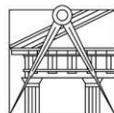


# Representação Digital

# 2023-2024

**U LISBOA**

UNIVERSIDADE  
DE LISBOA



**FACULDADE DE ARQUITETURA**  
UNIVERSIDADE DE LISBOA

Mestrado Integrado em Arquitetura  
Ano Letivo 2023-2024 1º Semestre  
Docente – Nuno Alão 2º Ano

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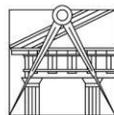
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# 20221213

## David Alves

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# ReDig



Mestrado Integrado em Arquitetura  
Ano Letivo 2023-2024 1º Semestre  
Docente – Nuno Alão 2º Ano



Faculdade de Arquitetura - ULisboa  
Representação Digital

2023/2024  
Nuno Alão

**David da Silva Alves**

20221263  
ARQ 2º Turma J



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*Caderno de Aulas*

*Exercício 1 PDF*

*Exercício 1 DWG*

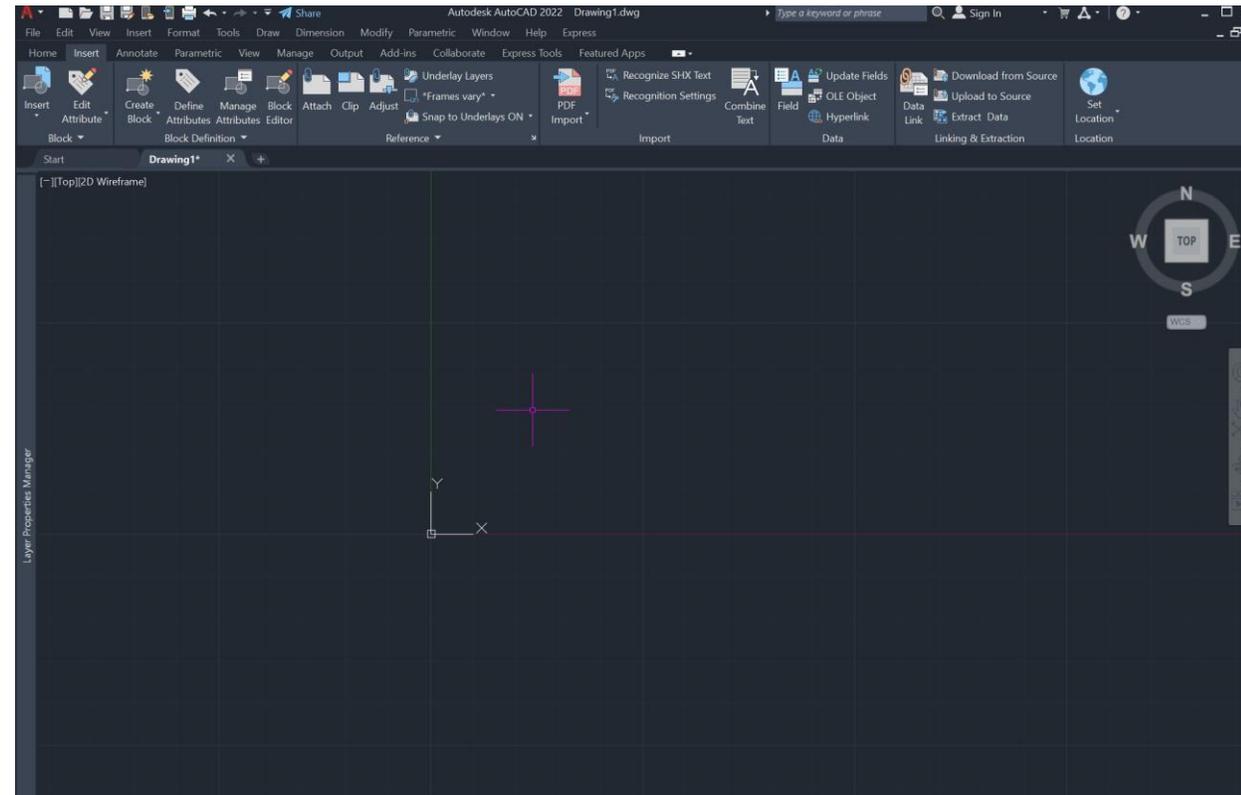
ReDig

Semana 1

# AutoCad na Unidade Curricular

Comandos para a utilização do AutoCad:

- L = Line
- PL = Polyline
- O = Offset
- CO = Copy
- M = Move
- DI = Dist
- CL = Close
- TR = Trim
- H = Hatch
- E = Erase
- STR = Stretch
- RO = Rotate

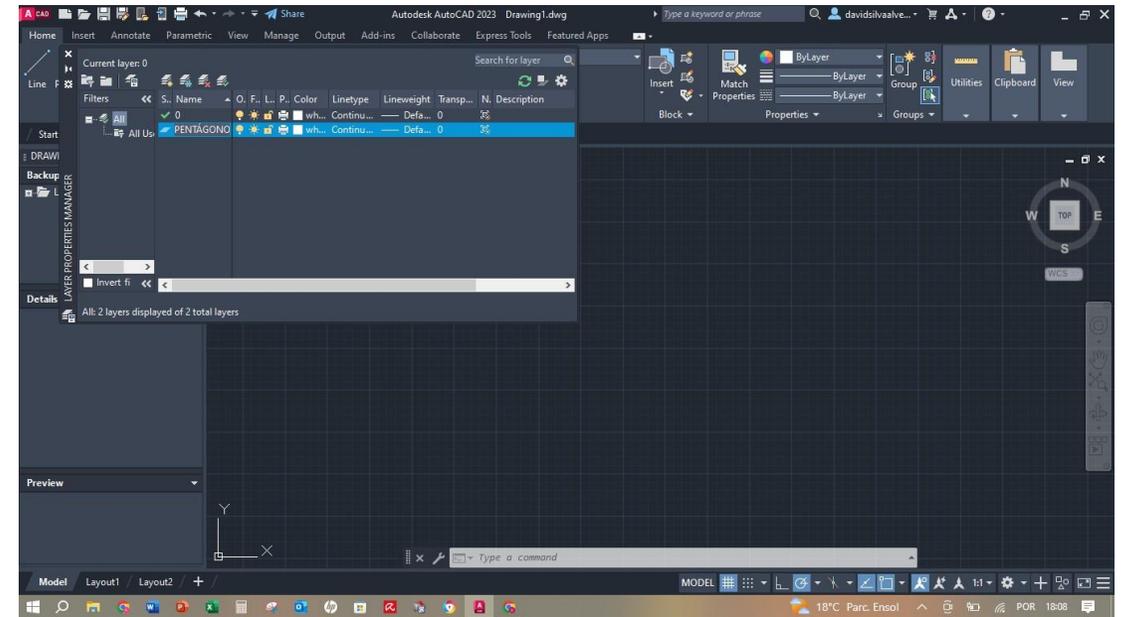
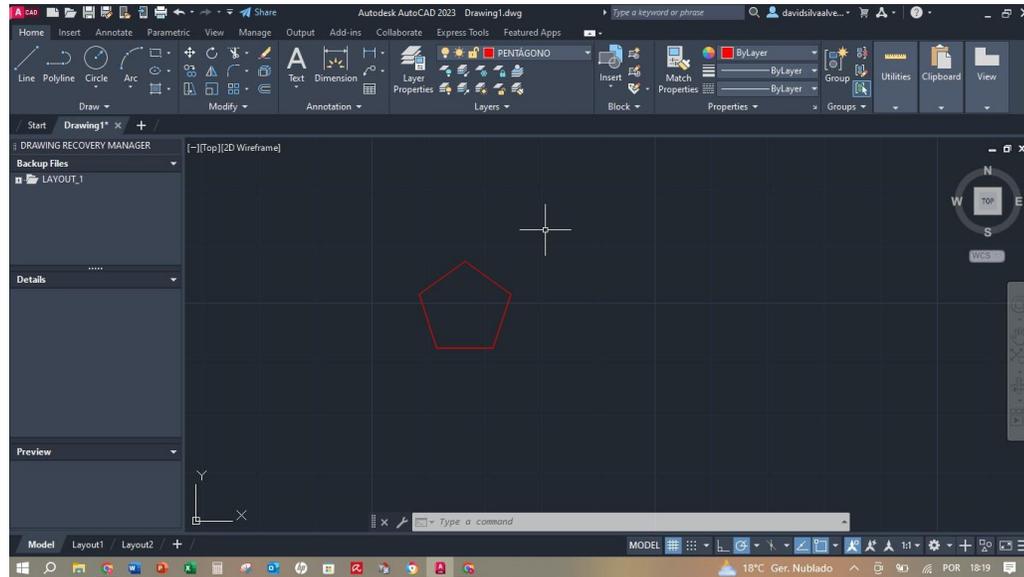


