



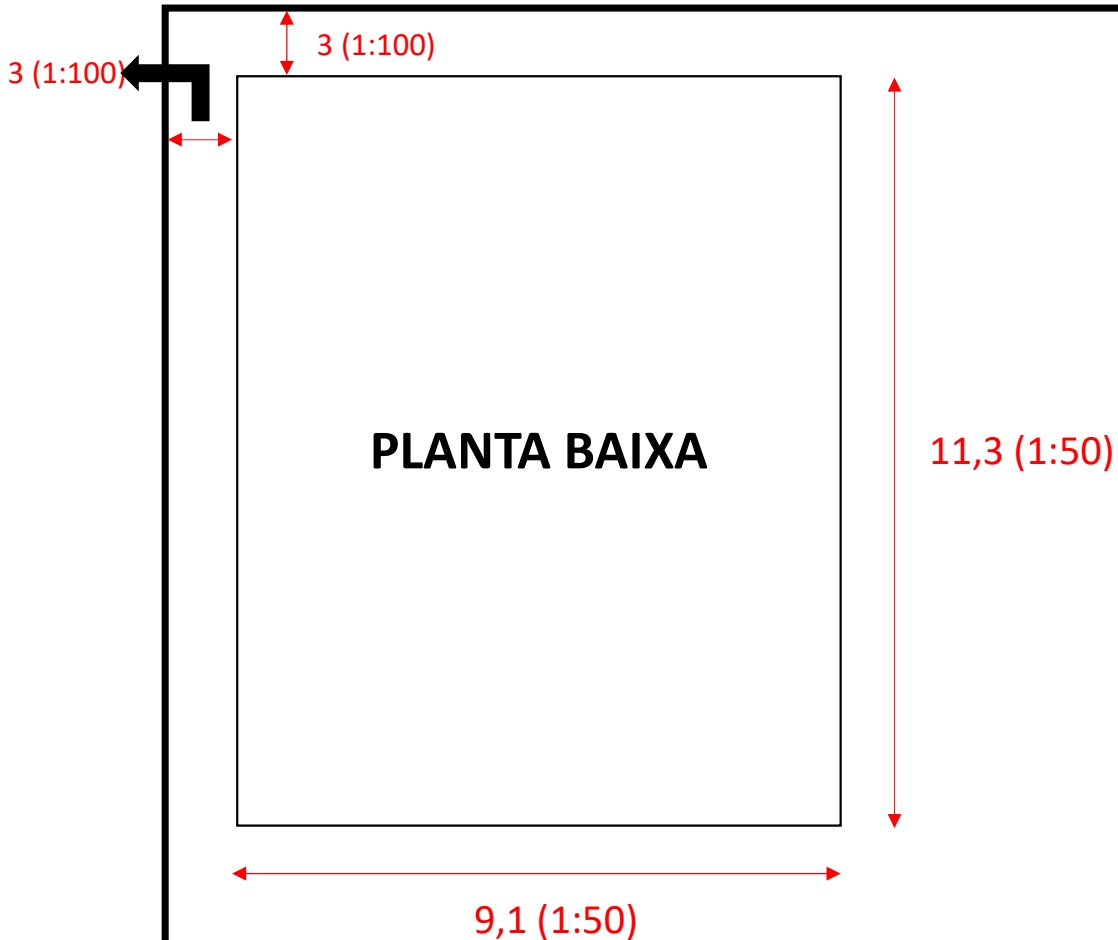
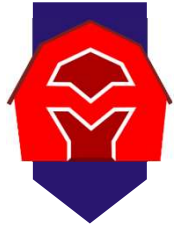
Iniciando a Planta Baixa

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Observação:

Utilizar **Lápis H**

Passar o lápis fraco:

- Depois vai apagar nas portas;
- Depois vai passar o 2B



Paredes Externas

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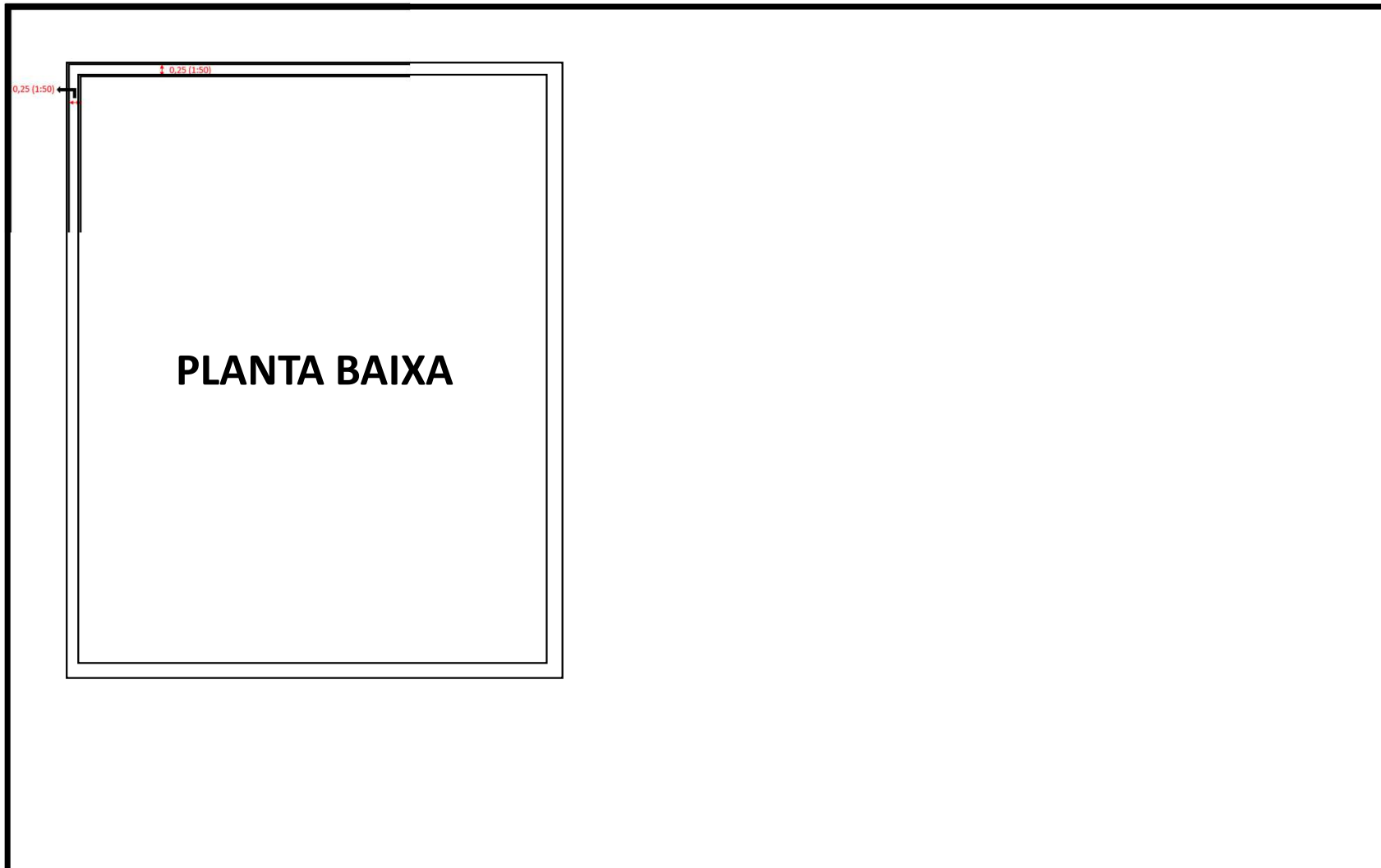
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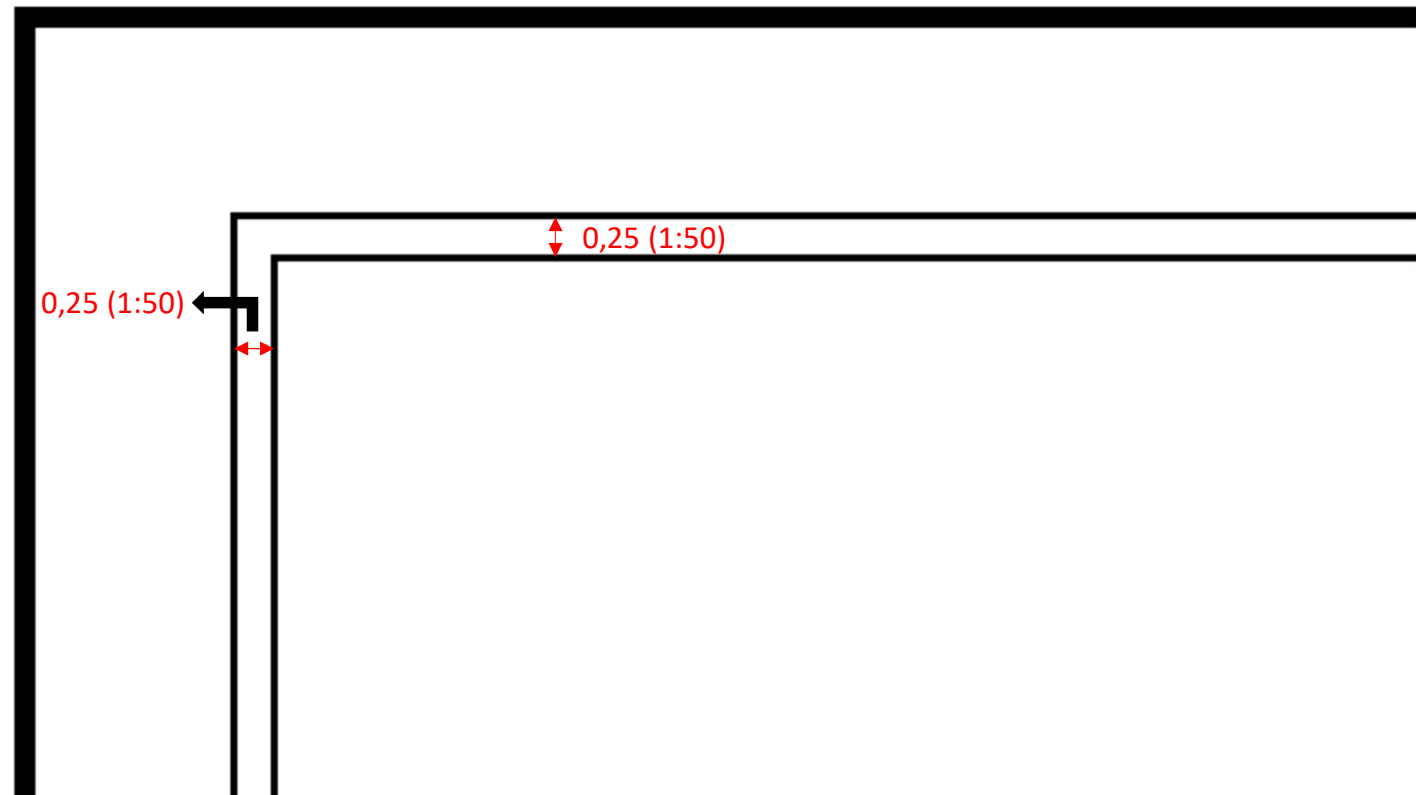


PLANTA BAIXA





- Paredes Externas





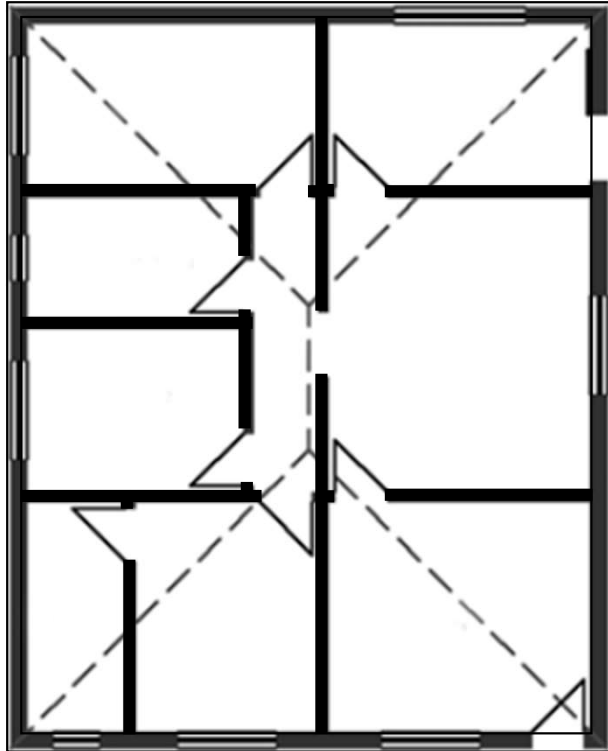
Dimensão Mínima Cômodos

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Cômodos e Dimensões Mínimas:

- Sala: 8 m²
- Cozinha: 4 m²
- Lavanderia: 3 m²
- Banheiro: 2 m²
- Corredor: 0,9 m²
- Suíte: 8 m²
- Quarto: 6 m²



DIMENSÕES MÍNIMAS

TABELA I

CASAS POPULARES OU DE INTERESSE
SOCIAL UNIFAMILIAR

ITENS	COMPARTIMENTOS	REQUISITOS							
		CÍRCULO INSCRITO	ÁREA MÍNIMA	ILUMINAÇÃO MÍNIMA	VENTILAÇÃO MÍNIMA	PE DORTO MÍNIMO	PROFUND. MÁXIMA	REVESTIMENTO PAREDES	REVESTIMENTO PISOS
01	SALA DE ESTAR	2,00	8,00	1/8	1/16	2,50	3 x P.D.	-	-
02	DORMITÓRIO ÚNICO	2,00	8,00	1/8	1/16	2,50	3 x P.D.	-	-
03	DOIS DORMITÓRIOS	2,00	8,00 6,00	1/8	1/16	2,50	3 x P.D.	-	-
04	COZINHA	1,50	4,00	1/8	1/16	2,50	3 x P.D.	IMPERM. ATÉ 1,50	IMPERM.
05	BANHEIRO	1,00	2,00	1/8	1/16	2,50	3 x P.D.	IMPERM. ATÉ 1,50	IMPERM.
06	CORREDOR DE CIRCULAÇÃO	0,90	-	-	-	2,30	-	-	-

NOTAS

I - CONSIDERAÇÕES GERAIS

- a) as linhas de iluminação e ventilação mínima, referem-se à relação entre a área da abertura iluminante e a área do piso;
- b) todas as dimensões são expressas em metros;
- c) todas as áreas são expressas em metros quadrados.

