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United States Patent	12392128
Kind Code	B2
Date of Patent	August 19, 2025
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Systems and methods for a dwelling layout

Abstract

A dwelling including at least four walls defining a housing unit and an area of the housing unit. The housing unit includes at least one interior wall, a full-sized kitchen, a first closet positioned, and a raised bed unit. At least one of the at least four walls and the at least one interior wall define a bathroom. The full-sized kitchen is positioned along at least one of the four walls. The first closet is positioned a distance from the four walls and the interior wall. The raised bed unit includes a raised platform and a first bed positioned on the raised platform. The raised platform defines a storage area beneath the first bed. The first closet is positioned at least partially within the storage area, and the area of the housing unit is less than 400 square feet.

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Appl. No.:	17/861127
Filed:	July 08, 2022

Prior Publication Data

Document Identifier	Publication Date
US 20230027944 A1	Jan. 26, 2023

Related U.S. Application Data

us-provisional-application US 63221412 20210713

Publication Classification

Int. Cl.: E04B1/348 (20060101); E04H1/02 (20060101); E04H3/02 (20060101)

U.S. Cl.:

CPC E04B1/34869 (20130101); E04H1/02 (20130101); E04H3/02 (20130101)

Field of Classification Search

CPC: E04B (1/34869); E04H (1/02); E04H (3/02); E04H (1/005); B63B (29/02); A47C (17/86); A47C (19/22)

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Background/Summary

CROSS REFERENCE TO RELATED APPLICATIONS (1) This application claims priority to and the benefit of U.S. Provisional Patent Application No. 63/221,412, entitled “SYSTEMS AND METHODS FOR A DWELLING LAYOUT,” filed Jul. 13, 2021, the disclosure of which is hereby incorporated by reference in its entirety.

TECHNICAL FIELD

(1) The present disclosure relates generally to dwelling layouts, and more particularly to layouts of apartments, hotel rooms, and extended stay hotel rooms.

BACKGROUND

(2) Real estate prices continue to rise, increasing living costs for households, increasing costs for builders and contractors, increasing costs for landlords, and reducing profits for builders, contractors, and landlords. To compensate for these increased costs, builders, contractors, and landlords have been building smaller dwellings to increase the number of dwellings per unit area, increasing the number of dwellings sold or rented per unit area. At least some of these dwellings include multiple housing units within the dwelling (apartments, hotels, condominiums, extended stay hotels, etc.). Reducing the area of these housing units reduces the overall space for amenities within the housing unit that a household needs to function. In some cases, the housing units are constructed without needed amenities. There exists a need for a small housing unit that is self-contained, or that includes all that is needed for a household to function.

SUMMARY

(3) One aspect of the present disclosure is directed to a dwelling including at least four walls defining a housing unit and an area of the housing unit. The housing unit includes at least one interior wall, a full-sized kitchen, a first closet, and a raised bed unit. At least one of the at least four walls and the at least one interior wall define a bathroom. The full-sized kitchen is positioned along at least one of the four walls. The first closet is positioned a distance from the four walls and the interior wall. The raised bed unit includes a raised platform and a first bed positioned on the raised platform. The raised platform defines a storage area beneath the first bed. The first closet is positioned at least partially within the storage area, and the area of the housing unit is less than 400 square feet.

(4) Another aspect of the present disclosure relates to a method of furnishing a housing unit. The housing unit is defined by at least four walls that define an area of the housing unit. The method includes installing at least one interior wall. At least one of the at least four walls and the at least one interior wall define a bathroom. The method also includes installing a full kitchen positioned along at least one of the at least four walls. The method further includes assembling a raised bed unit positioned along the at least one interior wall and at least one of the at least one four walls. The raised bed unit defines a closet positioned beneath the raised bed unit, and the area of the housing unit is less than 400 square feet.

(5) Yet another aspect of the present disclosure relates to a dwelling including at least four walls defining a housing unit defining an area of the housing unit. The housing unit includes a full-sized kitchen, a raised bed unit, a first closet, a second closet, and a desk. The full-sized kitchen is positioned along at least one the four walls. The raised bed unit includes a raised platform and a bed positioned on the raised platform unit. The raised platform unit defines a storage area beneath the bed. The first closet is positioned at least partially within the storage area. The second closet is positioned at least partially within the storage area. The desk is positioned at least partially within the storage area, and the area of the housing unit is less than 400 square feet.

