Tips and Tricks
Items drawn from AppliCad's Customer Service file

Tips and Tricks # 47



Complex Multi-level Roof



My suggestion for completing this job - First model the main body of the roof.



Add the dormers, had to guess a couple of dimensions but the result looks OK.

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Dormer Defaults			— ×-
Dormer Material	Metal 👻		Locate the Dormer by :
Type of Dormer	Gable 💌		Insert at Apex
Slope	12.00	in 12	
Distance along Eave	20.85	m	Insert along Hip
Setback from Eave	0.00	m	
Width	25.00	m	
Projection Length	0.00	m	
Draw Side Walls ?	Yes		
Side Eave Overhang	0.00	m	
Gable Overhang	0.00	m	
Gap Width	0.00	m	
Offset from Eave to Gap	0.00	m	
Side Style	Both Horizontal	•	
Eave Type	Fascia&Gutter	•	
Continue	Previ	ew	Insert?



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Wall direction and distance × U 7 0.00 M Direction 0 **4** R 0.00 lft L Distance 0.00 17 DIV Slope in 12 ... Hor-Vert Insert Close Bay Finish Stepback Cancel Stepforward ?



Then use **Construct Roof > More... > Mirror** – select the items to mirror and indicate that you want a single copy, and copy it to the other side about the ridge line of the Dormer.

Next add the roof at the end using the reference point function.

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Now use reference point again and draw another whole roof under the main roof. Figure the start point to be an equal distance up and over from the top right hand corner of the main roof.



Set the correct roof pitch (3:12) and a lower eave height.

And you get one roof over another. The result looks pretty cool but isn't correct yet. Remember to make each a different storey so the cut-out works more easily. If you forget like I did, use **Tools > Change Storey** while in the front view and select the upper level to change the storey to storey 2.



Now use **Mod-Roof > More... > Cutout Multiple Planes** to remove the area under the middle roof. In plan view, snap to the corners of the middle roof area.

Cutout Defaults		×
Define the Cutout Area by	Digitizing the Cutout	•
Select the Roof Planes by	Selecting the Storey to Cutout	•
Keep or Delete Pieces ?	Delete the internal pieces	
Cancel	ОК	?

And you're done.

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AppliCad Support Team