II - ITENS

- 03 - área útil de 6,00 m², desde que um pelo menos tenha 8,00 m²
- 04 - permitida pavimentação de tijolos com revestimento de argamassa de cimento e areia.
- 05 - permitida iluminação zenital, pavimentação de tijolos com revestimento de argamassa de cimento e areia e proibida a comunicação diretamente com a cozinha.
- 06 - permitida iluminação zenital.

¹ Tabela I modificada pela LC nº 42, de 10 de dezembro de 1993.



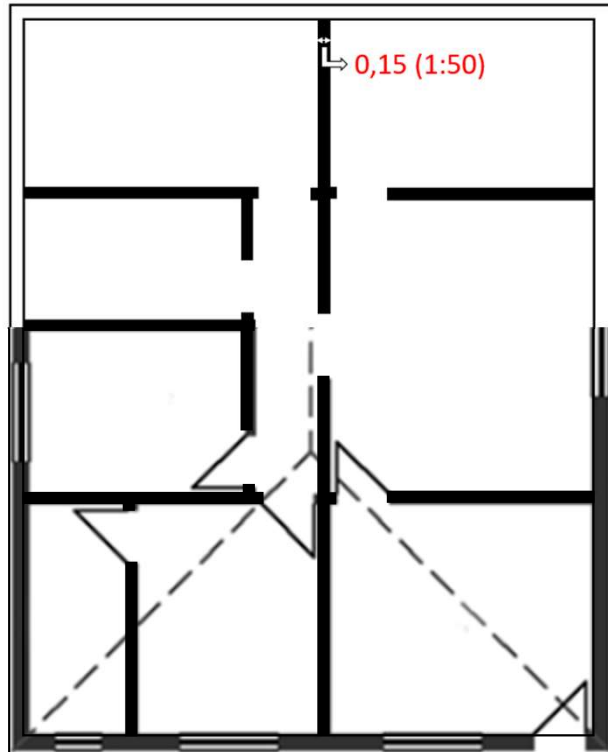
Paredes Internas

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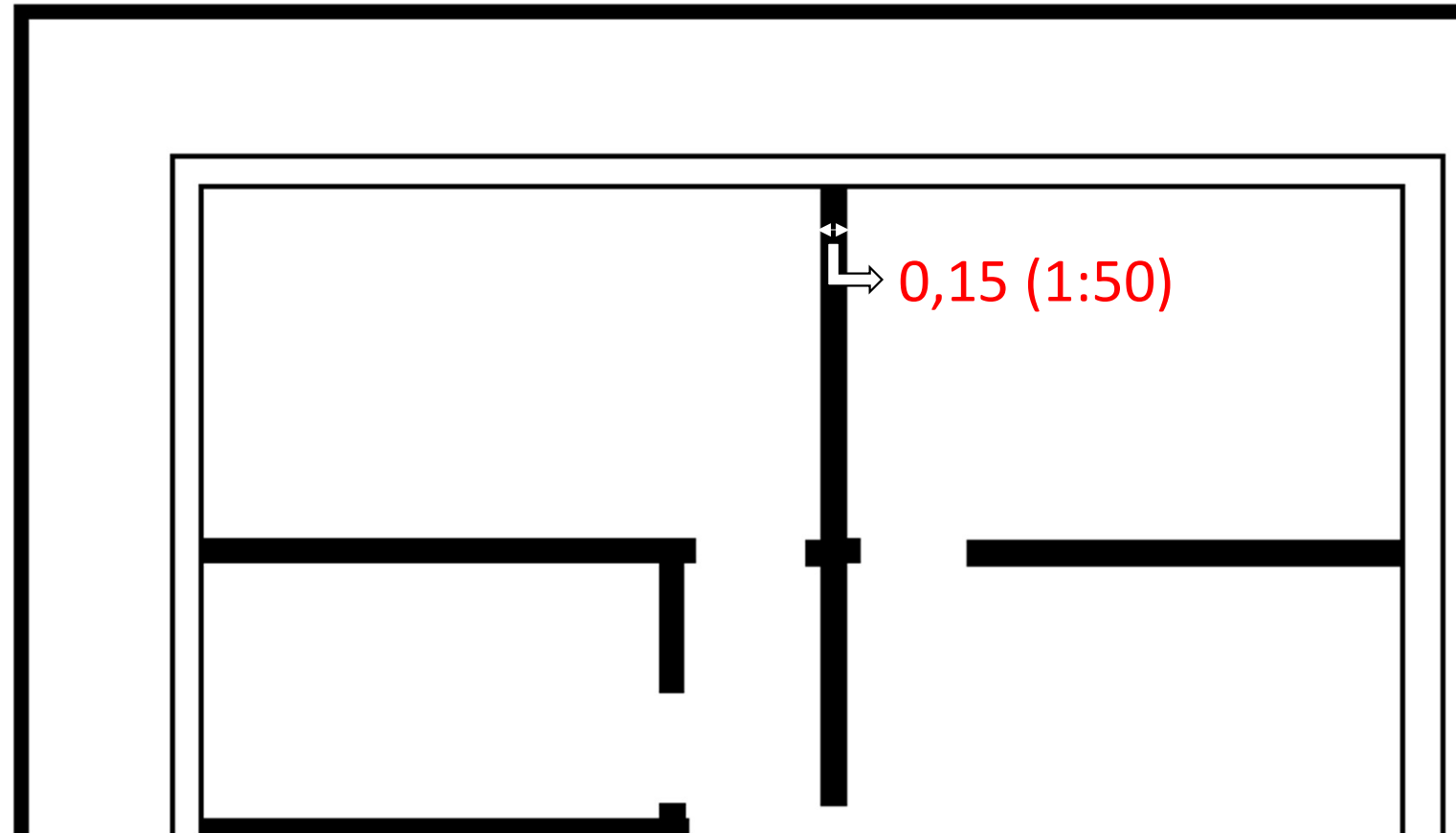


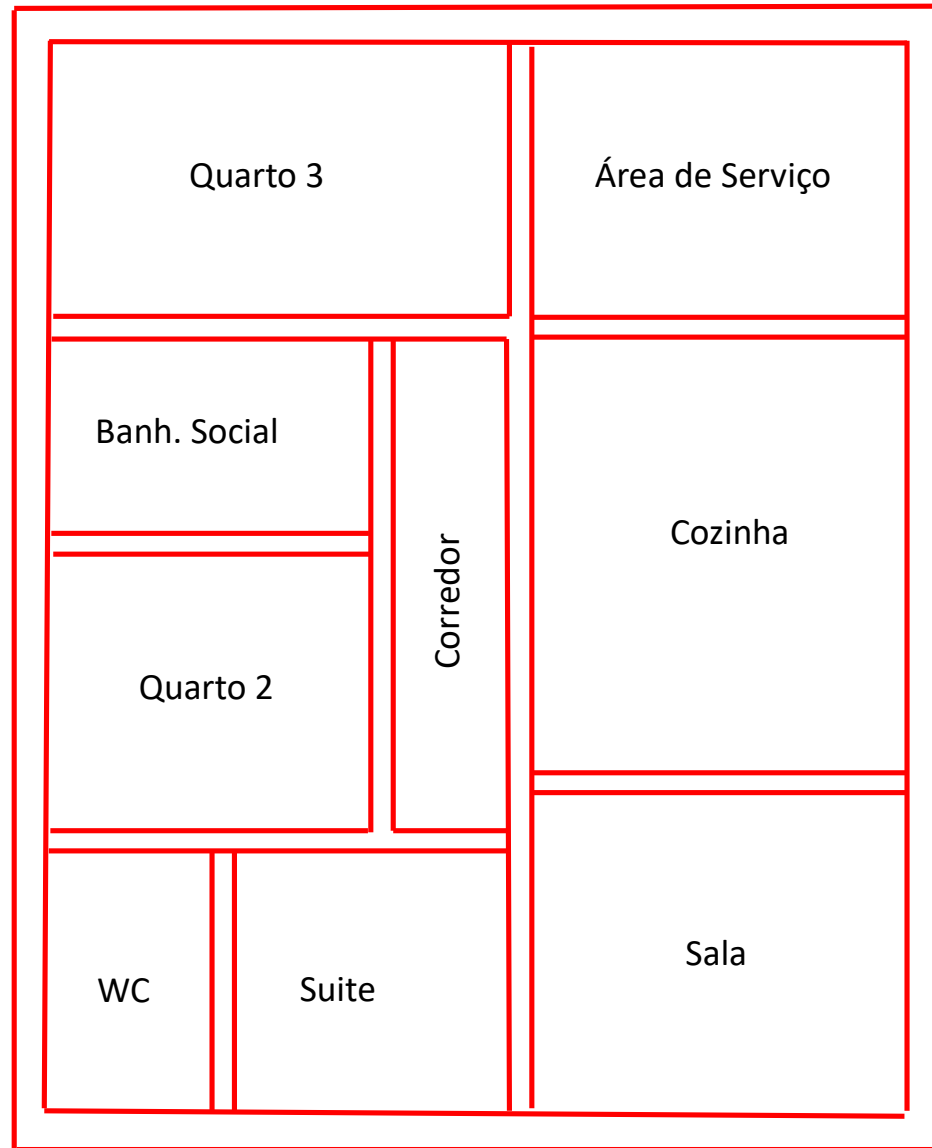
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- Paredes Internas







Espala

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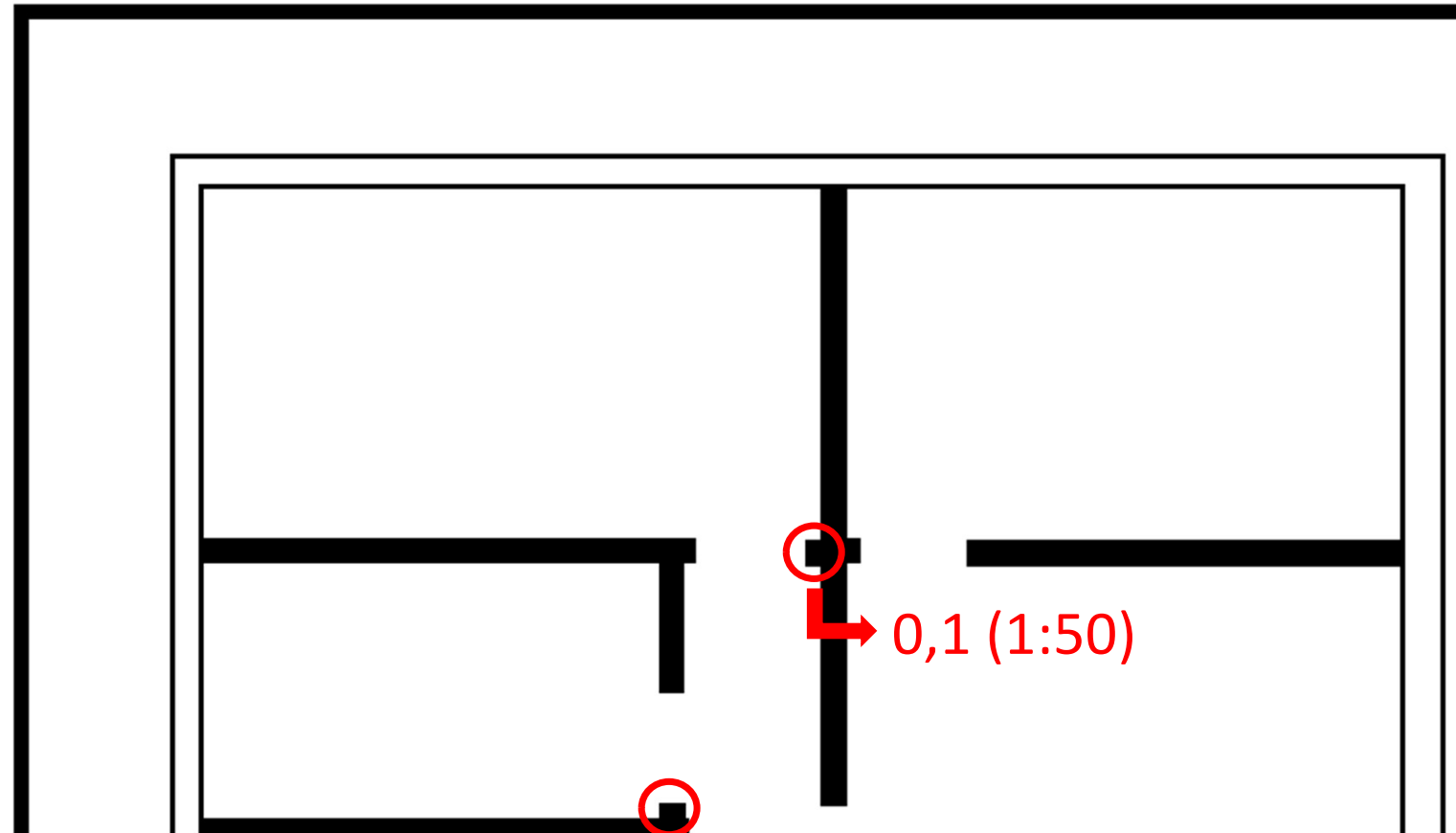
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- Espala





Tamanho das Portas (Padrão)

