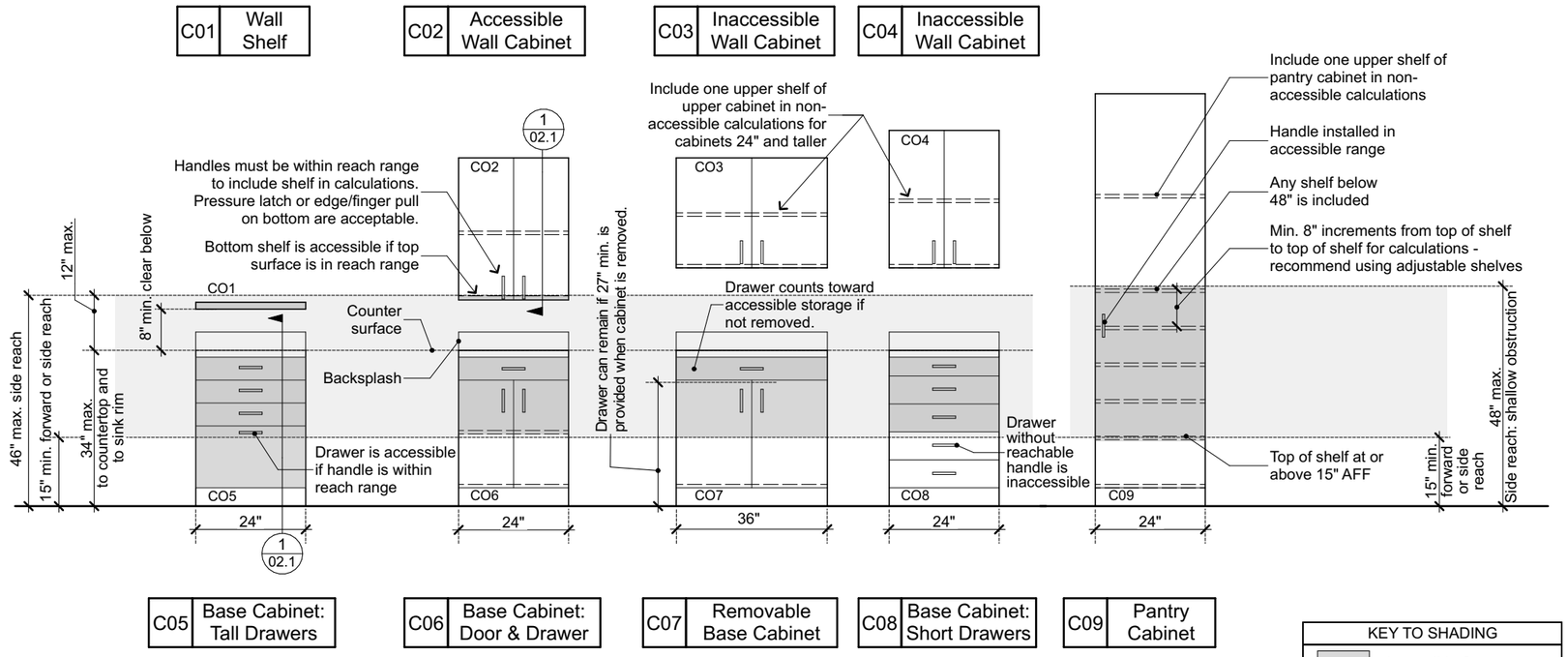
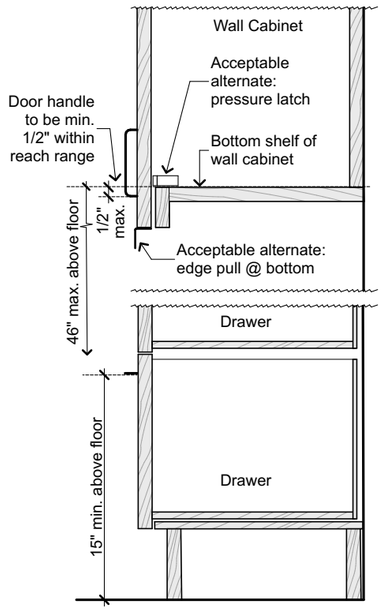



