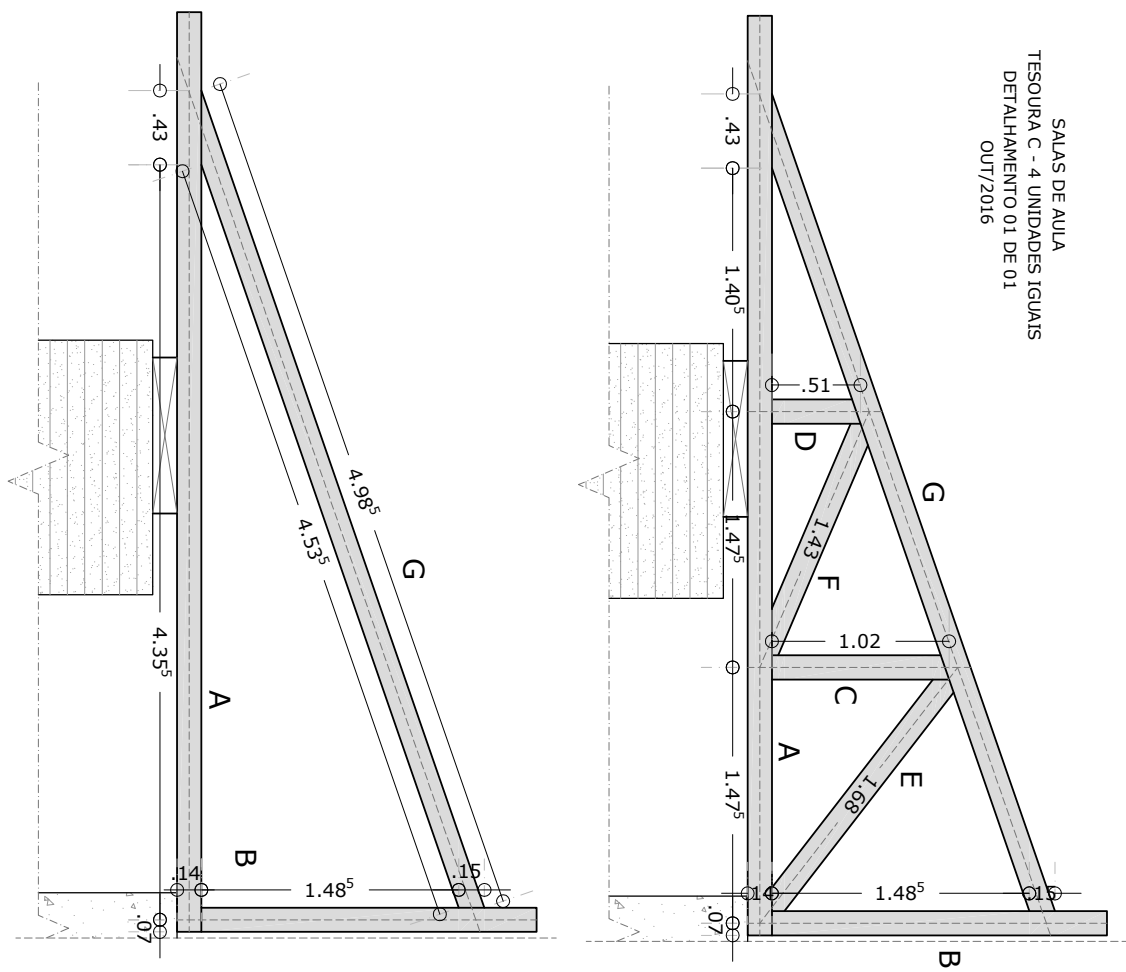
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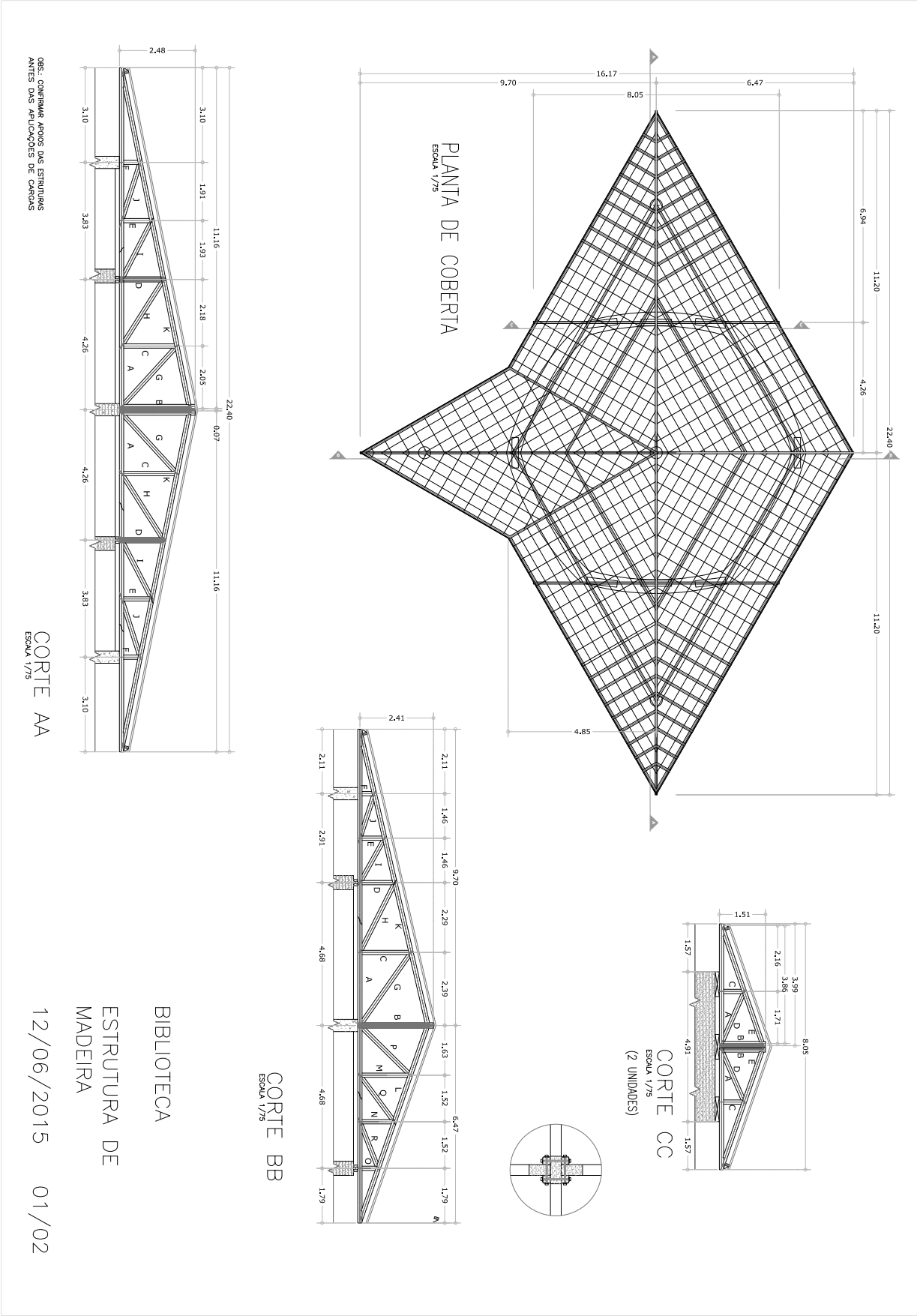
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Planta Tesoura B 02

