



## Murray City Basement Finish Permit

The following list is a list of common requirements needed for a basement finish permit, the purpose being to help expedite the permit process, this list may not be a complete list for the plan review as every project is unique.

### **COMMUNITY DEVELOPMENT ACCEPTANCE FOR REVIEW**

- If a kitchen is to be added, please include the Second Kitchen Covenant. Contact Murray City Planning & Zoning 801-270-2430 or [planning@murray.utah.gov](mailto:planning@murray.utah.gov) with questions.

***\*\*Submit the Building Permit Application electronically through eProcess 360: <https://murray.ut.eprocess360.com> \*\****  
***NOTE: APPLICATIONS FOR BUILDING PERMITS CANNOT BE ACCEPTED FOR PLAN REVIEW UNTIL THE SUBMITTAL IS COMPLETE.***

Contractor's name, phone number, address, and contractor's state license numbers (Required prior to issuance of the permit):

- General Contractor
- Electrical Contractor
- Plumbing Contractor
- Mechanical Contractor

### **BUILDING PLANS OF NEW AREAS**

- Floor plan layouts-label the use of all rooms (1/4"=1' or larger)
- Include smoke/Carbon monoxide detectors and the locations in the basement per R314.3
- Smoke/Carbon Monoxide detectors shall be interconnected per R314.4
- Demonstrate emergency egress per R310.2
  1. Minimum area of 5.7 ft<sup>2</sup> with a height not less than 24" and the width not less than 20"
  2. Window clear opening height to be not more than 44 inches above finished floor
  3. Window well shall not be less than 9 ft<sup>2</sup> and not be less than 36 inches wide
  4. If window wells are greater than 44" in vertical depth, ladders or steps in every bedroom needs to be included per R310.4.2
  5. If window well is under a deck or porch, there must be a path at least 36" in height and width path to yard or court
- All bathrooms in basements need GFCI outlet per E3901.6
- Any bathroom added will need to have ventilation per MI 507.4
- Bedrooms shall be at least 70 ft<sup>2</sup> and not less than 7 ft X10 ft and must include a smoke/carbon monoxide detector and a window
- List the R-Value of insulation to be installed
- Include a wall detail (see attached) example to address draftstopping and fireblocking
- Make sure ceiling height is not less than that required per R305.1, 305.1.1 and the exception to that
  1. Bedrooms, living rooms, kitchens and other areas of habitable space shall have ceiling height of 7'
  2. Hallways, bathrooms, laundry room shall have a ceiling height of at least 6' 8". The width of a hallway shall be not less than 3'.
  3. At beams, girders, ducts and similar obstructions the ceiling height shall be at least 6' 4"
- Include Supply and Return air for the basement
- Address combustion air for the furnace and water heater per G2407.5 or G2407.6
- Any structural changes would either need to meet the requirements of the span table of the IRC or need to have an Engineer approve the design
- All electrical components need to be shown (outlets, light switches, etc.)

## **ENERGY CODE**

### **R401.2 (N1101.1.3 Compliance Options**

Note: R401.2.5 The 2021 IECC requires selection of one of five additional Energy Efficiency Packages, applicable to any compliance options - deleted by state amendment.

#### **1. 2021 Prescriptive Tables:**

- a. R402.1.2 - U-factor
- b. R402.1.3 - R-Value

#### **2. 2021 REScheck**

#### **3. Utah 2012 REScheck-pass rate of 5% or better**

#### **4. Total Building Performance - R405 (N1105)**

#### **5. ERI (Energy Rating Index) - R406 (N1106)**

#### **a. Required minimum scores amended**

#### **6. R102.1.1 National Green Building Standard - comply ICC 700-2020 National Green Building Standard - with a Gold Rating**

## **Basement Wall Detail**

**(Common code requirements only)**

- Fire blocking shall be min.  $\frac{3}{4}$ " wood,  $\frac{1}{2}$ " sheetrock, or unfaced batt insulation filling the entire cavity to stop the passage of fire
- Batt insulation facing shall not be left exposed
- A top plate is required on all walls (IRC 602.3.2)

