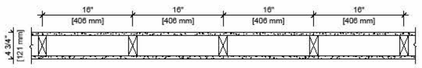
DESIGN NO. UL U305

FIRE RATING:	1 HOUR
STC RATING:	32
SOUND TEST:	RAL-TL11-129
SYSTEM THICKNESS:	4-3/4" [121 MM]
LOCATION:	INTERIOR
FRAMING TYPE:	WOOD STUD (LOAD-BEARING)



ASSEMBLY REQUIREMENTS:

GYPSUM PANELS:	ONE LAYER 5/8" [15.9 MM] SHEETROCK® GYPSUM PANEL (UL TYPE SCX)
WOOD STUDS:	2" X 4" [38 X 89 MM] WOOD STUDS, 16" [406 MM] O.C.
GYPSUM PANELS:	ONE LAYER 5/8" [15.9 MM] SHEETROCK® GYPSUM PANEL (UL TYPE SCX)

GENERAL WALL NOTES:

1. REFER TO APPLICABLE CODES REQUIREMENTS TO ENSURE COMPLIANCE PRIOR TO CONSTRUCTION.
2. FOR THE MOST UP-TO DATE DETAILS, INCLUDING CONSTRUCTION VARIATIONS, REFER TO THE PUBLISHED DESIGN.
3. WHERE DESIGN NO. INDICATES "PER", THE FIRE RATING IS BASED ON LABORATORY TEST DATA OF THE REFERENCED SIMILARLY CONSTRUCTED ASSEMBLIES.
4. STUD SIZES AND INSULATION THICKNESS ARE MINIMUM UNLESS OTHERWISE STATED IN THE PUBLISHED ASSEMBLY.
5. STUD AND FASTENER SPACINGS ARE MAXIMUM UNLESS OTHERWISE STATED IN THE PUBLISHED ASSEMBLY.
6. PANEL ORIENTATION SHALL BE AS SPECIFIED IN THE PUBLISHED DESIGN.
7. FIRE-RATINGS ARE FROM BOTH SIDES UNLESS OTHERWISE STATED.
8. FIRE-RATINGS ARE MAINTAINED WITH ONE OR MORE OF THE FOLLOWING MODIFICATIONS: INCREASE STUD DEPTH, INCREASE STUD MATERIAL THICKNESS, DECREASE STUD SPACING, DECREASE FASTENER SPACING, INCREASE INSULATION THICKNESS UP TO CAVITY DEPTH.
9. WHERE ACOUSTICAL PERFORMANCE IS PROVIDED IN AN ESTIMATED RANGE, THE VALUES ARE BASED ON LABORATORY TEST DATA OF SIMILARLY CONSTRUCTED ASSEMBLIES.
10. SOUND RATINGS ARE MAINTAINED WITH ONE OR MORE OF THE FOLLOWING MODIFICATIONS: INCREASE STUD DEPTH, DECREASE STUD MATERIAL THICKNESS, INCREASE STUD SPACING, INCREASE FASTENER SPACING, INCREASE INSULATION THICKNESS UP TO CAVITY DEPTH. MODIFICATIONS MUST NOT EXCEED LIMITATIONS OF FIRE RATING.

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UL U305

ISSUE RECORD:
Revision Date
10/05/2021 11:54:27 PM

SHEET INFORMATION:
W-P-1-04

FBC-R 302.3 Two-Family Dwellings
Dwelling units in two-family dwellings shall be separated from each other by wall and floor assemblies having not less than a 1-hour fire-resistance rating where tested in accordance with ASTM E119, UL 263 or Section 703.2.2 of the Florida Building Code, Building. Fire-resistance-rated floor/ceiling and wall assemblies shall extend to and be tight against the exterior wall, and wall assemblies shall extend to the underside of the roof sheathing.

FBC-R302.4.2 Membrane Penetrations
Membrane penetrations shall comply with Section R302.4.1. Where walls are required to have a fire-resistance rating, recessed fixtures shall be installed so that the required fire-resistance rating will not be reduced.

Exceptions:
Membrane penetrations of not more than 2-hour fire-resistance-rated walls and partitions by steel electrical boxes that do not exceed 16 square inches (0.0103 m2) in area provided that the aggregate area of the openings through the membrane does not exceed 100 square inches (0.0645 m2) in any 100 square feet (9.29 m2) of wall area.

The annular space between the wall membrane and the box shall not exceed 1/8 inch (3.1 mm). Such boxes on opposite sides of the wall shall be separated by one of the following:
By a horizontal distance of not less than 24 inches (610 mm) where the wall or partition is constructed with individual noncommunicating stud cavities.
By a horizontal distance of not less than the depth of the wall cavity where the wall cavity is filled with cellulose loose-fill, rockwool or slag mineral wool insulation.
By solid fireblocking in accordance with Section R302.11.
By protecting both boxes with listed putty pads.
By other listed materials and methods.

