

DESCRIPTION

TITLE OF INVENTION: Building of Nursing Facility or Medical Facility

5 TECHNICAL FIELD

[0001]

The present invention relates to a building of a nursing facility or a medical facility.

BACKGROUND ART

10 [0002]

Conventionally, in many cases, in a nursing facility accommodating a plurality of care receivers (elderly persons, persons with disabilities, etc.), a filth treatment room (laundry room) used by a staff member (care staff member or the like) of the facility is provided in order to wash clothes or the like (for example, diapers) to which dirt of a care receiver is stuck (see, for example, Patent Literature 1). Such a filth treatment room is usually provided at one location for each section (for example, for each floor) in a facility, and clothes and the like to which dirt is stuck are carried from the private room or the toilet of a care receiver to the filth treatment room by a staff member.

20 CITATION LIST

PATENT LITERATURE

[0003]

Patent Literature 1: JP 2016-183518 A (paragraphs [0002] and [0003])

25 SUMMARY OF INVENTION

TECHNICAL PROBLEM

[0004]

However, in a conventional nursing facility, it is necessary to pass through a common hallway such as a corridor to carry clothes or the like to which dirt is stuck to the filth treatment room, and thus there is a possibility that a pathogen such as bacteria, fungi, or viruses (for example, viruses that cause COVID-19 (novel coronavirus infection)) contained in the dirt, or an odor emitted from the dirt spreads out in the facility through the common hallway.

[0005]

Such a problem can similarly occur not only in a nursing facility but also in a medical facility (such as a hospital or a clinic) provided with an inpatient facility.

[0006]

The present invention has been made in view of the above points, and an object of the present invention is to prevent spreading of a pathogen or an odor in a nursing facility or a medical facility caused by bringing clothes or the like to which dirt is stuck into a common hallway.

SOLUTION TO PROBLEM

[0007]

A building of a nursing facility or a medical facility according to the present invention made to solve the above problem includes:

a common hallway;

a plurality of private rooms connected through the common hallway;

a toilet (room with a toilet bowl) provided to a part of the plurality of private rooms

and allowing entrance from and exit to said part of the plurality of private rooms without

passage through the common hallway; and

a filth treatment room adjacent to the toilet and allowing direct entrance from and exit to the toilet, in which

the filth treatment room has an exit to outdoors without passage through the common hallway.

[0008]

According to such a configuration, clothes or the like to which dirt is stuck can be brought to the outdoors without passing through the common hallway, and treated (for example, washed or disposed of) at a predetermined place. The clothes or the like to which dirt is stuck may be prewashed in the filth treatment room if necessary before being brought to the outdoors. The predetermined place may be a waste storage place, a laundry room, or the like provided in a place other than the building, or may be a laundry room or the like provided inside the building.

[0009]

That is, the building of a nursing facility or a medical facility according to the present invention may further include a common laundry room, in which

the common laundry room has an entry allowing entrance from the outdoors to the common laundry room without passage through the common hallway.

[0010]

According to such a configuration, it is possible that clothes or the like to which dirt is stuck is prewashed in the filth treatment room as necessary, brought to the laundry room without passing through the common hallway, and washed in the laundry room.

ADVANTAGEOUS EFFECTS OF INVENTION

[0011]

As described above, with the building of a nursing facility or a medical facility according to the present invention, it is possible to prevent a pathogen contained in dirt stuck to clothes or the like or an odor emitted from the dirt from spreading out in the facility through the common hallway.

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BRIEF DESCRIPTION OF DRAWINGS

[0012]

[Fig. 1] Fig. 1 is a plan view of a building according to an embodiment of the present invention.

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[Fig. 2] Fig. 2 is a plan view of the building in which each of a plurality of residential units, a staff member space, and shared spaces included in the building is applied with different shading.

[Fig. 3] Fig. 3 is a perspective view of a third residential unit.

[Fig. 4] Fig. 4 is a plan view illustrating another configuration example of the

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building according to the present invention.