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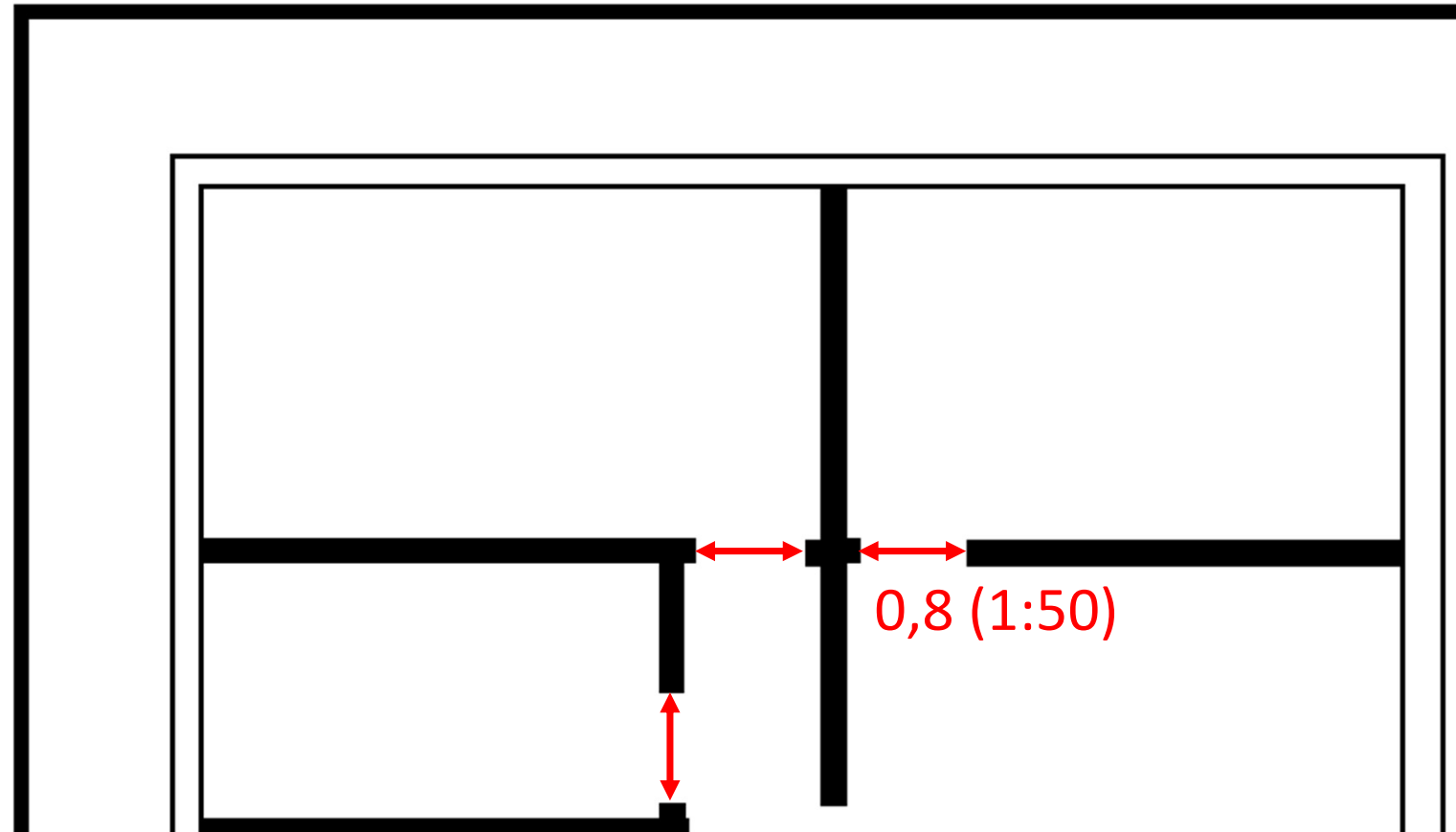
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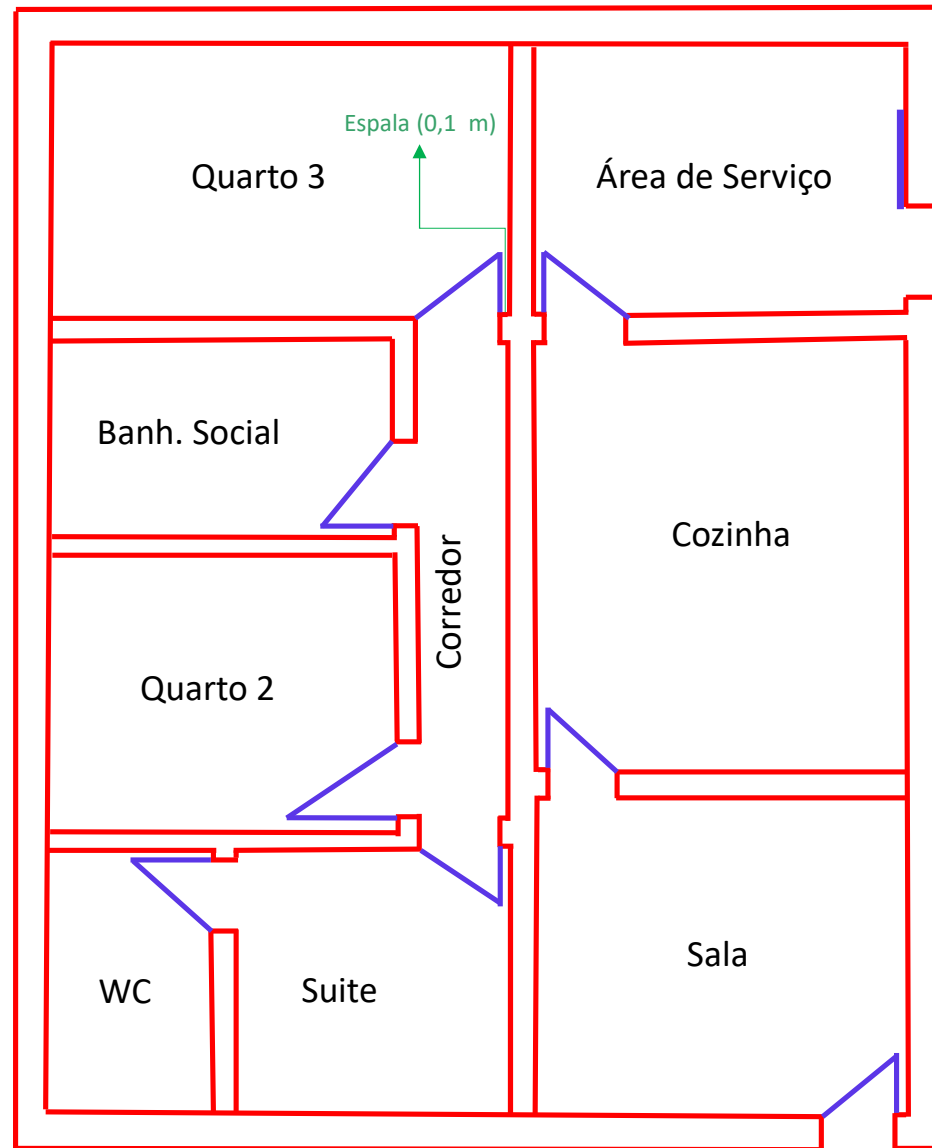


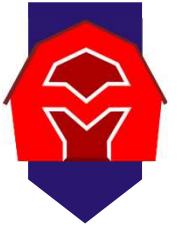
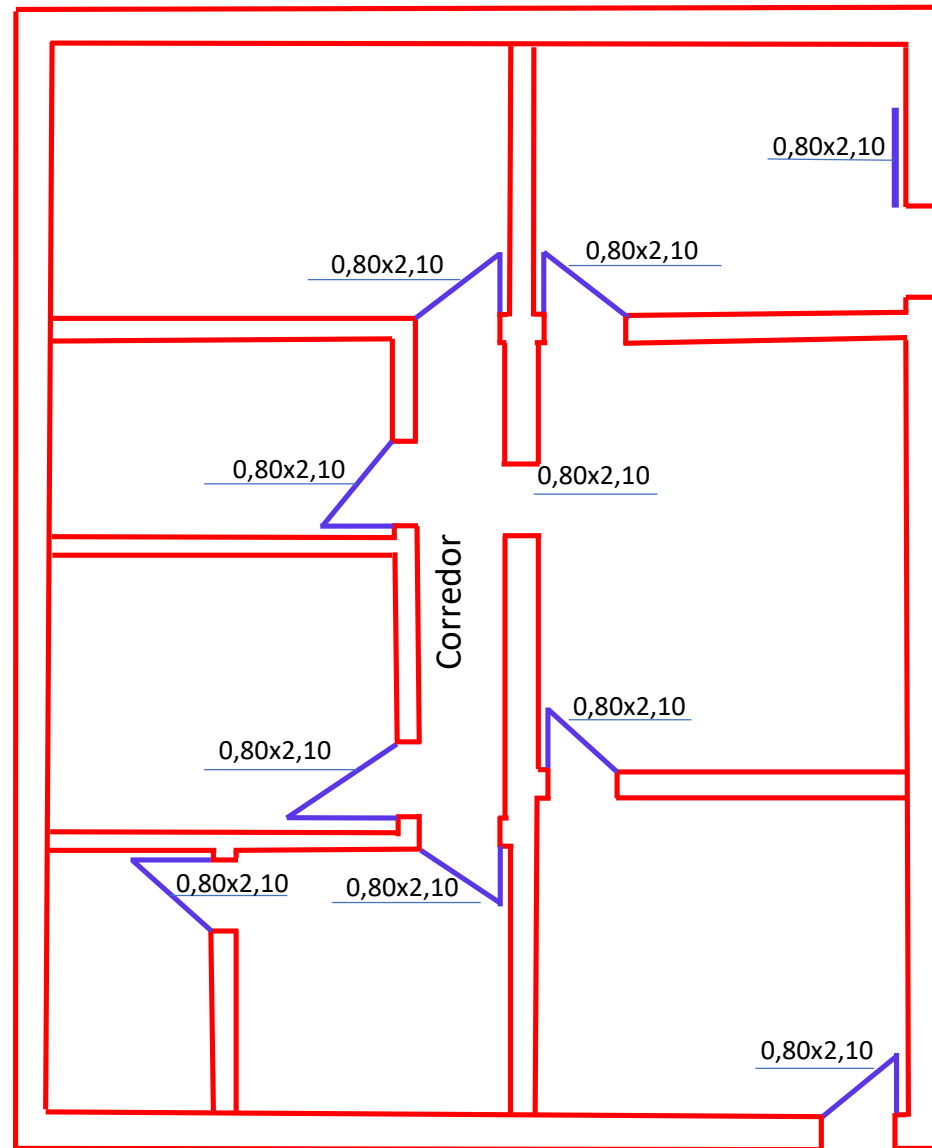
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- Tamanho das Portas (Padrão)