2 02.1 Examples of Kitchen Storage Types - Side Approach




**Note:** If drawer pull is 15" AFF, drawer storage below 15" AFF may be counted.

1 02.1 Cabinet Handle Location

## Example Calculations Format

| 50% Storage Calcs. - Kitchen Type X | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| **Cab. Tag** | **Accessible Shelf and Drawer Count** | **Inaccessible Shelf and Drawer Count** | **Width** | **Depth** | **Area per Shelf or Drawer** | **Accessible Storage Area** | **Innaccessible Storage Area** | **Total Storage Area** |
| C01 | 1 | 0 | 24" | 8" | 1.3 SF | **1.3 SF** | **0.0 SF** | **1.3 SF** |
| C02 | 1 | 1 | 24" | 12" | 2.0 SF | **2.0 SF** | **2.0 SF** | **4.0 SF** |
| C03 | 0 | 2 | 36" | 12" | 3.0 SF | **0.0 SF** | **6.0 SF** | **6.0 SF** |
| C04 | 0 | 2 | 24" | 12" | 2.0 SF | **0.0 SF** | **4.0 SF** | **4.0 SF** |
| C05 | 4 | 0 | 24" | 24" | 4.0 SF | **16.0** SF | **0** SF | **16.0 SF** |
| C06 | 2 | 1 | 24" | 24" | 4.0 SF | **8.0 SF** | **4.0 SF** | **12.0 SF** |
| C07 | 1 | 0 | 36" | 24" | 6.0 SF | **6.0 SF** | **0** SF | **6.0** SF |
| C08 | 3 | 2 | 24" | 24" | 4.0 SF | **12.0 SF** | **8.0 SF** | **20.0 SF** |
| C09 | 5 | 2 | 24" | 24" | 4.0 SF | **20.0 SF** | **8.0 SF** | **28.0 SF** |
| | | | | | **Total:** | **65.3** SF | **32.0** SF | **97.3** SF |
| | | | | | **Percentage Accessible:** | **65.3 / 97.3 = 67.1%** | | |

# Mayor's Office on Disability

## Information Bulletin MOD-02

| Subject | Calculation Methods for Kitchen Storage in Mobility Units |
|---|---|
| **References** | • 2019 California Building Code (CBC)<br>• 2010 ADA Standards (ADAS)<br>• Fair Housing Act Design Manual (FHADM) |
| **Purpose** | This bulletin provides guidance for calculating storage in Mobility Unit kitchens. |

For more information visit the Mayor's Office on Disability (MOD) website: sfgov.org/mod

| CBC Code Section | Summary |
|---|---|
| **11B-225.2** | At least one of each type of storage provided to be accessible. |
| **11B-305** | Clear floor space. |
| **11B-308** | Reach ranges. |
| **11B-804.5** | 50% of shelf space to comply with 11B-811. |

### Criteria for Kitchen Storage Calculations

1. Calculations and drawings must show 50% of shelving is accessible.
2. When drawer hardware is within the required reach range, the storage is accessible.
3. If the top of the front edge of a shelf is within the required reach range, the storage is accessible.
4. One removable shelf in wall cabinets is to be included in non-accessible storage calculations except for cabinets that are under 24" in height and are located above a range or refrigerator .
5. Mobility Units must have the same types of kitchen storage as comparable Adaptable Units.
   - Open shelves in Mobility Units are not comparable to shelves with a door in Adaptable Units.
   - If Adaptable Units have pantries then Mobility Units must also have pantries.
   - Drawer heights in Mobility Units are to be comparable to those in Adaptable Units.
6. Items Excluded from Calculation:
   - Bread boards.
   - Refrigerators.
   - Oven storage drawers.
   - Filler strips.
   - Removable base cabinets.
   - Corner areas of wall and base cabinets.
7. Projecting face of appliance, cannot overlap with clear floor space.

### Residential Dwelling Unit Terminology

**Mobility Unit:** Residential dwelling unit per 11B-233.3.1.1 providing mobility features complying with Sections 11B-809.2 through 11B-809.4.

**Adaptable Unit:** Residential dwelling unit per 11B-233.3.1.2, providing adaptable accessibility features as required by Sections 11B-233.3.1.2.1 through 11B-233.3.1.2.6.

**Communication Unit:** Residential dwelling unit per 11B-233.3.1.3, providing communication features complying with Section 11B-809.5.