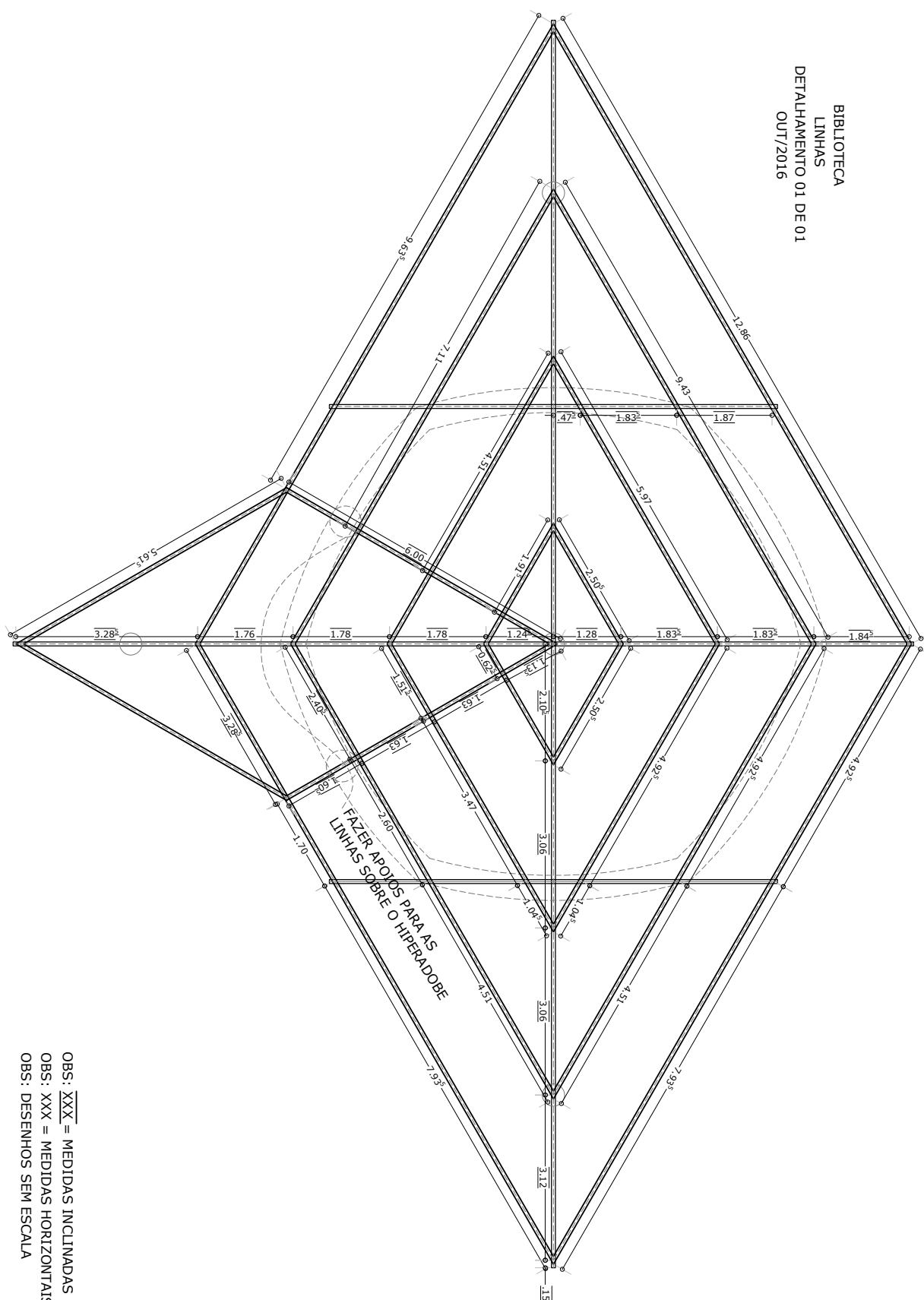


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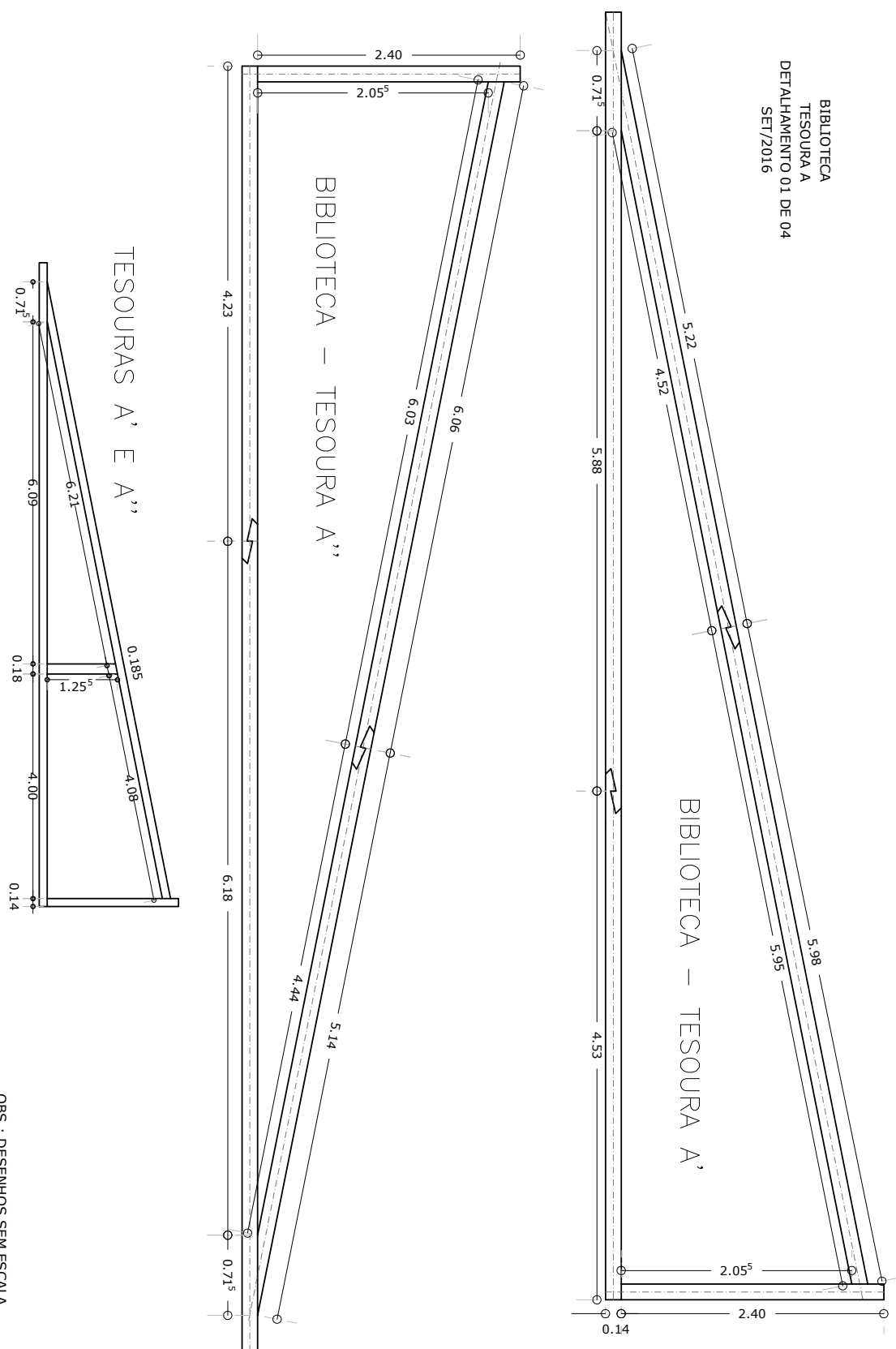