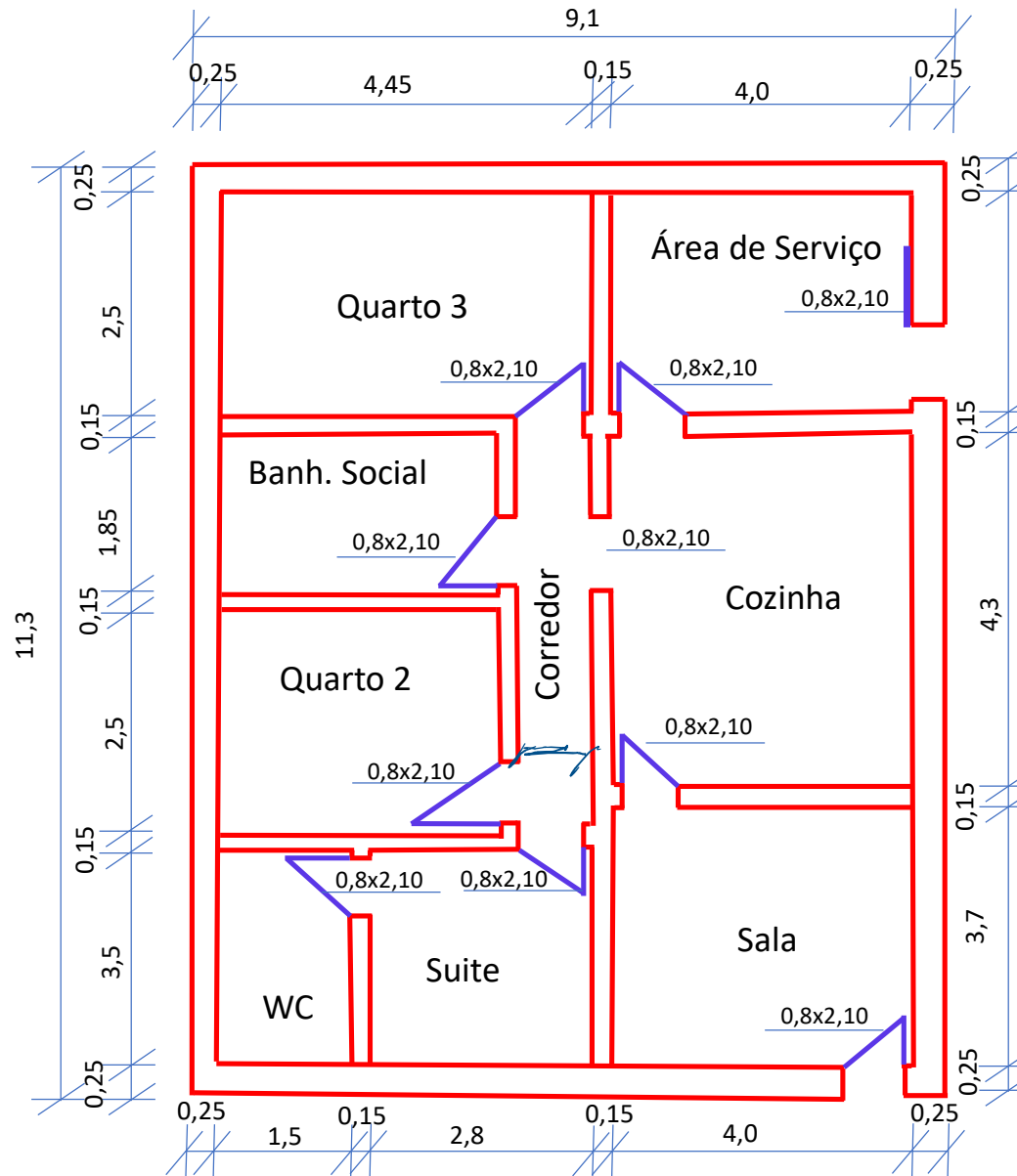




Cotas – Grafita H
Escala da cota 1/100

Linha de chamada 0,5

Traço inclinado a 45°





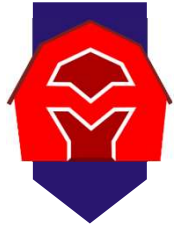
Nome dos Cômodos

DESENHO TÉCNICO

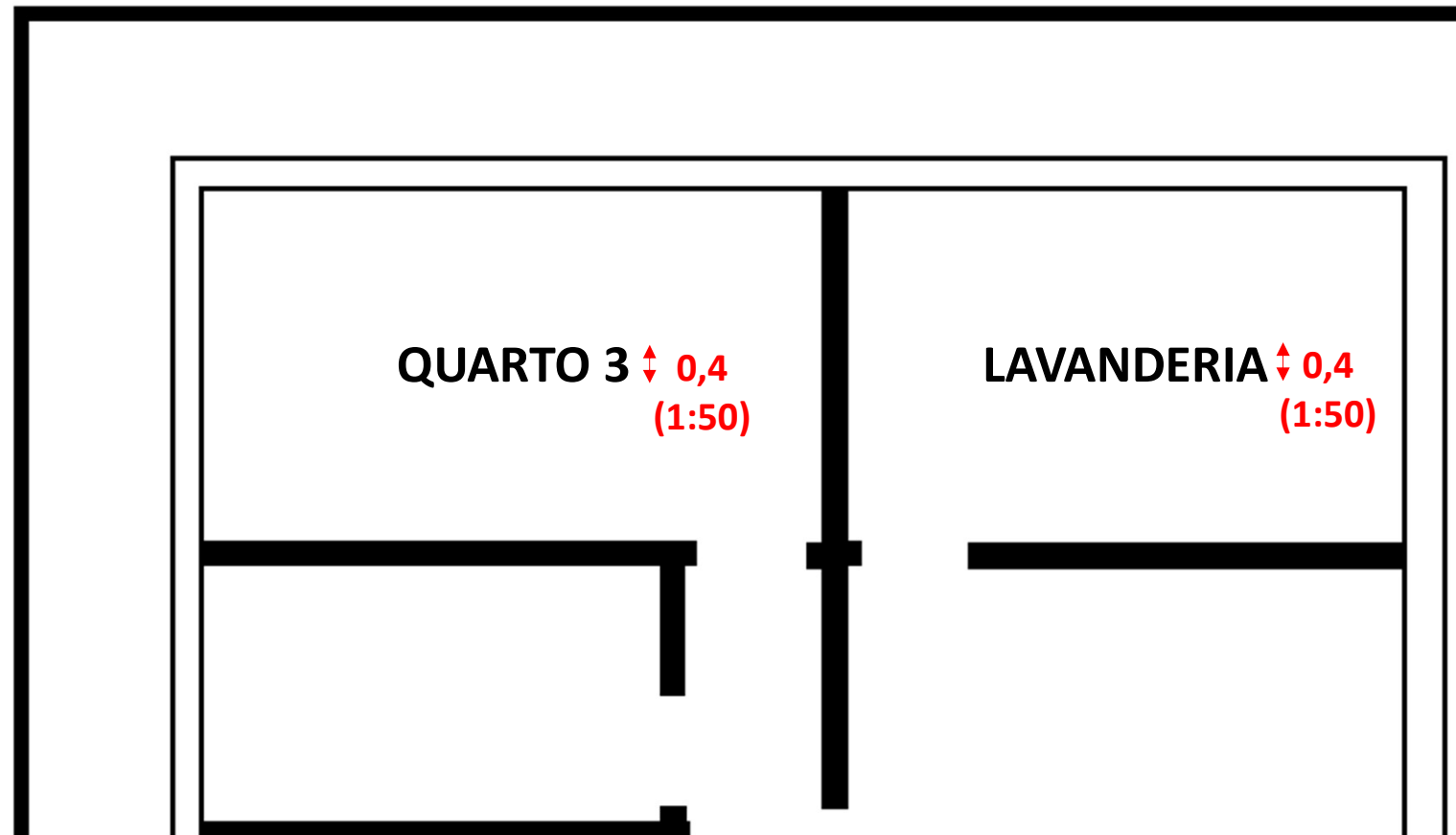
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- Nome dos Cômodos





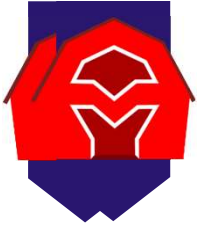
Cota das Janelas

DESENHO TÉCNICO

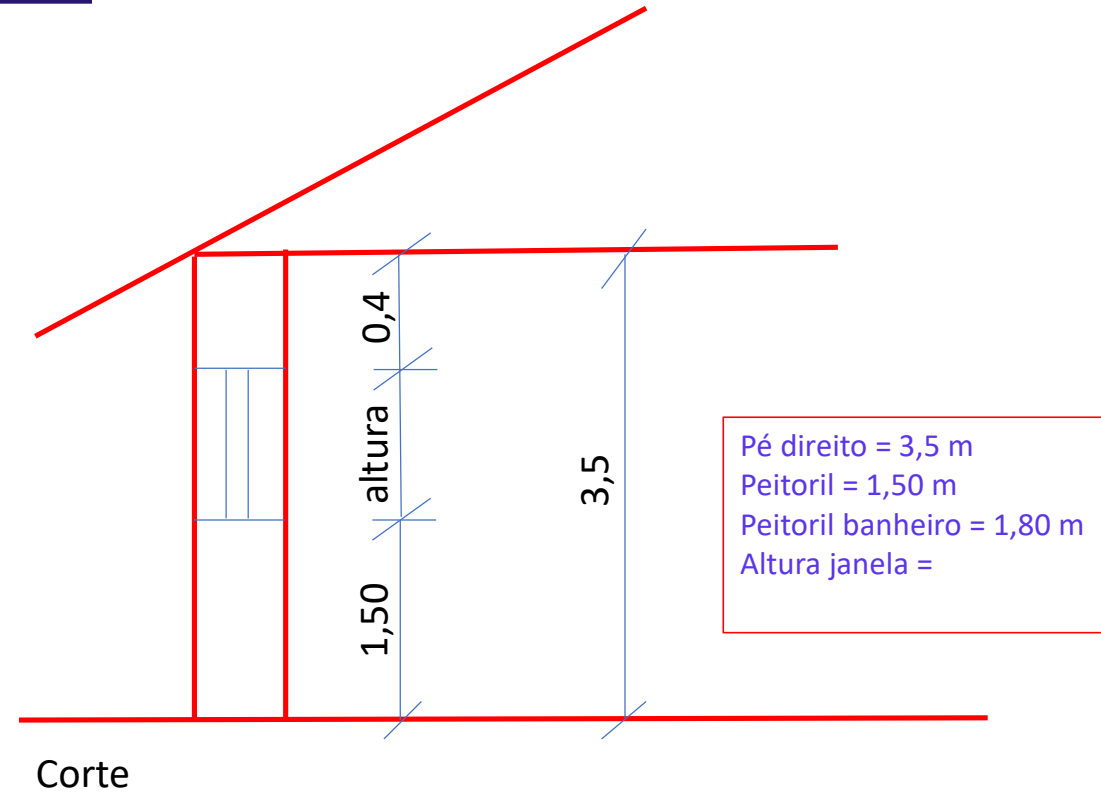
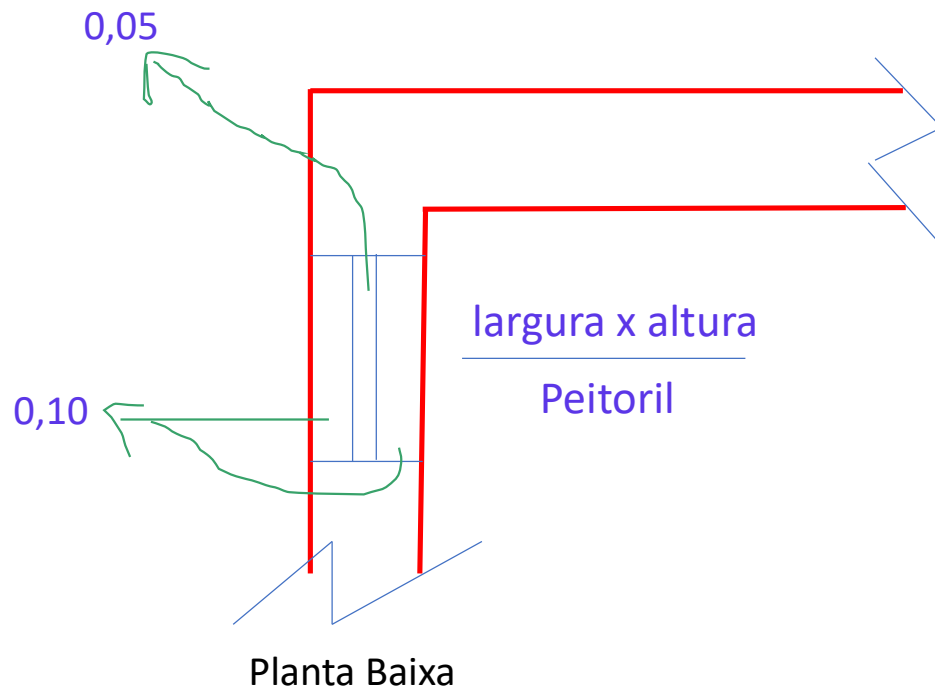
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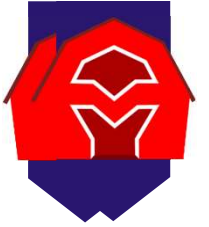


COTA DAS JANELAS



Cálculo da área mínima de iluminação

Janelas



$$A = \frac{\textit{Área do piso}}{5} \quad (\text{Cálculo dos cômodos})$$

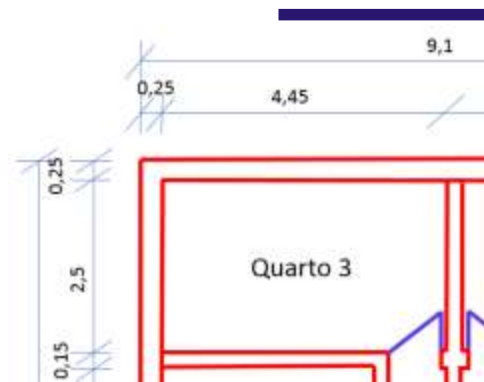
$$A = \frac{\textit{Área do piso}}{8} \quad (\text{Cálculo dos banheiros})$$



Cálculo da área mínima de iluminação

Exemplo – (Janela para o quarto 3)

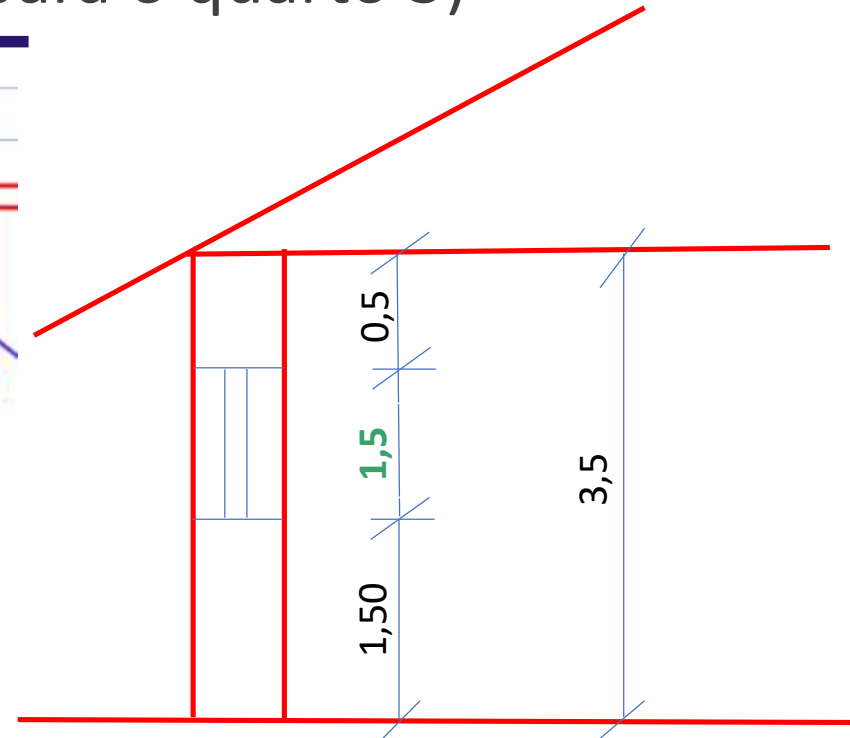
$$A = \frac{2,5 \times 4,45}{5} = 2,23 \text{ m}^2$$



$$A = \text{Largura} \times \text{altura}$$

$$2,23 = \text{Largura} \times 1,5$$

$$\text{LARGURA} = 1,5 \text{ m}$$







Cobertura

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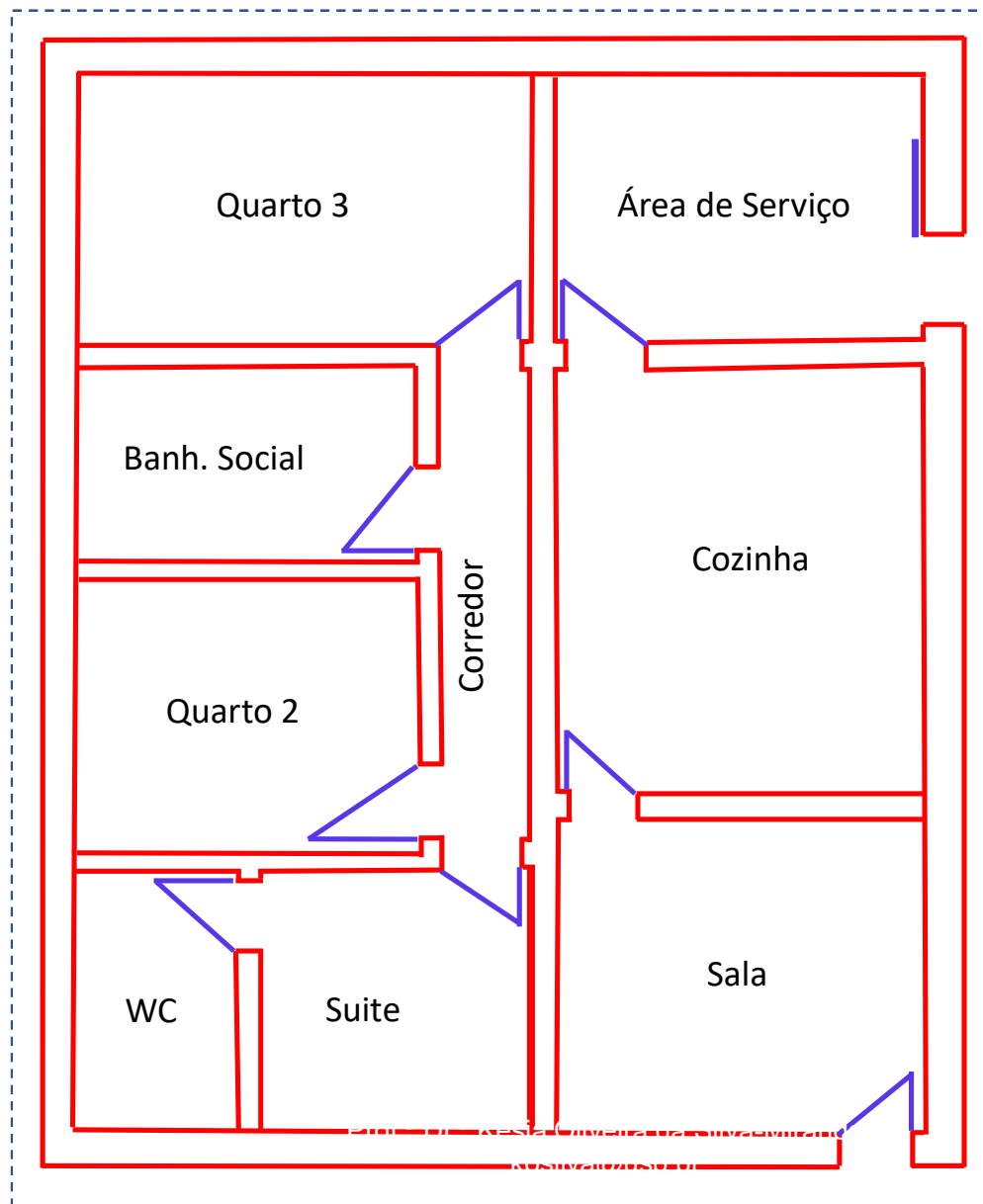


