

JGRPD

ISSN : 3032-131X

<https://doi.org/10.61796/jgrpd.v1i3.560>

ORGANIZATION AND DESIGN OF RESIDENTIAL BUILDINGS IN CONSTRUCTION

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Received: Feb 22, 2024; Accepted: March 29, 2024; Published: Apr 18, 2024;

Abstract: Construction design for materials own into takes one series standard to constructions based on citizenship buildings construction in engineering used elements and systems . They are with one in line in the textbook experimental designs shown leader project institutions and persons by work issued foreign companies.

Keywords: Construction, Structure, Building, Monolith, Wall, Urban Planning, Planning



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Annotation

Main concept : Modern developed city construction specialized construction associations , including construction parts factories and collection departments network basically done is increased associations construction elements factory work release them construction to the fields delivery to give and buildings installation done increases .

The majority citizenship buildings (residential , shopping centers , MTM, education , medicine , entertainment buildings) exemplary projects according to built Typification known one period for the most effective space planning and design solutions to choose based on the buildings to build and of them in use the most good economic the results will give and this from buildings in use convenience provides .

Certain functional purposeful buildings classified (family transfer for residential buildings , hostels , hotels , trade centers , children kindergartens and children kindergartens , schools and profession schools , polyclinics , cinemas and others), known in quantity population or service pointer persons for intended .

Development organize doer buildings dial aesthetic individual in appearance city and village architecture ensembles to create an exception ca n't Local urban planning experience that's it showed that the area natural features skillfully account received without , traditional and modern finishing materials and from the technique use , separately projects according to built separately buildings to

add as a result cities to himself special architectural to expressiveness have will be Next in years series new architectural ensembles State awards with was awarded .

To constructions to be placed requirements . Cities and village population points exemplary buildings with development centuries during architectural to tradition have and before city and in villages series houses basically each other repeated . Modern city neighborhoods and historical neighborhoods between difference effective solutions repetition method not but our in our time this repetition of houses industry work release with is determined .

Last quarter in the century built standard citizenship buildings from the previous ones combined with separate stands - construction industry of means used without to construction ready Consolidation work release of enterprises technological opportunities , vehicles , lifting mechanisms and that's it similar to criteria according to selected of buildings the most thrifty and universal elements apply through design in the process done is increased .

Construction construction It is also possible to combine development short during quality in terms of to changes face came First stage standardized houses " from home down to the detail " principle according to built First , it is known one constructive in the system different in volume one series buildings designed , then houses this to the series special " cut " into pieces . Construction parts factories only known one in the series houses work to issue specialized was. Typing element home was

Public of housing construction development this of principle uselessness and aesthetic in terms of inappropriateness quickly open gave One on the other hand , this of factories technological a lot edged cause released and from reserves to use an exception did One factory different different technologies using work issued home parts whole collection work released . There is internal from reserves used without separately parts work release increase not encouraged because it is a requirement to be done collection from within out came out Other on the other hand , cities are " one part of the " buildings " is large of volume " construction monotonous rings with began to fill up . Urban planning maneuvers out abandoned , architecture and landscape synthesis was broken .

Today's in the day combined citizenship of buildings exemplary design opposite to the principle based - " from the detail home " this industry in construction from the beginning effective work developed

This economic in the district construction constructions factories basically work release technology and in the building purpose with combined construction parts known assortment work to issue specialized . For example : tiles and foundation blocks , piles and crusted piles , external and internal the wall panels , ventilation blocks and electricity panels , separation panels , floor and cover plates (this including a balcony plates , cornice plates and others), voluminous elements (sanitary cabins) .



Picture 1

" From detail home " principle to you to the following possibility will give :

- a) production release specialization , that is of equipment complete use , labor productivity increase and product the cost reduction ;
- b) various different constructive in systems in houses one different kind of of the elements use and therefore for construction factories by service showing within the economic district standard brands the number reduce
- c) from monotony escape - city development architectural palette enrichment

Exemplary of construction development analysis who does as for the cities architectural apparently has been of requirements increased to go because of design again being individual It is assumed that it will remain what we do can But this is an individual design standardized universal catalog of products and As a result housing plots for standard belts based on done is increased . Thus, architecture art as and this work release formation in the process known level broken buildings work release modern industry method between harmony will be restored .

Construction facilities known level the following main to groups to be can :

- loader constructions - basic loads acceptance to do and transmission and of the building stability and strength provide ;
- wrapping standing structures - it external from the environment separation ;
- internal equipment structures - the main ones loads perception in reaching participation not enough , but building to the rooms to be and to them necessary comfortable conditions provide

of the building supportive structure different in systems done increase can From systems one choose , first in line , functional target , local natural conditions (climate , geology and others) , construction work release industry of the base possibilities and options economic comparison with is determined . Choice direction industry in construction used systematic of systems classification with will be facilitated .

of the building supportive structure his spatial stability provides and husband over part by collected loads husband under part through to the foundation - them master will receive to the soil spends

of the building constructive system to the building effect doer all loads absorbing and his strength and to crack durability , therefore for durability which provides his main elements complex to choose determines

of the frame husband over part of structural system , first in turn , main load lifter vertical

structures type with is described . He is one character or combined to be can



Picture 2

One character to systems the following includes :

- stern - vertical of posts frame systems - them horizontal in the plain connecting columns and beams - solid (frame) units or walls has been spiers - up to 12 floors high has been in buildings horizontal forces to master able has been hard diaphragms ;
- planar - monolithic from the walls or prefabricated from the panels prepared the wall systems ;
- voluminous - polyrolet or building of the interval length has been voluminous reinforced concrete of the elements made block-room systems .

Combined to systems the following includes :

- inside is located the frame wrapping standing external paneled walls has been frame -panel systems ;
- voluminous elements and internal transversely or external longitudinal load bearing walls which is panel -block room systems ;

12 or from him more than layered tall of the building hardness core organize doer to monolithic tower elements have frame -panel-barrel systems . Monolith highway to the frame or load lifter to the panels is connected . Frame -panel-barrel systems , this goals for flat diaphragms and frame hardeners applied another systems with in comparison , monolithic nuclei by horizontal the load perception reach because of carry more load ability and to persistence have

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