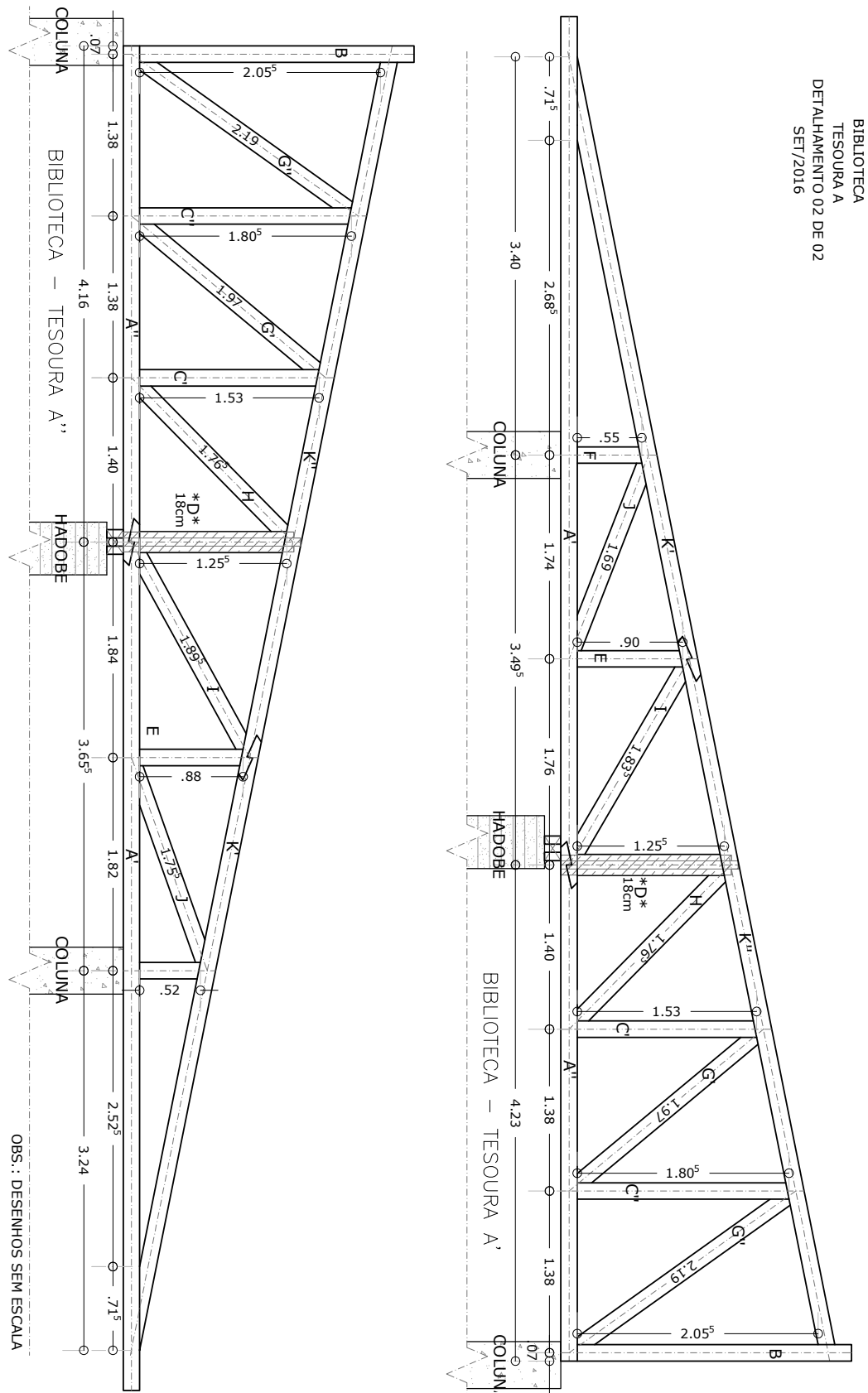
Planta Telaho - Biblioteca

BIBLIOTECA
LINHAS
DETALHAMENTO 01 DE 01
OUT/2016