ReDig

Semana 2

# Construção do Pentágono

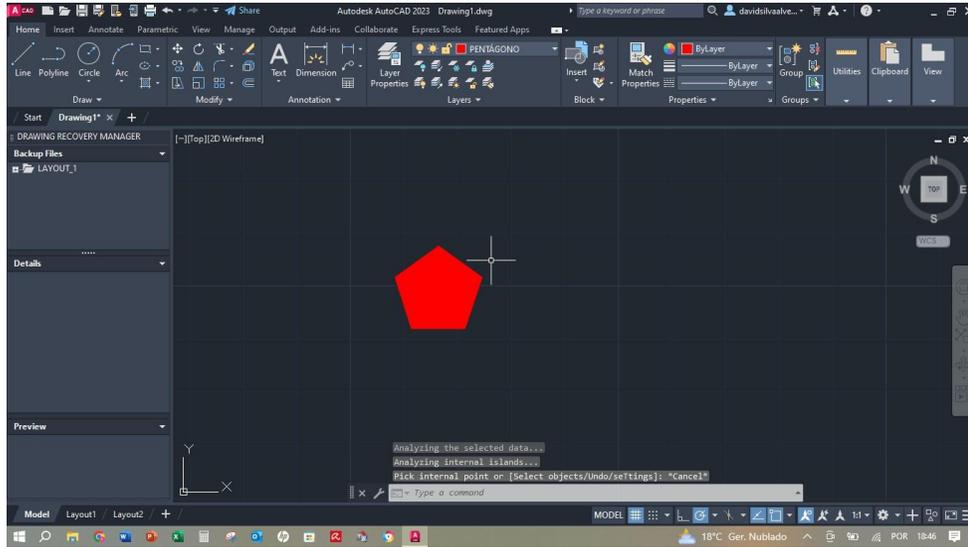
# Criação de Layers



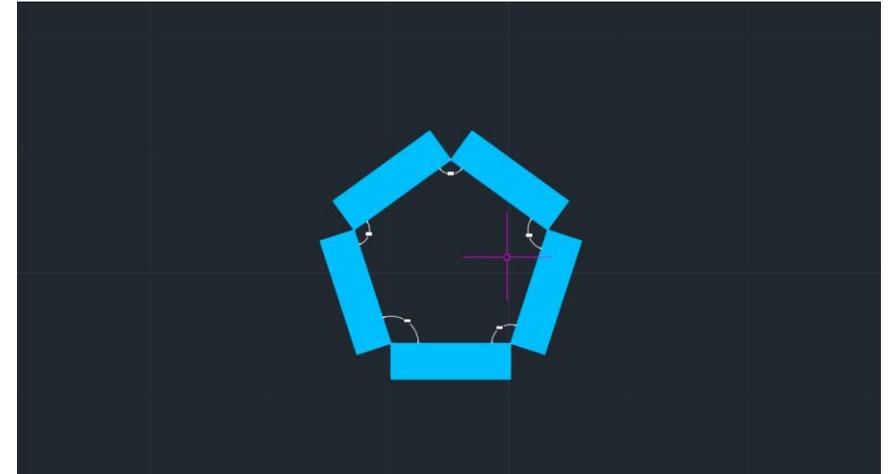
ReDig

Semana 2

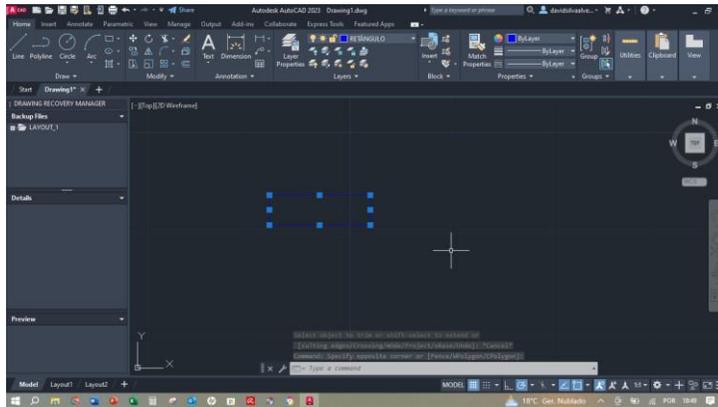
# Construção de um retângulo



**Preencher e colocar os retângulos ao pentágono com o comando HATCH e ROTATE**



**Com o comando COPY fazer mais 4 retângulos**

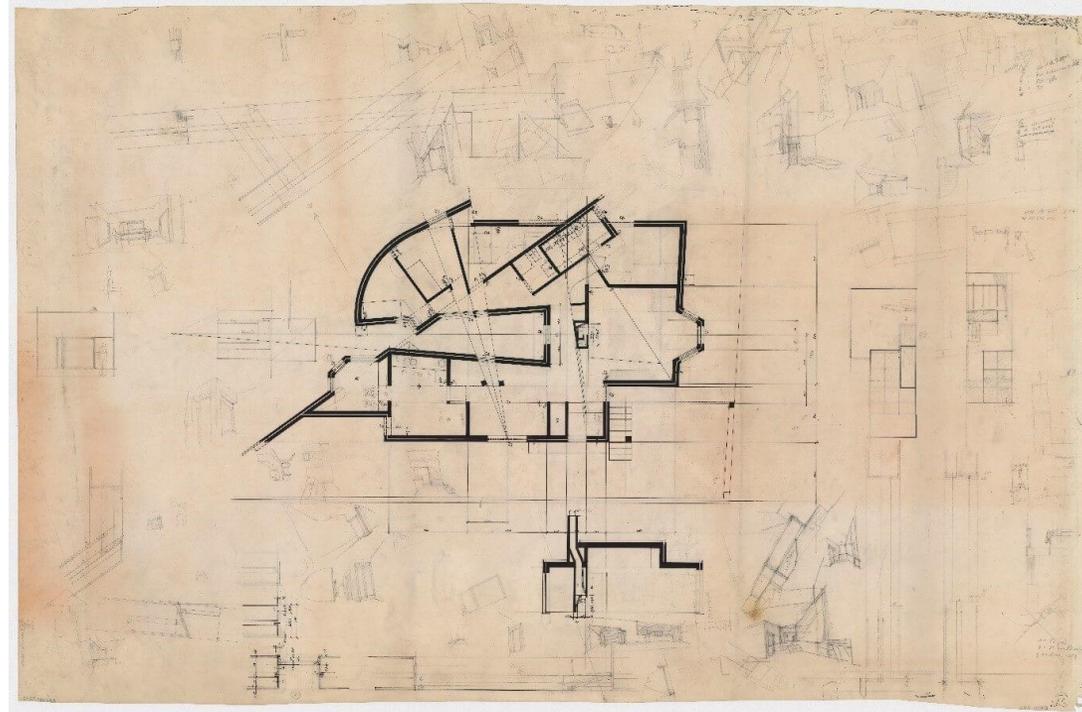


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Semana 2

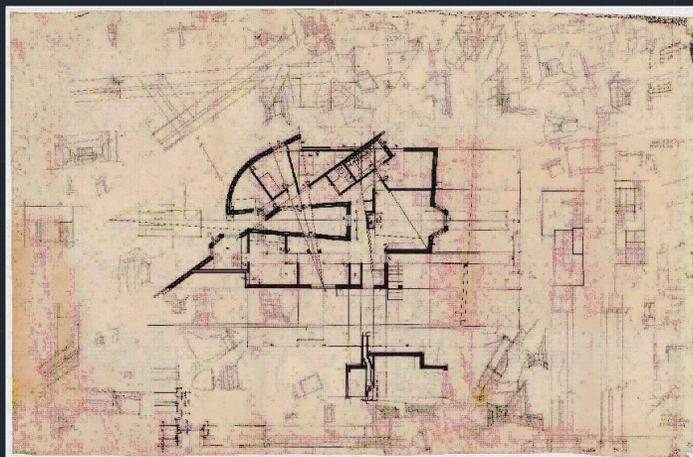
# Novo Trabalho

## Planta da Casa António Carlos Siza



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Semana 2



**SCALE** – Para escalar a imagem da planta através de uma medida geral que no meu caso usei a largura de um dos degraus ou seja 30cm

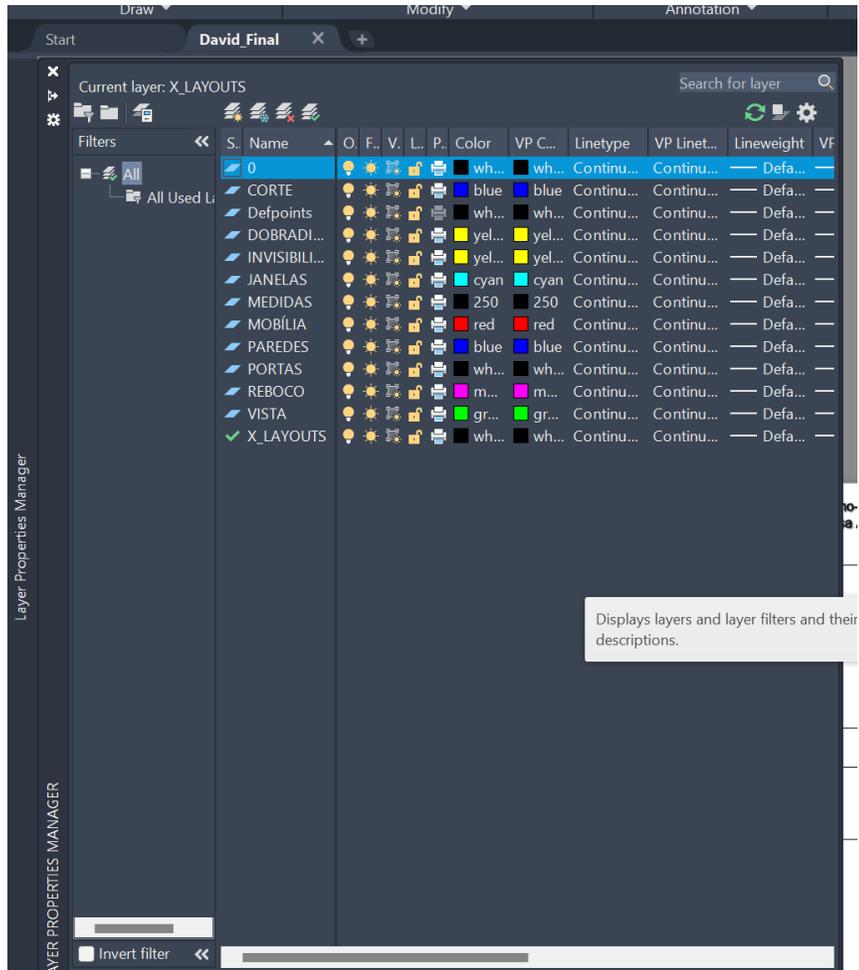
**ATTATCH** – Para inserir a imagem no autocad

**ALIGN** – Para alinhar a imagem

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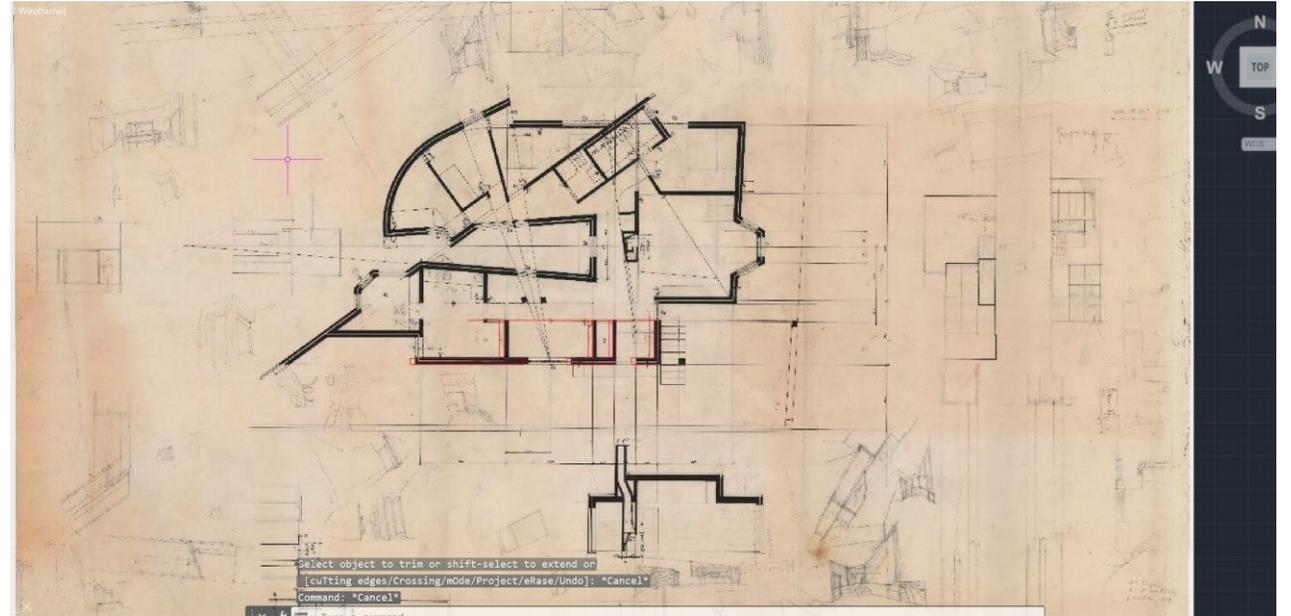
Semana 2

