

| PROJECT | | | | | | | | | | | | |
|---------------|---------------------------|-------------------------------|----------------------|--------------------|------------|------------------------|-------------|---------------------|-----------------|------------------|-------------|-------------|
| Title | Kauffman Residence | | Bedrooms | 2 | | Address Type* | | Street Address | | | | |
| Building Type | User | | Conditioned Area | 1400 | | Lot # | | | | | | |
| Owner | Kauffman | | Total Stories | 1 | | Block/SubDivision | | | | | | |
| # of Units | 1 | | Worst Case. | No | | PlatBook | | | | | | |
| Builder Name | Bryan Zecher Construction | | Rotate Angle | 0 | | Street | | County Rd 341 | | | | |
| Permit Office | Columbia County | | Cross Ventilation | | | County | | Columbia | | | | |
| Jurisdiction | 221000 | | Whole House Fan | | | City, State, Zip | | Lake City , | | | | |
| Family Type | Single-family | | | | | | | FL , 32055- | | | | |
| New/Existing | New (From Plans) | | | | | | | | | | | |
| Comment | | | | | | | | | | | | |
| CLIMATE | | | | | | | | | | | | |
| ✓ | Design Location | TMY Site | IECC Zone | Design Temp 97 5 % | 2 5 % | Int Design Temp Winter | Summer | Heating Degree Days | Design Moisture | Daily Temp Range | | |
| _____ | FL, Gainesville | FL_GAINESVILLE_REGI | 2 | 32 | 92 | 70 | 75 | 1305 5 | 51 | Medium | | |
| BLOCKS | | | | | | | | | | | | |
| | Number | Name | Area | Volume | | | | | | | | |
| | 1 | Block1 | 1400 | 12600 | | | | | | | | |
| SPACES | | | | | | | | | | | | |
| | Number | Name | Area | Volume | Kitchen | Occupants | Bedrooms | Infil ID | Finished | Cooled | Heated | |
| | 1 | Main | 1400 | 12600 | Yes | 2 | 2 | 1 | Yes | Yes | Yes | |
| FLOORS | | | | | | | | | | | | |
| ✓ | # | Floor Type | Space | Perimeter | R-Value | Area | | Tile | Wood | Carpet | | |
| _____ | 1 | Slab-On-Grade Edge Insulation | Main | 170 ft | 0 | 1400 ft² | ---- | 0 3 | 0.4 | 0 3 | | |
| ROOF | | | | | | | | | | | | |
| ✓ | # | Type | Materials | Roof Area | Gable Area | Roof Color | Solar Absor | SA Tested | Emitt | Emitt Tested | Deck Insul. | Pitch (deg) |
| _____ | 1 | Hip | Composition shingles | 1622 ft² | 0 ft² | Medium | 0 96 | No | 0.9 | No | 0 | 30 3 |
| ATTIC | | | | | | | | | | | | |
| ✓ | # | Type | Ventilation | Vent Ratio (1 in) | Area | RBS | IRCC | | | | | |
| _____ | 1 | Full attic | Vented | 300 | 1400 ft² | N | N | | | | | |
| CEILING | | | | | | | | | | | | |
| ✓ | # | Ceiling Type | Space | R-Value | Area | Framing Frac | Truss Type | | | | | |
| _____ | 1 | Under Attic (Vented) | Main | 30 | 1400 ft² | 0 11 | Wood | | | | | |

| WALLS | | | | | | | | | | | | | | |
|-------|------|-------------|--------------|-------|----------------|----------|----|-----------|----|-----------|-------------------|------------------|--------------|--------------|
| ✓ # | Ornt | Adjacent To | Wall Type | Space | Cavity R-Value | Width Ft | In | Height Ft | In | Area | Sheathing R-Value | Framing Fraction | Solar Absor. | Below Grade% |
| 1 | N | Exterior | Frame - Wood | Main | 13 | 24 | 6 | 9 | 0 | 220 5 ft² | | 0 23 | 0 75 | 0 |
| 2 | E | Exterior | Frame - Wood | Main | 13 | 50 | 0 | 9 | 0 | 450 0 ft² | | 0 23 | 0 75 | 0 |
| 3 | S | Exterior | Frame - Wood | Main | 13 | 21 | 0 | 9 | 0 | 189 0 ft² | | 0 23 | 0 75 | 0 |
| 4 | W | Exterior | Frame - Wood | Main | 13 | 11 | 0 | 9 | 0 | 99 0 ft² | | 0 23 | 0 75 | 0 |
| 5 | S | Exterior | Frame - Wood | Main | 13 | 13 | 0 | 9 | 0 | 117 0 ft² | | 0 23 | 0 75 | 0 |
| 6 | W | Exterior | Frame - Wood | Main | 13 | 21 | 0 | 9 | 0 | 189 0 ft² | | 0 23 | 0 75 | 0 |
| 7 | N | Exterior | Frame - Wood | Main | 13 | 12 | 6 | 9 | 0 | 112 5 ft² | | 0 23 | 0 75 | 0 |
| 8 | W | Exterior | Frame - Wood | Main | 13 | 18 | 0 | 9 | 0 | 162.0 ft² | | 0 23 | 0.75 | 0 |