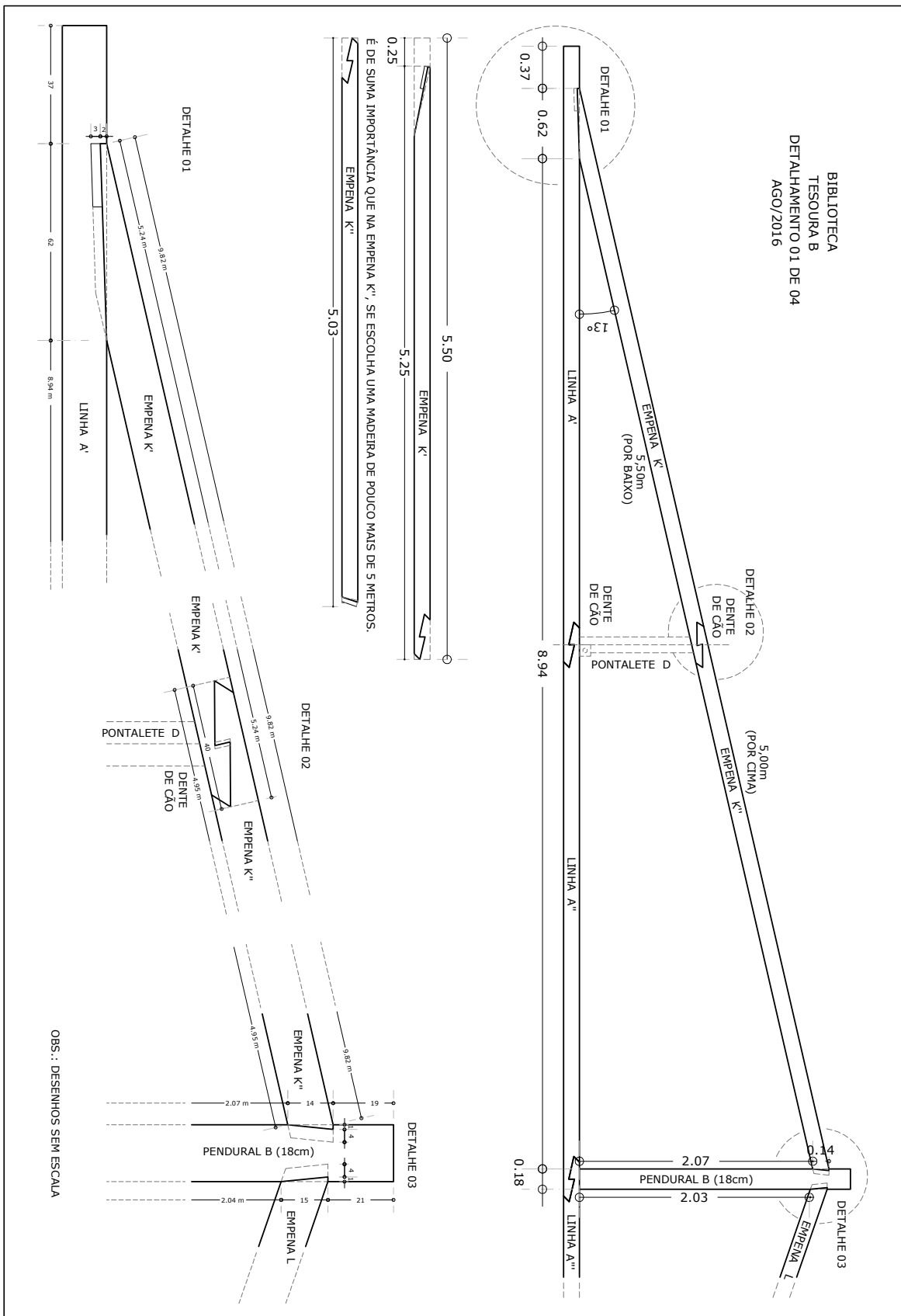


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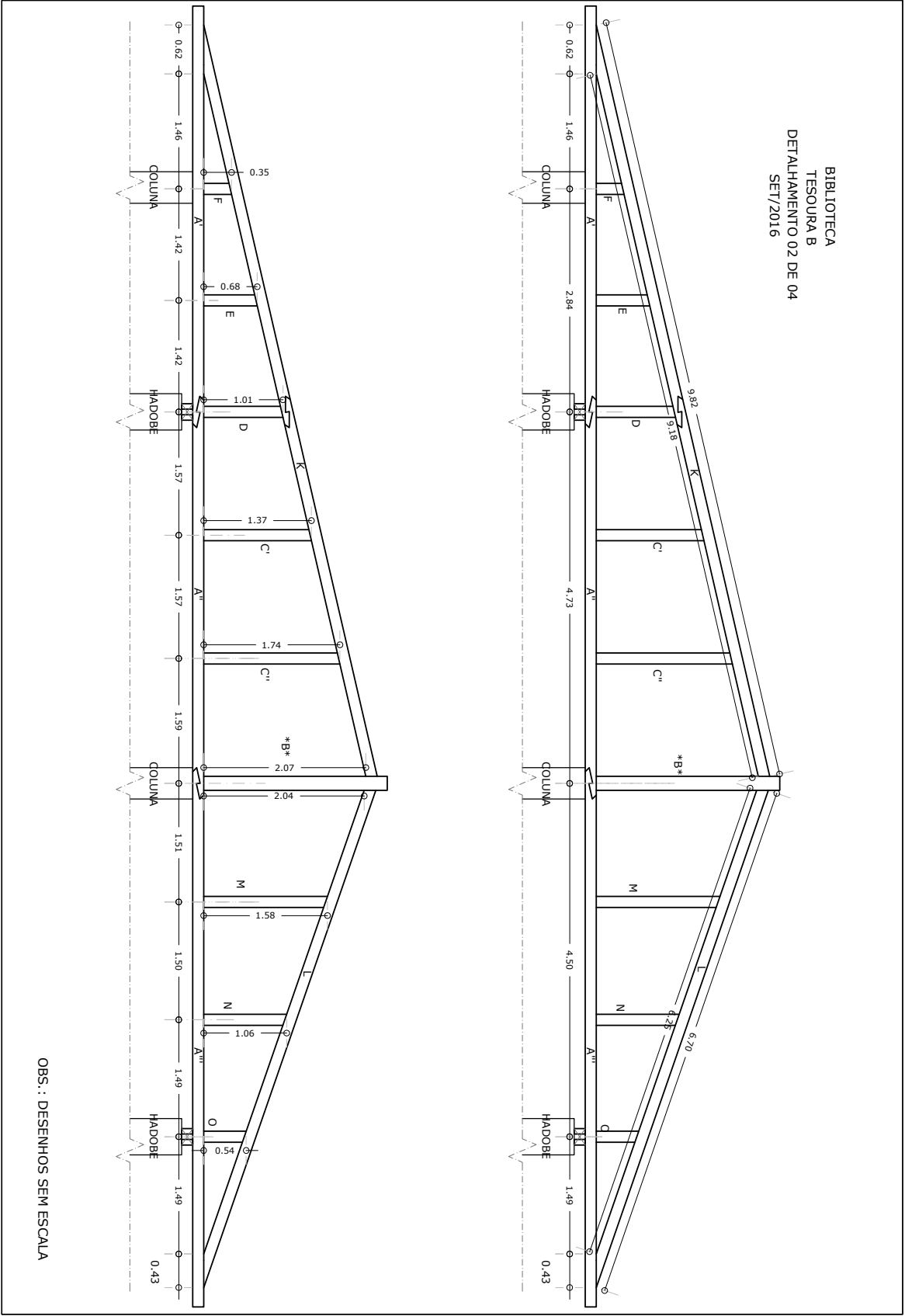