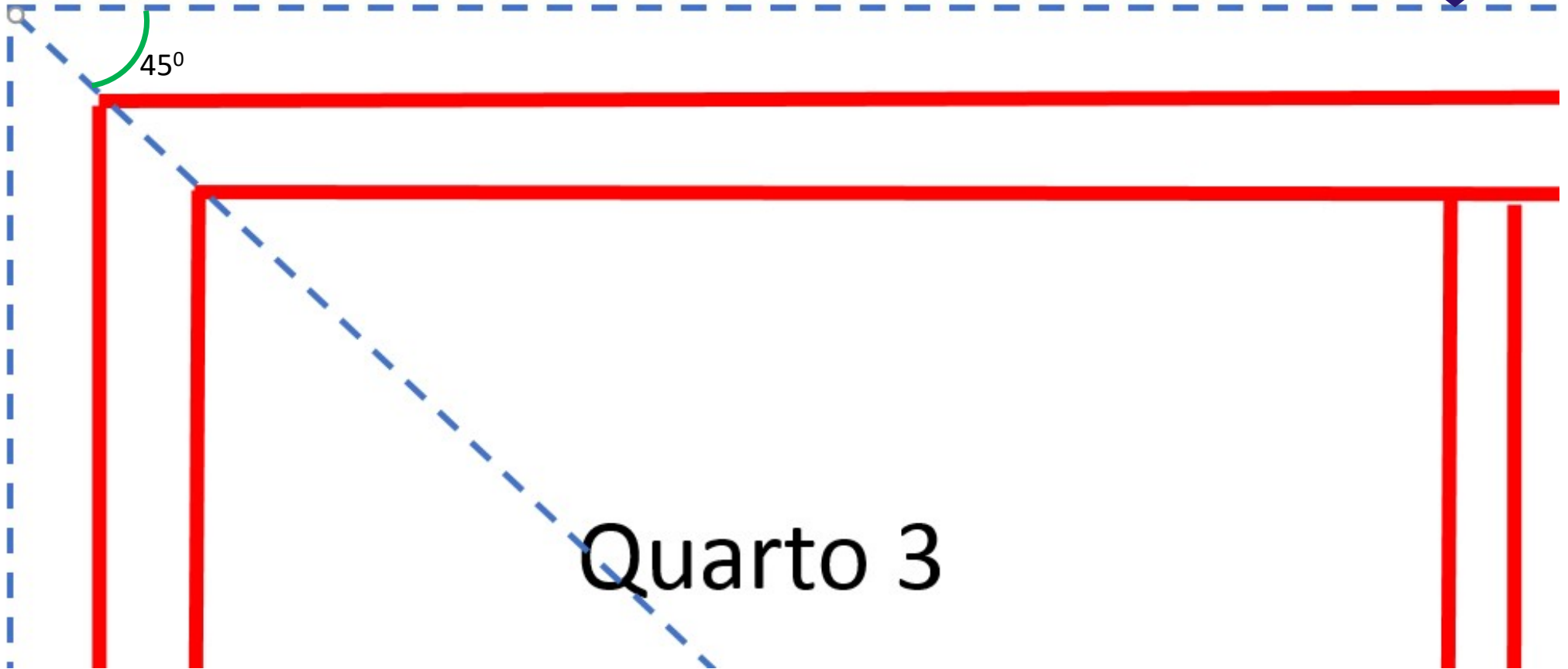
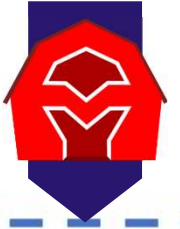
ESC 1:50

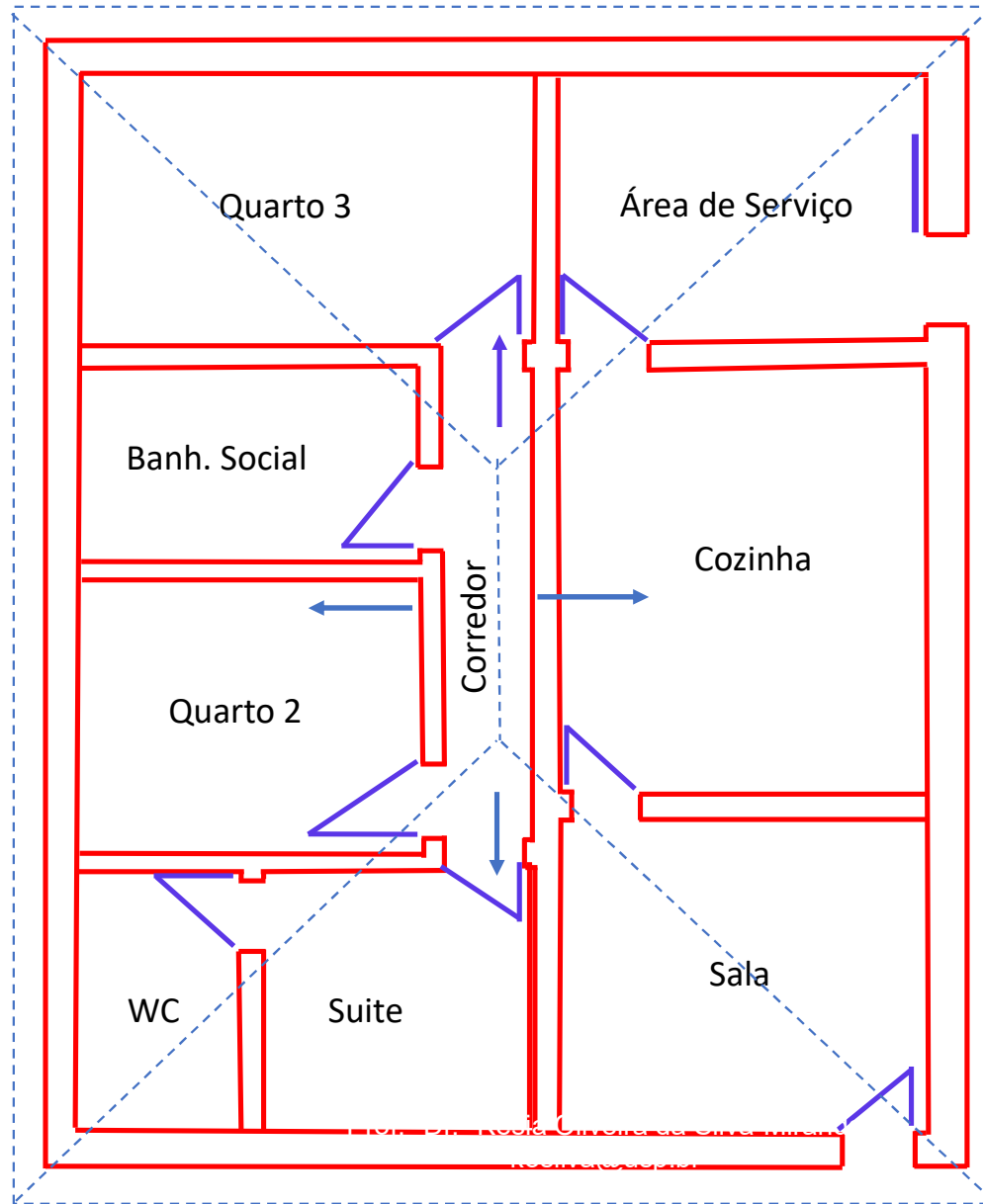


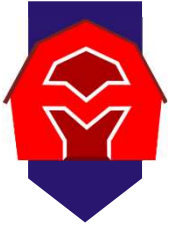
0,4

Quarto 3

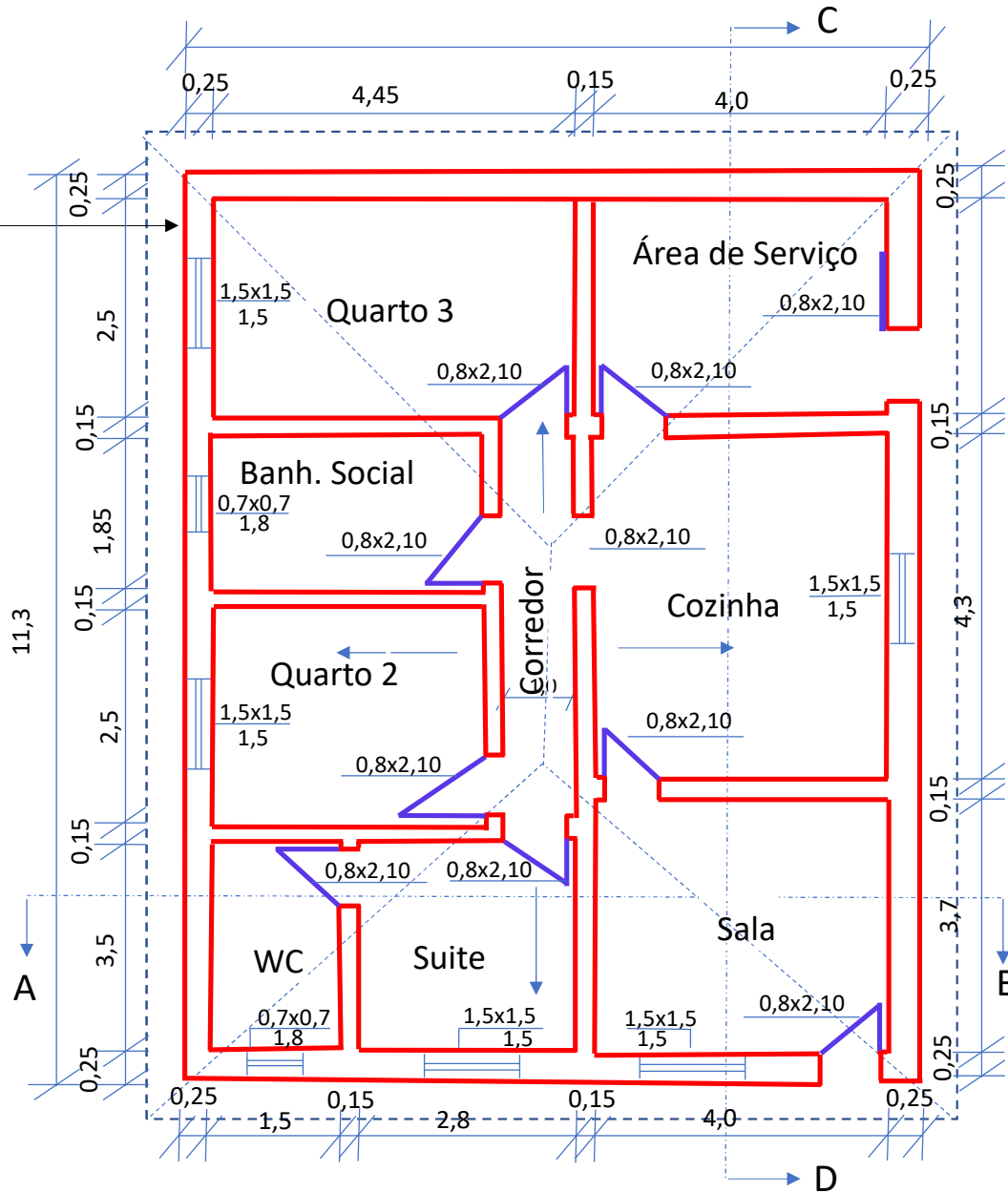








GRAFITA (B)