(6) The foregoing has outlined rather broadly the features and technical advantages of examples according to the disclosure in order that the detailed description that follows may be better understood. Additional features and advantages will be described hereinafter. The conception and specific examples disclosed may be readily utilized as a basis for modifying or designing other structures for carrying out the same purposes of the present disclosure. Such equivalent constructions do not depart from the spirit and scope of the appended claims. Features which are believed to be characteristic of the concepts disclosed herein, both as to their organization and method of operation, together with associated advantages will be better understood from the following description when considered in connection with the accompanying figures. Each of the figures is provided for the purpose of illustration and description only, and not as a definition of the limits of the claims.

Description

BRIEF DESCRIPTION OF THE DRAWINGS

(1) A further understanding of the nature and advantages of the embodiments may be realized by reference to the following drawings. In the appended figures, similar components or features may have the same reference label.

(2) FIG. 1 illustrates a schematic floor plan of a housing unit in accordance with the present disclosure.

(3) FIG. 2 illustrates a schematic furniture plan of the housing unit in accordance with the present disclosure.

(4) FIG. 3 illustrates an elevation view of a kitchen of the housing unit illustrated in FIGS. 1 and 2

in accordance with the present disclosure.

(5) FIG. 4 illustrates an elevation view of a second wall of the housing unit illustrated in FIGS. 1 and 3 including an entertainment system in accordance with the present disclosure.

(6) FIG. 5 is a perspective schematic view of a raised bed unit within the housing unit illustrated in FIGS. 1 and 2 in accordance with the present disclosure.

(7) FIG. 6 is an exploded view of the raised bed unit illustrated in FIG. 5 in accordance with the present disclosure.

(8) FIG. 7 is a perspective view of the raised bed unit illustrated in FIGS. 5 and 6 with portions of the raised bed unit removed in accordance with the present disclosure.

(9) FIG. 8 is a perspective view of a couch within the housing unit illustrated in FIGS. 1 and 2 in the couch configuration in accordance with the present disclosure.

(10) FIG. 9 is a perspective view of the couch illustrated in FIG. 8 in the bed configuration in accordance with the present disclosure.

(11) FIG. 10 is a flow diagram of a method of furnishing a housing unit in accordance with the present disclosure.

(12) While the embodiments described herein are susceptible to various modifications and alternative forms, specific embodiments have been shown by way of example in the drawings and will be described in detail herein. However, the exemplary embodiments described herein are not intended to be limited to the particular forms disclosed. Rather, the instant disclosure covers all modifications, equivalents, and alternatives falling within the scope of the appended claims.

DETAILED DESCRIPTION

(13) This description provides examples, and is not intended to limit the scope, applicability or configuration of the invention. Rather, the ensuing description will provide those skilled in the art with an enabling description for implementing embodiments of the invention. Various changes may be made in the function and arrangement of elements.

(14) Thus, various embodiments may omit, substitute, or add various procedures or components as appropriate. For instance, it should be appreciated that the methods may be performed in an order different than that described, and that various steps may be added, omitted or combined. Also, aspects and elements described with respect to certain embodiments may be combined in various other embodiments. It should also be appreciated that the following systems, methods, and devices may individually or collectively be components of a larger system, wherein other procedures may take precedence over or otherwise modify their application.

(15) The detailed description of exemplary embodiments herein makes reference to the accompanying drawings, which show exemplary embodiments by way of illustration. While these exemplary embodiments are described in sufficient detail to enable those skilled in the art to practice the disclosure, it should be understood that other embodiments may be realized and that logical changes and adaptations in design and construction may be made in accordance with this disclosure and the teachings herein without departing from the spirit and scope of the disclosure. Thus, the detailed description herein is presented for purposes of illustration only and not of limitation.

(16) As used herein a dwelling is a self-contained unit of accommodation used by one or more households as a home—such as a house, apartment, mobile home, hotel, extended stay hotel, condominium, houseboat, vehicle, or other “substantial” structure. Additionally, as used herein, self-contained means complete, or having all that is needed, in itself. An apartment is a self-contained housing unit that occupies only part of a dwelling and a dwelling may include one or more apartments that are each self-contained. A hotel room is a self-contained housing unit that occupies only part of a hotel in which an occupant occupies the hotel room for a brief period of time (typically less than a month). An extended stay hotel room is a self-contained housing unit that occupies only part of an extended stay hotel in which an occupant occupies the extended stay hotel room for an extended period of time (typically longer than a month). A full-sized kitchen includes a

full-sized refrigerator, a dishwasher, a stove, a microwave oven/convection oven combination, and a sink. A full-sized refrigerator is a home appliance including a refrigeration section and a freezer section separated from each other by a thermally insulated barrier such that fluid within either the refrigeration section or the freezer section does not flow freely therebetween. Additionally, a full-size refrigerator may have a total volume of at least 8 cubic feet. An ultra-short throw mini projector is a projector that is positioned less than 1 foot away from a screen and projects an image on the screen that has a display size of at least 55 inches when measured diagonally from a first corner of the image to a second corner of the image.

