## Za'atari Refugee Camp Housing

The goal of my work was to modify their existing caravans to create homes that have more space, stability, privacy, storage, and have characteristics that may remind them of home. All of these designs include a mix of 10'x12' and 10'x24' caravans with the addition of structural materials on the exterior and new furniture layouts on the interior.

## Home A

## 3.04M X 7.3152M CARAVAN 6.096M STRUCTURAL WALL 3.04M X 3.6576M CARAVAN CARAVAN 1.8288M X 3.04M PATIO N 1.8288M X 1.0668M STEP

A= step
B= front door
C= kitchen
D= porch

E= structural wall

F= door to second caravanG= living roomH= room divider with storageI= bunkbed

**J**= parent's sleeping area

K= door to private bathroom
L= grey water toilet/sink system
M= shower
N= water storage tanks

## Home B



A= ramp
B= front door
C= kitchen
D= hanging shelves

E= door to second caravan

F= bunkbedG= room divider with storageH= living room

K= grey water toilet/sink systemL= shower

**M**= water storage tanks

N= structural wall

I= parent's sleeping areaJ= door to private bathroom

Home C

3.04M X 3.6576M CARAVAN

NAME OF THE STORY OF THE

A= ramp
B= front door
C= salon
D= door to second caravan
E= structural wall

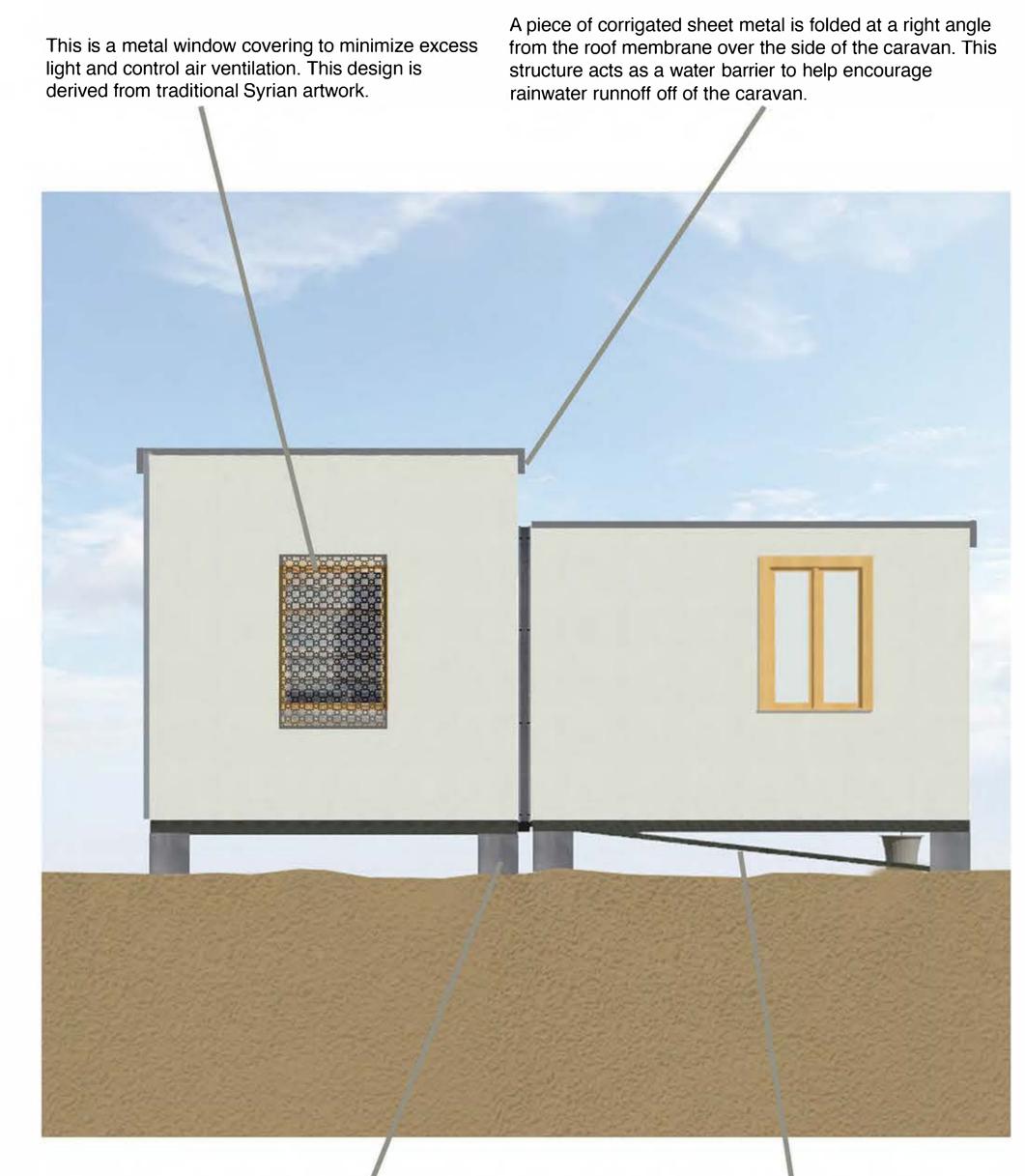
F= living room
G= room divider with storage
H= kitchen
I= door to third caravan

**J**= children's sleeping area

K= parent's sleeping area
L= door to private bathroom
M= grey water toilet/sink system
N= shower
O= water storage tanks

3.04M X 3.6576M CARAVAN

New exterior elements on the existing caravans



Existing .3048M posts in each corner of each caravan.

3.6576M by 1.2192M wooden ramps that are flush with the ground and the front door. The ramps will enhance accessibility in the homes and are supported by two .3048M high posts at the entrance to each caravan.

Two M6X22MM bolts are used at each connection point to secure the beam to the wall.

4 steel wide flange beams are used vertically to connect the two walls. These beams are 2.4384M tall and are .1524M in length by .1016M in width. They are spaced evenly at .6096M apart.



This is a wood veneer molding at a right angle between the wall and ceiling. This will help eliminate any leakage into the caravan and also give the interior a more traditional aesthetic. The same wood veneer may be used to frame windows in the caravan to minimize leakage and provide a similar traditional aesthetic. Open shelving is hung on the structural wall in order to ensure stability. The shelves are screwed in where the beam meets the wall.