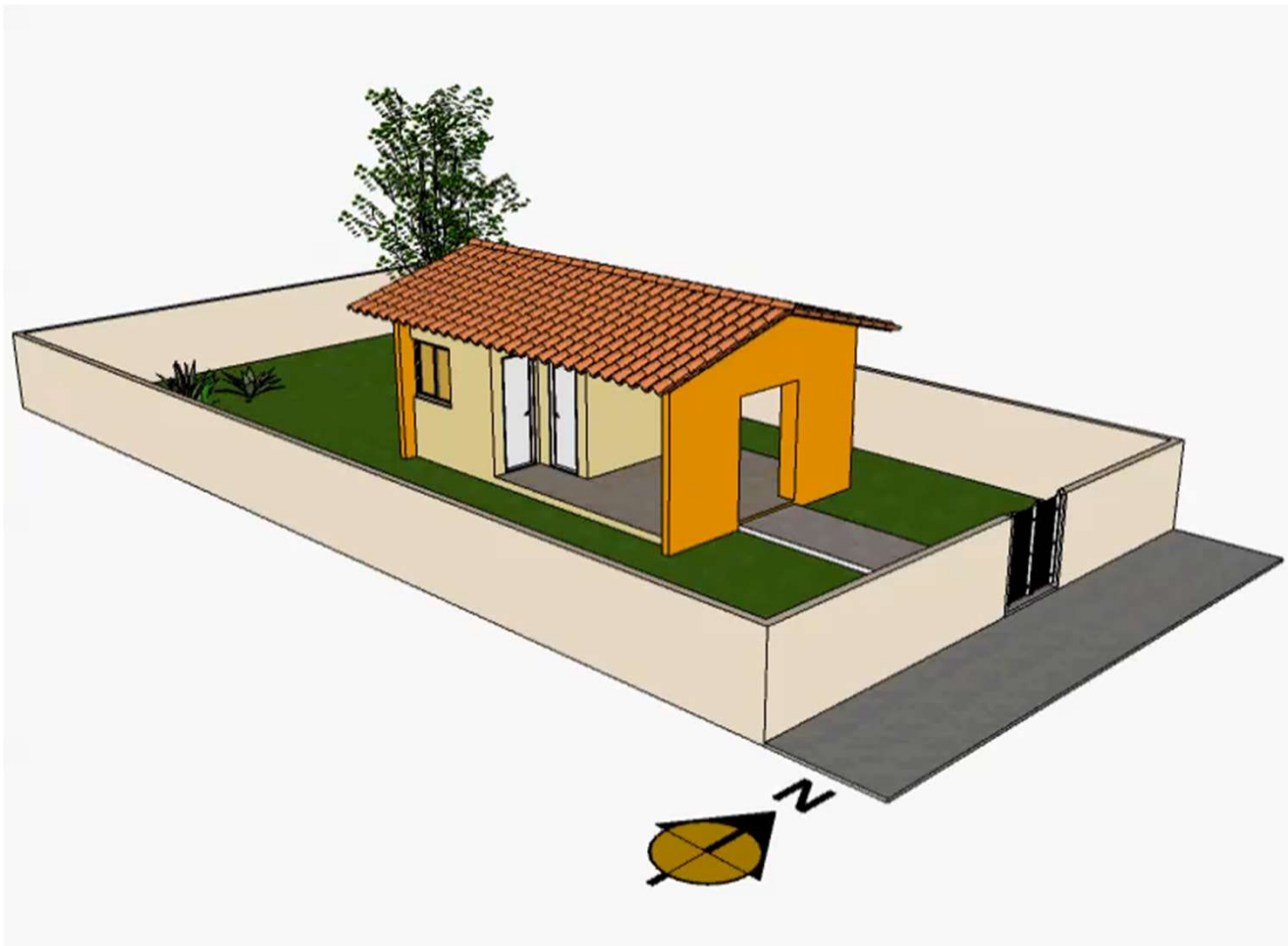
Corte Transversal

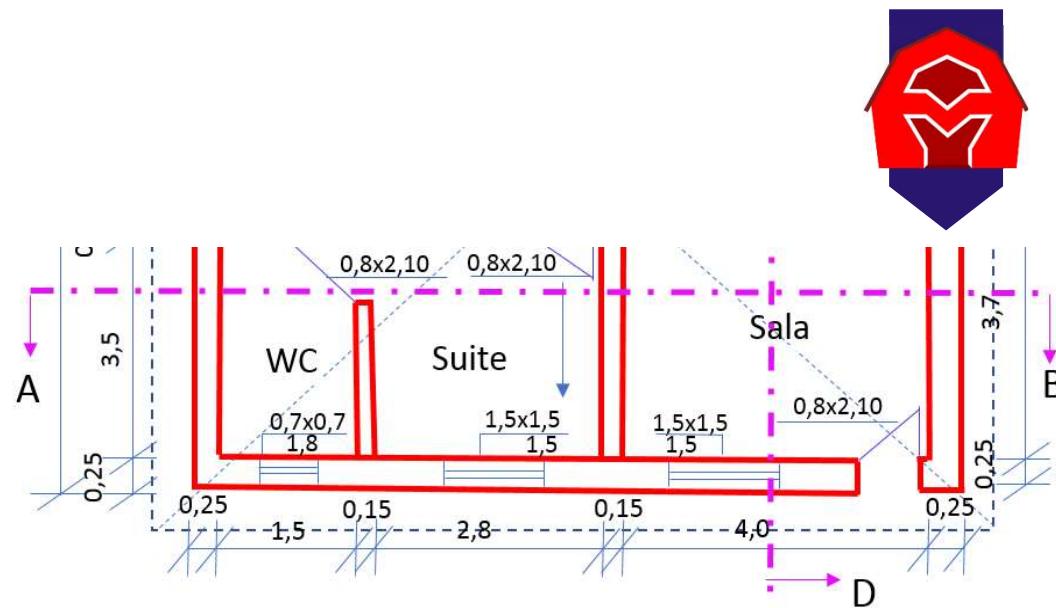
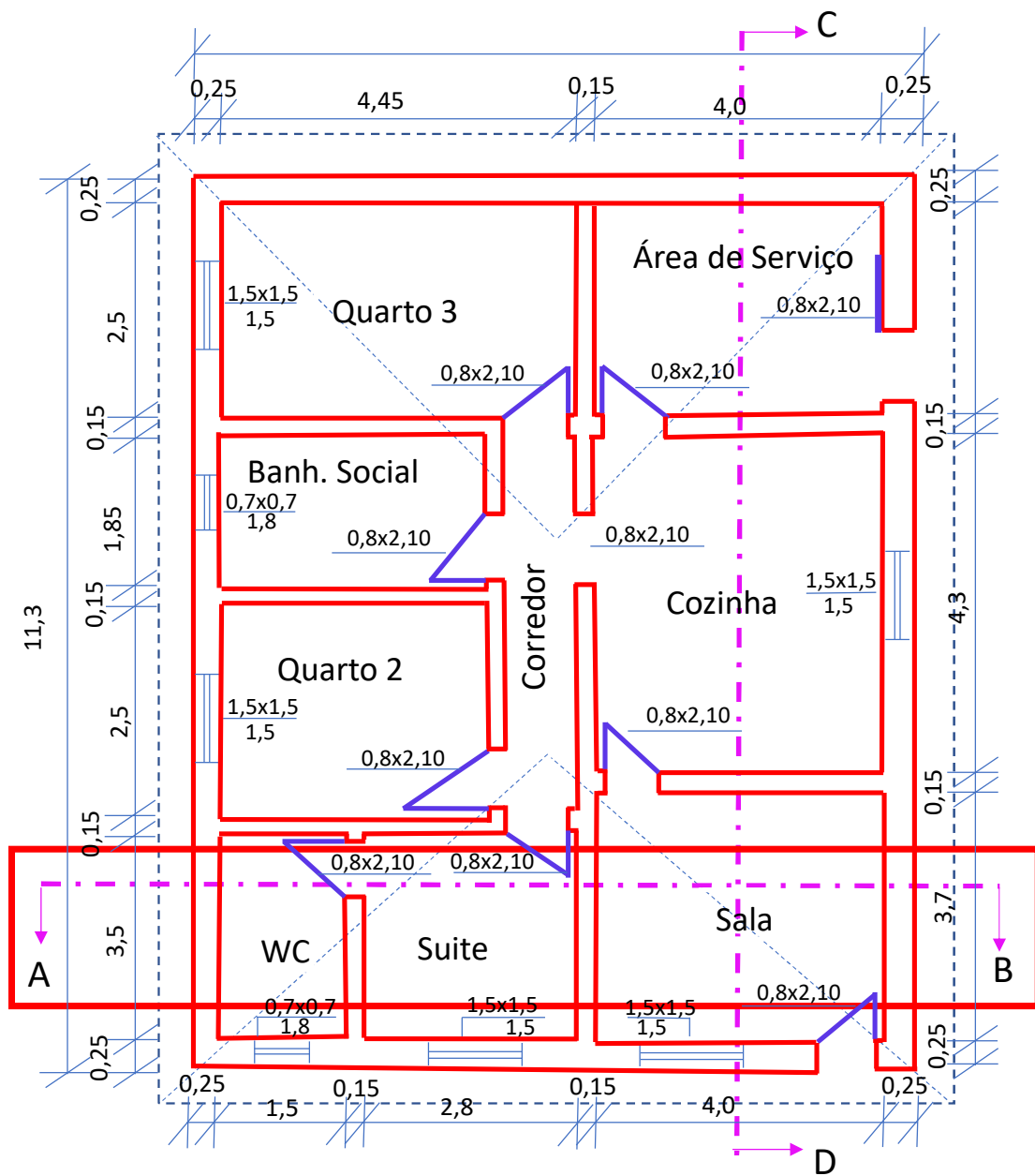
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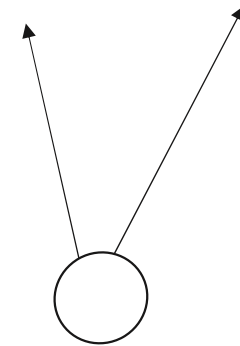
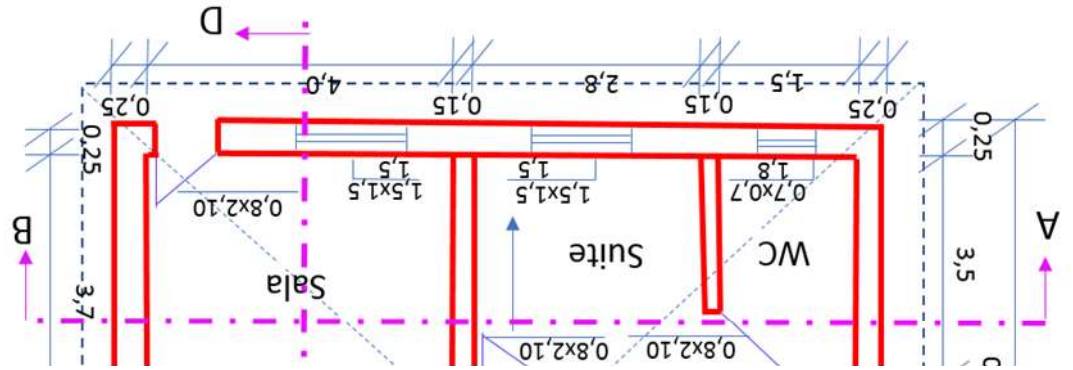
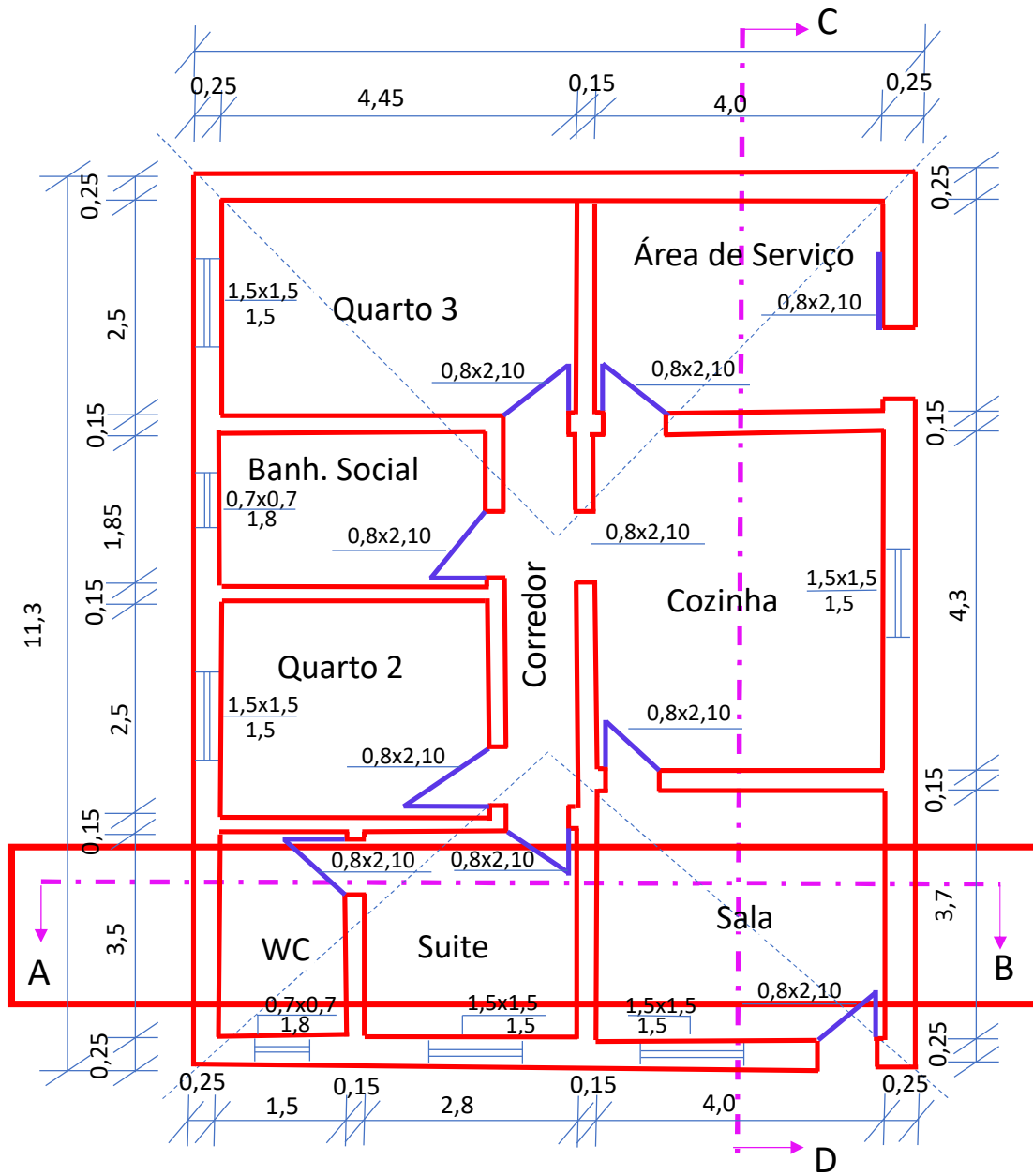
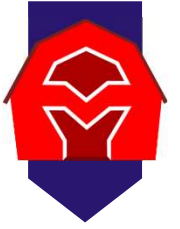
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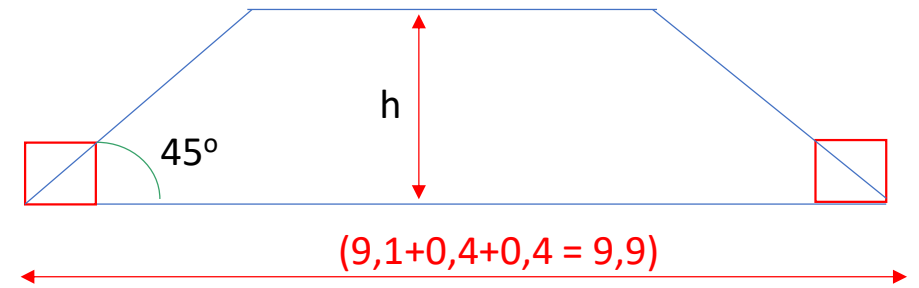
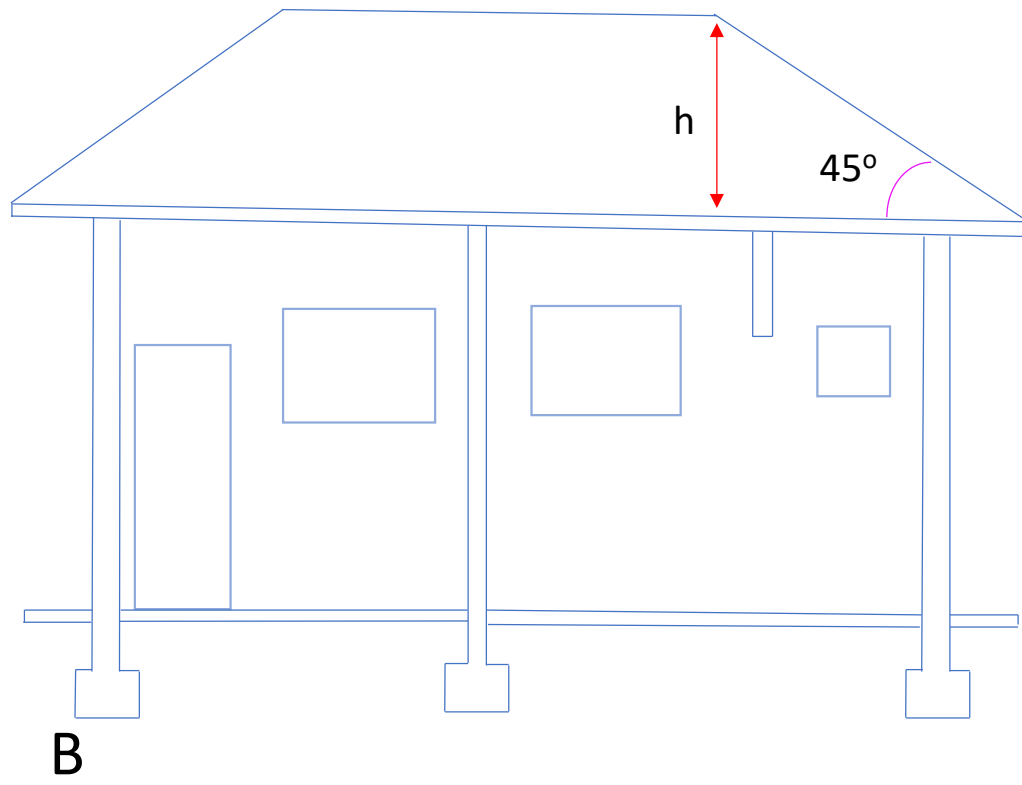
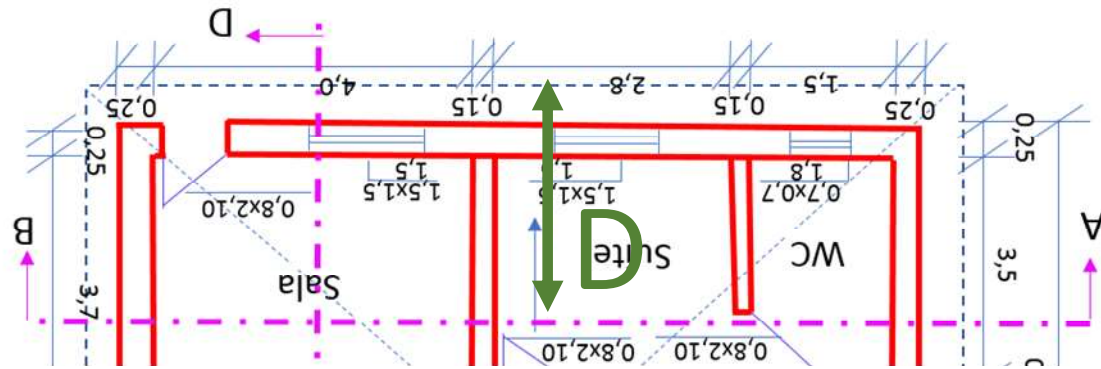