| DOORS | | | | | | | | | | | |
|-------|------|-----------|-------|--------|---------|----------|----|-----------|----|--------|--|
| ✓ # | Ornt | Door Type | Space | Storms | U-Value | Width Ft | In | Height Ft | In | Area | |
| 1 | N | Insulated | Main | Metal | 28 | 3 | | 6 | 8 | 20 ft² | |
| 2 | N | Insulated | Main | Metal | .46 | 3 | | 6 | 8 | 20 ft² | |

| WINDOWS | | | | | | | | | | | | | |
|--|------|---------|-------|--------------|------|----------|------|----------|----------------|------------|---------------|-----------|--|
| Orientation shown is the entered, Proposed orientation | | | | | | | | | | | | | |
| ✓ # | Ornt | Wall ID | Frame | Panes | NFRC | U-Factor | SHGC | Area | Overhang Depth | Separation | Int Shade | Screening | |
| 1 | E | 2 | Vinyl | Low-E Double | Yes | 0.55 | 0.5 | 49 8 ft² | 2 ft 0 in | 0 ft 4 in | Drapes/blinds | None | |
| 2 | E | 2 | Metal | Low-E Double | Yes | 0.55 | 0.5 | 16 0 ft² | 2 ft 0 in | 0 ft 4 in | Drapes/blinds | None | |
| 3 | S | 3 | Vinyl | Low-E Double | Yes | 0.55 | 0.5 | 4 4 ft² | 2 ft 0 in | 0 ft 4 in | Drapes/blinds | None | |
| 4 | W | 4 | Vinyl | Low-E Double | Yes | 0.55 | 0.5 | 7 1 ft² | 2 ft 0 in | 0 ft 4 in | Drapes/blinds | None | |
| 5 | S | 5 | Vinyl | Low-E Double | Yes | 0.55 | 0.5 | 49 8 ft² | 2 ft 0 in | 0 ft 4 in | Drapes/blinds | None | |
| 6 | N | 7 | Vinyl | Low-E Double | Yes | 0.55 | 0.5 | 9 8 ft² | 6 ft 0 in | 0 ft 4 in | Drapes/blinds | None | |

| INFILTRATION | | | | | | | | |
|--------------|------------|------------|------|--------|-------|--------|-----|--------|
| # | Scope | Method | SLA | CFM 50 | ELA | EqLA | ACH | ACH 50 |
| 1 | Wholehouse | Best Guess | 0005 | 1836 1 | 100.8 | 189.57 | 385 | 8 7434 |

| HEATING SYSTEM | | | | | | | |
|----------------|--------------------|---------|------------|------------|-------|-------|--|
| ✓ # | System Type | Subtype | Efficiency | Capacity | Block | Ducts | |
| 1 | Electric Heat Pump | None | HSPF 7 7 | 35 kBtu/hr | 1 | sys#1 | |

| COOLING SYSTEM | | | | | | | |
|----------------|--------------|---------|------------|------------|----------|------|-------|
| ✓ # | System Type | Subtype | Efficiency | Capacity | Air Flow | SHR | Ducts |
| 1 | Central Unit | Split | SEER 14 | 35 kBtu/hr | 1050 cfm | 0 75 | sys#1 |

