

### Annex 3.A. Typologies of Housing in Cuba

National Housing Institute  
 Direction of Investments, Constructive Typologies of the Housing

TYOLOGY	WALLS	ROOFS	FLOORS
I	Precast concrete panels, reinforced or not. Concrete blocks, ceramic bricks, quarry block, natural stone gallet, masonry. Modular precast polymer panels with concrete	Cast- in- place, reinforced concrete slabs. Precast reinforced concrete slabs. Hollow core slab (small section pre-stressed beams of reinforced concrete with concrete or ceramic blocks, vault's form). Formwork and cast-in- place supporting members and slab.	Granite, marble, integral terrazzo, polishing terrazzo tiles, high quality hydraulic mortar mosaics, glazed ceramic tiles.
II	Concrete blocks, bricks, masonry, blocks or pressed bricks of stabilized soil, quarry block, natural stone.	Vault, domes or arches of concrete blocks, bricks or pressed stabilized soil or another element with insure durability, small section pre-stressed or reinforced concrete beams and plane or arched concrete slabs of concrete, ceramic, stabilized soil , stone, ferrocement, etc.	Polishing terrazzo tiles, hydraulically pressed mortar mosaics, glazed ceramic tiles.
III	Concrete blocks, bricks, masonry, blocks or pressed bricks of stabilized soil, quarry block, natural stone finished, sneck, fibber cement board, hard wood or precious wood.	Light supporting members such as small section pre-stressed beams of reinforced concrete metallic or sawed wood, covered with ceramic tiles, steel slabs, fibre-cement slabs or vibrated mortar (TEVI).	Hydraulically pressed mortar mosaics, polished mortar or cement floors
IV	Blocks or pressed bricks of stabilized soil, sneck, natural stone, gallet.	Light supporting members like small section beams of sawed or roller wood, covered with conformed steel desk or cement and vegetable fibres	Hydraulically pressed mortar mosaics, polished mortar or cement floors
V	Sawed wood or palm board	Support of roller wood covered with palm leaf, tiles of asphalted cardboard, tarred paper.	Hydraulically pressed mortar mosaics polished mortar or cement floors, flagstone slabs
VI	Rustic wood, palm leaf, palm tree bark, tarred cardboard, canvas, waste materials.	Rustic wood, palm leaf, palm-tree bark, tarred cardboard, canvas, waste materials.	Polished mortar, waste materials, rammed earth.

#### OBSERVATIONS:

- In case doesn't coinciding the types of walls and roofs, the typology will be classified by the wall or roof type of smaller category.
- In the floors the classification will be determined by the predominant material in the total surface of the floor, which won't be able to be superior to the results classification of the walls and roofs.
- The typology VI only will be used for the statistical classification of the existent found and not as typology for the plan of construction of housing.

NOTE: Translation carried out by the Technical Centre for Development of Construction Materials, Cuba.