

Project #1

Shields Residence Entry Design

Introduction:

The purpose of this project is to further develop your skills in space planning and interior design for residential spaces. Further, you will continue to apply the design process by analyzing programming information to solve the functional design problem.

This particular project will emphasize the design of entry ways (both primary and secondary) with an introduction to social spaces and powder rooms. You will utilize your skills in space planning, drafting, stair design, section and floor plan drawing, and rendering to produce a finished, informal design presentation.

Programming:

You are to develop a design solution for the primary and secondary entry spaces in the Shields Family's (Nancy, Tom, Gabe –15, Joe– 12, Sadie –8) townhouse, located near the Spokane River in the Downtown Spokane Kendall Yards neighborhood. Since this is new construction in a new residential neighborhood, you will have a unique opportunity to help shape the design of the entire space.

You will be using your staircase design inspiration photo and the following programming information to solve the design problem:

Primary Entry area: (125 sf minimum)

Provide sufficient space within the **primary entry** area to include the following items:

- **Entry door/ clearance:**
 - Provide sufficient space for an inward swinging (36" wide, minimum) door
 - Allow for the client to open the door and then stand aside to let visitors pass (5' x7' of clear floor space is generally acceptable).
 - Consider the style, scale and materials of the front door as a key design feature.
 - Views to the exterior through glazing in the door, side lights, or clearstory windows are desired. The style, location, and size of windows will also add to the architectural and interior design character of the space.
 - Security—consider lighting and other security precautions at this location.
- **Storage/ Coat Storage:** (50 sf minimum)
 - Provide a storage solution for coats located either in the entry or directly adjacent to it.
 - Storage must be equal to: 5'-0" of lineal coat storage (at a minimum), and 30" deep inside clear to accommodate bulky clothing.
 - Also provide adequate storage for the type of activities taking place in the entry (cleaning supplies, outdoor gear, backpacks for school, etc.).
 - Think about the placement of the storage to maximize the function of the space.
 - The "look" of this storage is important—it should be able to be completely closed off so that it maintains a tidy appearance within the space.

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- **Seating Area/Social Space:** (150-200 sf)

- Your client would like to provide a casual seating area on the main floor of their new townhouse. Their main living areas will be on the top two floors so this floor is primarily a circulation (primary and secondary entries) space, but they feel it's important to have a casual and comfortable seating area for people as they move into and out of the home. They also see this as a place for their children to gather with friends away from the other social areas of the home. Please provide the following within this area:
 - Comfortable, lounge type seating for 4-6 people. Upholstery should be durable and cleanable, since this is a high traffic area within the home.
 - Provide support furniture items as needed: side tables, coffee table, floor lamps, table lamps, sofa table, ottoman, etc.
 - Durable floor material with a recessed area rug composed of carpet tile, is desired.
 - A wood burning fireplace—with a deep, seat height, hearth to provide extra seating and a place to warm up.
 - Storage for small bundle of fire wood, kindling, newspaper, fire starters, and fire pickers.
 - They would also like a small bar type area with a mini fridge a bar sink, a counter and some storage for snack items and bar ware. A small dining space would be a welcome addition to this space if space allows.
 - Locate between the primary and secondary entries, with clear circulation to the secondary entry (where firewood is stored directly outside)
 - Views to the exterior are desired within this space

- **Powder Room:** (30-50sf)

- Provide adequate space for a toilet (suggested to have 36" clear floor space for the toilet location)
- Provide space for a free-standing sink (with separate storage) or a sink with a vanity.
- Provide a mirror over the sink.
- Provide a small amount of storage space for extra toilet paper, soap, etc. (this may be included in your vanity)
- Powder room should be conveniently located near the seating area—but without direct views into the powder room from the seating area.
- Should also be located between the primary and secondary entries—again, direct views into this space from either entry are not desired.
- It is ideal to share a plumbing wall with the mudroom if possible
- Space should have durable finishes but should also have an appearance that is appropriate for guests.

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Staircase: (SF to be determined)

- The Shields family's new townhouse is a three story structure. You will need to design the vertical connection between the floors. The design of the staircase must meet the following criteria:
 - Staircase must be directly adjacent to or located in the primary entry space.—Ideally it should be a focal point for the space, so it should be visible as guests enter the home.
 - Ceiling height is 9'-0" on each floor with 12" of structure between each floor (18" of structure between top floor and roof garden), for a total floor to floor height of: 10'-0".
 - Maximum stair riser height: 7"
 - Minimum stair tread depth: 11"
 - The placement, configuration, and detail of the staircase should be functional yet decorative and in keeping with other design elements within the space.
 - Great attention should be paid to the design and detail of the staircase.
 - The layout and design of the staircase must comply with building codes for residential spaces. (no open risers over 4" high, no spiral staircases, must include a continuous handrail on one side, meet the head clearance criteria, etc.)
 - You may include a second staircase to connect the second and third floors, if space allows and if it is in keeping with your individual design criteria for the space.

Secondary Entry/ Mudroom: (120- 150 sf minimum)

- Locate the secondary entry in a location that works functionally for the main users of the space entering the home from the alley and the detached garage/ car port.
- Entry door/ clearance: same requirements as the primary entry door.
- Allow in natural light for warmth and security for views to exterior—but provide a solution for "closing" the visual access.
- **Coat Storage: (30-60 sf)** Provide attractive storage for coats, hats, boots, and shoes as people enter this space. Your client has seen several examples in design magazines of "well equipped" mudroom spaces with built-in benches and storage, which is what they would like to see in their space.
 - Provide adequate storage for the type of activities taking place in the secondary entry (cleaning supplies, outdoor gear, wet clothing, etc.).
 - Think about the placement of the storage to maximize the function of the space. Do not consider this space as a "room" - your client wants this storage to be more like built-in casework.
 - The "look" of this storage is important—it should be able to be completely closed off so that it maintains a tidy appearance within the space.
- **Seating: (30-60 sf)**
 - Include an area to sit and take off shoes or wet clothing, large enough for 2 people.
 - Can be built-in bench type seating, or furniture pieces.
 - Finishes in this area should be durable, slip resistant, and easily cleanable.

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- **Message Center: (30-50 sf)**

- Your client would like to include a family message area within the secondary entry or closely adjacent to it—in a location that is easily accessed by the family (it should not be located in the social space nor in a highly visible location)
- Include a phone and gadget charging station, a small desk and chair, a tackable surface to leave messages, “mailboxes” for individual family members (plan for 5) and a small amount of storage for office supplies.
- This space should be neat and tidy and the style should be in keeping with the other areas of the home.
- Locate within the secondary entry space, in a logical and easily accessible location for the family to access it.

- **Pet Center: (40– 60sf)**

- The family has two dogs: Fluffy a Westie, and Duke a Labradoodle
- Your client would like an area for pet food storage as well as a place for the pets to eat
- Pet beds or pet kennels should be located in this area and should look “built –in” or integral to the design
- Finishes in this area, as with the rest of the mudroom should be pet appropriate
- Ideally, if space and budget allows, your clients would like a pet grooming area to be included here as well
- Also, if the mudroom space/ pet center could be completely closed off from the rest of the home, at times that would be useful to the clients.

Storage/ Equipment Room: (60-120 sf)

- This will be the primary area where your client will be storing cleaning supplies and overstock pantry items.
- This square footage needs to be carefully placed and considered in the functional design of the space, but no further detail needs to be added to this area.
- This is also the location for the hot water heater and building heating system.
- Locate this area away from the primary entry, near or directly adjacent to the secondary entry and with good direct access to the area where the family will be parking their cars.