DESCRIPTION OF EMBODIMENTS

[0013]

Hereinafter, an embodiment for implementing a building of a nursing facility or a
20 medical facility (hereinafter simply referred to as "building") according to the present invention will be described with reference to the drawings.

[0014]

Figs. 1 and 2 are plan views of a building according to a present embodiment. In Fig.
2, each of the plurality of residential units 110, 120, 210, and 220, the staff member space
25 300, and shared spaces 130 and 230 included in the building is applied with different shading.

[0015]

This building is a one-story building included in a nursing facility for the elderly or the handicapped, and includes a first zone 100 capable of accommodating up to 5 people, a second zone 200 capable of accommodating up to 4 people, and a staff member space 300.

5 Thus, by dividing the inside of the building into two zones and letting a relatively small number of people to make communal life in each zone, it is possible to provide care and support under a situation close to life in ordinary homes.

[0016]

The staff member space 300 is a space used by facility staff members (care worker
10 or the like) and includes kitchen/pantry rooms 301 and 302, an office 303, and a nap room 304.

[0017]

The first zone 100 includes the first residential unit 110, the second residential unit 120, and the shared space 130. The second zone 200 includes the third residential unit 210,
15 the fourth residential unit 220, and the shared space 230. The shared spaces 130 and 230 are spaces used by both the residents and the facility staff members of the nursing facility and each include a common hallway 131 or 231 connecting the residential units 110 and 120 or the residential units 210 and 220, a bathroom 132 or 232, a dressing room 133 or 233, a common living room/dining room 134 or 234, and an entrance 135 or 235. The common
20 hallway 131 of the first zone 100 and the common hallway 231 of the second zone 200 communicate with each other near the center of the building, and their boundary portion is partitioned by a partition wall 236 provided with a door.

[0018]

The shared space 130 of the first zone 100 is provided with a laundry room 136. In
25 the laundry room 136, a washing machine, a dryer, a draining basin, a hand wash sink, and

the like are installed. The laundry room 136 has a laundry room/common hallway door 137 which is a door provided on a wall between the common hallway 131 and the laundry room 136, and a laundry room/outdoor door 138 which is a door provided on a wall between the outdoors and the laundry room 136 (that is, an outer wall 401 of the building), the laundry room 136 being configured to allow entrance from and exit to the common hallway 131 and the outdoors in two directions.

[0019]

Each of the residential units 110, 120, 210, and 220 is a private space that is used by only some of the residents in the first zone 100 or some of the residents in the second zone 200. Each of the residential units 110, 120, 210, and 220 in the present embodiment includes one of front rooms 20A to 20D, a plurality of private rooms 10A to 10I connected to the front rooms 20A to 20D, toilets 30A to 30G used by the residents of the private rooms 10A to 10I, and filth cleaning and shower rooms (correspond to "filth treatment room" in the present invention, hereinafter referred to as "filth cleaning room") 40A to 40E provided to the toilets 30A to 30G.

[0020]

Hereinafter, details of each unit will be described with reference to third residential unit 210 as an example. Fig. 3 is a perspective view of the third residential unit 210. This residential unit includes the two private rooms 10F and 10G used by different residents, and the front room 20C, the toilet 30F, and the filth cleaning room 40D provided between the private rooms 10F and 10G and commonly used by the residents of the private rooms 10F and 10G. Hereinafter, one of the private rooms included in the third residential unit 210 is referred to as first private room 10F and the other is referred to as second private room 10G. In FIG. 3, "F" is added to the end of each reference numeral regarding the first private room 10F, and "G" is added to the end of each reference numeral regarding the second private

room 10G. However, in the following description, "F" and "G" are not added to the end of each reference numeral when it is not necessary to distinguish them. The front room 20C, the toilet 30F, and the filth cleaning room 40D are arranged in this order from the common hallway 231 toward the outside of the building, the front room 20C is adjacent to the common hallway 231, and the filth cleaning room 40D faces the outer wall 401 of the building.

