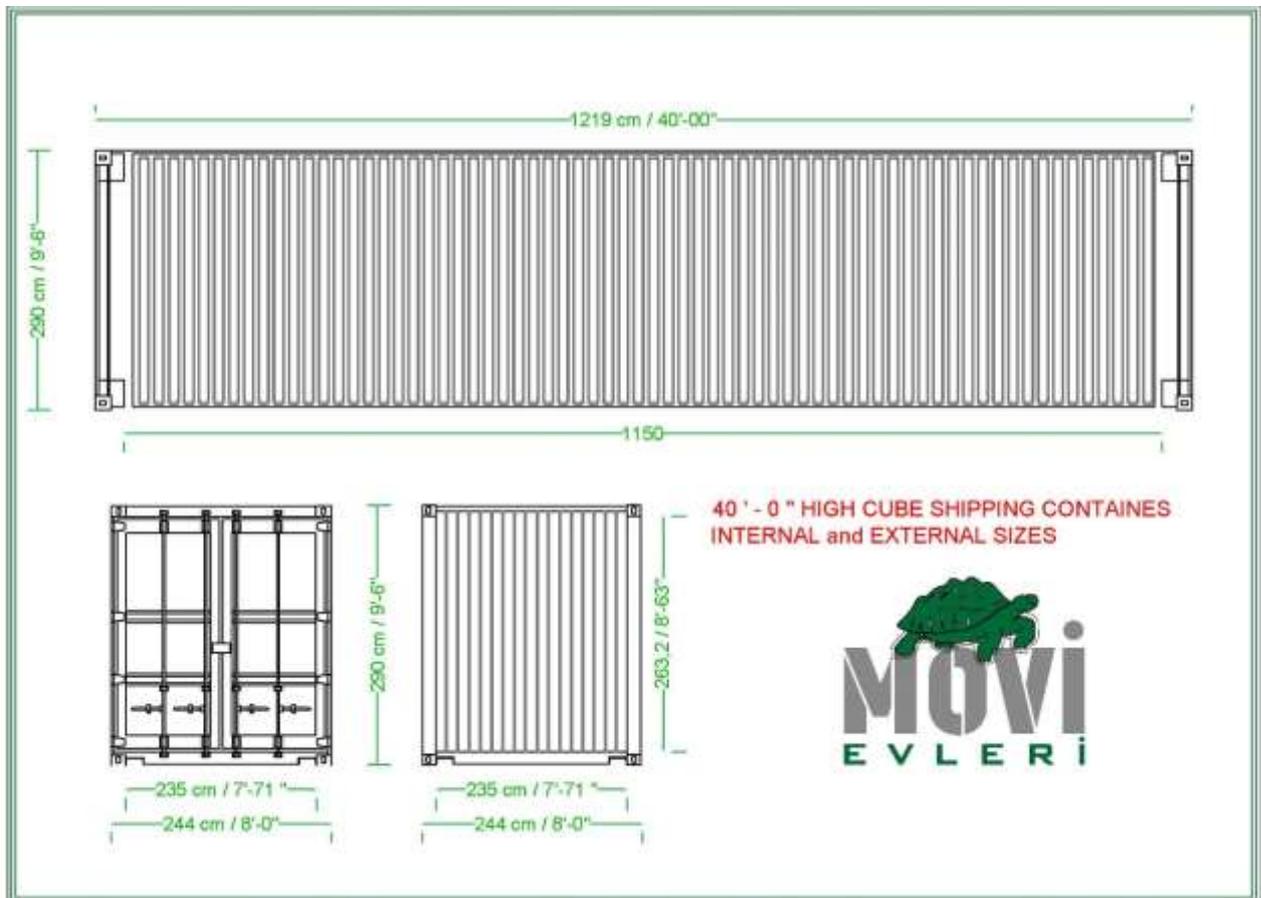




MANUFACTURING DETAILS OF MODIFIED MOVI HOUSES FROM FREIGHT CONTAINERS

40 feet high cube containers are used in our Movi houses modified from freight containers. When there is a need for intermediate size modules as per the project, 40 feet containers are used by cutting them to length. Reason for using 40 feet HC instead of 20 feet DC, is the 30 cm additional height advantage offered by HC containers.