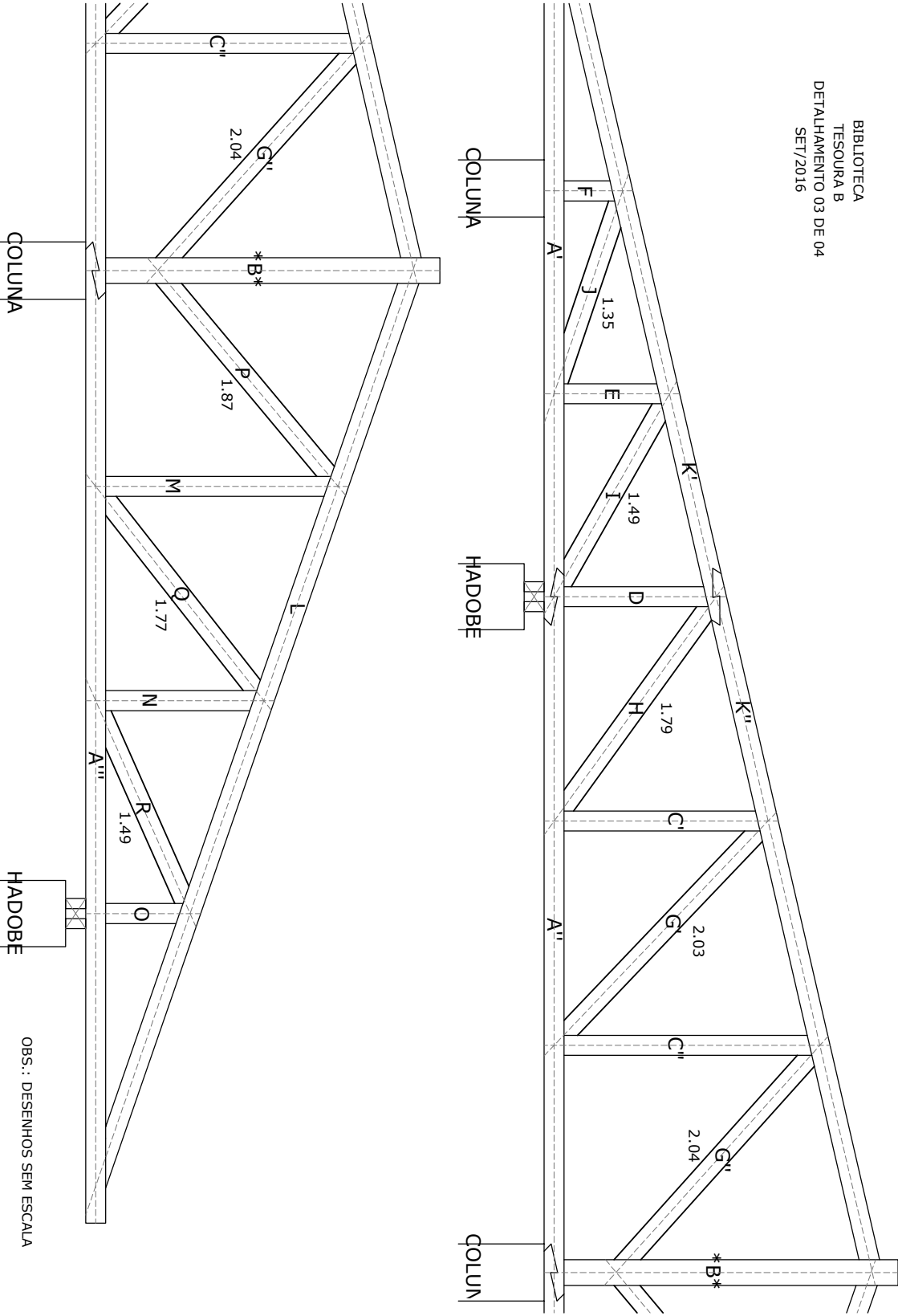
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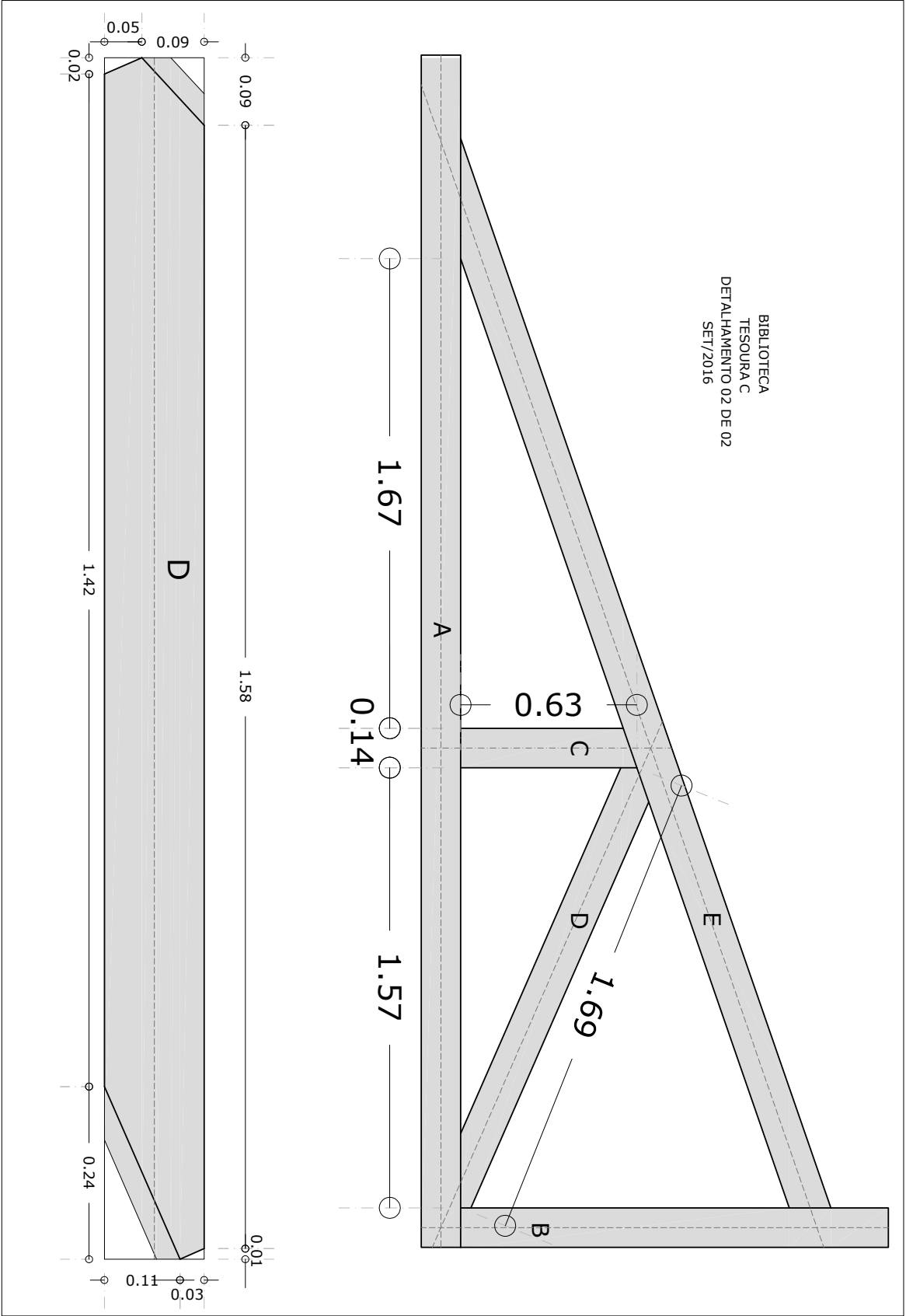
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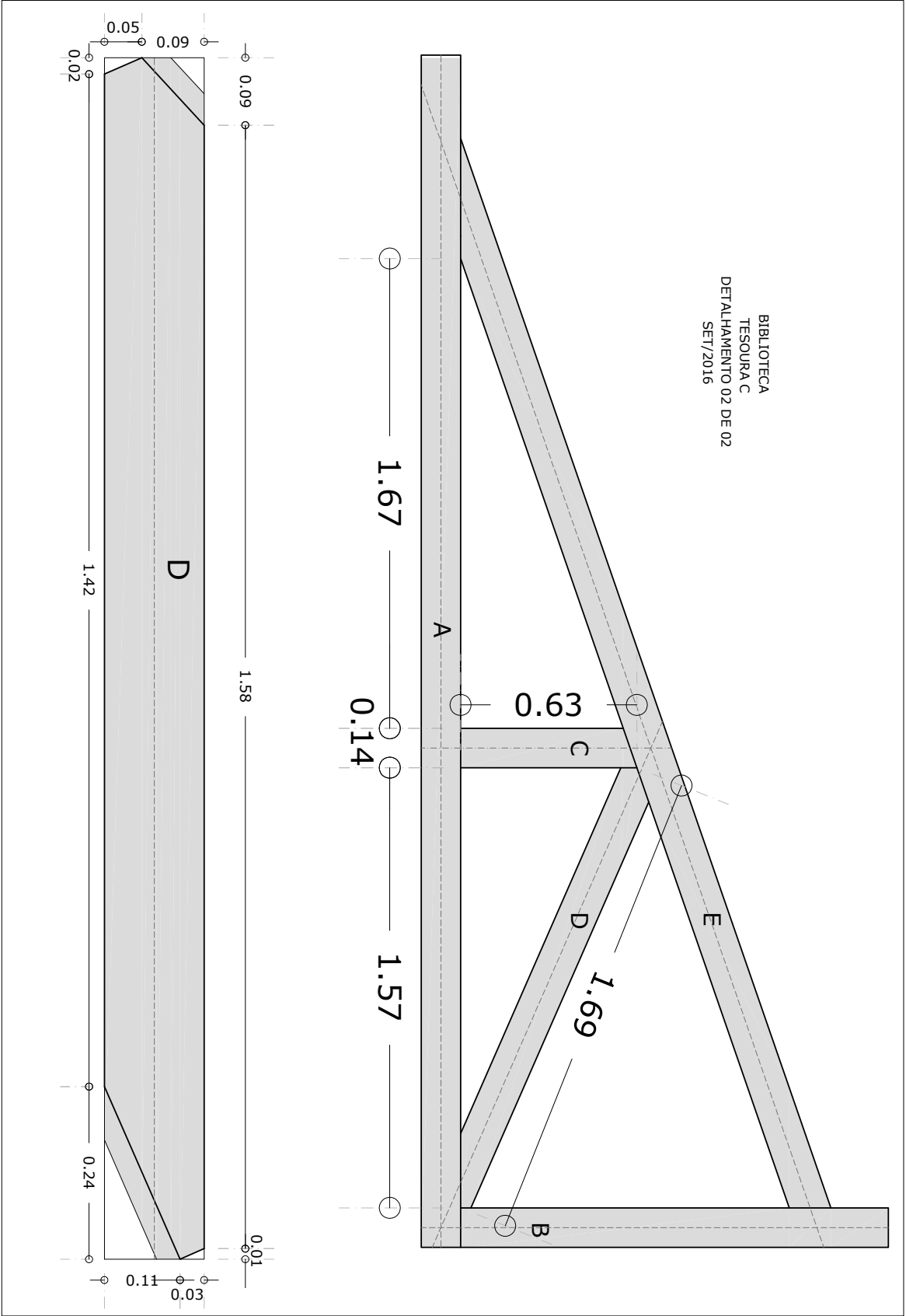
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Planta Tesoura B 03 - Biblioteca