(17) This description provides dimensions of various aspects of the embodiments described herein. The provided dimensions are specific examples of measurements that may vary and are not intended to limit the scope, applicability or configuration of the embodiments described herein. Rather, the dimensions will provide those skilled in the art with an enabling description for implementing embodiments of the invention. Various changes may be made to the dimension such that the dimensions vary while the area of the housing unit described herein remains under 400 square feet.

(18) FIG. 1 illustrates a schematic floor plan of a housing unit **100**. FIG. 2 illustrates a schematic furniture plan of the housing unit **100**. The housing unit **100** is a self-contained unit of accommodation that is a portion of a dwelling (not shown) used by one or more households as a home—such as a house, apartment, mobile home, hotel, extended stay hotel, condominium, houseboat, vehicle, or other “substantial” structure. The housing unit **100** is self-contained or complete because the housing unit **100** has all that is need for the household to function. For example, a housing unit or dwelling is self-contained when it includes a kitchen, a bedroom, a bathroom, and a living area. The housing unit **100** described herein is self-contained and has a total area of less than 400 square feet (ft.sup.2), enabling a household to occupy a self-contained housing unit in a small total area and enabling apartments, hotel, condominiums, extended stay hotels, and other dwellings to include more housing units within a predetermined area. The reduced footprint of the housing unit **100** reduces housing costs for the household because the housing unit **100** occupies less total area while still providing all that the household needs. Additionally, the reduced footprint of the housing unit **100** increases profits for the builder or the dwelling owner by including more housing units **100** within the predetermined area that can be sold or rented. Accordingly, the housing units **100** described herein reduce housing costs for households and increase profits for builders or dwelling owners.

(19) As shown in FIG. 1, the housing unit **100** includes a plurality of walls **102** that define the housing unit **100** and define an area of the housing unit **100**. The walls **102** are exterior walls of the housing unit **100** that are attached to a floor **104** and a ceiling **106** (shown in FIG. 4) to completely define the housing unit **100**. In the illustrated embodiment, the housing unit **100** includes four walls **102**. In alternative embodiments, the housing unit **100** may include any number of walls **102** that enable the housing unit **100** to operate as described herein including, without limitation, three, five, and/or more than five walls. In some embodiments, at least some of the walls **102** are also exterior walls of the dwelling. In alternative embodiments, the walls **102** are interior walls of the dwelling. The housing unit **100** may optionally also include at least one interior wall **108** to define additional rooms within the housing unit **100**. For example, in the illustrated embodiment, the housing unit **100** includes interior walls **108** that partially define a bathroom **110** within the housing unit **100**.

(20) In the illustrated embodiment, the plurality of walls **102** includes a first wall **112**, a second wall **114**, a third wall **116**, and a fourth wall **118**. The first and second walls **112** and **114** are of approximately equal length **120** and define the ends of the housing unit **100**. The first wall defines a door **122** for entry and exit into and out of the housing unit **100**, and the second wall **114** defines a window **124** to enable exterior light to enter the housing unit **100**. The third and fourth walls **116** and **118** are of approximately equal length **126** and define the sides of the housing unit **100**. The length **120** of the first and second walls **112** and **114** is about 20 feet (ft) to about 30 ft, about 23 ft

to about 27 ft, about 26 ft, or about 26 ft 1.25 inches. The length **126** of the third and fourth walls **116** and **118** is about 5 ft to about 20 ft, about 10 ft to about 15 ft, about 13 ft, or about 13 ft 3.625 inches. In the illustrated embodiment, the length **126** of the third and fourth walls **116** and **118** is longer than the length **120** of the first and second walls **112** and **114** and the walls **102** are arranged at approximately right angles to each other such that the housing unit **100** has a rectangular shape. In alternative embodiments, the walls **102** may have any length and may be arranged at any angle relative to each other such that the housing unit **100** has any shape that enables the housing unit **100** to operate as described herein.