Gross and net dimensions of 40'-0" HC container are shown below.



Pic 1

CONTAINER SUPPLY and CLEANING

Second hand containers are generally used for our modified homes from freight containers. Reason for this is that new containers cost 3 to 4 times more than second hand containers.

When supplying second hand containers, we ensure that the chassis of the product carrier is smooth and the amount of rust is as low as possible.

See the pic2 pls.

We can also use containers that have been supplied by you.

After the container has been supplied, it first is cleaned completely from rust and protected against re-corrosion.

See the pic3 pls.



Pic2

Raw container



pic3

Cleaned and Corrosion Protected Container

PROJECT SUITABLE MODIFICATIONS

After the containers are cleaned, window and door sections are cut in accordance with the project, and blind casings are manufactured from 40*60*2 mm box profile.

See the pic4 pls.



Pic 4

PRE-ISOLATION PROFILE CARCASS MANUFACTURING

Before heat and steam insulations, an inner carcass is formed from 30*40*2 mm or 40*60*2 mm profile as a preliminary preparation for the insulation. The carcass system also provides the infrastructure for interior wall covering materials such as gypsum board or wood paneling. Wall and ceiling thicknesses are detailed between 10-25 cm based on climatic conditions and changing norms according to countries.

See the pic4 pls.



Pic. 5

ELECTRICAL and PLUMBING INFRASTRUCTURE

All electrical wiring is made in a tubular polypropylene sheath. Cable sections used are 3*2.5 mm for feeds and 3*1.5 mm or 2*1.5 mm TTR non-combustible cables for lighting.

See the pic6

See the pic7

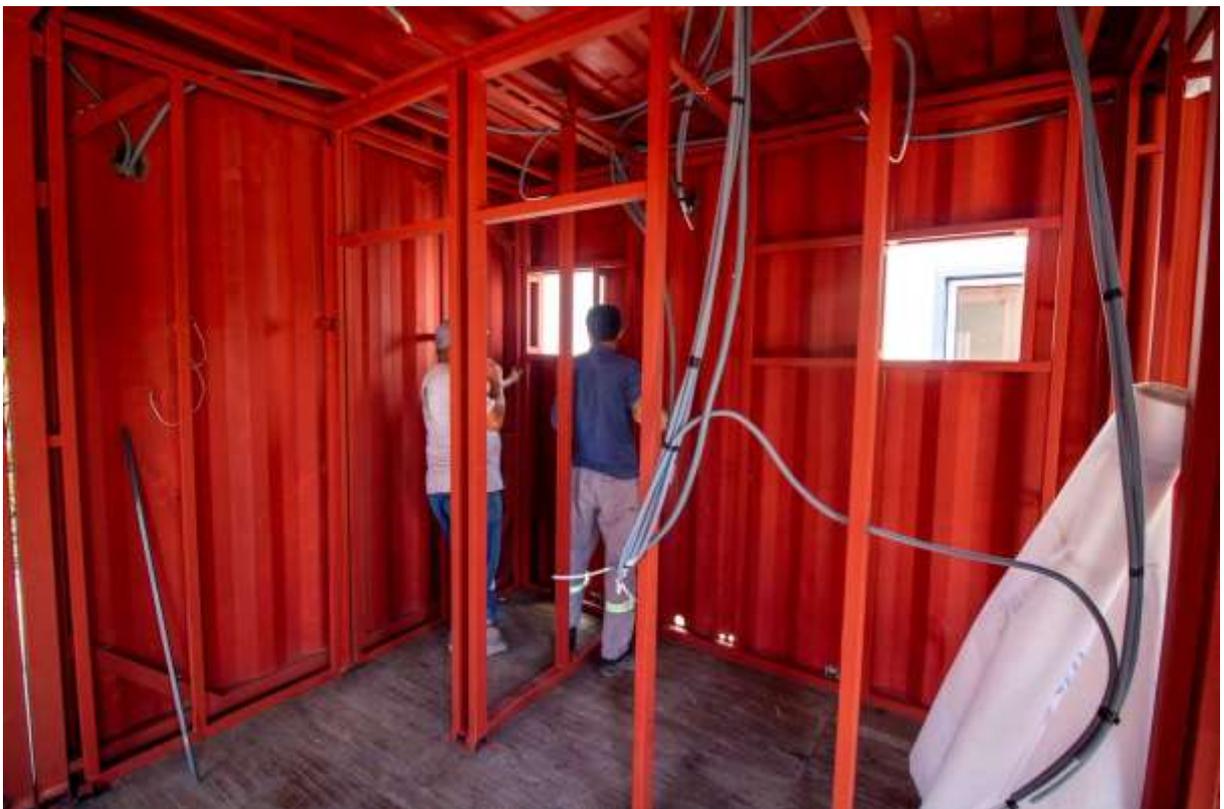
There is a grounding line inside the main panel. In addition, all fuses are of the brands Schneider and Siemens. There is a residual current relay (single-phase or three-phase depending on the situation).