| HOT WATER SYSTEM | | | | | | | | | | | | | | |
|---|---|---|---|---|--|---|---|---|---|---|---|---|---------------------|--|
| ✓ | # | System Type | SubType | Location | EF | Cap | Use | SetPnt | Conservation | | | | | |
| _____ | 1 | Electric | None | Exterior | 0 92 | 40 gal | 50 gal | 120 deg | None | | | | | |
| SOLAR HOT WATER SYSTEM | | | | | | | | | | | | | | |
| ✓ | FSEC Cert # | Company Name | | | System Model # | | Collector Model # | | Collector Area | Storage Volume | FEF | | | |
| _____ | None | None | | | | | | | ft² | | | | | |
| DUCTS | | | | | | | | | | | | | | |
| ✓ | # | ---- Supply ---- | | | ---- Return ---- | | Leakage Type | Air Handler | CFM 25 TOT | CFM25 OUT | QN | RLF | HVAC # Heat Cool | |
| | | Location | R-Value | Area | Location | Area | | | | | | | | |
| _____ | 1 | Attic | 6 | 280 ft² | Attic | 70 ft² | Default Leakage | Exterior | (Default) c | (Default) c | | | 1 1 | |
| TEMPERATURES | | | | | | | | | | | | | | |
| <div style="display: flex; justify-content: space-between;"> Programable Thermostat Y Ceiling Fans </div> | | | | | | | | | | | | | | |
| Cooling Heating Venting | <input checked="" type="checkbox"/> Jan <input checked="" type="checkbox"/> Jan <input checked="" type="checkbox"/> Jan | <input checked="" type="checkbox"/> Feb <input checked="" type="checkbox"/> Feb <input checked="" type="checkbox"/> Feb | <input checked="" type="checkbox"/> Mar <input checked="" type="checkbox"/> Mar <input checked="" type="checkbox"/> Mar | <input type="checkbox"/> Apr <input checked="" type="checkbox"/> Apr <input type="checkbox"/> Apr | <input type="checkbox"/> May <input type="checkbox"/> May <input type="checkbox"/> May | <input checked="" type="checkbox"/> Jun <input type="checkbox"/> Jun <input type="checkbox"/> Jun | <input checked="" type="checkbox"/> Jul <input type="checkbox"/> Jul <input type="checkbox"/> Jul | <input checked="" type="checkbox"/> Aug <input type="checkbox"/> Aug <input type="checkbox"/> Aug | <input checked="" type="checkbox"/> Sep <input type="checkbox"/> Sep <input type="checkbox"/> Sep | <input type="checkbox"/> Oct <input checked="" type="checkbox"/> Oct <input type="checkbox"/> Oct | <input type="checkbox"/> Nov <input checked="" type="checkbox"/> Nov <input type="checkbox"/> Nov | <input type="checkbox"/> Dec <input checked="" type="checkbox"/> Dec <input type="checkbox"/> Dec | | |
| Thermostat Schedule | HERS 2006 Reference | | | | | | | | | | | | | |
| Schedule Type | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | |
| Cooling (WD) | AM PM | 78 80 | 78 80 | 78 78 | 78 78 | 78 78 | 78 78 | 78 78 | 78 78 | 80 78 | 80 78 | 80 78 | 80 78 | |
| Cooling (WEH) | AM PM | 78 78 | 78 78 | 78 78 | 78 78 | 78 78 | 78 78 | 78 78 | 78 78 | 78 78 | 78 78 | 78 78 | 78 78 | |
| Heating (WD) | AM PM | 66 68 | 66 68 | 66 68 | 66 68 | 66 68 | 68 68 | 68 68 | 68 68 | 68 68 | 68 68 | 68 66 | 68 66 | |
| Heating (WEH) | AM PM | 66 68 | 66 68 | 66 68 | 66 68 | 66 68 | 68 68 | 68 68 | 68 68 | 68 68 | 68 68 | 68 66 | 68 66 | |

Florida Code Compliance Checklist

Florida Department of Business and Professional Regulations
Residential Whole Building Performance Method

ADDRESS: County Rd 341
Lake City, FL, 32055-

PERMIT #:

MANDATORY REQUIREMENTS SUMMARY - See individual code sections for full details.

| COMPONENT | SECTION | SUMMARY OF REQUIREMENT(S) | CHECK |
|---------------------------|---------|---|-------|
| Air leakage | 402.4 | To be caulked, gasketed, weatherstripped or otherwise sealed. Recessed lighting IC-rated as meeting ASTM E 283. Windows and doors = 0.30 cfm/sq.ft. Testing or visual inspection required. Fireplaces: gasketed doors & outdoor combustion air. Must complete envelope leakage report or visually verify Table 402.4.2. | ✓ |
| Thermostat & controls | 403.1 | At least one thermostat shall be provided for each separate heating and cooling system. Where forced-air furnace is primary system, programmable thermostat is required. Heat pumps with supplemental electric heat must prevent supplemental heat when compressor can meet the load. | ✓ |
| Ducts | 403.2.2 | All ducts, air handlers, filter boxes and building cavities which form the primary air containment passageways for air distribution systems shall be considered ducts or plenum chambers, shall be constructed and sealed in accordance with Section 503.2.7.2 of this code. | ✓ |
| | 403.3.3 | Building framing cavities shall not be used as supply ducts. | |
| Water heaters | 403.4 | Heat trap required for vertical pipe risers. Comply with efficiencies in Table 403.4.3.2. Provide switch or clearly marked circuit breaker (electric) or shutoff (gas). Circulating system pipes insulated to = R-2 + accessible manual OFF switch. | ✓ |
| Mechanical ventilation | 403.5 | Homes designed to operate at positive pressure or with mechanical ventilation systems shall not exceed the minimum ASHRAE 62 level. No make-up air from attics, crawlspaces, garages or outdoors adjacent to pools or spas. | ✓ |
| Swimming Pools & Spas | 403.9 | Pool pumps and pool pump motors with a total horsepower (HP) of = 1 HP shall have the capability of operating at two or more speeds. Spas and heated pools must have vapor-retardant covers or a liquid cover or other means proven to reduce heat loss except if 70% of heat from site-recovered energy. Off/timer switch required. Gas heaters minimum thermal efficiency=78% (82% after 4/16/13). Heat pump pool heaters minimum COP= 4.0. | N/A |
| Cooling/heating equipment | 403.6 | Sizing calculation performed & attached. Minimum efficiencies per Tables 503.2.3. Equipment efficiency verification required. Special occasion cooling or heating capacity requires separate system or variable capacity system. Electric heat >10kW must be divided into two or more stages. | ✓ |
| Ceilings/knee walls | 405.2.1 | R-19 space permitting. | ✓ |