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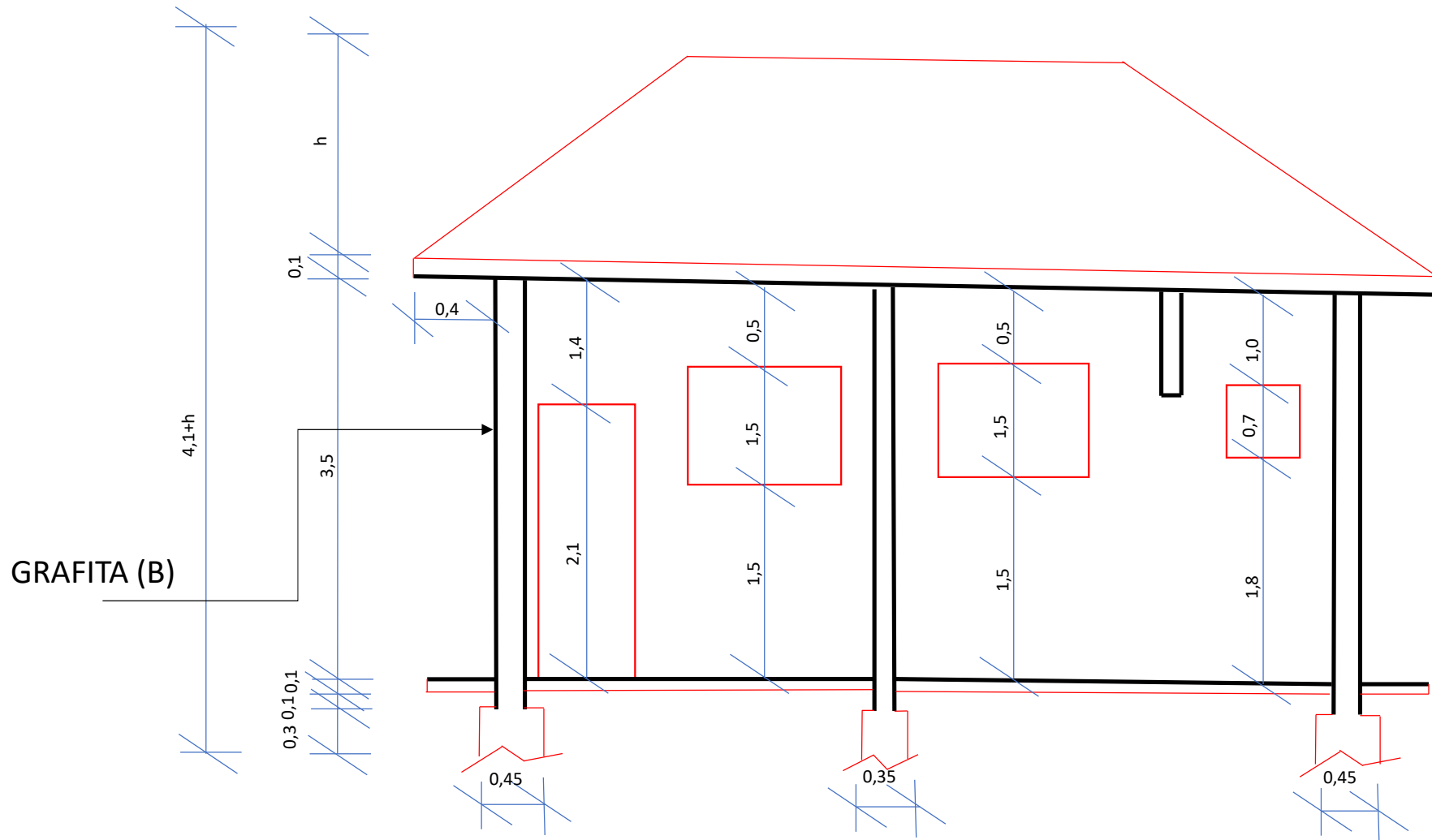