(21) In the illustrated embodiment, the at least one interior wall **108** includes a first interior wall **128**, a second interior wall **130**, a third interior wall **132**, and a fourth interior wall **134**. The first interior wall **128** is attached to and extends from the first wall **112** and the second interior wall **130**, and the second interior wall **130** is attached to and extends from the third wall **116** and the first interior wall **128**. The first interior wall **128**, the second interior wall **130**, the first wall **112**, and the third wall **116** define the bathroom **110**. Specifically, the first interior wall **128**, the second interior wall **130**, the first wall **112**, and the third wall **116** are arranged at right angles relative to each other such that the bathroom **110** has a rectangular shape. A length **136** of the first interior wall **128** is about 5 feet (ft) to about 15 ft, about 7 ft to about 10 ft, about 9 ft, or about 9 ft 1 inch. A length **138** of the second interior wall **130** is about 3 ft to about 10 ft, about 5 ft to about 7 ft, about 6 ft, or about 6 ft 6.625 inches. In alternative embodiments, the interior walls **108** may have any length and may be arranged at any angle relative to each other such that the housing unit **100** has any shape that enables the housing unit **100** to operate as described herein. The first interior wall **128** defines a door **140** for entry and exit into and out of the bathroom **110**, and the second interior wall **130** defines a window **142** to enable light from the housing unit **100** and the window **124** to enter the bathroom **110**.

(22) The third interior wall **132** is attached to and extends from the second wall **114** and the fourth interior wall **134**, and the fourth interior wall **134** is attached to and extends from the third wall **116** and the third interior wall **132**. The third interior wall **132**, the fourth interior wall **134**, the second wall **114**, and the third wall **116** define a utility closet **131**. Specifically, the third interior wall **132**, the fourth interior wall **134**, the second wall **114**, and the third wall **116** are arranged at right angles relative to each other such that the utility closet **131** has a rectangular or square shape. A length **133** of the third interior wall **132** is about 3 feet (ft) to about 5 ft, about 3 ft to about 4 ft, about 3 ft, or about 3 ft 2 inches. A length **135** of the fourth interior wall **134** is about 2 ft to about 4 ft, about 2 ft to about 3 ft, about 3 ft, or about 2 ft 8.25 inches. In alternative embodiments, the interior walls **108** may have any length and may be arranged at any angle relative to each other such that the housing unit **100** has any shape that enables the housing unit **100** to operate as described herein.

(23) In the illustrated embodiment, the total area of the housing unit **100** is about 300 ft.^{sup.2} to about 400 ft.^{sup.2}, about 320 ft.^{sup.2} to about 360 ft.^{sup.2}, about 340 ft.^{sup.2} to about 350 ft.^{sup.2}, or about 347.24 ft.^{sup.2}. Thus, the total area of the housing unit **100** is less than 400 ft.^{sup.2}, enabling a household to occupy a self-contained housing unit in a small total area and enabling apartments, hotel, condominiums, extended stay hotels, and other dwellings to include more housing units within a predetermined area. Additionally, the walls **102** and the at least one interior wall **108** each have a height of about 10 ft to provide an open feel to the housing unit **100**. In alternative embodiments, the total area of the housing unit **100** may be any area that enables the housing unit **100** to operate as described herein.

(24) The bathroom **110** includes a toilet **144**, a vanity **146** including a sink **148**, and a shower **150**. The shower **150** is an enclosed shower attached to the first interior wall **128**, the first wall **112**, and the third wall **116**. The shower includes a sliding door **152** that enables the shower **150** to be enclosed when in use. In alternative embodiments, the shower **150** may be any type of shower than enables the bathroom **110** and the housing unit **100** to operate as described herein, including, without limitation, a shower-tub combination. The vanity **146** is attached to the first interior wall

128, the second interior wall **130**, and the third wall **116** and positioned opposite the shower **150** in the bathroom **110**. The toilet **144** is positioned between the shower **150** and the vanity **146** proximate or attached to the third wall **116**. Because the bathroom **110** includes the toilet **144**, the sink **148** and the shower **150**, the bathroom **110** is a full bathroom. A full bathroom is self-contained or complete because the bathroom has all that is need for the household to function.

(25) The housing unit **100** also includes a kitchen **154** positioned along and attached to the second wall **114** and the fourth wall **118**. The kitchen **154** is a full-sized kitchen because the kitchen **154** includes a full-sized refrigerator **156**, a dishwasher **158**, a stove **160**, a microwave oven/convection oven combination **162**, and a sink **164**.

(26) FIG. 3 illustrates an elevation view of the kitchen **154**. As shown in FIG. 3, the kitchen **154** may also include cabinets **166**, shelving **168**, a television **170**, and a countertop **172**. The full-sized refrigerator **156** is full-sized because it includes a refrigeration section and a freezer section separated from each other by a thermally insulated barrier such that fluid within either the refrigeration section or the freezer section does not flow freely therebetween and it has a total volume of at least 10 cubic feet (ft.sup.3). In the illustrated embodiment, the full-sized refrigerator **156** has a total volume of about 7 ft.sup.3 to about 10 ft.sup.3, or about 8 ft.sup.3. In alternative embodiments, the full-sized refrigerator **156** has any total volume that enables the full-sized refrigerator **156** to operate as described herein. In the illustrated embodiment, the full-sized refrigerator **156** is clad in panels that make the full-sized refrigerator **156** look like the cabinets **166**. In alternative embodiments, the full-sized refrigerator **156** may have any design that enables the full-sized refrigerator **156** and the kitchen **154** to operate as described herein.