[0021]

Each of the first private room 10F and the second private room 10G includes a bedroom 12 and a living room 11, and the bedroom 12 and the living room 11 are partitioned by double-sliding doors 13 including a fusuma or the like. The bedroom 12 is a room for sleeping, and the living room 11 is a room for dining and relaxing. As described above, by dividing the internal space of each of the private rooms 10F and 10G according to purposes, it is possible to create an environment in which a resident having autism, dementia, a symptom accompanied with behavioral disorder, or the like is less likely to be confused. By dividing each of the private rooms 10F and 10G into two parts, even when family members of the residents stay in the private rooms 10F and 10G, it is possible to secure a private space for both the residents and the family members. A bed 14 is arranged in the bedroom 12, and the living room 11 is provided with a storage space 15 for storing personal belongings of the resident, a wash basin 16 for washing hands or brushing teeth, and a stove 17 for boiling water or reheating food (an IH heater or an electric kettle may be provided instead of the stove 17).

[0022]

Each of the private rooms 10F and 10G can be used as a continuous space by removing the double-sliding doors 13 described above. Thus, for example, at the time of terminal care, by arranging the beds 14 at the centers of the private rooms 10F and 10G, care

can be provided from the entire circumference of each bed 14. The partition between the bedroom 12 and the living room 11 is not limited to the double-sliding doors 13 described above, and for example, an accordion curtain, a partition that can be opened and closed, or the like may be used.

5 [0023]

The front room 20C is a buffer area between the common hallway 231 and each of the private rooms 10F and 10G, and a front room/hallway door 21 is provided on a wall between the front room 20C and the common hallway 231. It is desirable that the front room/hallway door 21 be retractable in front of, behind, or inside an adjacent wall when not
 10 in use, and a boundary between the common hallway 231 and the front room 20C be able to fully open. Furthermore, a front room/first private room door 22 is provided on a wall between the front room 20C and the first private room 10F, a front room/second private room door 23 is provided on a wall between the front room 20C and the second private room 10G. A front room/toilet door 24 is provided on a wall between the front room 20C and the toilet
 15 30F. By providing such a front room 20C, it is possible to lower the psychological barrier when the resident of the first private room 10F or the second private room 10G gets out of the own private room 10F or 10G to the common hallway 231. By providing such a front room 20C, there is also an effect of making the inside of the first private room 10F or the second private room 10G invisible from the common hallway 231 when the front
 20 room/hallway door 21 is opened. Note that an entrance between the front room and the common hallway need not include a door (that is, the front room/hallway door 21), but the configuration in which the door 21 is provided is more desirable because the space between the residential unit 210 and the common hallway 231 can be closed when the resident in the residential unit 210 suffers from an infection. In a case where the resident of any one of the
 25 private rooms 10F and 10G suffers from a specific infection, the facility staff member is

required to wear personal protective equipment (PPE) such as a mask, an apron, and goggles when entering the private rooms 10F and 10G from the shared space, and to remove the PPE from the body when exiting the private rooms 10F and 10G to the shared spaces 130 and 230. In such occasion, the front room 20C can be used as a space for attaching and detaching the PPE.

[0024]

The toilet 30F is provided with a toilet bowl 31 and a hand wash basin 32. In the third residential unit 210, the two private rooms 10F and 10G share one toilet 30F, so that a large space for toilet can be secured in a limited building space. Thus, for example, it is possible to provide the toilet 30F with a size in which the resident of each of the private rooms 10F and 10G is allowed to use the toilet 30F with sitting on a wheelchair.

[0025]

The filth cleaning room 40D is provided with a shower 41 for washing away dirt stuck to the body of the resident, and a draining basin (corresponding to a "wash basin" in the present invention) 42 for pre-washing clothes such as diapers, sheets, wipes, and the like (hereinafter simply referred to as "clothes or the like") to which dirt is stuck. On the floor of the filth cleaning room 40D, a drain hole 43 for draining water discharged from the shower 41 is provided.