| | | |
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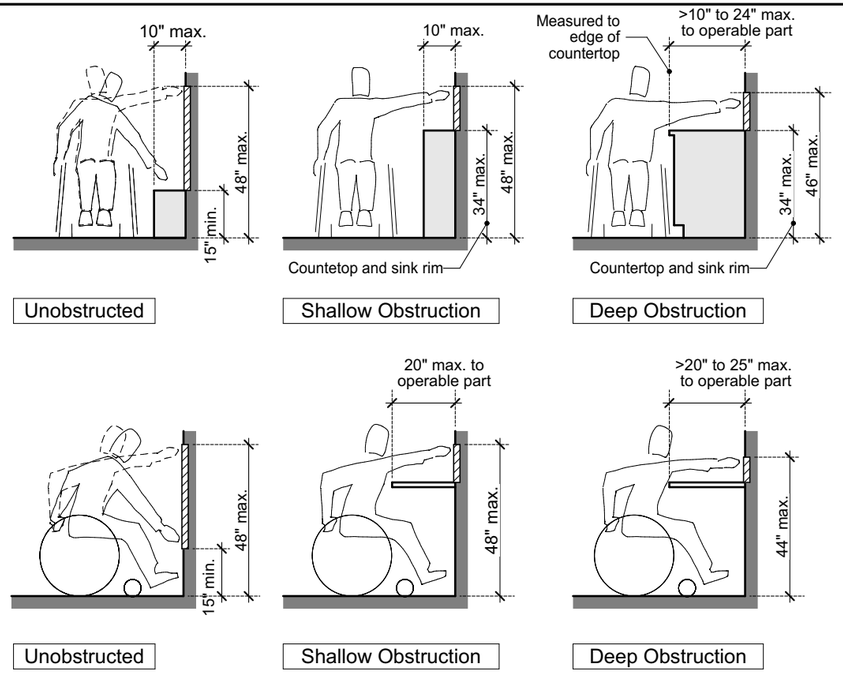
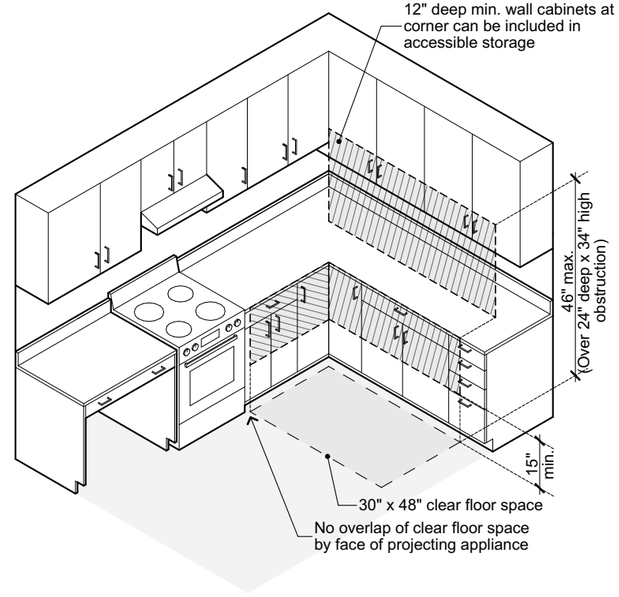


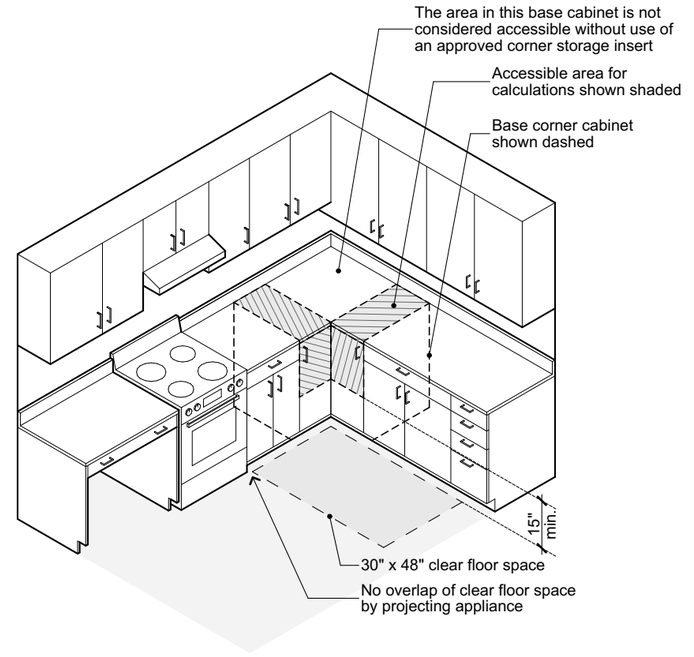

1 02.2 **Reach Ranges**




2 02.2 **Corner Storage Reach**

KEY TO SHADING

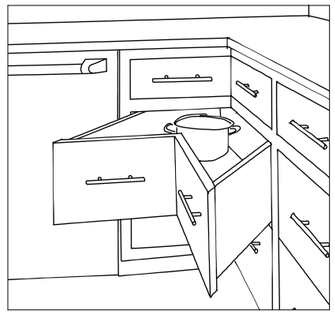
▨ = Accessible Storage from clear floor space position shown