## Criação de layers para o trabalho



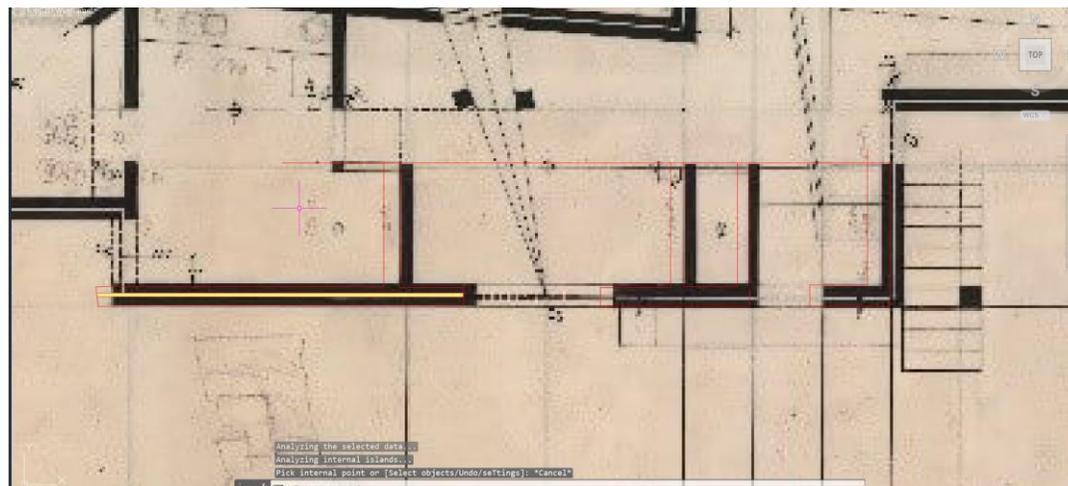
ReDig

## Começar a passar por cima da planta à escala 1/100



Semana 2

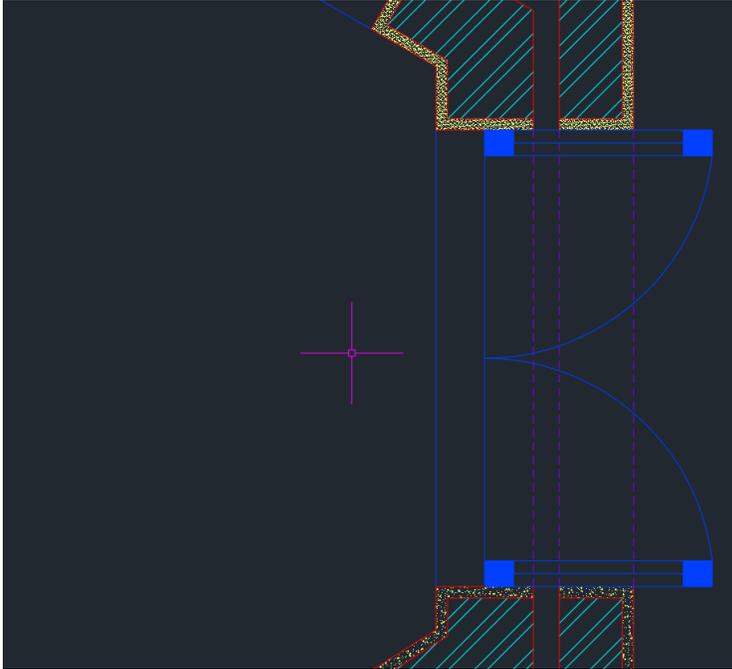
**Trabalhar na escala 1/10 sobreposta à escala 1/100**



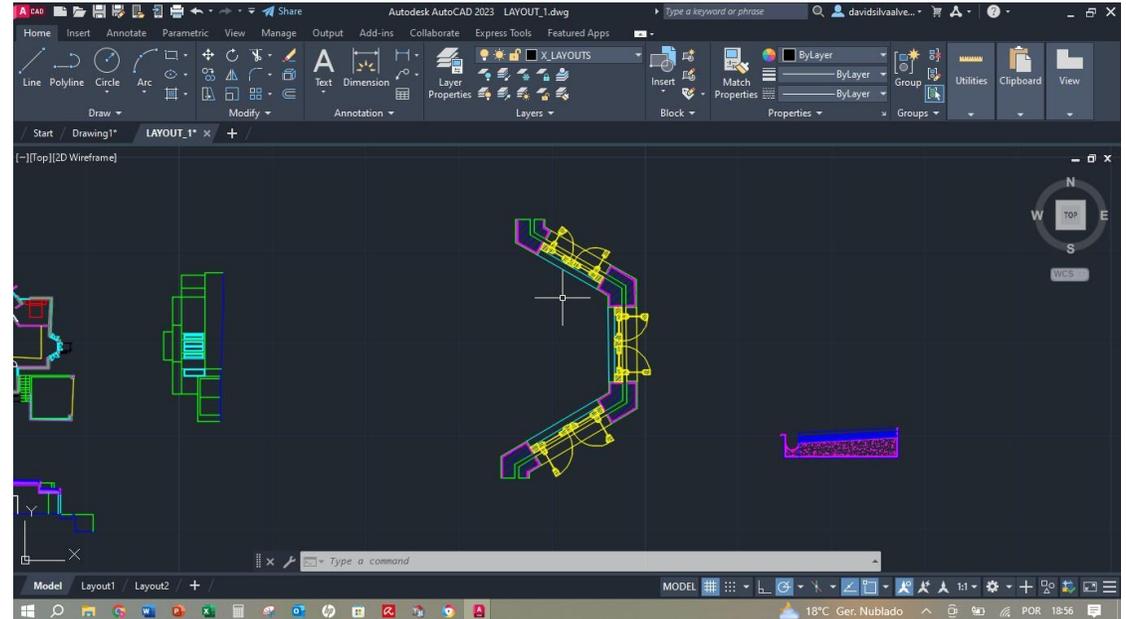
ReDig

Semana 2

## Properties – Linhas Invisíveis



## Representação das Janelas

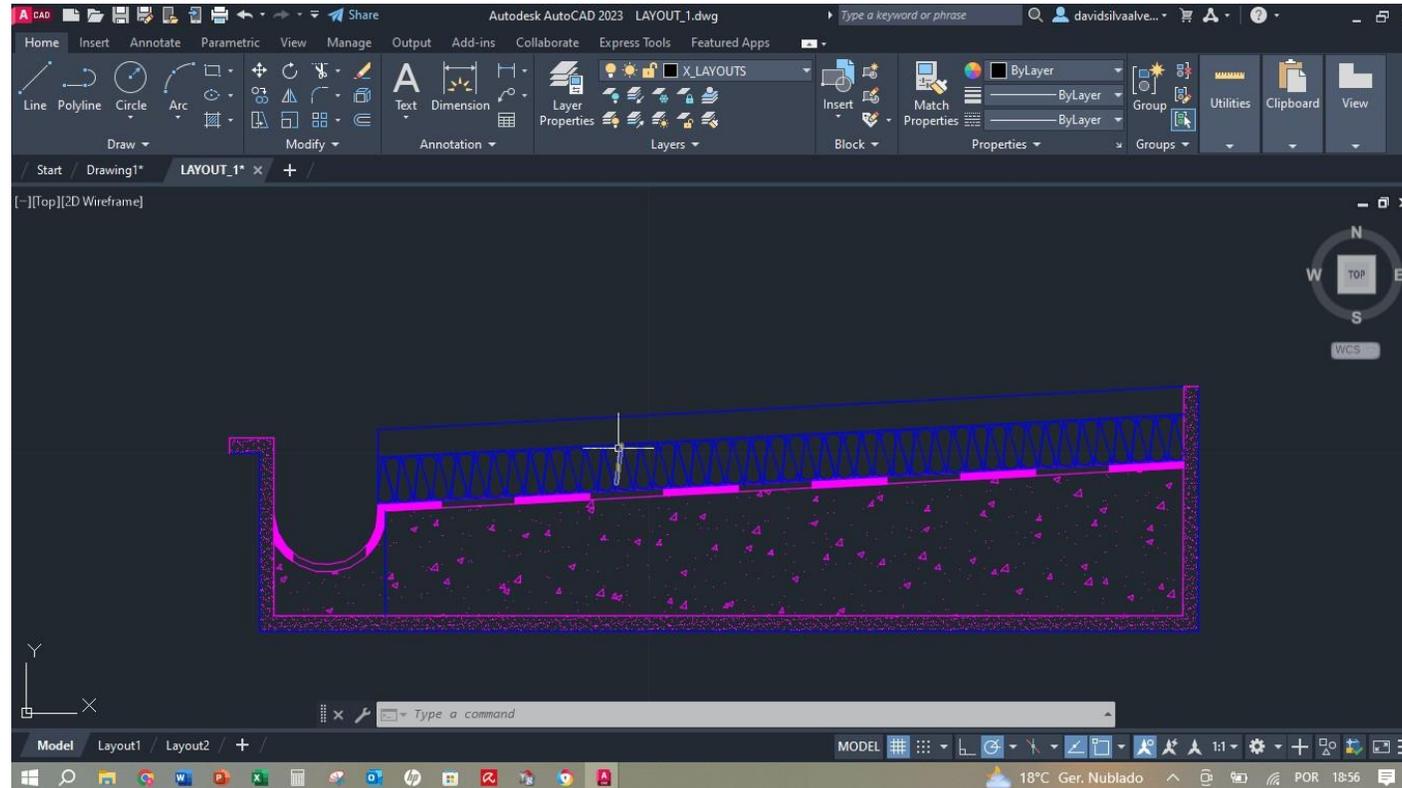


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Semana 3

## Hatch das paredes

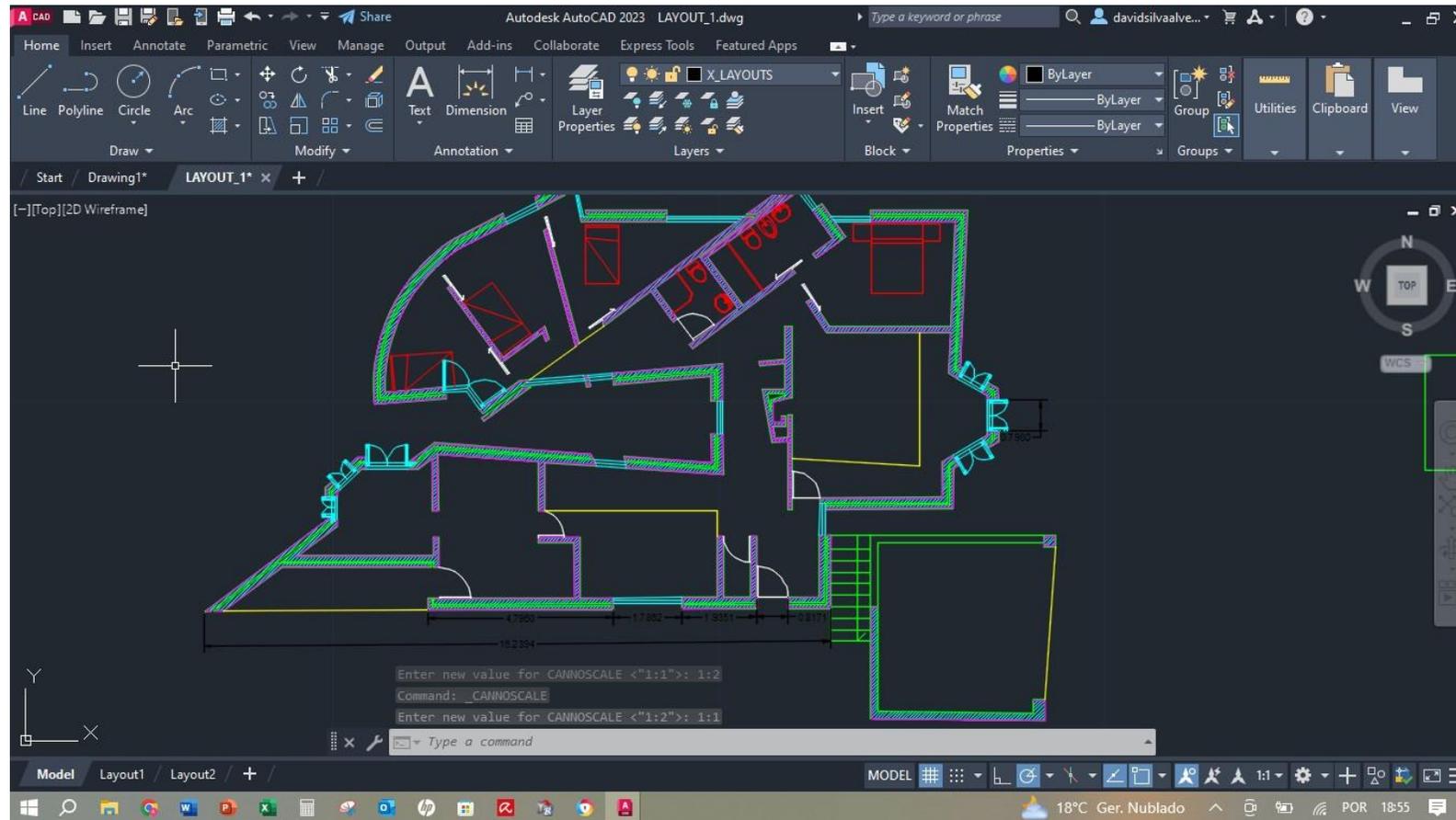
- Ar – Sand (Reboco)
- ANSI32 (Tijolo)