(27) As shown in FIG. 3, cabinets **166** are arranged in a corner of the kitchen **154** and the housing unit **100** and are attached to the second wall **114** and the fourth wall **118**. The cabinets **166** have a height **174** of about 8 ft 7 inches and the full-sized refrigerator **156** and the microwave oven/convection oven combination **162** are positioned within the cabinets **166**. The cabinets **166** provide storage for non-perishable kitchen items, the full-sized refrigerator **156** provides storage for perishable kitchen items, and the microwave oven/convection oven combination **162** cooks food. In alternative embodiments, the cabinets **166**, the full-sized refrigerator **156**, and the microwave oven/convection oven combination **162** may have any arrangement relative to each other that enables the kitchen **154** to operate as described herein.

(28) The countertop **172** is attached to the fourth wall **118** and positioned next to the cabinets **166**, the full-sized refrigerator **156**, and the microwave oven/convection oven combination **162**. Shelving **168** is positioned above the countertop **172** and attached to the fourth wall **118**. The sink **164** and the stove **160** are positioned on the countertop **172** and the cabinets **166** are also positioned below the countertop **172**. The sink **164** provides water to the kitchen **154** and the stove **160** cooks food. The dishwasher **158** cleans dishes and is positioned in the cabinets **166** below the countertop **172**. The shelving **168** positioned above the countertop **172** provides storage for non-perishable kitchen items.

(29) The television **170** is positioned next to the shelving **168** positioned above the countertop **172** and attached to the fourth wall **118**. The cabinets **166** are also attached to the fourth wall **118** and positioned below the television **170**. The cabinets **166** positioned below the television **170** provide storage for non-perishable kitchen items and the television **170** and the television provides entertainment. Additional shelving **168** is attached to the fourth wall **118** and positioned next to the cabinets **166** positioned below the television **170** to provide additional storage for the housing unit **100**.

(30) FIG. 4 illustrates an elevation view of the second wall **114** including an entertainment system **176**. The entertainment system **176** includes a screen **178**, a projector **180**, and at least one speaker **182**. The entertainment system **176** is configured to provide a large entertainment system while taking up a minimal amount of space. For example, the screen **178** is attached to the ceiling **106** and is selectively movable between a stored configuration and a deployed configuration. In the

stored configuration, the screen **178** is retracted into the ceiling **106** such that the screen **178** is not visible and does not cover the window **124**. For example, the screen **178** may be attached to a roller (not shown) within the ceiling **106** and the screen **178** is rolled up into the ceiling **106** by rotating the roller. In the deployed configuration, the screen **178** is unrolled and at least partially covers the window **124** to provide a large viewing area and to prevent exterior light interfering with the projector **180**. In the illustrated embodiment, the window **124** has a window height **184** of about 6 ft and a window width **186** of about 4 ft. Similarly, when in the deployed configuration, the screen **178** has a screen height **188** of about 6 ft and a screen width **190** of about 4 ft to enable the screen to completely cover the window **124**.

(31) In the illustrated embodiment, the projector **180** is an ultra-short throw mini projector that is positioned less than 1 foot away from a screen and projects an image on the screen that has a display size of at least 100 inches when measured diagonally from a first corner of the image to a second corner of the image. In the illustrated embodiment, the projector **180** is positioned a projector distance **192** away from the screen **178** of about 1 ft. In alternative embodiments, the projector **180** may be positioned any distance from the screen **178** that enables the entertainment system to operate as described herein. The at least one speaker **182** is positioned within the housing unit **100** and broadcasts sound from the projector **180** into the housing unit **100**. The at least one speaker **182** may be positioned at any location within the housing unit **100** that enables the speakers **182** to operate as described herein. For example, in the illustrated embodiment, the at least one speaker **182** is attached to the second wall **114** and broadcasts sound from the projector **180** into the housing unit **100**.

