



ROOF SYSTEMS

(Ref: The Building Illustrated, Ching, Francis DK

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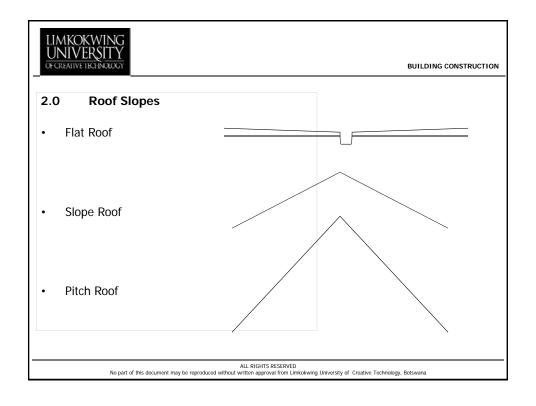
BUILDING CONSTRUCTION

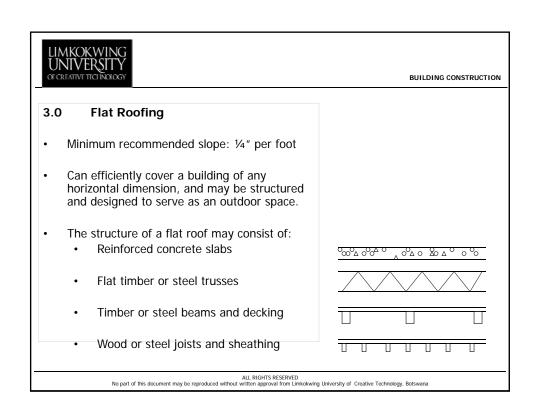
1.0 **Roof System**

- Function as primary sheltering element for the interior spaces of a building.
- The form and slope of the roof must be compatible with the type of roofing.
- The construction of the roof should also control the passage of moisture vapor, the air flow, the heat flow and solar radiation.

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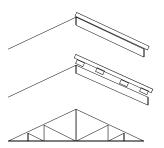




BUILDING CONSTRUCTION

4.0 Slope Roofing

- · Shed rainwater easily to eave gutters
- The space under sloping roof may be usable.
- Sloping roof planes may be combined to form a variety of roof forms.
- Sloping roof may have a structure of:
 - Wood or steel rafters and sheathing
 - · Timber or steel beams, purlins and decking
 - Timber or steel trusses



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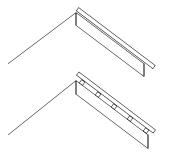
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BUILDING CONSTRUCTION

5.0 Pitch Roofing

- · Easily shed snow
- The space under sloping roof may be usable.
- Sloping roof may have a structure of:
 - · Wood or steel rafters and sheathing
 - · Timber or steel beams, purlins and decking



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