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Semana 3

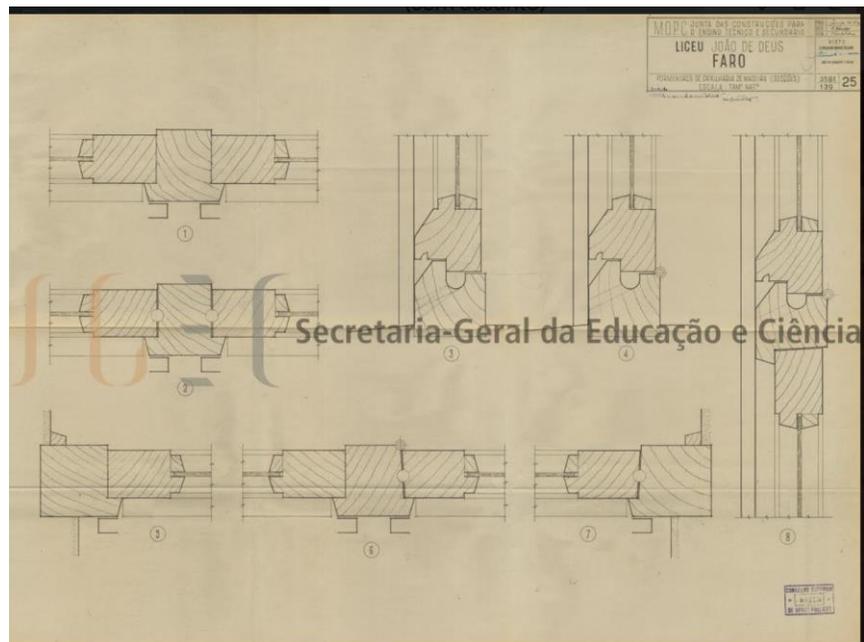
# Representação final da Planta



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Semana 4

## Representação do caixilho



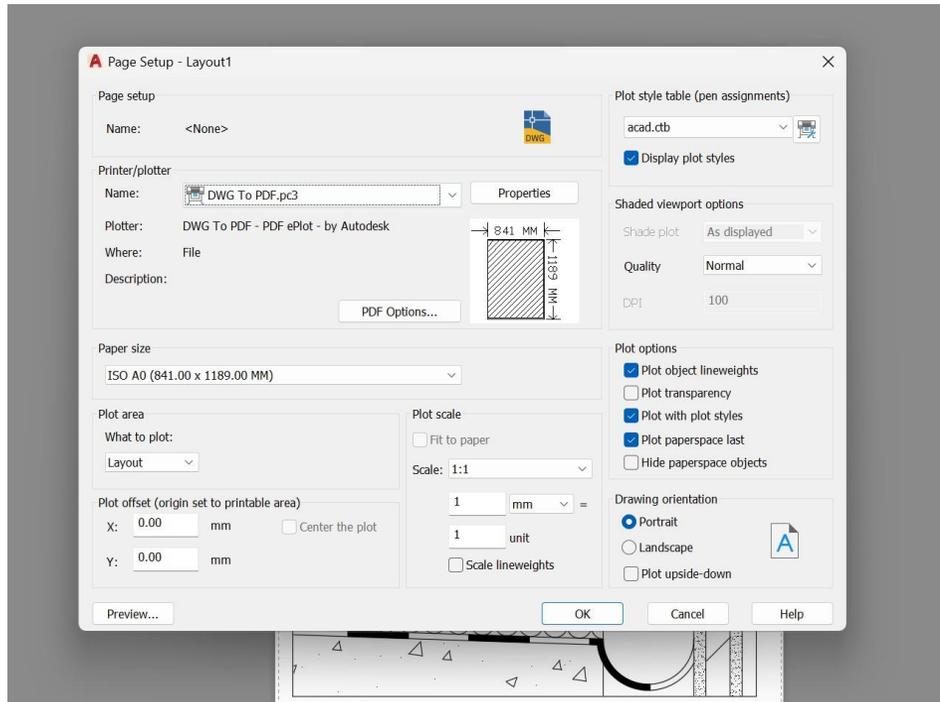
ReDig

## Caixilho no autocad



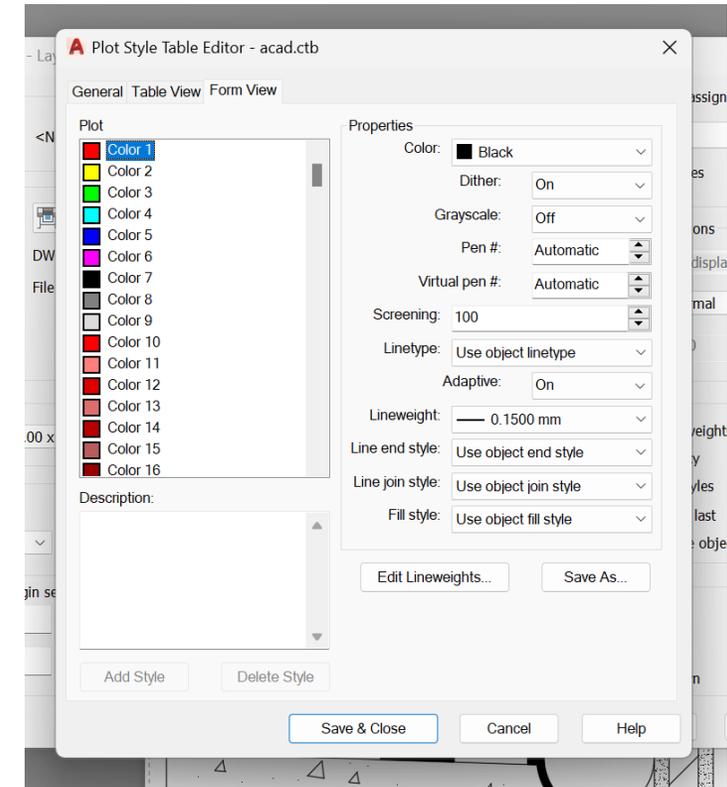
Semana 4

## Edição do layout de impressão



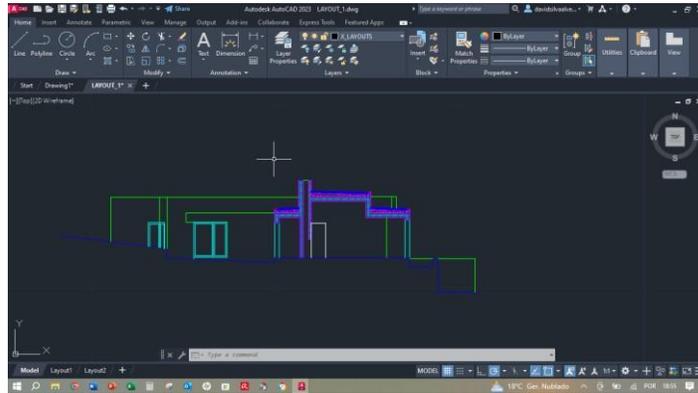
ReDig

## Canetas de impressão

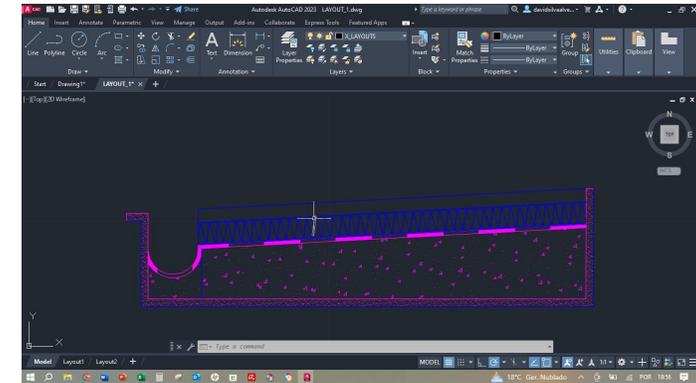


Semana 4

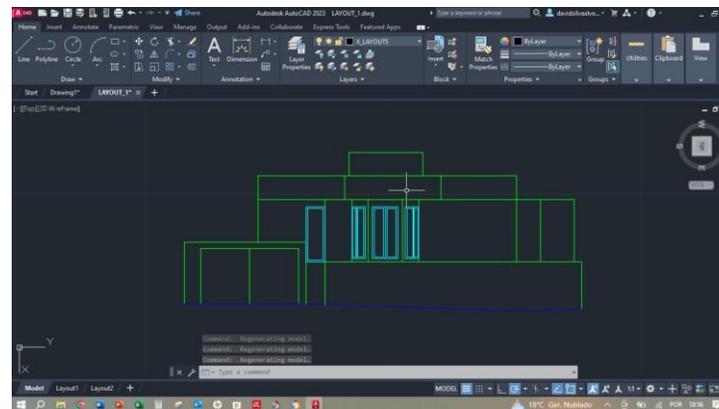
## Representação do corte



## Representação do pormenor do corte



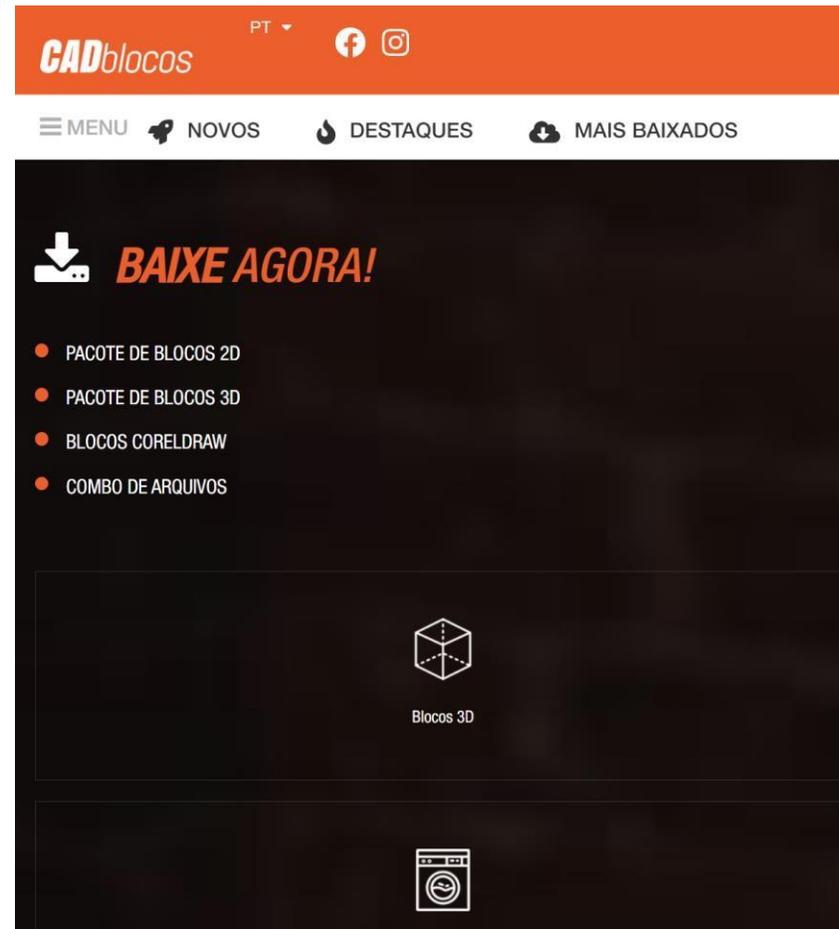