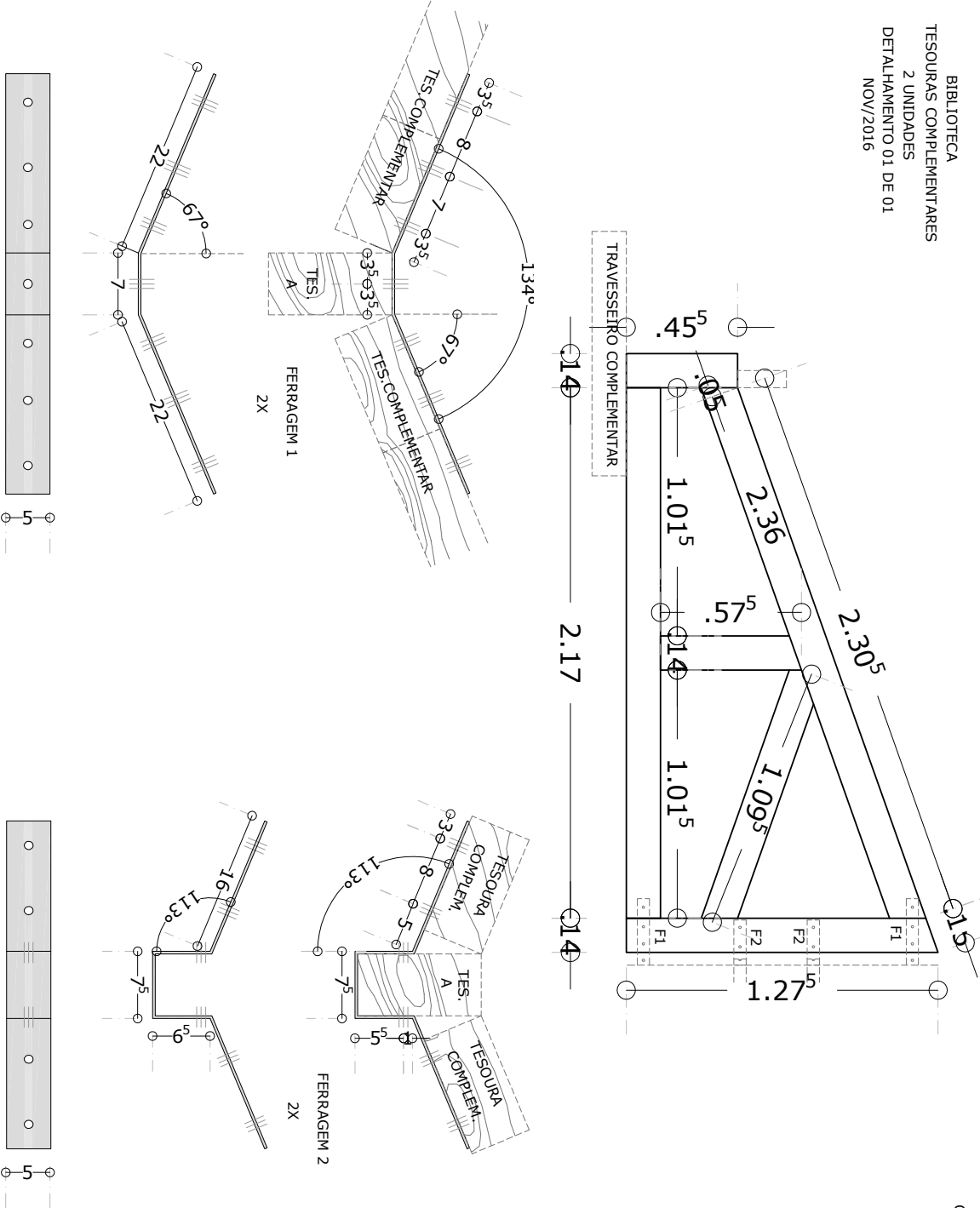
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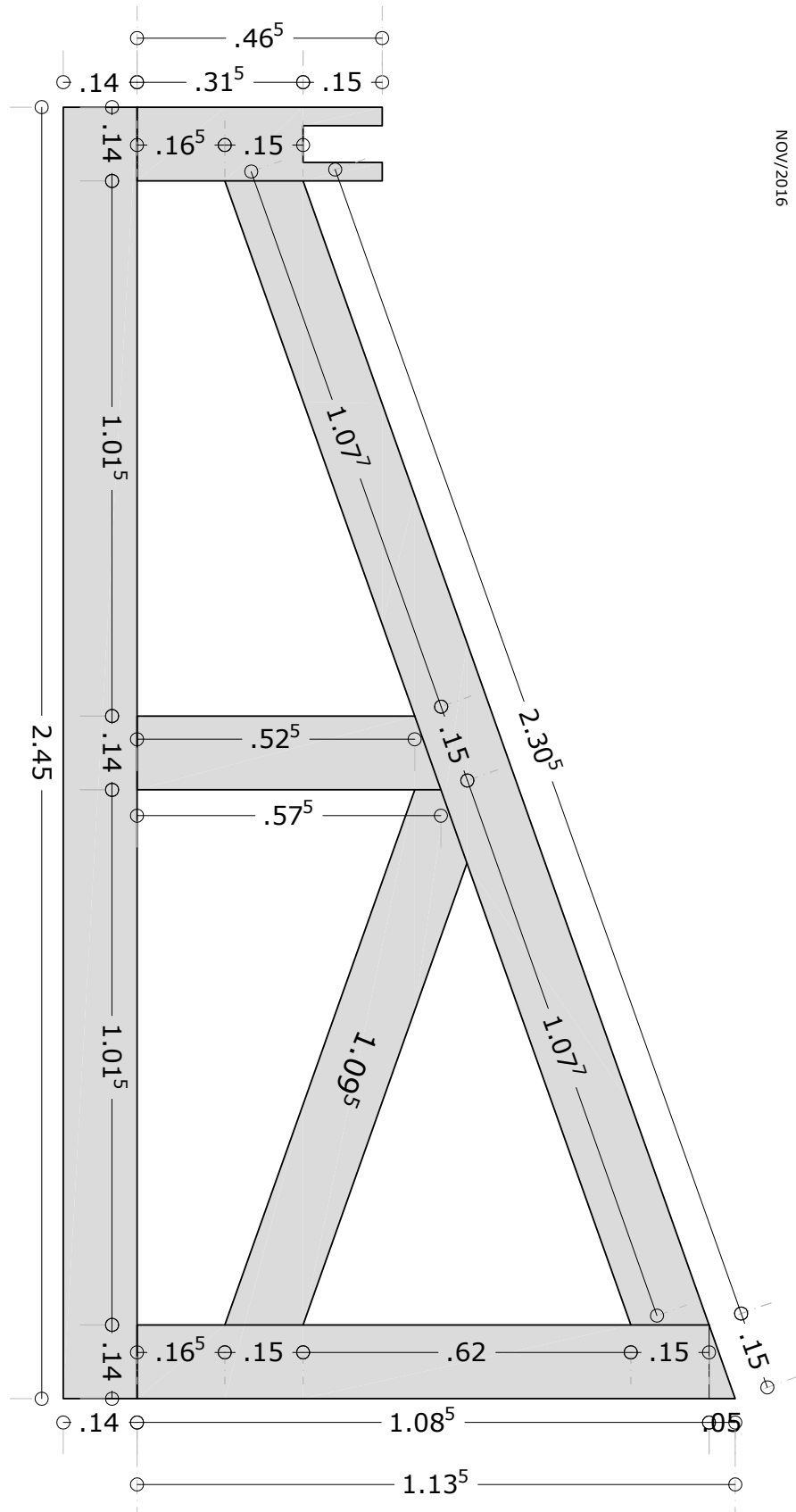
Planta Tesoura C 02 - Biblioteca