[0026]

The wall between the toilet 30F and the filth cleaning room 40D is provided with a toilet/filth cleaning room door 44, and the wall between the filth cleaning room 40D and the outdoors (that is, the outer wall 401 of the building) is provided with a filth cleaning room/outdoor door 45. Furthermore, the wall between the filth cleaning room 40D and the first private room 10F is provided with a filth cleaning room/first private room door 46, and the wall between the filth cleaning room 40D and the second private room 10G is provided

with a filth cleaning room/second private room door 47.

[0027]

When the resident in the first private room 10F or the second private room 10G uses the toilet 30F, the resident first opens the front room/first private room door 22 or the front room/second private room door 23 to enter the front room 20C, and then opens the front room/toilet door 24 to move to the toilet 30F. Alternatively, first, the resident can open the filth cleaning room/first private room door 46 or the filth cleaning room/second private room door 47 to enter the filth cleaning room 40D, and then open the toilet/filth cleaning room door 44 to move to the toilet 30F.

[0028]

The residential unit in the present embodiment is not necessarily limited to the above configuration, and may be configured not to include, for example, the filth cleaning room/first private room door 46 and the filth cleaning room/second private room door 47. Thus, there is one entrance for entering the toilet 30F from each of the private rooms 10F and 10G (that is, there is only the front room/toilet door 24). As a result, when one of the residents of the first private room 10F and the second private room 10G is in the toilet 30F, locking the door of the entrance (that is, the front room/toilet door) can prevent the other resident from entering the toilet 30F. Alternatively, in addition to or in place of the filth cleaning room/first private room door 46 and the filth cleaning room/second private room door 47, doors may be provided on a wall between the first private room 10F and the toilet 30F and on a wall between the second private room 10G and the toilet 30F, so that the residents of the first private room and the second private room can directly enter and leave the toilet 30F from their respective private rooms (that is, without passing through the front room 20C or the filth cleaning room 40D).

[0029]

In the above residential unit 210, when dirt is stuck to the clothes or the like of the resident, the facility staff member carries the clothes or the like to the filth cleaning room 40D, pre-washes the clothes or the like with the draining basin 42 as necessary, and then carries the clothes or the like to the laundry room 136 provided in the shared space 130 of the first zone 100. The clothes or the like carried to the laundry room 136 are immediately washed by the facility staff member using the washing machine installed in the laundry room 136, or collected in a predetermined collection box or the like install in the laundry room 136 and then collectively washed later.

[0030]

As described above, the filth cleaning room 40D has the entrance (that is, the toilet/filth cleaning room door 44, the filth cleaning room/first private room door 46, and the filth cleaning room/second private room door 47) on each of the wall between the filth cleaning room 40D and the toilet 30F, the wall between the filth cleaning room 40D and the first private room 10F, and the wall between the filth cleaning room 40D and the second private room 10G, so that it is possible to directly move from any of the toilet 30F, the first private room 10F, and the second private room 10G to the filth cleaning room 40D. Since the filth cleaning room 40D also has the entrance (that is, the filth cleaning room/outdoor door 45) on the wall between the filth cleaning room 40D and the outdoors, the facility staff member can directly carry the clothes or the like to the outdoors without passing through the common hallway 231 or the like. Furthermore, since the laundry room 136 is provided with the laundry room/outdoor door 138 as described above, the clothes or the like can be directly carried from the outdoors to the laundry room 136 by opening the door 138.

[0031]

In the residential unit 210, when dirt is stuck to the body of the resident at the time of using the toilet 30F or when the resident has fecal or urinary incontinence in the bedroom

12, the resident moves to the filth cleaning room 40D by oneself or with the help of the facility staff member, and can wash away the dirt stuck to the body using the shower 41 provided in the filth cleaning room 40D. Consequently, the resident with dirt stuck to the body can purify the body without moving from the residential unit 210 to the bathroom 232 through the common hallway 231.

[0032]

The building according to the present embodiment includes, in addition to the third residential unit 210 described above, residential units having various configurations.