## Representação do Alçado



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Semana 5

## Onde buscar as representações das mobílias para a planta da casa

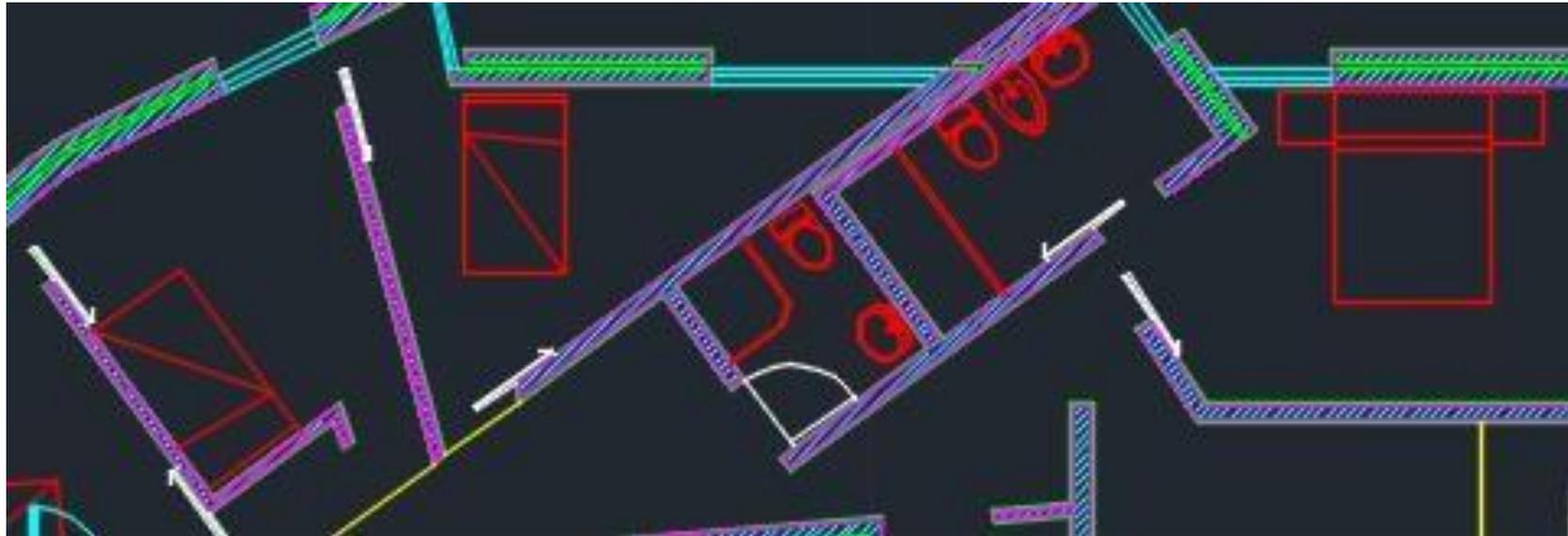


Usando os blocos cad,  
pesquisar e baixar o  
que for preciso

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Semana 6

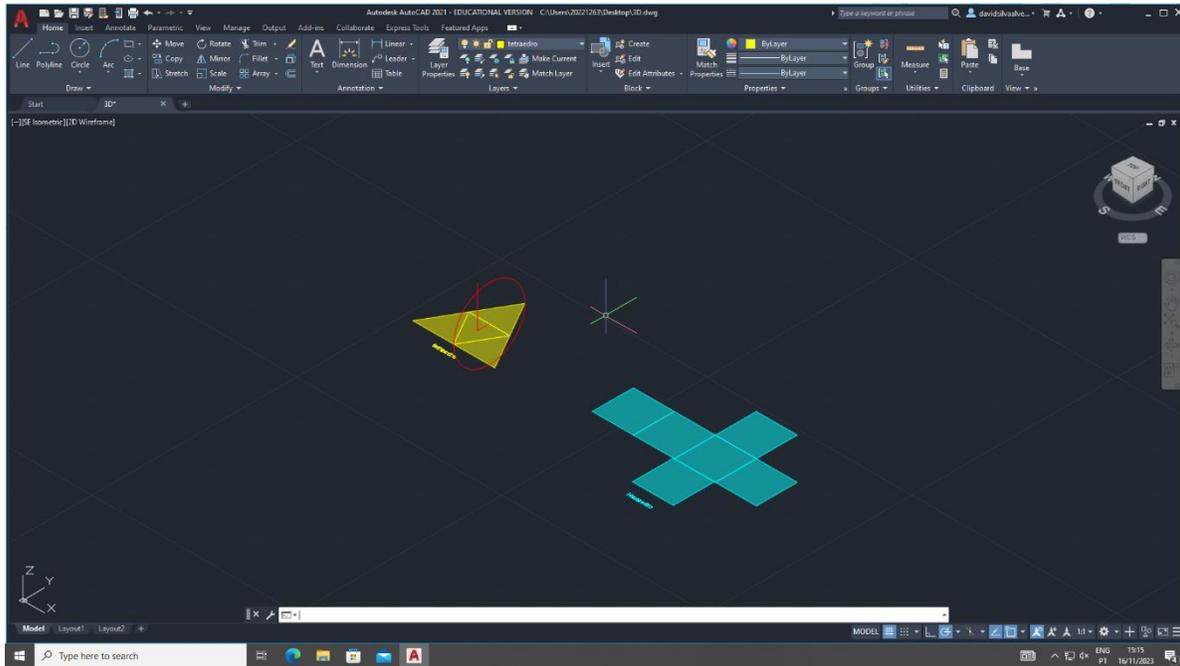
## Mobílias



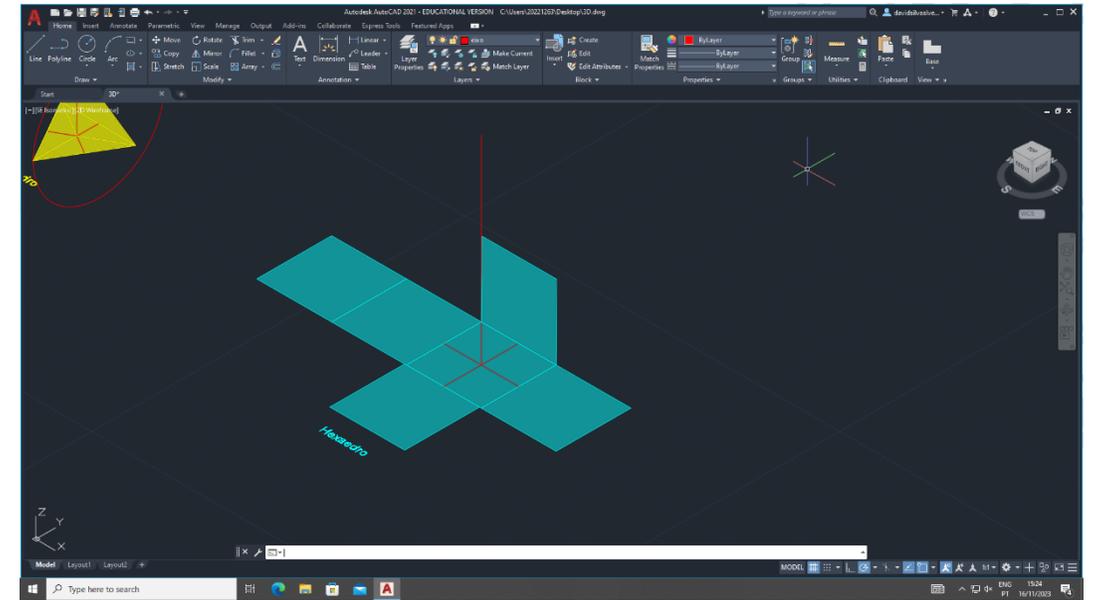
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Semana 6

## Criação dos Sólidos



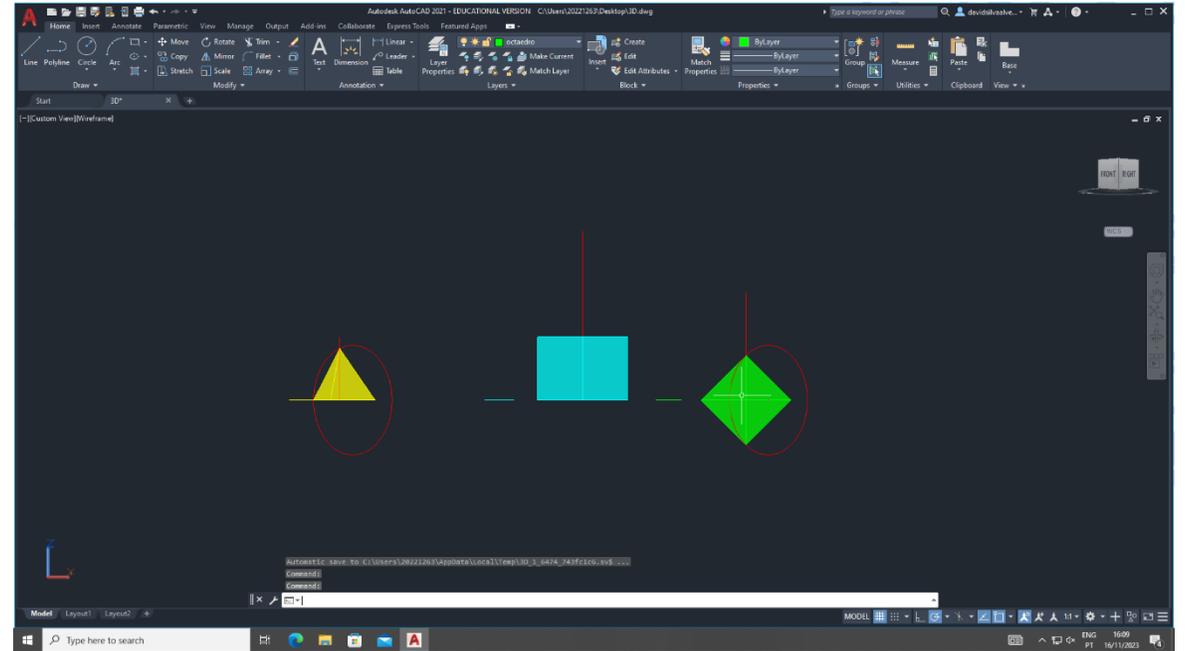
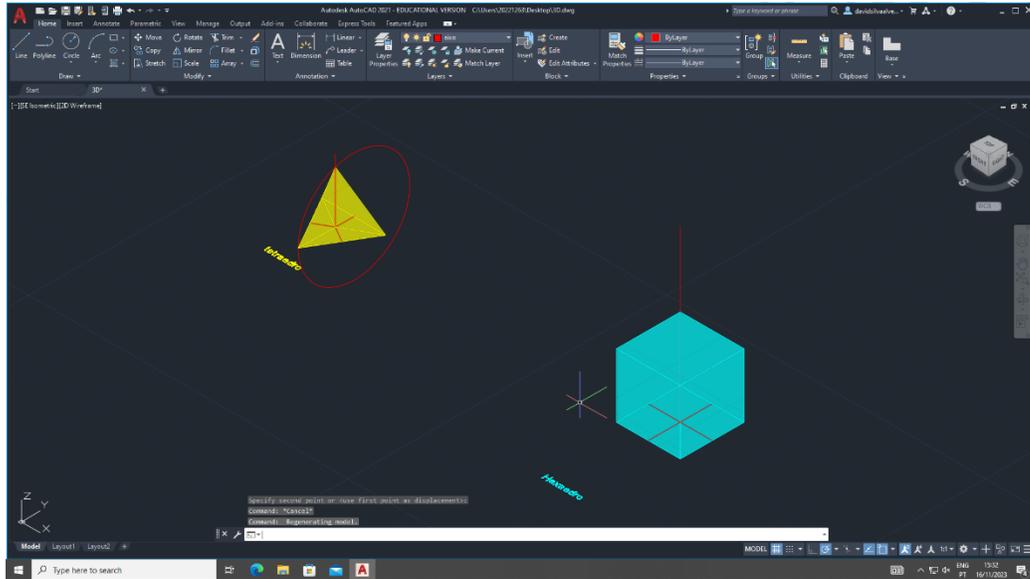
## Montagem 3D dos sólidos



