

BIBLIOTECA NACIONES UNIDAS MEXICO

CATALOGADO

ECONOMIC COMMISSION FOR LATIN AMERICA
CENTRAL AMERICAN ECONOMIC COOPERATION
COMMITTEE
SUBCOMMITTEE ON HOUSING, BUILDING
AND PLANNING

GENERAL
CCE/SC.4/II/GTCM/2
~~10 August 1962~~

ORIGINAL: SPANISH

Working Group on Modular Coordination
on Housing
San Salvador, El Salvador, August 14-22, 1962

PROGRAMME OF ACTIVITIES

Meeting sponsored jointly by the United Nations Economic Commission for Latin America (CEPAL), the United Nations Bureau of Technical Assistance Operations (BTAO), the Organization of American States (OAS) and the Inter American Development Bank (IDB)

Programme of activities

Tuesday 14 August

- 9.30 a.m. Opening session
- 10.30 a.m. First working meeting. Theme: Basic principles of modular coordination.
First part: Prevailing criteria to achieve efficiency and flexibility in the production of elements, in the operations and in the constructions.
- 3.00 p.m. Second working meeting. Theme: Basic principles of modular coordination (continuation)
Second part: Basic terminology. Selection of a basic module. Advantages and promotion. Determination of the design module, of tolerances and of working measurements. Technical principles.

Wednesday 15 August

- 9.00 a.m. Third working meeting. Theme: Modular coordination in relation to the industrial process for the production of construction materials and of housing equipment.
First part: Brick walls (Meeting at the "Insalco" brick factory). Production process. Types and sizes. Utilization. Diversity of joints. Tolerances. Alterations in the industrial process necessary for the production of modular bricks. Time required and possible financial implications.
- 3.00 p.m. Fourth working meeting. Theme: Modular coordination in relation to the industrial process for the production of construction materials and of housing equipment (cont.)
Brick walls. Utilization of modular coordination in the erection of brick walls. Structural possibilities, design and architecture. Blue-prints. Graphic representation.

/Thursday 16

Thursday 16 August

- 9.00 a.m. Fifth working meeting. Theme: Modular coordination in relation to the industrial process for the production of construction materials and of housing equipment (cont.)
- Second part: Cement block walls (meeting at the "Saltex" cement blocks factory). Raw materials and production mechanisms. Specifications, characteristics and basis. Location possibilities; variations. Joints and tolerances. Evaluation of alterations in the process for production of moduled blocks. Time required and possible financial implications.
- 3.00 p.m. Sixth working meeting. Theme: Modular coordination in relation to the industrial process for the production of construction materials and of housing equipment. (cont.)
- Cement block walls. Applications of modular coordination in cement block walls. Structural possibilities, design and architecture. Construction blueprints. Graphic representation.

Friday 17 August

- 9.00 a.m. Seventh working meeting. Theme: Modular coordination in relation to the industrial process for the production of construction materials and of housing equipment. (cont.)
- Third part: Doors and windows. (Meeting at the "Solaire" factory). Production process and use of materials. Types and shapes. Use of standard angles, rods, etc. Combinations. Interchangeability of elements. Placement in buildings, joints and tolerances. Alterations required in the process for producing moduled doors and windows. Time required and possible financial implications.
- 3.00 p.m. Eighth working meeting. Theme: Modular coordination in relation to the industrial process for the production of construction materials and of housing equipment. (cont.)
- Doors and windows. Application of modular coordination to doors, windows and partitions. Relation to structures and design. Blueprints and construction details. Testings according to local characteristics.

/Saturday 18

Saturday 18 August

9.00 a.m. Ninth working meeting. Theme: Modular coordination in relation to the industrial process for the production of construction materials and of housing equipment. (cont.)

Fourth part. Prefabricated elements. (Meeting at the "Fábrica de Productos Pretensados"). Basic production types. Combinations. Flexibility and variations in their application. Tolerances. Placement relations in the building. Possible alterations necessary for production of moduled prefabricated elements and their significance in the mass production of elements. Time required and possible financial implications.

2.30 p.m. Tenth working meeting. Theme: Modular coordination in relation to the industrial process for the production of construction materials and of housing equipment. (cont.)

Prefabricated elements. Application of modular coordination to large scale production of prefabricated elements. Structural relationship. Influence in the design and type of architecture. Blueprints and construction details.

Monday 20 August.

9.00 a.m. Eleventh working meeting. Theme: Modular coordination in relation to the industrial process for the production of construction materials and of housing equipment. (cont.)

Fifth part. Roofs. (Meeting at the factory of Asbest Cement). Variety of articles produced. Specifications. Applications. Study of corrugations and undulations. Placement in the works and relationship to the rest of the structure. Possible alterations in the process needed for the production of moduled roofs. Time required and possible financial implications.

3.00 p.m. Twelfth working meeting. Theme: Modular coordination in relation to the industrial process for the production of construction materials and of housing equipment. (cont.)

Roofs. Application of modular coordination to roofs. Variations in shapes and architectural compositions. Blueprints and construction details.

/Tuesday 21

Tuesday 21 August

9.00 a.m. Thirteenth working meeting. Theme: Modular coordination in relation to the industrial process for the production of construction materials and of housing equipment. (cont.)

Sixth part: Kitchen equipment. (Meeting at the "Fábrica de Muebles Prado"). Production types. Interrelationship of elements. Possible combinations. Variations in applications. Dimensional coordination of the components. Spaces required and types of points. Possible alterations in the process for producing moduled kitchen equipment. Introduction of new types and innovations.

3.30 p.m. Fourteenth working meetings. Theme: Modular coordination in relation to the industrial process for the production of construction materials and of housing equipment. (cont.) Kitchen equipment. Application of modular coordination for the production of kitchen equipment and its relation to the general design. Standardization of types and sizes. Graphic representation.

Wednesday 22 August

5.00 a.m. Fifteenth working meeting. Theme: Integration of the components of the construction

First part: Unification of types, equivalencies and standards. Gradual incorporation in the industrial processes. Determination of tridimensional squemes with the integration of all components.

11.00 a.m. Sixteenth working meeting. Theme: Integration of the components of the construction (cont.)

Process and methods for the application of modular coordination. Practical recommendations.

- b) Industrial. Mass and specialized production of interchangeable moduled elements applicable mainly in construction of housing and to other social interest programmes.
- a) Institutional. Technical programmes of the housing institutions, research and teachings.
- c) Productivity. Mechanisms for increasing efficiency, speed and economy. Transition stimulus and training of personnel.

d) development

- d) Development. Specific difficulties in each country and possible solutions within the regional concept. Preparation of definite projects by the institutions and by the industries for presentation to financial institutions.

Thursday 23 August

9.30 a.m. Closing session.