For example, in the fourth residential unit 220, the toilet 30G is adjacent to only one side, the private room 10H, and is not adjacent to the other side, the private room 10I, but the residents in any of the private rooms can move to the toilet 30G and the filth cleaning room 40E through the front room 20D. In the second residential unit 120, the toilets 30D and 30E are provided to the two private rooms 10D and 10E, respectively, and the one filth cleaning room 40C is provided to the two toilets 30D and 30E. In the first residential unit 110, the toilets 30A, 30B, and 30C are provided to the three private rooms 10A, 10B, and 10C, respectively, one filth cleaning room 40B is provided to two of the toilets 30B and 30C, and one filth cleaning room 40A is provided to the remaining one toilet 30A. In these residential units 110, 120, and 220, similarly to the third residential unit 210 described above, the filth cleaning room 40A, 40B, 40C, and 40E are each provided with a door that leads to the outdoors. Accordingly, clothes or the like to which dirt is stuck can be carried to the laundry room 136 without passing through the common hallways 131 and 231.

[0033]

As described above, with the building according to the present embodiment, it is possible to prevent pathogen and odor derived from dirt from spreading out in the building through the common hallway 231.

[0034]

In the building according to the present embodiment described above, when the resident of any of the private rooms 10A to 10I suffers from a specific infection, the PPE used by the facility staff member can be carried out directly from the filth cleaning room to the outdoors and disposed of, and thus it is also possible to prevent the pathogen derived from the used PPE from spreading out in the building through the common hallways 131 and 231.

[0035]

Although the embodiment of the present invention is described with specific examples, the building according to the present invention is not limited to such an embodiment, and an appropriate change in the scope of the present invention is acceptable.

[0036]

For example, in the above embodiment, it is configured that one front room is provided to two or three private rooms, but the present invention is not limited to this configuration, and one front room may be provided to one private room. One front room may be provided to four or more private rooms. Alternatively, it may be configured not to provide the front room, and each private room may be configured to allow direct entrance from and exit to the common hallway.

[0037]

In the above embodiment, the wall including the door is provided between the toilet and the filth cleaning room. However, it is not always necessary to provide a wall between the toilet and the filth cleaning room. In this case, for example, the toilet and the filth cleaning room can be partitioned by a shower curtain or the like. In the above embodiment, both the shower and the draining basin are provided in the filth cleaning room, but only one of the shower and the draining basin may be provided in the filth cleaning room.

[0038]

Furthermore, in the above embodiment, it is configured to allow direct exit from the filth cleaning room to the outdoors, but the present invention is not limited to this configuration, and it may be configured to allow exit from the filth cleaning room to the outdoors through a path different from the common hallway.

[0039]

In the above embodiment, the laundry room 136 is provided only in the first zone 100, but laundry rooms may be provided to both the first zone 100 and the second zone 200. Alternatively, each residential unit may be provided with one laundry room. With such a configuration, the laundry from each residential unit can be washed in the laundry room dedicated to the residential unit, and thus, when infection occurs in some residential units, it is possible to effectively prevent the pathogen from spreading outside the residential units.

[0040]

In the above embodiment, the clothes carried from the filth cleaning room to the outdoors are brought to and washed in the laundry room provided in the same building including the filth cleaning room, but the present invention is not limited to this, and the clothes carried from the filth cleaning room to the outdoors may be disposed of at a waste storage place provided in the outdoors, or may be brought to and washed in a laundry room provided in a different building from the building including the filth cleaning room.

[0041]

In the above embodiment, a one-story building has been described as an example, but the building according to the present invention can be a two or more story building. In this case, for example, as illustrated in Fig. 4, an outer corridor 51 is provided along the outer wall 401 of the building on the second or higher floor and a door 53 is provided on a wall (that is, the outer wall 401) between a filth cleaning room 52 and the outer corridor 51, so