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Semana 7

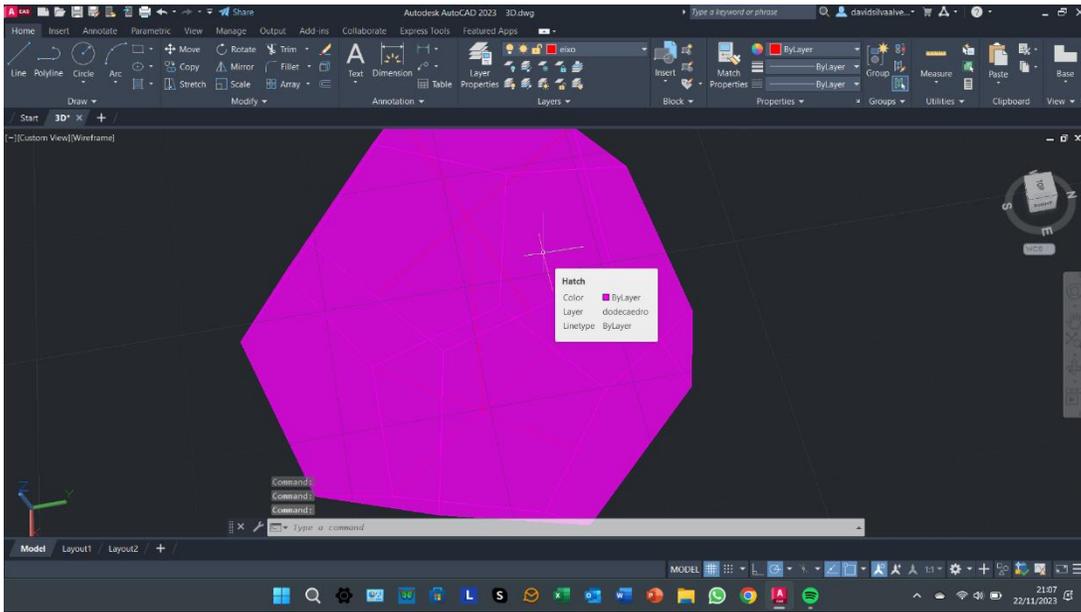
# Montagem final



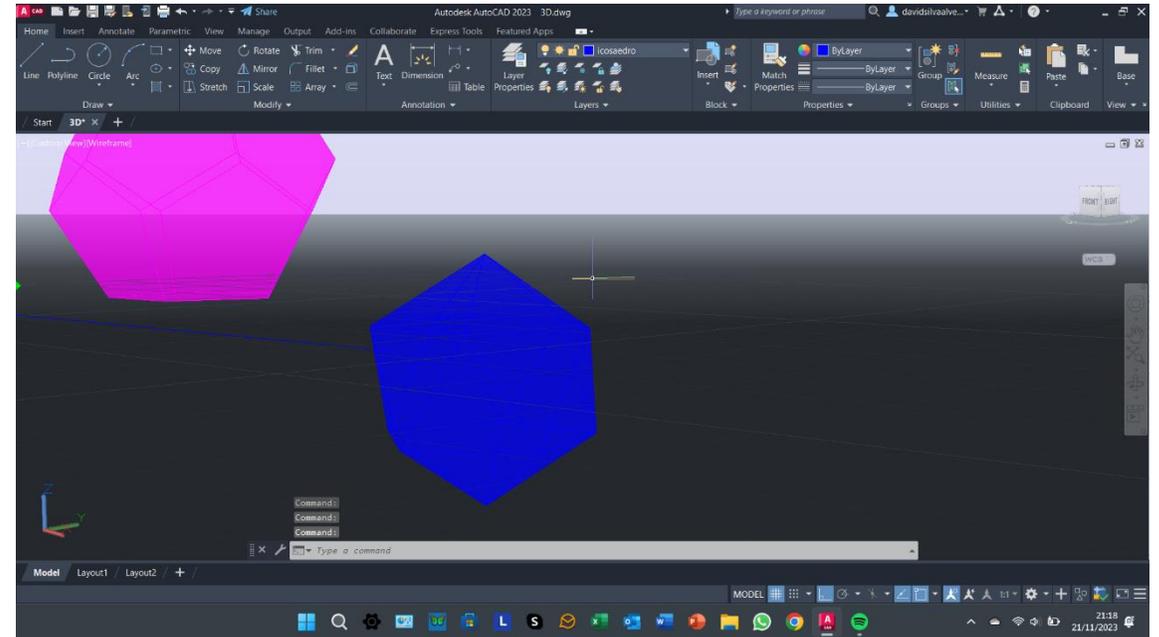
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Semana 7

## Montagem de todos os sólidos

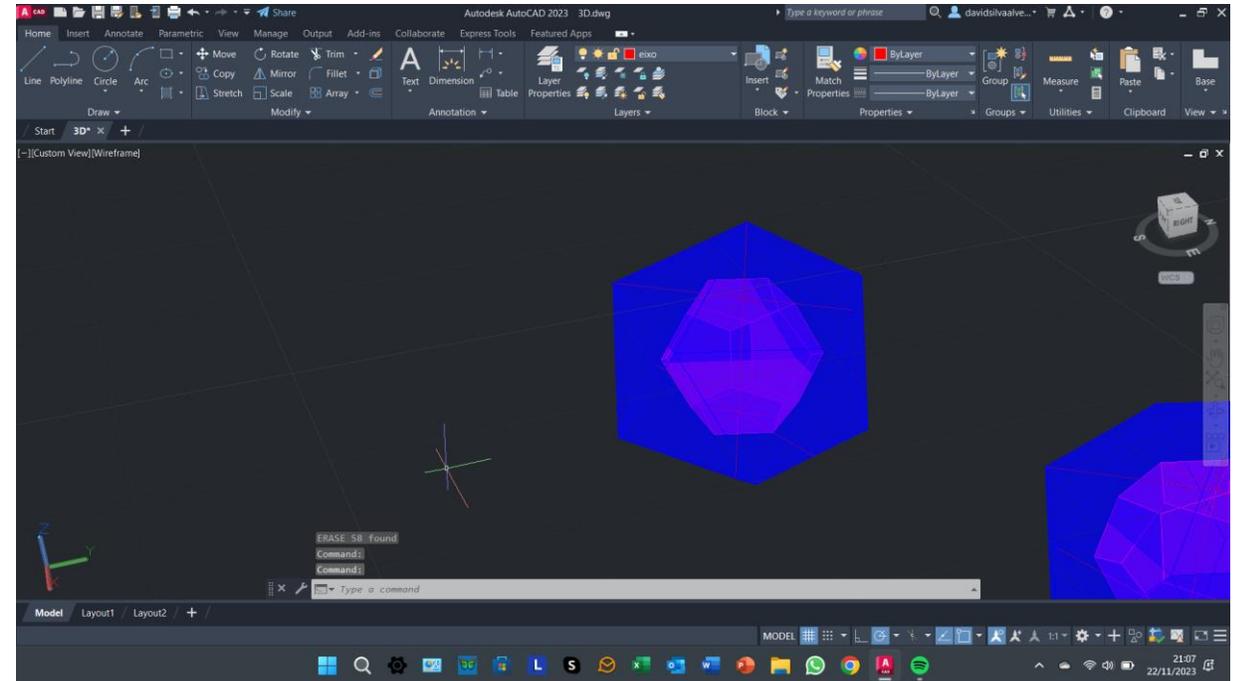
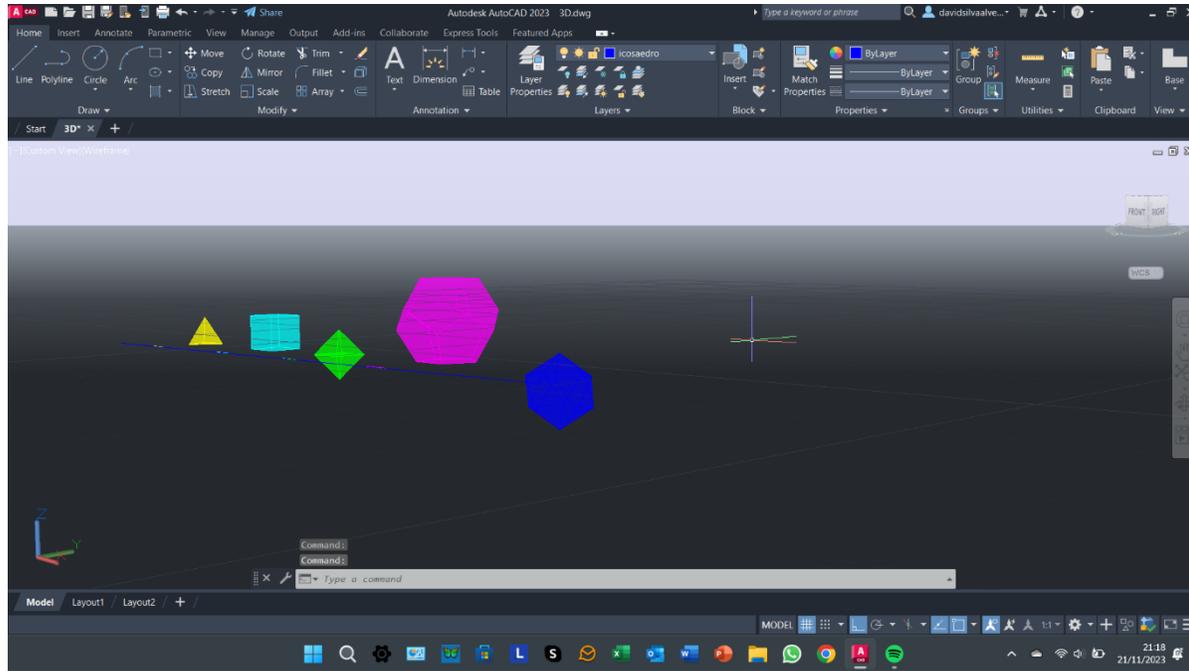


