### 1.apertura revit, da "family" aprire il file "generic model"

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2.creare una maglia di riferimento con <u>reference plan</u>,gli assi sono a una distanza di 2000x1000 dai riferimenti fia presenti

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# 3.andare in "create" e creare <u>extrusion</u> a base rettangolare, dare il check e impostare la visualizzazione" shaded" (in basso a sinistra)



#### 4.andare su allign e allineare i bordi del solido con la maglia e chiudere il lucchetto

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#### 5.aggiungere le quote tra i piani di riferimento in "aligned"

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6.in family types aggiungere nuovi parametri "spessore" come tipo, "larghezza" come istanza "altezza da terra "come istanza e "profondità" come istanza(e togliere il lock!)



#### 7.assegnare i parametri alle quote corrispondenti selezionando la quota ,da" label"

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8.cambiare vista in "front" creare un nuovo piano di riferimento orizzontale rinominandolo "top", impostare la vista "shaded" e dare alla distanza dei piani la quota alla quale assegno il parametro "altezza da terra"



9.comando <u>allign</u> del solido all'asse "top" e bloccare con il lucchetto ,attribuire all'altezza il parametro spessore



10.dopo aver salvato il file aprire un nuovo file "project " e inserire metric come sistema di riferimento e creare una griglia di piani di riferimento sempre 1000x2000.

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11.su "insert" andare a caricare la famiglia in "load family" e inserire il file precedentemente salvato che si troverà a sinistra in "project browser" come modello generico



## 12.creare una superficie unica composta dai solidi che verrà poi modellata successivamente importando il modello dalla colonna a sinistra



#### 13.iniziare a variare i parametri dell'altezza da terra con moduli di 0.5/1.5



14.dopo aver eliminato la parte centrale dei solidi ,variare i parametri per far alternare la prevalenza in ampiezza dei due parametri "profondità e larghezza"

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