(32) The housing unit **100** also includes a table system **194** movably positioned within the housing unit **100**. As shown in FIG. 2, the table system **194** may be positioned proximate the kitchen **154** and the entertainment system **176**. In the illustrated embodiment, the table system **194** is convertible into a table **196** and at least one chair **198**. The at least one chair **198** may be two or more chairs. The table system **194** folds to provide storage for the table **196** and the chairs **198** when not in use. During use, the table system **194** unfolds to free the chairs **198** and to make the table **196** larger to provide a larger surface for eat and working. Thus, the table system **194** expands and contracts to provide additional surfaces for the household as needed.

(33) The housing unit **100** also includes a raised bed unit **200**. FIG. 5 is a perspective schematic view of the raised bed unit **200**. FIG. 6 is an exploded view of the raised bed unit **200**. FIG. 7 is a perspective view of the raised bed unit **200** with portions of the raised bed unit **200** removed. The raised bed unit **200** includes of a plurality of modules **202** attached to each other and a first bed **204** positioned on the modules **202**. The modules **202** include a storage module **206**, a first closet module **208**, a second closet module **210**, a desk module **212**, a bench module **214**, a stair module **216**, and a headboard **218**. The modules **202** are attached to each other to form the raised bed unit **200** and to define a raised platform **220**, a storage area **222** beneath the raised platform **220**, and a walking path **224** around the raised platform **220**. The raised platform **220** supports the first bed **204**, and the storage area **222** stores components of the storage module **206**, the first closet module **208**, the second closet module **210**, and the desk module **212** as described herein.

(34) The storage module **206** is positioned proximate the third wall **116** and the second interior wall **130** and forms a first edge **226** of the raised bed unit **200**. The storage module **206** may be attached to the third wall **116** and the second interior wall **130** for additional stability. The storage module **206** defines a storage compartment **228** at least partially within the storage area **222** beneath the raised platform **220**. The storage module **206** includes at least one door **230** for access to the storage compartment **228**.

(35) The first closet module **208** is positioned proximate the storage module **206** and the second interior wall **130** and is attached to the storage module **206** and the second closet module **210** for stability. The first closet module **208** may also be attached to the second interior wall **130** for additional stability. The first closet module **208** defines a first closet **232** at least partially

positioned in the storage area **222** in a stored configuration. The first closet module **208** includes a first closet shell **234** and a first movable closet platform **236** selectively movable between the stored configuration and a deployed configuration. In the stored configuration, the first movable closet platform **236** is positioned within the first closet shell **234** and the storage area **222** beneath the raised platform **220**. In the deployed configuration, the first movable closet platform **236** is positioned out of the first closet shell **234** and the storage area **222**. The first movable closet platform **236** does not extend the entire length of the first closet module **208**, and, as such, the first closet **232** is not positioned proximate the second interior wall **130**. Thus, the first closet **232** is positioned a first distance **238** from the third wall **116** and a second distance **240** from the second interior wall **130** or a distance from the walls **102** and the interior walls **108**. In the illustrated embodiment, the first distance **238** is 3 ft 2 inches and the second distance **240** is 1.25 ft. In alternative embodiments, the first and second distances **238** and **240** may be any distance that enables the raised bed unit **200** to operate as described herein.

(36) The second closet module **210** is positioned proximate the first closet module **208** and the second interior wall **130** and is attached to the first closet module **208** and the desk module **212** for stability. The second closet module **210** may also be attached to the second interior wall **130** for additional stability. The second closet module **210** defines a second closet **242** at least partially positioned in the storage area **222** in a stored configuration. The second closet module **210** includes a second closet shell **244** and a second movable closet platform **246** selectively movable between the stored configuration and a deployed configuration. In the stored configuration, the second movable closet platform **246** is positioned within the second closet shell **244** and the storage area **222** beneath the raised platform **220**. In the deployed configuration, the second movable closet platform **246** is positioned out of the second closet shell **244** and the storage area **222**. The second movable closet platform **246** does not extend the entire length of the second closet module **210**, and, as such, the second closet **242** is not positioned proximate the second interior wall **130**. Thus, the second closet **242** is positioned a third distance **248** from the third wall **116** and a fourth distance **250** from the second interior wall **130** or a distance from the walls **102** and the interior walls **108**. In the illustrated embodiment, the third distance **248** is 5 ft 1.25 inches and the fourth distance **250** is 1.25 ft. In alternative embodiments, the third and fourth distances **248** and **250** may be any distance that enables the raised bed unit **200** to operate as described herein.

(37) The desk module **212** is positioned proximate the second closet module **210** and is attached to the second closet module **210** and the bench module **214** for stability. The desk module **212** defines a desk **252** at least partially positioned in the storage area **222** in a stored configuration. The desk module **212** includes a desk shell **254** and a movable desk **256** selectively movable between the stored configuration and a deployed configuration. In the stored configuration, the movable desk **256** is positioned within the desk shell **254** and the storage area **222** beneath the raised platform **220**. In the deployed configuration, the movable desk **256** is positioned out of the desk shell **254** and the storage area **222**.