ReDig



Semana 7

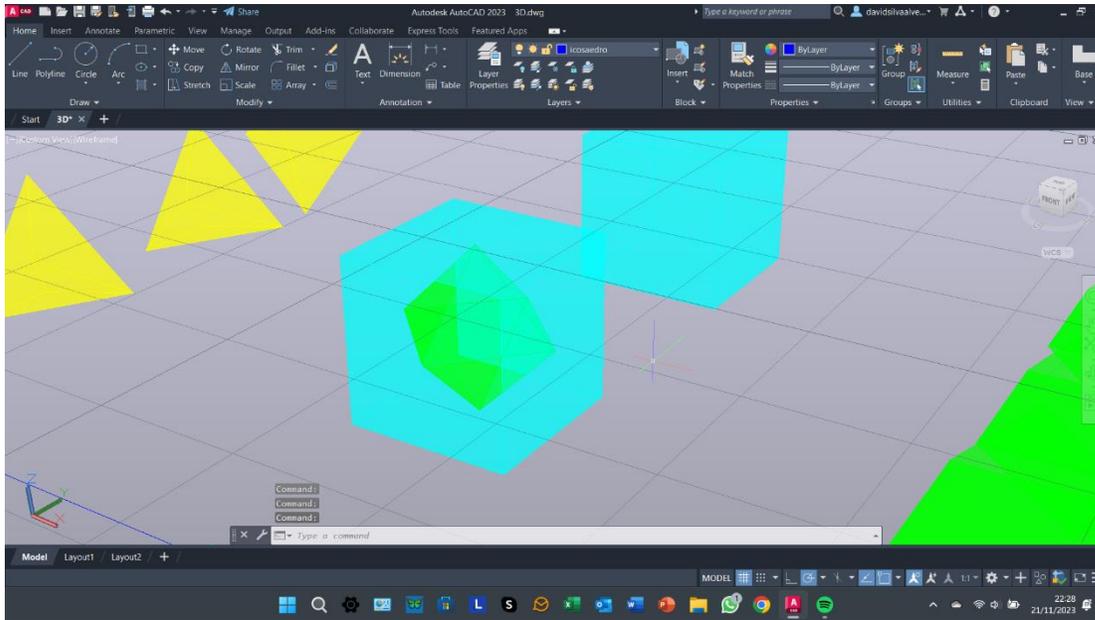
## Inserção a pares, criando 3 objetos diferentes



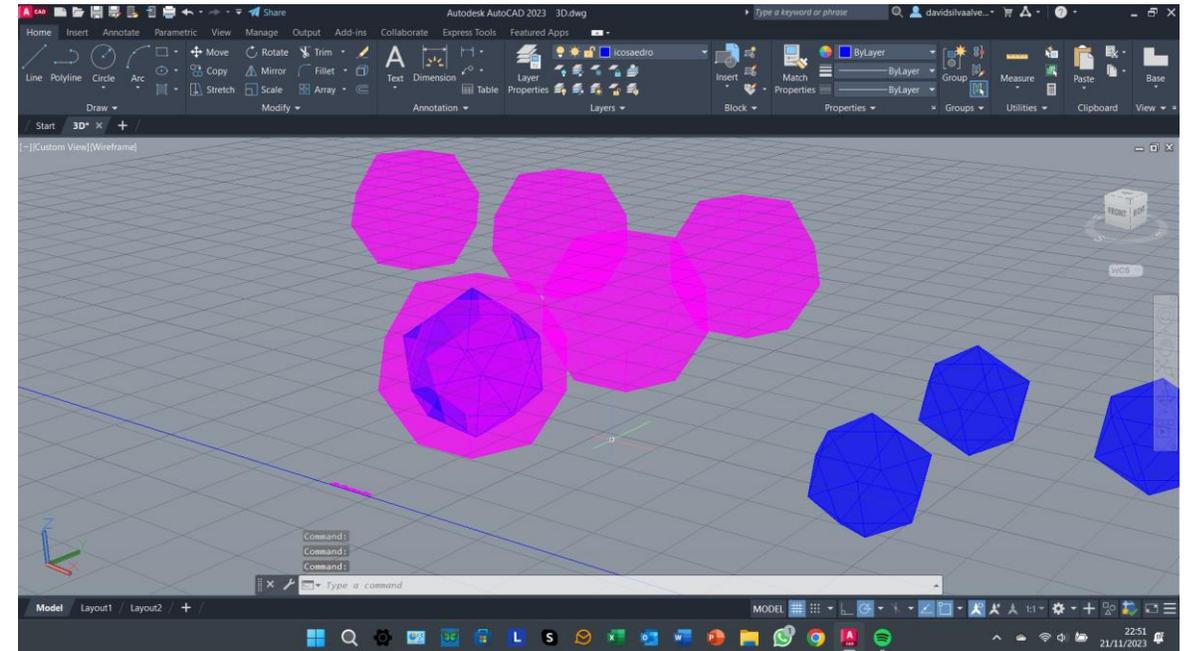
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Semana 7