Waste water and clean water infrastructure is made with TSE and CE certified PPR and PVC pipes in accordance with international norms. Pipe outlets are from the side or the bottom, depending on the characteristics of the foundation system of the house location.

See the pic8



Pic6



Pic7



Pic8

STEAM and HEAT ISOLATION

Since the system consists of a steel box a vapor balancer is applied to the cold side and a vapor moisture barrier is applied to the hot side to prevent condensation caused by temperature differences between the outside and indoor environment. These materials are non-combustible CE certified products with a density of 120-150 gr/m². Rockwool plates with a λ value of 0.037 W/mk, which thickness are selected according to the norms, are used between the two steam insulation layers.

See the pic9

See the pic10

See the pic11

See the pic12



See the pic9



See the pic10



See the pic11



See the pic12

EXTERIOR FRAME MANUFACTURING AND PROTECTION PAINT COATING

For the installation of exterior wood or metal clamp roofing, a carcass is manufactured from 40*30*2 mm box profile on the existing exterior. The entire facade is painted against corrosion with a top coat rapid paint.

See the pic13



Pic13

EXTERIOR WINDOW AND DOOR FINISHES

Depending on the customer's chosen color and type (aluminum, PVC or wooden) insulating glass systems from heat bridged profiles, which also vary according to country norms are used, exterior joinery is assembled and waterproofing of the junction points is completed.

See the pic14

See the pic15

See the pic16

See the pic17



Pic14 PVC joinery



Pic15 PVC joinery



pic 16 Aluminum joinery



pic 17 Aluminum joinery

INTERIOR WALL AND FLOOR COVERINGS

Depending on the customer's preference, the interior walls can be covered with plasterboard and paint, wallpaper, or wood paneling. As for the floor, parquet or ceramic applications can be applied according to customer preference.

See the pic18

See the pic19

See the pic20

See the pic21

See the pic22

See the pic23



Pic18 Wood veneer wall



Pic19 Painted wall on plasterboard



Pic20 Wallpaper covered wall, ceramic floor-wooden ceiling



Pic21 Parquet floor



Pic22 Wood clad ceiling and wall



Pic23 Ceramic tiled wall and floor

FIXED FURNITURE (KITCHEN - BATHROOM CABINETS)

Our standard products have kitchen cabinets of MDF body and membrane cover, and the counter is solid laminated. Optionally, the covers can be lacquer painted or high gloss.

Bathroom cabinets can be designed in different ways in accordance with the chosen decoration.