BIBLIOTECA
TESOURAS COMPLEMENTARES
2 UNIDADES
DETALHAMENTO 01 DE 01
NOV/2016

OBS: DESENHOS SEM ESCALA



Planta Tesoura Complementario 01 - Bibli-
oteca

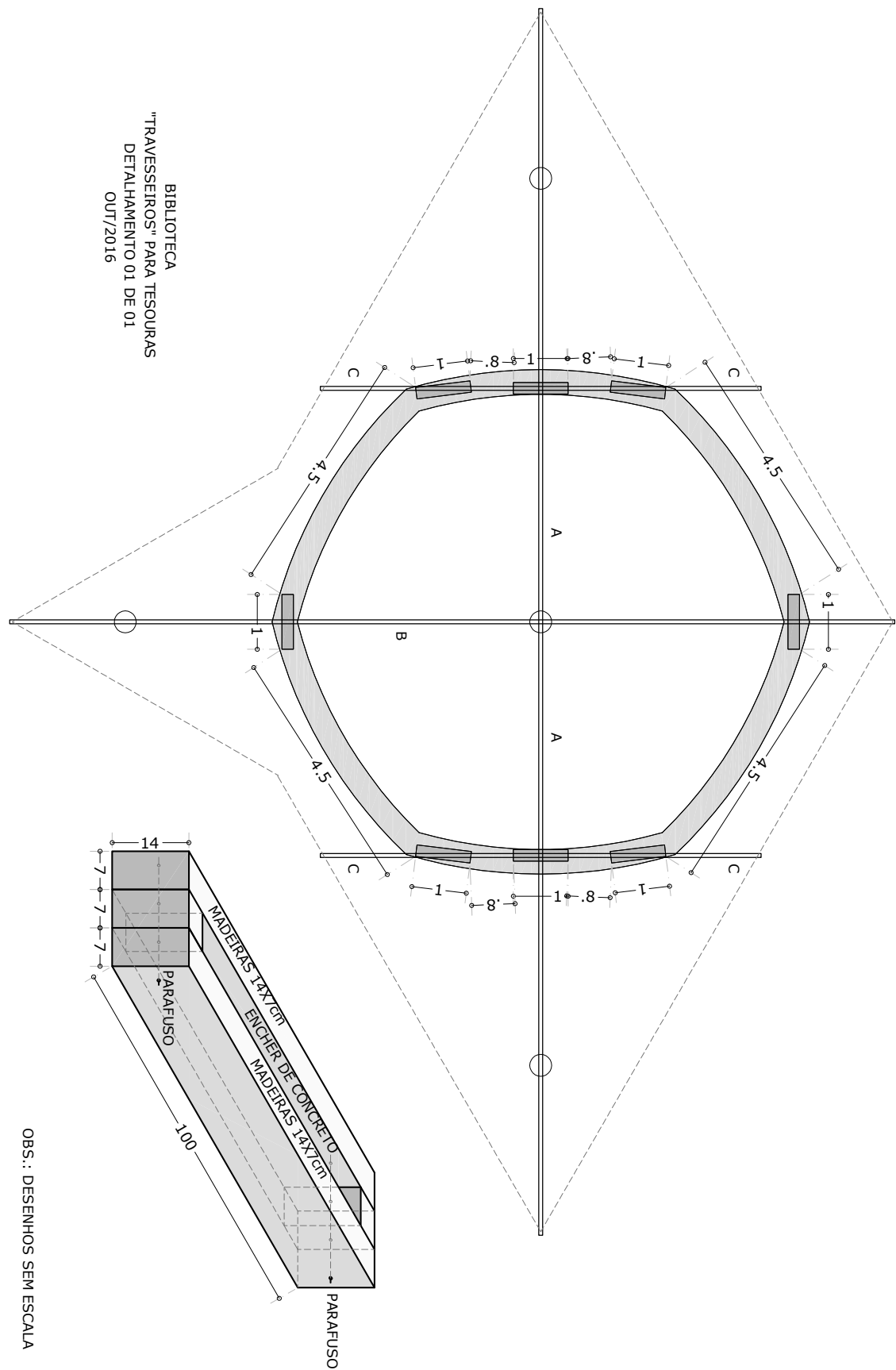


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TESOURAS COMPLEMENTARES
2 UNIDADES
DETALHAMENTO 01 DE 02
NOV/2016

OBS: DESENHOS SEM ESCALA

Planta Tesoura Complementario 02 - Bibli-
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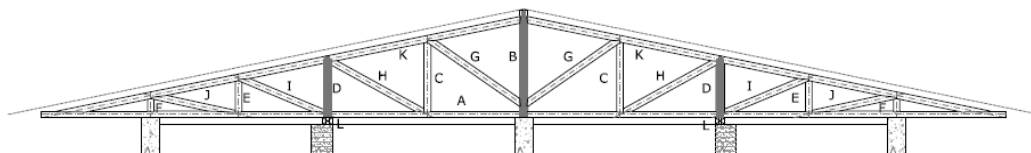
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PROJETO JOÃO DE BARRO/PERMACULTURA NAS ESCOLAS
E.E.M. JAIME LAURINDO DA SILVA – BARROQUINHA/CE

QUANTITATIVOS DE MADEIRAMENTO PARA COBERTAS

1. BIBLIOTECA

1.1. TESOURA A (01 unidade)



1.1.1. LINHA 70x140

PEÇA	MED. MIN. (m)	+ MARGEM (m)	REPETE	EMENDA	SUBTOTAL (m)
A*	11,17	11,80*	2	1	23,60
B	2,34	2,60	2	-	5,20
C	1,69	1,90	2	-	3,80
E	0,87	2,10	2	-	4,20
F	0,49	0,70	2	-	1,40
G	2,51	2,70	2	-	5,40
H	2,38	2,60	2	-	5,20
I	1,97	2,20	2	-	4,40
J	1,84	2,10	2	-	4,20
K*	11,23	*11,80	2	1	23,60
Apoios	2,00	2,20	8	-	17,60
TOTAL A					98,60

A* possui 1 emenda, com 2 peças que medem 6,05m e 5,29m;

K* possui 1 emenda, com 2 peças que medem 5,13m e 6,23m.