## Inserção de uns sólidos dentro de outros

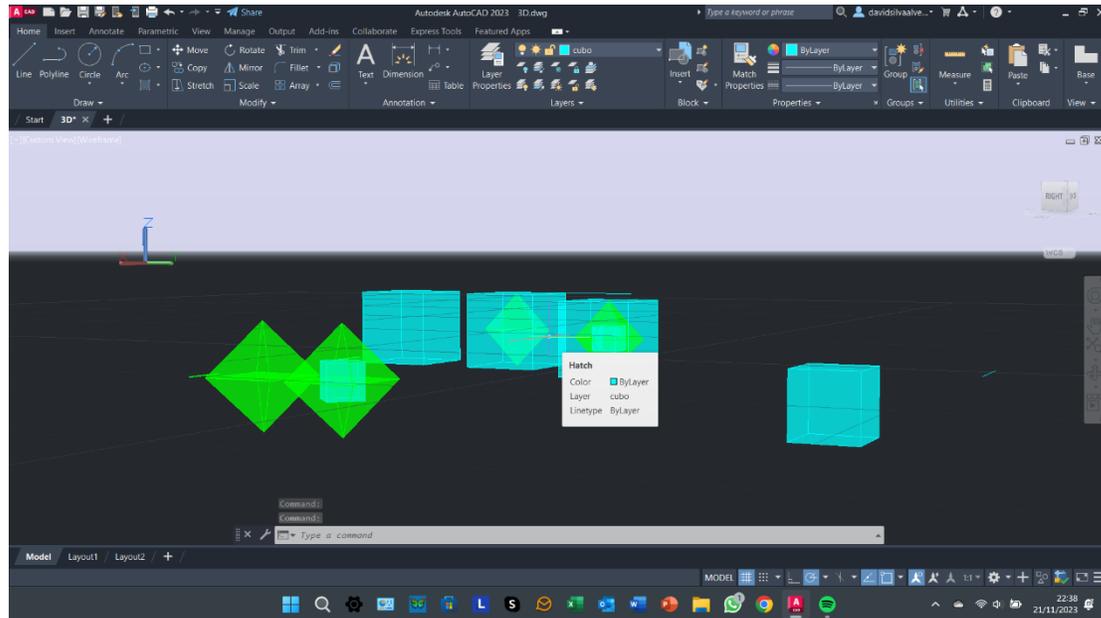


ReDig

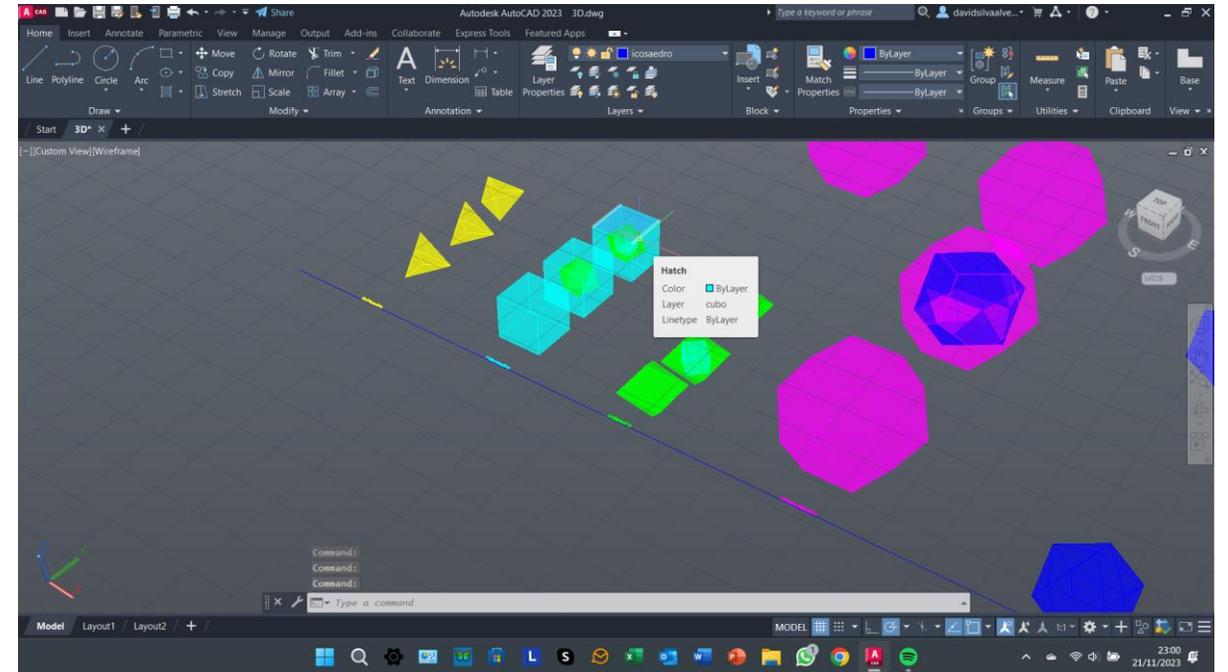


Semana 8

## Continuação da inserção dos sólidos

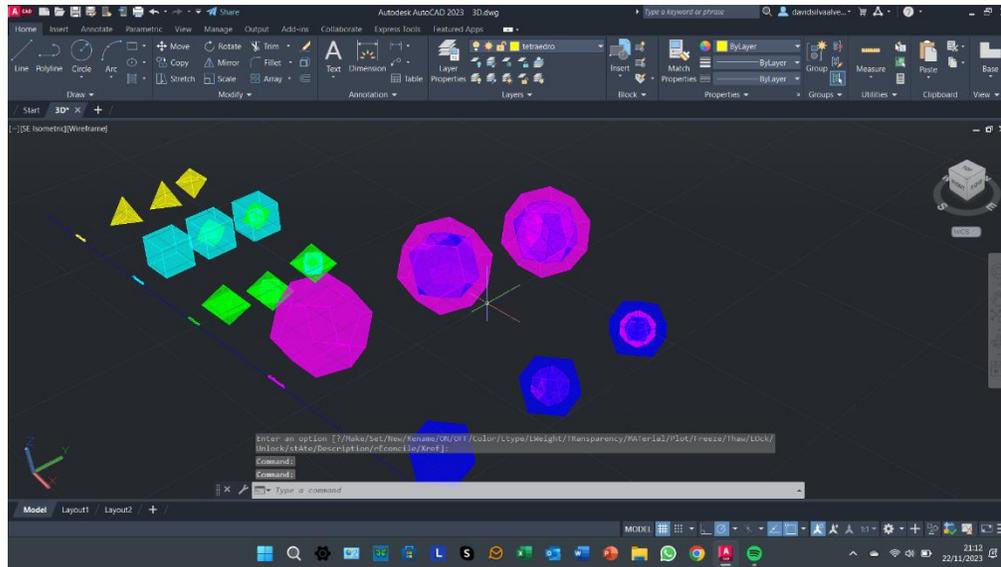


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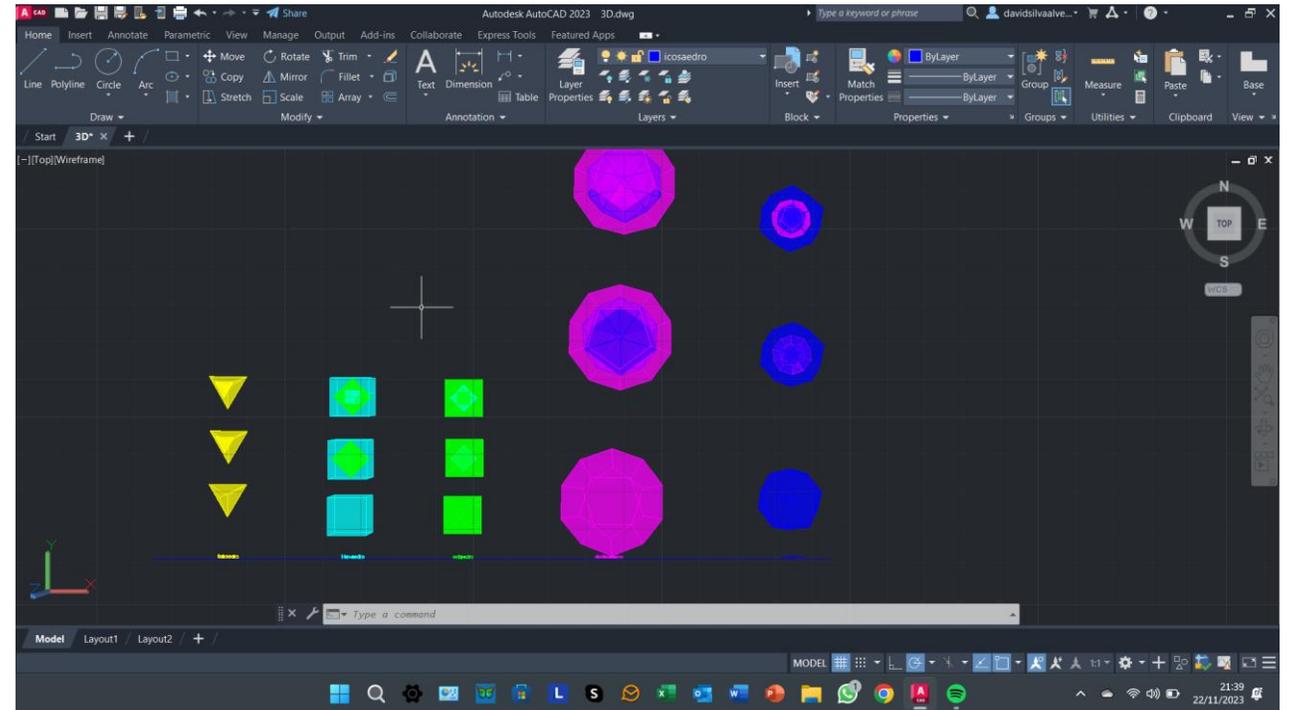


Semana 8

## Conclusão da interseção dos sólidos

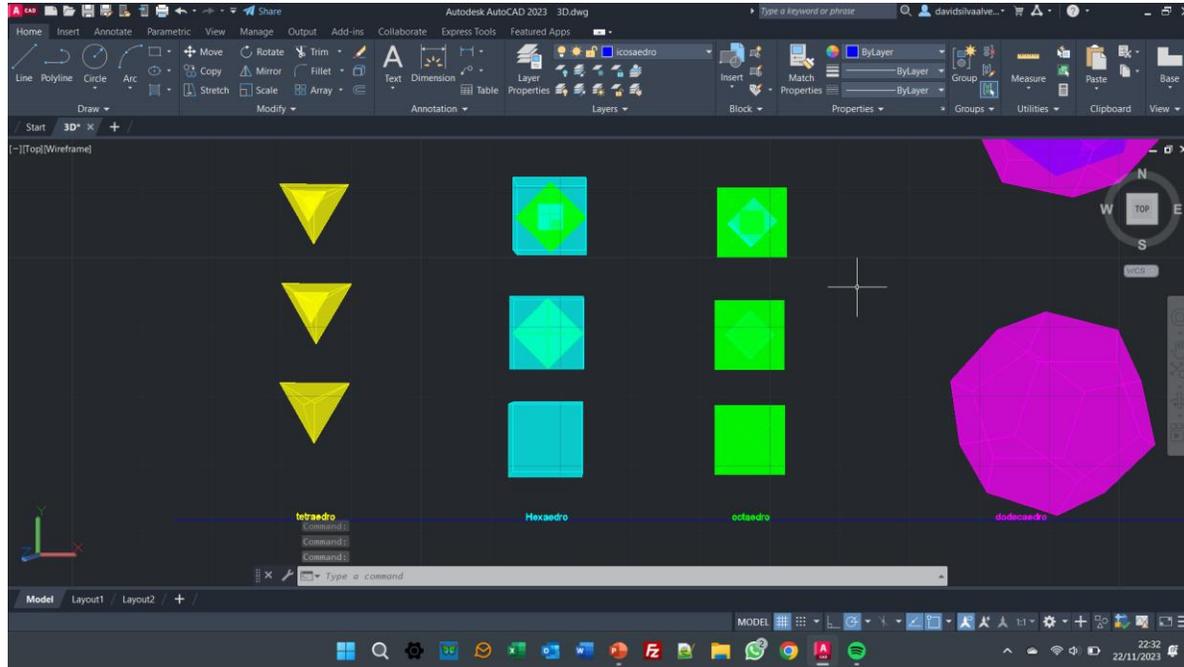


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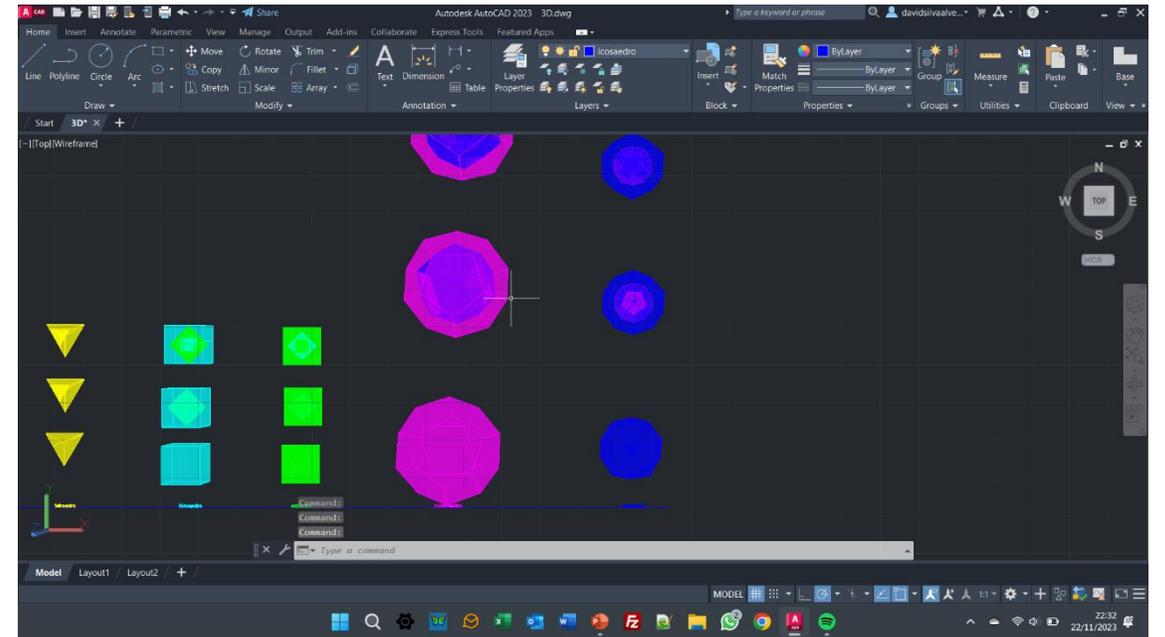


Semana 8

## Finalização do exercício

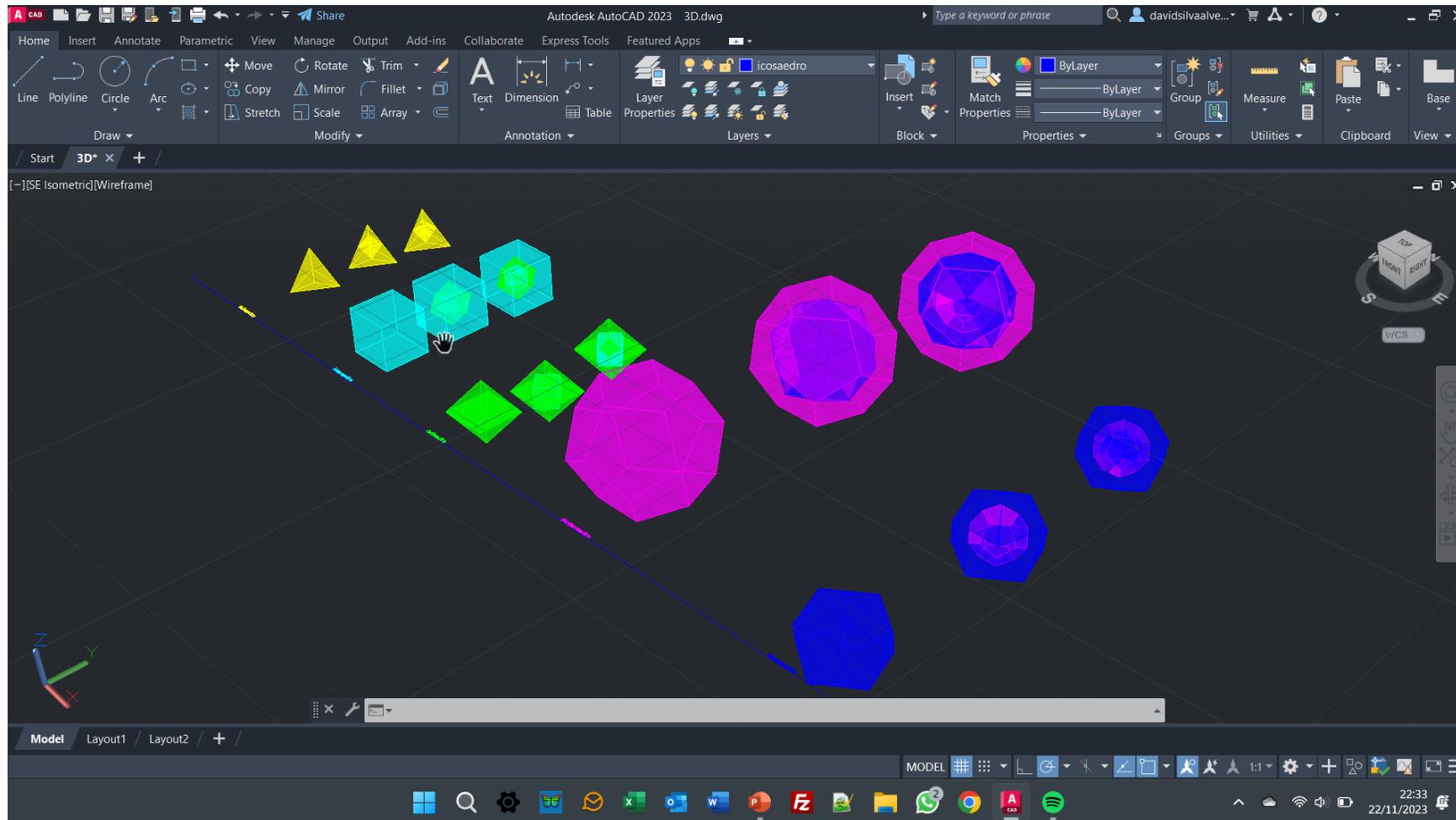


ReDig



Semana 8

# Exercício Final



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Semana 8