See the pic24

See the pic25

See the pic26

See the pic27

See the pic28

See the pic29



pic 24 Bathroom cabinet



pic 25 Bathroom cabinet



pic 26 Bathroom cabinet



Pic 27 Kitchen cabinet



Pic 28 Kitchen cabinet



Pic 29 Kitchen cabinet

OPTIONAL FURNITURE MANUFACTURING (CLOTHING CABINET - DRESSING ROOM CABINET - LAUNDRY CABINET)

If you want, you can order headboards made of MDF lam, wardrobes with doors or rails, wardrobes without cover in the dressing rooms and wardrobes in the laundry rooms in accordance with appropriate measurements.

See pic30

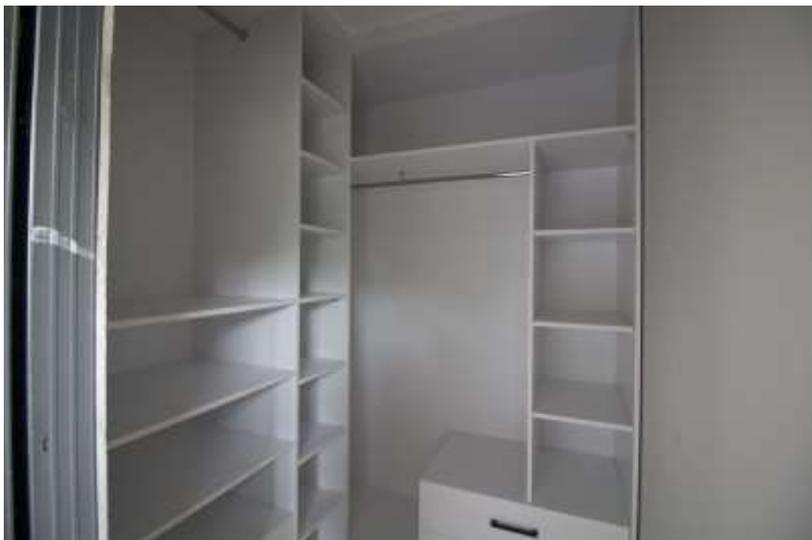
See pic 31

See pic 32

See pic 33



Pic 30 Laundry room cabinet



Pic 31 Dressing room cabinet



pic 32 Headboard



Pic 33 Wardrobe

INTERIOR DOORS

Our interior doors are membrane in our standard productions. Manufacture of furniture lacquered doors are possible on demand. In addition, we manufacture sliding doors and barn doors in accordance with the requirements of architectural requirements or decoration.

See the pic 34 - See the pic 35

See the pic 36 - See the pic 37

See the 38



pic 34 lacquer door



pic 35 , massive barn door



Pic 36 massive barn door



Pic 37 lacquer barn door



Resim 38 membrane door

EXTERIOR COATINGS

We use kiln-dried or solid thermo wood, metal seam facade and single layer trapezoidal sheet metal facade panels on the exteriors of our houses.

See the pic 39 - See the pic 40

See the pic 41 - See the pic 42

See the pic 43 – See the pic 44 – See the pic 45



Pic 39 Painted kiln dried wooden facade



Pic 40 Painted kiln dried wood and painted trapezoidal facade (combined)



Pic 41 Painted kiln dried wood and painted trapezoidal facade (combined)



Pic 42 Freight container natural facade and kiln dried painted wooden facade (combined)



Pic 43 Kiln dried wood facade (vertical flooring)



Pic44 Thermo wood Finnish pine painted wooden facade



Pic 45 Painted Thermowood and Metal seam facade (combined)

SHOWER CABIN, SANITARY WARE, ELECTRICAL SWITCH SOCKETS, LIGHTING ELEMENTS

In standard productions, sanitary ware and faucets are of the brands Artema, Eca and Serel. However, different brands and models can be chosen on demand.

The switches and sockets used are of the brands Scheneider or Viko.

If you wish, we can supply and install ray spot or recessed spotlights for sports lighting.