(38) The bench module **214** is positioned proximate the desk module **212** and the stair module **216** and is attached to the desk module **212** and the stair module **216** for stability. The bench module **214** defines a bench **258** extending along a length **260** of the bench module **214** and at least one cabinet **262** positioned beneath the bench **258**. In the illustrated embodiment, the at least one cabinet **262** includes three cabinets **262** positioned beneath the bench **258**. In alternative embodiments, the bench module **214** may include any number of cabinets **262** that enable the bench module **214** to operate as described herein. The stair module **216** is positioned proximate the desk module **212** and the bench module **214** and is attached to the desk module **212** and the bench module **214** for stability. The stair module **216** defines a plurality of stairs **264** that provide access to the walking path **224**. The headboard **218** is positioned on the raised platform **220** proximate the second interior wall **130** and is attached to the raised platform **220** for stability. The headboard **218** may also be attached to the second interior wall **130** for additional stability. The headboard **218**

may include electrical outlets (not shown) and lights (not shown). The window **142** is positioned above the headboard **218** of the raised bed unit **200**.

(39) The housing unit **100** also includes a couch **266** movably positioned proximate the third wall **216** and the raised bed unit **200**. Specifically, the couch **266** is sized and shaped to be positioned in front of the doors **230** of the storage module **206**. The couch **266** is moved away from the doors **230** to access the storage compartment **228**. Additionally, the couch **266** is convertible between a couch configuration and a bed configuration. FIG. **8** is a perspective view of the couch **266** in the couch configuration with a trundle drawer **268** pulled out and FIG. **9** is a perspective view of the couch **266** in the bed configuration. As shown in FIGS. **8** and **9**, the couch includes the trundle drawer **268**, a first cushion **270**, and a second cushion **272** positioned on top of the first cushion **270** in the couch configuration. The couch **266** is converted into the bed configuration by pulling out the trundle drawer **268** and repositioning the second cushion **272** from on top of the first cushion **270** to within the trundle drawer **268** next to the first cushion **270**. The first cushion **270** and the second cushion **272** form a second bed **274** when the couch **266** is reconfigured in the bed configuration. In the illustrated embodiment, the second bed **274** is a queen-sized bed. In alternative embodiments, the second bed **274** may be any size that enables the couch **266** to operate as described herein.

(40) FIG. **10** is a flow diagram of a method **300** of furnishing a housing unit. The housing unit is defined by at least four walls that define an area of the housing unit. The method **300** includes installing **302** at least one interior wall. The method **300** also includes installing **304** a full kitchen positioned along at least one of the at least four walls. The method **300** further includes assembling **306** a raised bed unit positioned along the at least one interior wall and at least one of the at least one four walls. The raised bed unit defines a closet positioned beneath the raised bed unit. The area of the housing unit is less than 400 square feet. The raised bed unit may include a plurality of modules and assembling the raised bed may include assembling the plurality of modules. The plurality of modules may include a closet module including a closet shell and a movable closet platform, and the movable closet platform may be selectively movable between a stored configuration and a deployed configuration. The plurality of modules may include a desk module including a desk shell and a movable desk, and the movable desk may be selectively movable between a stored configuration and a deployed configuration.

(41) The foregoing description, for purpose of explanation, has been described with reference to specific embodiments. However, the illustrative discussions above are not intended to be exhaustive or to limit the invention to the precise forms disclosed. Many modifications and variations are possible in view of the above teachings. The embodiments were chosen and described in order to best explain the principles of the present systems and methods and their practical applications, to thereby enable others skilled in the art to best utilize the present systems and methods and various embodiments with various modifications as may be suited to the particular use contemplated.

(42) Unless otherwise noted, the terms “a” or “an,” as used in the specification and claims, are to be construed as meaning “at least one of.” In addition, for ease of use, the words “including” and “having,” as used in the specification and claims, are interchangeable with and have the same meaning as the word “comprising.” In addition, the term “based on” as used in the specification and the claims is to be construed as meaning “based at least upon.”