$$\tan \alpha = \frac{CO}{CA}$$

$$\tan \alpha = \frac{h}{D}$$

$$h = \tan \alpha \cdot D$$



CORTE TRANSVERSAL BA



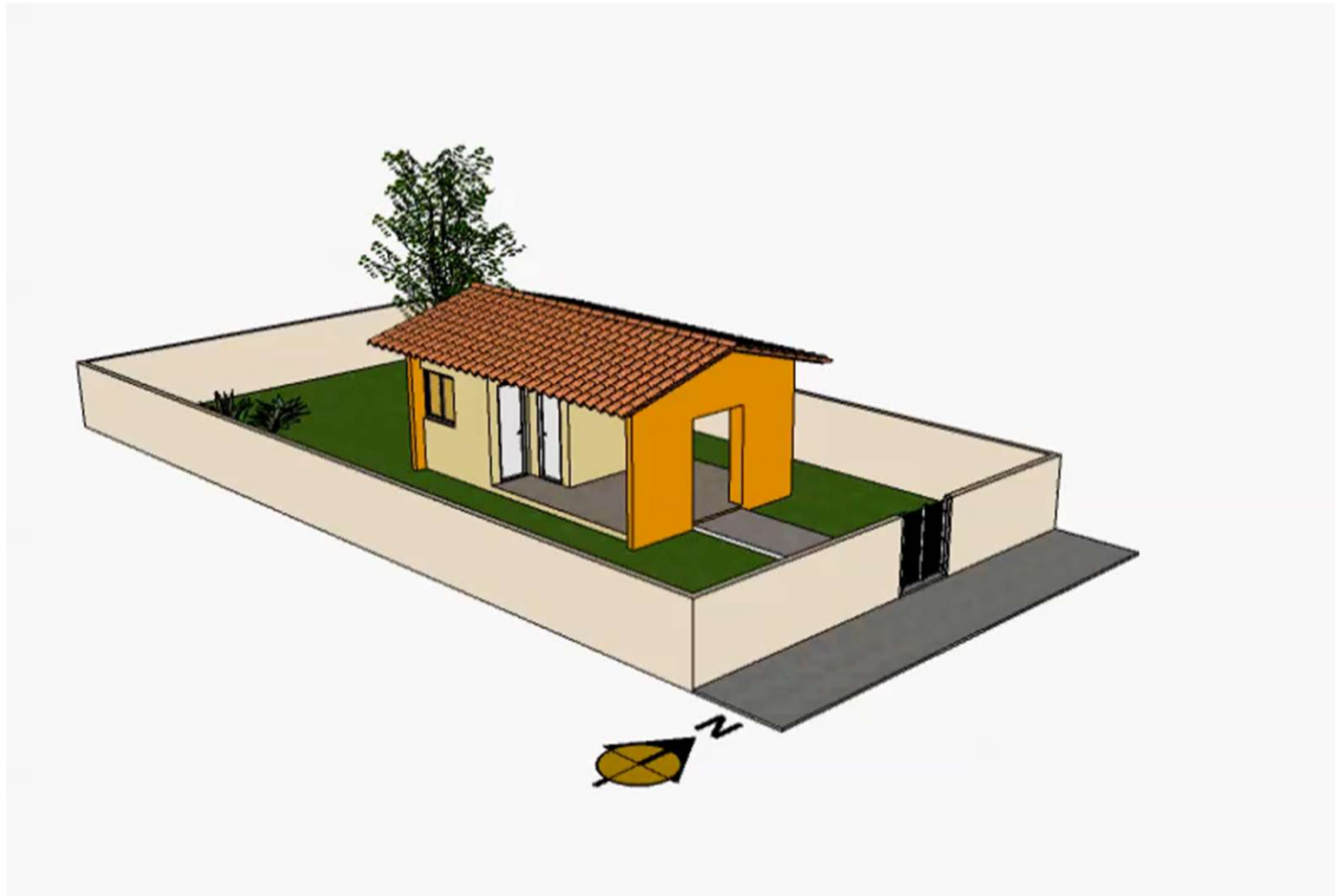
Corte Longitudinal

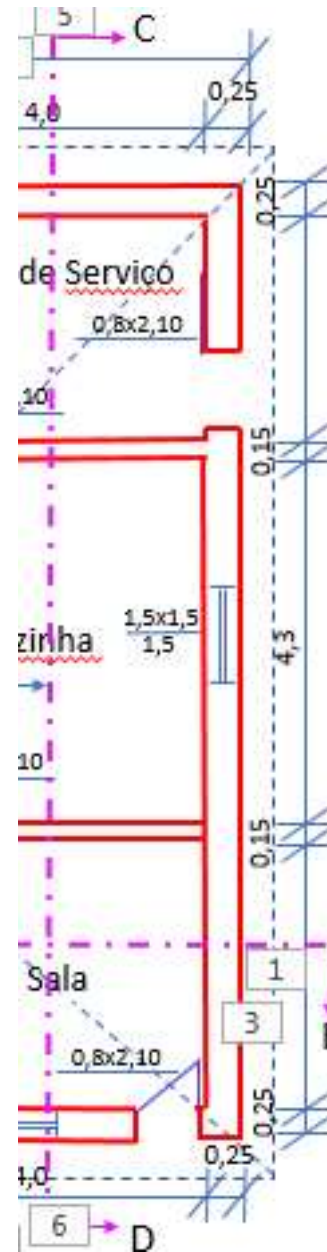
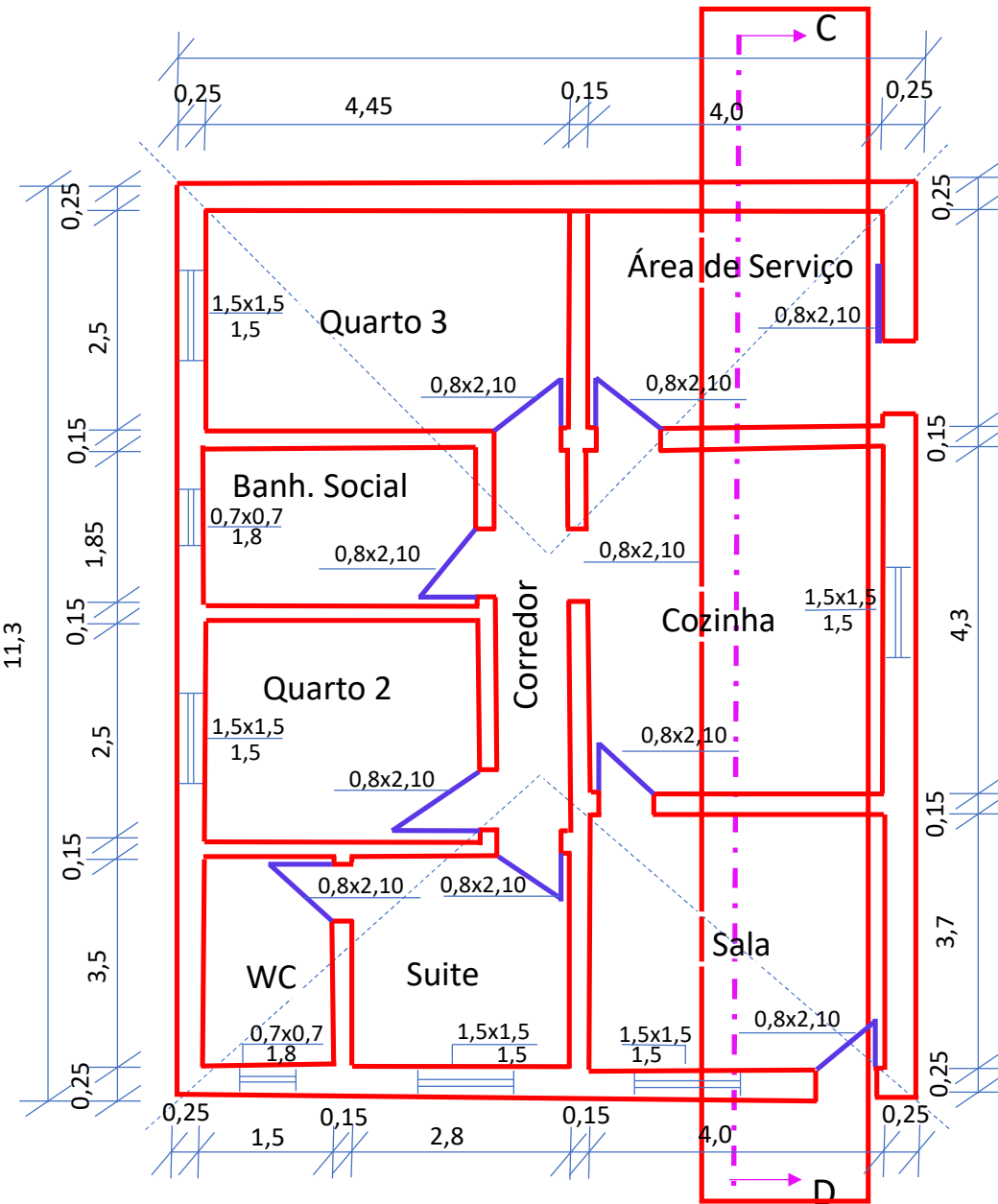
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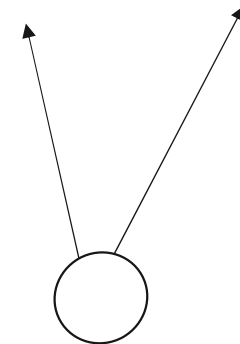
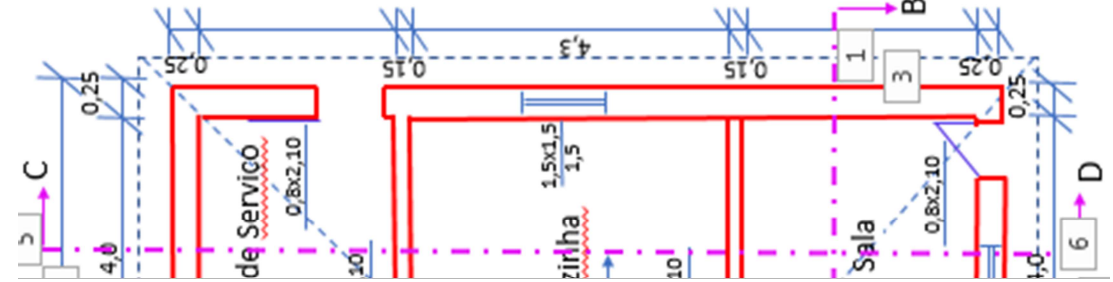
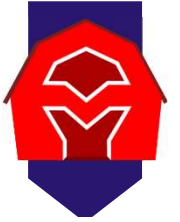
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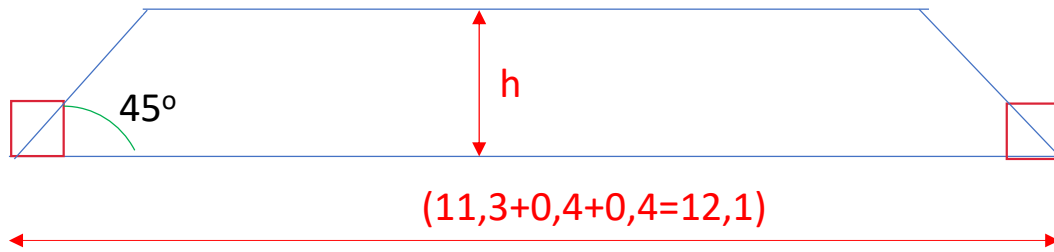
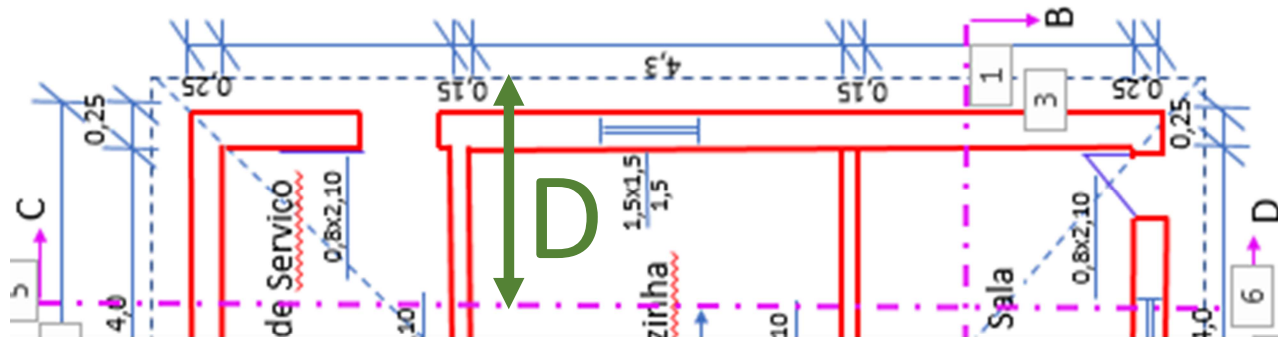


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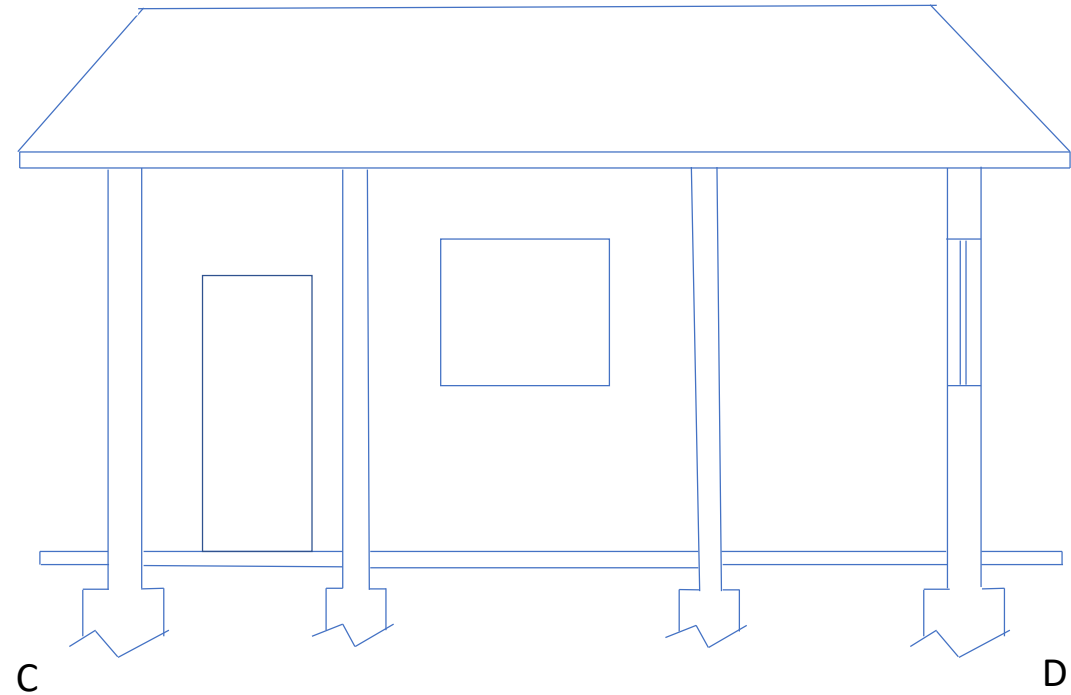


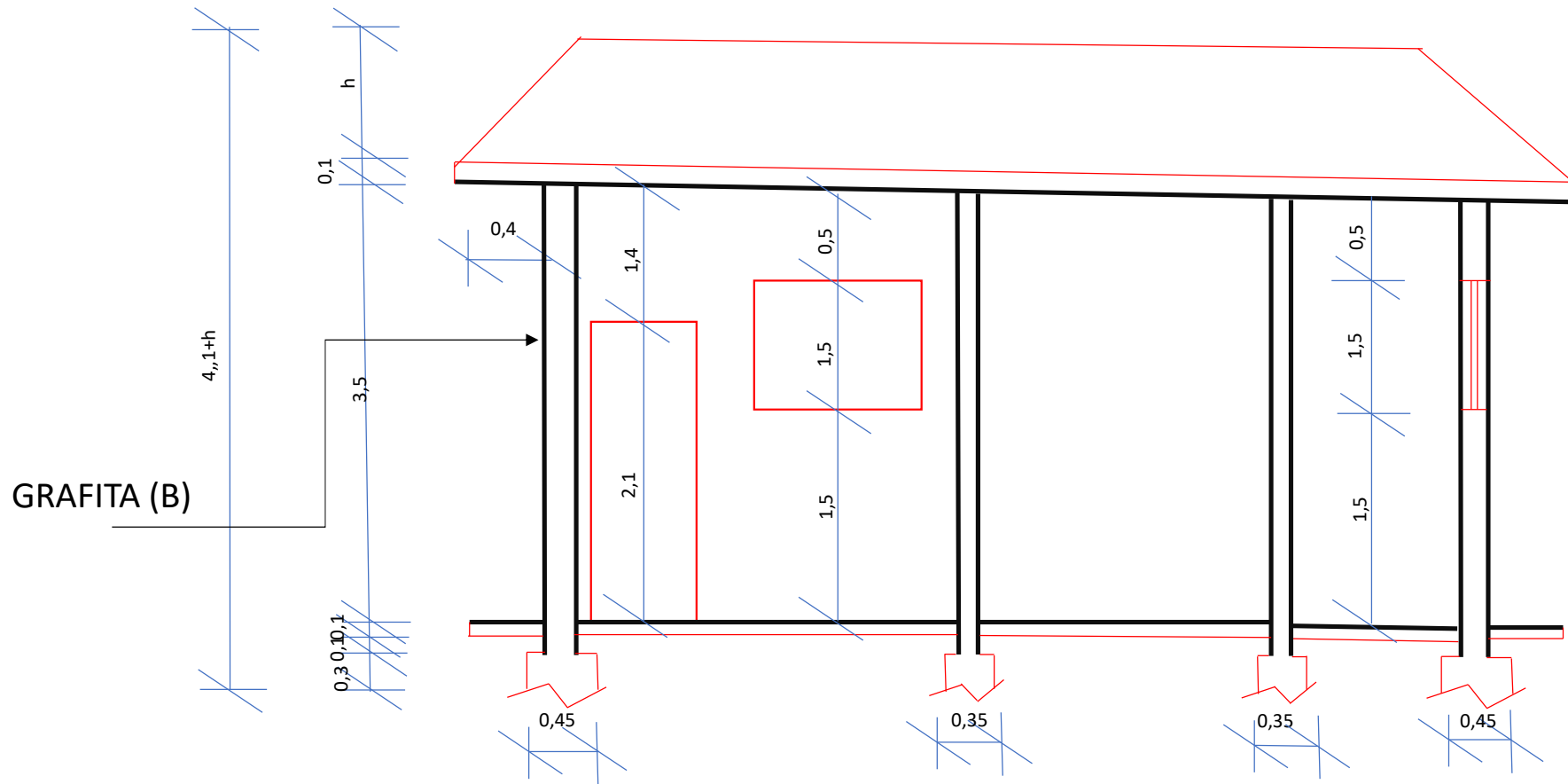
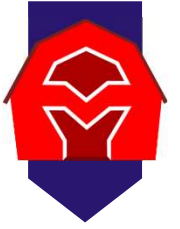


$$\tan \alpha = \frac{CO}{CA}$$

$$\tan \alpha = \frac{h}{D}$$

$$h = \tan \alpha \cdot D$$





CORTE LONGITUDINAL CD



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Obrigada!



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