The main carrier in the shower cabins is aluminum and the color options are anthracite, natural aluminum and yellow. Tempered glass is used in manufacturing. Color options are transparent, satin frosted and grey, and bronze smoked.

built-in toilet- concealed reservoir– shower cabin – shower faucet– washbasin – basin faucet

built-in toilet- concealed reservoir– shower cabin – shower faucet– washbasin – basin faucet, towel rack

See the pic 46 - See the pic 47 - See the pic 48 - See the pic 49

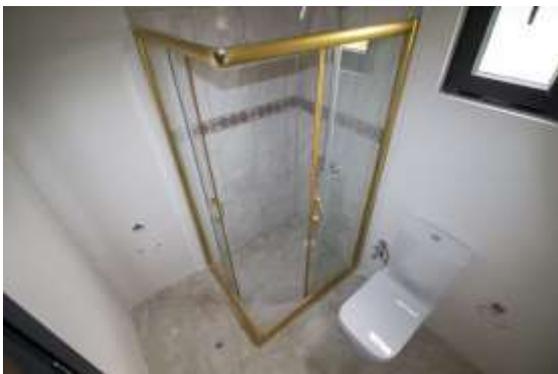
See the pic 50 – See the pic 51 – See the pic 52 - See the pic 53 – See the pic 54



Pic 46-47 wall-mounted toilet-shower with rear outlet



Pic 48-49 wall-mounted toilet-shower with rear outlet- shower cabin- shower faucet- washbasin- basin faucet



Pic 50-51 wall-mounted toilet-shower with rear outlet - shower cabin, shower faucet



Pic 52-53 wall-mounted toilet-shower with rear outlet - shower cabin, shower faucet



Pic 54 wall-mounted toilet-shower with rear outlet - shower cabin, shower faucet

OPTIONAL MANUFACTURING

In addition to the main house manufacturing, you can request the following together with the house.

- Lower Patio
- Terrace
- Stairs to the upper terrace
- Lower patio, container exit ladder
- Precast foundation system
- Solar energy
- Window railing
- Manual or electric shutter systems
- Underfloor heating system
- External warehouse modules
- Chimney outlet
- Air conditioner connection

See the pic 55 - See the pic 56 - See the pic 57 - See the pic 58

See the pic 59 – See the pic 60 – See the pic 61 - See the pic 62 – See the pic 63



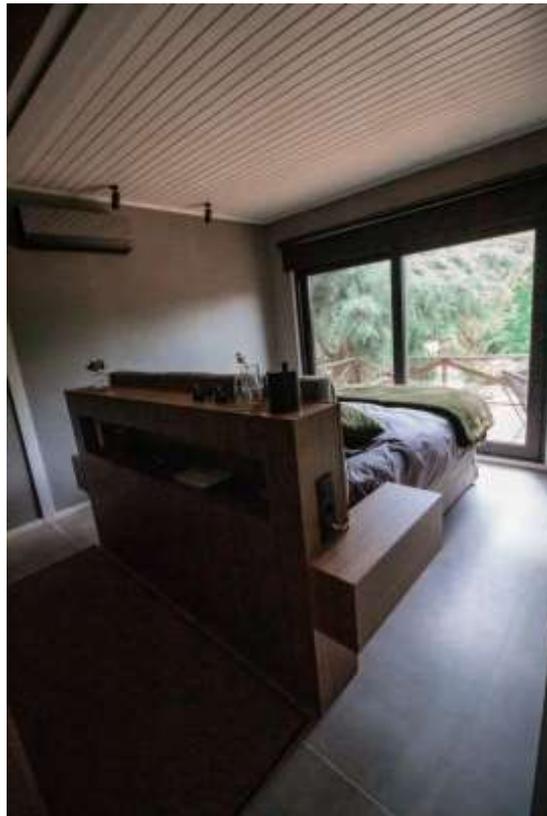
Pic 55-56 exterior staircase, shutter system, window railing, Patio, Patio railing



pic 57-58 Precast foundation system, lower patio, upper terrace, stairs to terrace, foundation lower covering



Pic 59-60 upper terrace, external modular warehouse, solar energy system



Pic 61-62-63-64 -65 chimney outlet, floor heating system, air conditioner connection