Membrane penetrations by listed electrical boxes of any materials provided that the boxes have been tested for use in fire-resistance-rated assemblies and are installed in accordance with the instructions included in the listing. The annular space between the wall membrane and the box shall not exceed 1/8 inch (3.1 mm) unless listed otherwise. Such boxes on opposite sides of the wall shall fe separated by one of the following:
By the horizontal distance specified in the listing of the electrical boxes.
By solid fireblocking in accordance with Section R302.11.
By protecting both boxes with listed putty pads.
By other listed materials and methods.

The annular space created by the penetration of a fire sprinkler or water-filled fire sprinkler piping provided that the annular space is covered by a metal escutcheon plate.

Ceiling membrane penetrations by listed luminaires or by luminaires protected with listed materials that have been tested for use in fire-resistance-rated assemblies and are installed in accordance with the instructions included in the listing.

1 FIRE WALL ASSEMBLY AND CODE REQUIREMENTS FOR ATTACHED UNITS

ADUs Selections & Specifications	
Item	**Specification**
Shingles	
Drip Edge	
Exterior Paint	
Body	
Trim	
Doors	
Interior Paint	
Main Walls	
Accesnt Walls (if applicable)	
Ceiling	
Trim	
Doors	
Kitchen Cabinets	
Bathroom Walls	
Windows	
Doors	
Exterior Doors	
Screen Doors	
Ext. door knobs (ADA if applicable)	
Interior Doors	
Int. door knobs (dummy + privacy) (ADA if applicable)	
Outlets/Cover Plates	
Appliances	
Refrigerator	
Range	
Microwave/hood	
Dishwasher	
Washer/Dryer (ADA if applicable)	
Kitchen	
Countertops	
Cabinets	
Knobs (ADA if applicable)	
Drawer Pulls (ADA if applicable)	
Backsplash	
Kkitchen Sink	
Kitchen Faucet	
Flooring	
Restroom & Shower tile	
Shower walls	
Restroom & Shower floor	
Bathroom	
Sink and Counter (ADA if applicable)	
Light Fixture	
Toilet	
Mirrors	
Shower Trim Kit	
Shower Head Hand-Held (ADA if applicable)	
Sink Faucet	
Linear Drain	
Fan/Lights	
Curtain Rod	
Grab Bars (ADA if applicable)	
Light Fixtures	
Exterior Sconces	
Recessed Lights	
House address numbers	

2 Specifications, Appliances, Selections

PROJECT NAME:

City of Gainesville Accessory Dwelling Unit Initiative

Model: Sweetwater (722 B)

OWNER:

DEVELOPER:

SURVEYOR:

DESIGNERS:

City of Gainesville
Department of Sustainable Development
306 NE 6th Ave, Thomas Center B
Gainesville, FL 32601
Tel. 352-334-5050

This Accessory Dwelling Unit (ADU) Construction Plan ("ADU Plans") was prepared by the City of Gainesville for general distribution to the public in an effort to promote affordable housing opportunities. Any person or entity that accepts or uses these generally-distributed ADU Plans ("User") agrees to assume any and all risks incidental to or inherent in such acceptance or use of the ADU Plans, and any and all use of or modification to the ADU Plans is the sole responsibility of the User. All construction pursued in accordance with the ADU Plans must comply with the applicable current building codes (FBC Residential 8th Edition 2023, as may be amended) and all applicable local codes and regulations. The City of Gainesville and its elected and appointed officials, officers, employees, and agents ("Released Parties") are not responsible for the ways and means of construction by the User or any of User's agents, employees, partners, contractors, or subcontractors, pursued in accordance with the ADU Plans, and the Released Parties provide no warranty and assume no liability for any acceptance or use of the ADU Plans.

By User's willful act of accepting or using the ADU Plans, User agrees to release and forever discharge the Released Parties of and from all liabilities, claims, suits, actions, damages, costs, or expenses of any nature arising out of or in any way connected with User's acceptance or use of the ADU Plans. User further agrees to indemnify and hold each of the Released Parties harmless against any and all such liabilities, judgments, losses, claims, actions, demands, damages, costs, fines, fees, expenses, liens, penalties, suits, proceedings, actions, costs of actions, and attorneys' fees for trial and on appeal (collectively, "Claims"), whether or not a lawsuit is filed, which Claims of any kind and nature are alleged or found to have arisen out of or to be in any way connected with User's acceptance and use of the ADU Plans or the use of the ADU Plans by any of User's agents, employees, partners, contractors, or subcontractors. User understands that this release and indemnity includes any claims based on any negligent act or omission, or reckless or intentional wrongful act or omission, of the Released Parties, and covers bodily injury (including death) and property loss or damage, before, during or after any acceptance of use of the ADU Plans.

DATE:	12/16/2025
PROJECT NUMBER:	
PROJECT PHASE:	
SCALE:	

SHEET NAME
Fire Wall Assembly & Code, Selections

A4

DATE TIME STAMP: 12/18/2025 1:45:08 PM

FILE PATH: V:\Building\REVIT\ADU Projects\+ ADU Project Sets\PLANS FOR CITY TO HAND OUT\722 B - Sweetwater ADU\722 B - Sweetwater ADU.rvt