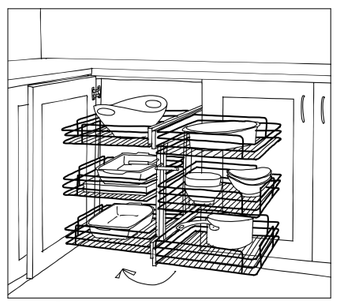



3 02.2 **Corner Base Storage**

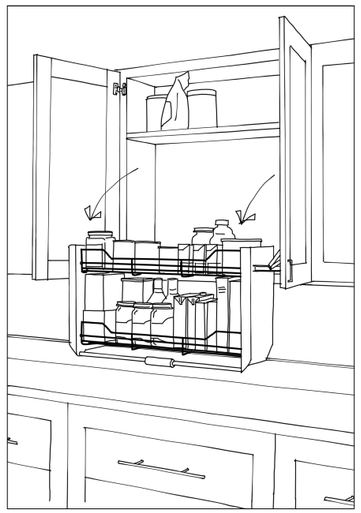
KEY TO SHADING

▨ Corner storage considered accessible

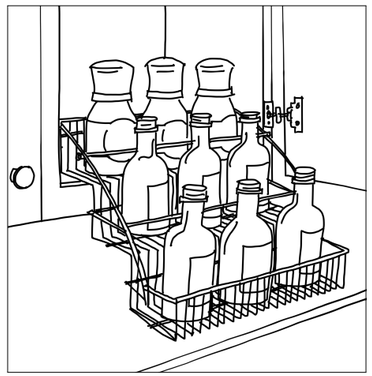




Corner Storage Examples



Wall Cabinet Storage Examples

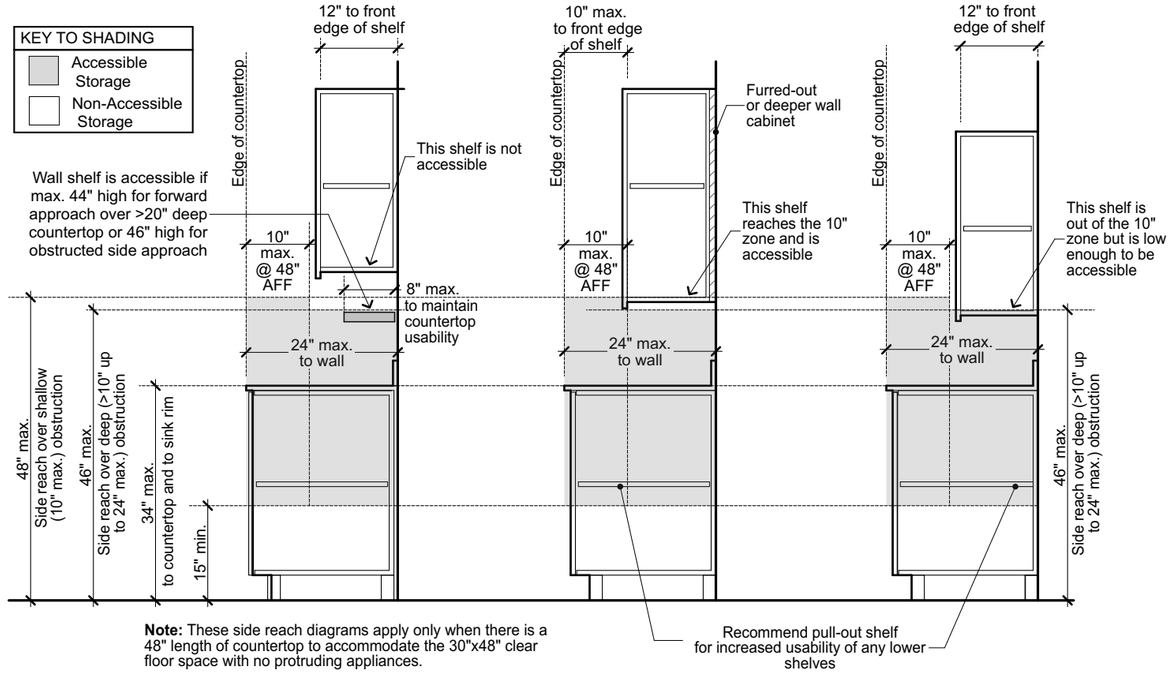


Products like these can make more wall cabinet storage accessible by bringing the contents down to a lower height and forward toward the user.

- Operating part / handle must be mounted within reach range.
- Confirm upper shelf lowers down sufficiently to be included in accessible storage.
- Five pound operating force is measured when empty.
- Operation must not require grasping/twisting.

4 02.2 **Non-Standard Storage Examples**

These images and other creative solutions for providing accessible storage are suggestions only - the project designer is responsible for demonstrating that any non-standard solution meets reach and other applicable code requirements.




5 02.2 **Side Reach Ranges for Cabinets**

| | | |
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| Not to Scale | Issue Date: 10/9/20 | Information Bulletin: MOD-02 |
| Full size printing: 11x17 | Revision Date: —/—/— | Sheet #: 02.2 (2 of 2) |