that it is configured to allow direct exit from the filth cleaning room 52 to the outer corridor 51 (that is, the outdoors). Here, the outer corridor 51 is a corridor that faces the outside of the building and is open to the outside air, and may have a roof or may have no roof. After the clothes or the like are carried from the filth cleaning room 52 to the outer corridor 51, the clothes or the like may be brought to a laundry room 54 provided on the same floor as the filth cleaning room 52, or may be brought to a laundry room provided on another floor through an outer stair 55 provided to the outer corridor 51. In either case, the laundry room is provided with the door 53 that allows entrance from and exit to the outdoors. The clothes carried to the outer corridor 51 may be disposed of at a waste storage place provided outdoors through the outer stair 55, or may be brought to and washed in a laundry room provided in another building. Instead of the outer corridor 51, a balcony or a veranda may be provided, and it may be configured to allow the facility staff member or the like to directly exit from the filth cleaning room 52 to the balcony or the veranda (that is, the outdoors) and to move to the laundry room 54 through the balcony or the veranda.

15 [0042]

The present invention can be similarly applied not only to a building of a nursing facility as in the above embodiment but also to a building of a medical facility provided with an inpatient facility. In that case, a sickroom in the medical facility corresponds to the private room in the present invention.

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REFERENCE SIGNS LIST

[0043]

110, 120, 210, 220... Residential Unit

10A to 10I... Private Room

25 12... Bedroom

- 11... Living Room
- 130, 230... Shared Space
- 131, 231... Common Hallway
- 136... Laundry Room
- 5 138... Laundry Room/Outdoor Door
- 20A to 20D... Front Room
- 21... Front Room/Hallway Door
- 30A to 30G... Toilet
- 401... Outer Wall
- 10 40A to 40E... Filth Cleaning and Shower Room
- 41... Shower
- 42... Draining Basin
- 44... Toilet/Filth Cleaning Room Door
- 45... Filth Cleaning Room/Outdoor Door
- 15 46... Filth Cleaning Room/First Private Room Door
- 47... Filth Cleaning Room/Second Private Room Door
- 51... Outer Corridor

CLAIMS

[Claim 1] A building of a nursing facility or a medical facility, comprising:

a common hallway;

5 a plurality of private rooms connected through the common hallway;

a toilet provided to a part of the plurality of private rooms and allowing entrance from and exit to said part of the plurality of private rooms without passage through the common hallway; and

a filth treatment room adjacent to the toilet and allowing direct entrance from and
10 exit to the toilet, wherein

the filth treatment room has an exit to outdoors without passage through the common hallway.

[Claim 2] The building of a nursing facility or a medical facility according to
15 claim 1, further comprising a common laundry room, wherein

the common laundry room has an entry allowing entrance from the outdoors to the common laundry room without passage through the common hallway.

[Claim 3] The building of a nursing facility or a medical facility according to
20 claim 1 or 2, wherein the toilet has a door on a boundary with each of said part of the plurality of private rooms.

[Claim 4] The building of a nursing facility or a medical facility according to
any one of claims 1 to 3, wherein the filth treatment room has a door on a boundary with
25 each of said part of the plurality of private rooms.

[Claim 5] The building of a nursing facility or a medical facility according to any one of claims 1 to 3, further comprising a front room provided between said a part of the plurality of private rooms and the common hallway, wherein

5 the front room has a door on a boundary with each of said part of the plurality of private rooms.

[Claim 6] The building of a nursing facility or a medical facility according to claim 5, wherein the front room is adjacent to the toilet and has a door on a boundary with

10 the toilet.

[Claim 7] The building of a nursing facility or a medical facility according to any one of claims 1 to 6, wherein the filth treatment room is equipped with a shower.

15 [Claim 8] The building of a nursing facility or a medical facility according to any one of claims 1 to 7, wherein the filth treatment room is equipped with a wash basin.

[Claim 9] The building of a nursing facility or a medical facility according to any one of claims 1 to 8, wherein each of at least a part of the plurality of private rooms

20 includes a bedroom and a living room partitioned by a partition.

[Claim 10] The building of a nursing facility or a medical facility according to claim 9, wherein the partition includes a removable sliding door, an accordion curtain, or an openable partition.

[Claim 11] The building of a nursing facility or a medical facility according to claim 9 or 10, wherein the bedroom is adjacent to the filth treatment room and has an entrance on a boundary with the filth treatment room.