Claims

1. A dwelling comprising: at least four walls defining a housing unit and an area of the housing unit, the housing unit comprising: at least one interior wall, wherein at least one of the at least four walls and the at least one interior wall define a bathroom; a full-sized kitchen positioned along at least one of the four walls; a first closet positioned a distance from the four walls and the interior

wall, wherein the first closet includes a closet rod configured to hang clothes, one or more shelves, a closet shell, and a movable closet platform, and wherein the movable closet platform is selectively movable between a stored configuration and a deployed configuration relative to the closet shell; and a raised bed unit comprising a raised platform and a first bed positioned on the raised platform, the raised platform defining a storage area beneath the first bed, wherein the first closet is positioned at least partially within the storage area, and wherein the area of the housing unit is less than 400 square feet.

2. The dwelling of claim 1, further comprising a desk at least partially positioned within the storage area.

3. The dwelling of claim 1, wherein the housing unit further comprises a second closet at least partially positioned within the storage area.

4. The dwelling of claim 1, wherein the raised platform unit defines a walking path routed around the first bed, wherein the walking path is at least partially positioned between the first bed and at least three of the four walls.

5. The dwelling of claim 1, wherein the full-sized kitchen comprises a full-sized refrigerator, a dishwasher, a stove, and a sink.

6. The dwelling of claim 1, wherein the housing unit further comprises a couch that converts into a second bed.

7. The dwelling of claim 6, wherein the couch includes a trundle drawer, a first cushion, and a second cushion positioned on top of the first cushion in a couch configuration, and wherein the couch is converted into a bed configuration by pulling out the trundle drawer and repositioning the second cushion from on top of the first cushion to within the trundle drawer next to the first cushion, and wherein the first cushion and the second cushion form the second bed, and wherein the second bed is a queen-sized bed.

8. The dwelling of claim 1, wherein the at least four walls and the at least one interior wall have a wall height of at least 10 feet.

9. The dwelling of claim 1, wherein at least one of the at least four walls includes at least one window having a window height of about 6 ft and a window width of about 4 ft.

10. The dwelling of claim 9, wherein the housing unit further comprises an entertainment system including a screen and an ultra-short throw mini projector.

11. The dwelling of claim 10, further comprising a ceiling attached to the at least four walls and the at least one interior wall, and wherein the projector and the screen are attached to the ceiling, wherein the screen is selectively movable between a stored configuration and a deployed configuration, and wherein the screen at least partially covers the window in the deployed configuration.

12. The dwelling of claim 1, wherein the dwelling is a hotel and the housing unit is a hotel room.

13. The dwelling of claim 1, wherein the dwelling is an apartment building and the housing unit is an apartment of the apartment building.

14. The dwelling of claim 1, wherein the dwelling is an extended stay hotel and the housing unit is an extended stay hotel room.

15. The dwelling of claim 1, the raised bed unit further comprising: a stair module, wherein the stair module provides access to the raised platform; and a bench module, wherein the bench module is attached to the stair module.

16. A method of furnishing a housing unit, the housing unit defined by at least four walls that define an area of the housing unit, the method comprising: installing at least one interior wall, wherein at least one of the at least four walls and the at least one interior wall define a bathroom; installing a full kitchen positioned along at least one of the at least four walls; and assembling a raised bed unit positioned along the at least one interior wall and at least one of the at least one four walls, wherein the raised bed unit defines a closet positioned beneath the raised bed unit, wherein the closet includes a closet rod configured to hang clothes, one or more shelves, a closet shell, and

a movable closet platform, wherein the movable closet platform is selectively movable between a stored configuration and a deployed configuration relative to the closet shell; and wherein the area of the housing unit is less than 400 square feet.

17. The method of claim 16, wherein the raised bed unit comprises a plurality of modules, and wherein assembling the raised bed comprises assembling the plurality of modules.

18. The method of claim 17, wherein the plurality of modules comprises a desk module comprising a desk shell and a movable desk, and wherein the movable desk is selectively movable between a stored configuration and a deployed configuration.

19. A dwelling comprising: at least four walls defining a housing unit defining an area of the housing unit, the housing unit comprising: at least one interior wall, wherein at least one of the at least four walls and the at least one interior wall define a bathroom; a full-sized kitchen positioned along at least one the four walls; a raised bed unit comprising a raised platform and a bed positioned on the raised platform unit, the raised platform unit defining a storage area beneath the bed; a first closet positioned at least partially within the storage area, wherein the first closet includes a closet rod configured to hang clothes, one or more shelves, a first closet shell, and a first movable closet platform, and wherein the first movable closet platform is selectively movable between a stored configuration and a deployed configuration relative to the closet shell; a second closet positioned at least partially within the storage area, wherein the second closet includes a second closet shell and a second movable closet platform, and wherein the second movable closet platform is selectively movable between the stored configuration and the deployed configuration; and a desk positioned at least partially within the storage area, wherein the area of the housing unit is less than 400 square feet.