Cada "travesseiro" para as tesouras precisa de 2 peças de 1,00m, 0,01m³ de concreto e 2 parafusos 3/8".

1.1.2. LINHA 70x180

PEÇA	MED. MIN. (m)	+ MARGEM (m)	REPETE	EMENDA	SUBTOTAL (m)
D ¹⁸	1,26	1,50	2	-	3,00
TOTAL B					3,00

1.1.3. CAIBRO 50x50

PEÇA	MED. MIN. (m)	+ MARGEM (m)	REPETE	EMENDA	SUBTOTAL (m)
B ^C	2,35	2,60	4	-	10,40
D ^C	1,45	1,70	8	-	13,60

Madeiramento

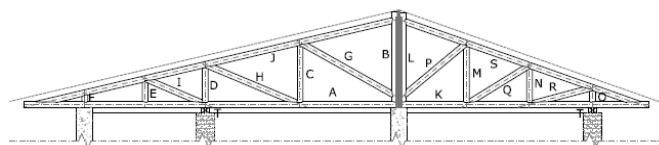
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TOTAL C	24,00
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1.1.4. DEMAIS MATERIAIS

- Concreto para os apoios: 0,1m³
- Parafusos 3/8": 100un

1.2 TESOURA B (01 unidade)



1.2.1. LINHA 70x140

PEÇA	MED. MIN. (m)	+ MARGEM (m)	REPETE	EMENDA	SUBTOTAL (m)
A*	16,17	17,80*	-	2	17,80
C	1,56	1,80	-	-	1,80
D	1,03	1,20	-	-	1,20
E	0,67	1,90	-	-	1,90
F	0,36	0,60	-	-	0,60
G	2,72	3,00	-	-	3,00
H	2,38	2,60	-	-	2,60
I	1,49	1,70	-	-	1,70
J	1,37	1,60	-	-	1,60
K*	9,82	10,40*	-	1	10,40
L	1,54	1,80	-	-	1,80
M	1,01	1,20	-	-	1,20
N	0,49	0,70	-	-	0,70
O	2,13	2,30	-	-	2,30
P	1,72	1,90	-	-	1,90
Q	1,47	1,70	-	-	1,70
R*	6,60	7,30*	-	-	7,30
TOTAL D					59,50

A* possui 2 emenda, com 3 peças que medem 6,40m, 5,98m e 4,40m.

K* possui 1 emenda, com 2 peças que medem 5,18m e 4,81m.

R* possui 1 emenda, com 2 peças que medem 3,52m e 3,35m

1.2.2. LINHA 70x180

PEÇA	MED. MIN. (m)	+ MARGEM (m)	REPETE	EMENDA	SUBTOTAL (m)
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Madeiramento

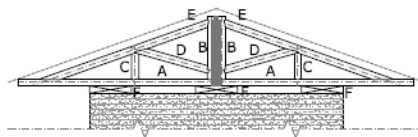
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B ¹⁸	2,34	2,60	-	-	2,60
TOTAL E					2,60

1.2.3. DEMAIS MATERIAIS

- Parafusos 3/8": 50un

1.3. TESOURA C (02 unidades)



1.3.1. LINHA 70x140

PEÇA	MED. MIN. (m)	+ MARGEM (m)	REPETE	EMENDA	SUBTOTAL (m)
A	3,99	4,20	2		8,40
B	1,39	1,60	2		3,20
C	0,63	1,80	2		3,60
D	1,69	1,90	2		3,80
E	4,03	4,20	2		8,40
TOTAL F					27,40

1.3.2. DEMAIS MATERIAIS

- Parafusos 3/8": 30un

1.4. MADEIRAMENTO RESTANTE E DEMAIS MATERIAIS

1.4.1. TERÇAS 70X140

PEÇA	MED. MIN. (m)	+ MARGEM (m)	REPETE	EMENDA	SUBTOTAL (m)
A*	12,86	13,20	2	?	26,40
B*	9,44	9,70	2	?	19,40
C	5,97	6,20	2	-	12,40
D	2,53	2,70	2	-	5,40
E*	9,64	9,90	2	?	19,80
F*	7,11	7,30	2	?	14,60
G	4,56	4,80	2	-	9,60
H	1,92	2,10	2	-	4,20
I	5,93	6,10	2	-	12,20
J	5,60	5,80	2	-	11,60

Madeiramento

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K	2,60	2,80	2	-	5,60
L	1,66	1,90	2	-	3,80
M	0,73	0,90	2	-	1,80
TOTAL G					146,80

1.4.2. CAIBRO 80X80

PEÇA	MED. MIN. (m)	+ MARGEM (m)	REPETE	EMENDA	SUBTOTAL (m)
A	0,53	0,70	4	-	2,80
B	0,85	1,10	4	-	4,40
C	1,16	1,40	4	-	5,60
D	1,46	1,70	4	-	6,80
E	1,77	2,00	4	-	8,00
F	2,07	2,10	4	-	8,40
G	2,38	2,60	4	-	10,40
H	2,68	2,90	4	-	11,60
I	2,99	3,20	4	-	12,80
TOTAL H					70,80

1.4.3. CAIBRO 50X50

PEÇA	MED. MIN. (m)	+ MARGEM (m)	REPETE	EMENDA	SUBTOTAL (m)
-	257,90	+5%	-	-	271,00
TOTAL I					271,00

1.4.4. RIPA 50X20

PEÇA	MED. MIN. (m)	+ MARGEM (m)	REPETE	EMENDA	SUBTOTAL (m)
-	562,90	+5%			591,00
TOTAL J					591,00

1.4.5. CHAPUZ 70x140

PEÇA	MED. MIN. (m)	+ MARGEM (m)	REPETE	EMENDA	SUBTOTAL (m)
-	0,14	0,20	30	-	6,00
TOTAL K					6,00

1.4.6. OUTROS MATERIAIS

- Pregos para ripas e caibros.

1.5. SOMATÓRIOS

Madeiramento

BIBLIOTECA FINAL.pdf

1.5.1. LINHA 70x140

REFERENCIA	T. PARCIAL	REPETIÇÃO	TOTAL
TOTAL A	98,60	-	365,70
TOTAL D	59,50	-	
TOTAL F	27,40	2	
TOTAL F'	27,40	-	
TOTAL G	146,80	-	
TOTAL K	6,00	-	

1.5.2. LINHA 70x180

REFERENCIA	T. PARCIAL	REPETIÇÃO	TOTAL
TOTAL B	3,00	-	5,60
TOTAL E	2,60	-	

1.5.3. CAIBRO 80X80

REFERÊNCIA	T. PARCIAL	REPETIÇÃO	TOTAL
TOTAL H	70,80	-	70,80

1.5.4. CAIBRO 50X50

REFERÊNCIA	T. PARCIAL	REPETIÇÃO	TOTAL
TOTAL C	24,00	-	295
TOTAL I	271,00	-	

1.5.5. RIPA 50X20

REFERÊNCIA	T. PARCIAL	REPETIÇÃO	TOTAL
TOTAL J	591,00	-	591,00

1.5.6. OUTROS MATERIAIS

- Pregos para ripas e caibros;
- Parafusos 3/8" para tesouras, apoios, terças e emendas (200un);
- Concreto para apoios (0,1m³).

