



**Employer Assisted Housing Prototype
U.S. Department of Housing & Urban Development
December 2008**

Prototype OBJECTIVE

- Advance Departmental goal of providing safe, decent and affordable housing opportunities for low-income working persons, families and communities**
- Promote sustainable housing, energy conservation, disaster mitigation related to housing**
- Highlight opportunities to support and advance employer-assisted housing programs**
- Foster partnership development among governmental entities, public and private sectors, nonprofit organizations, and community residents**

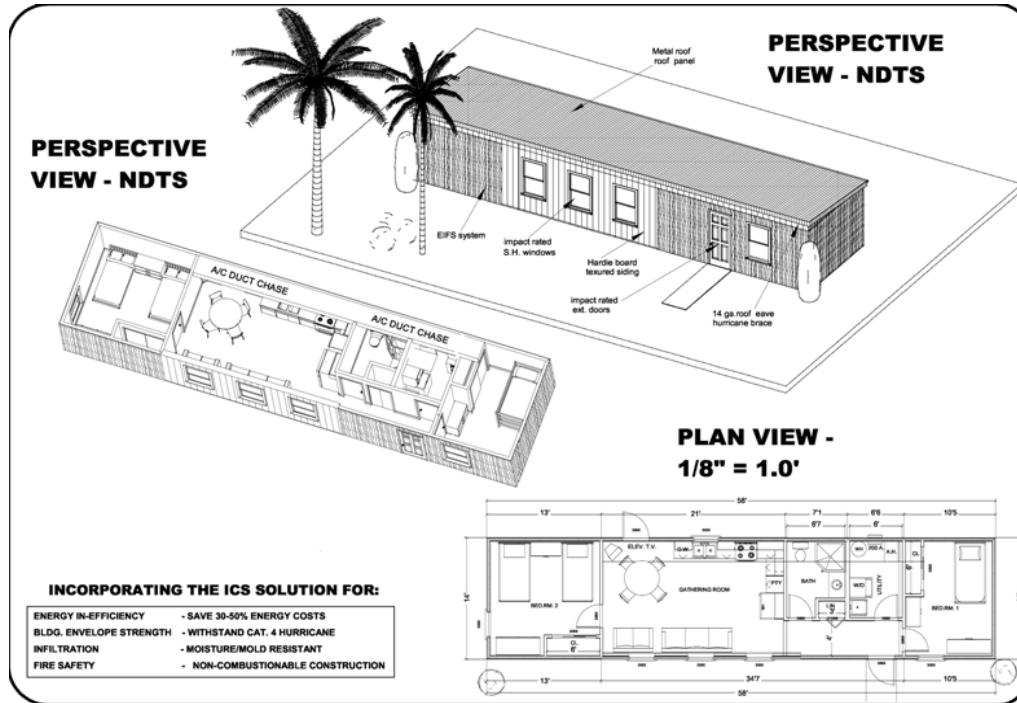
Prototype DESIGN

- Employer Assisted Housing Prototype designed and built to HUD specifications**
- Meets all the requirements of the Florida Building Code and the U.S. Department of Housing & Urban Development (USHUD).**
- Advanced Building Concepts, LLC in conjunction with ICS of Florida, Inc.(manufacturer of the modular panels) constructed the prototype.**
- The 812 sq. ft. prototype built in place on a monolithic slab at the University of Florida's Gulf Coast Research and Education Center, Wimauma, Florida.**
- Key Construction Features:**
 - Designed to accommodate up to 6 single male farm workers or family of 4**
 - Represents a home that is safe and secure**
 - Constructed to a 30% Energy Savings**
 - Able to withstand Category 4 Hurricane with winds up to 155 MPH**
 - Minimizes Mold and Mildew from water intrusion**
 - Is Termite Resistant and Fire Retardant**

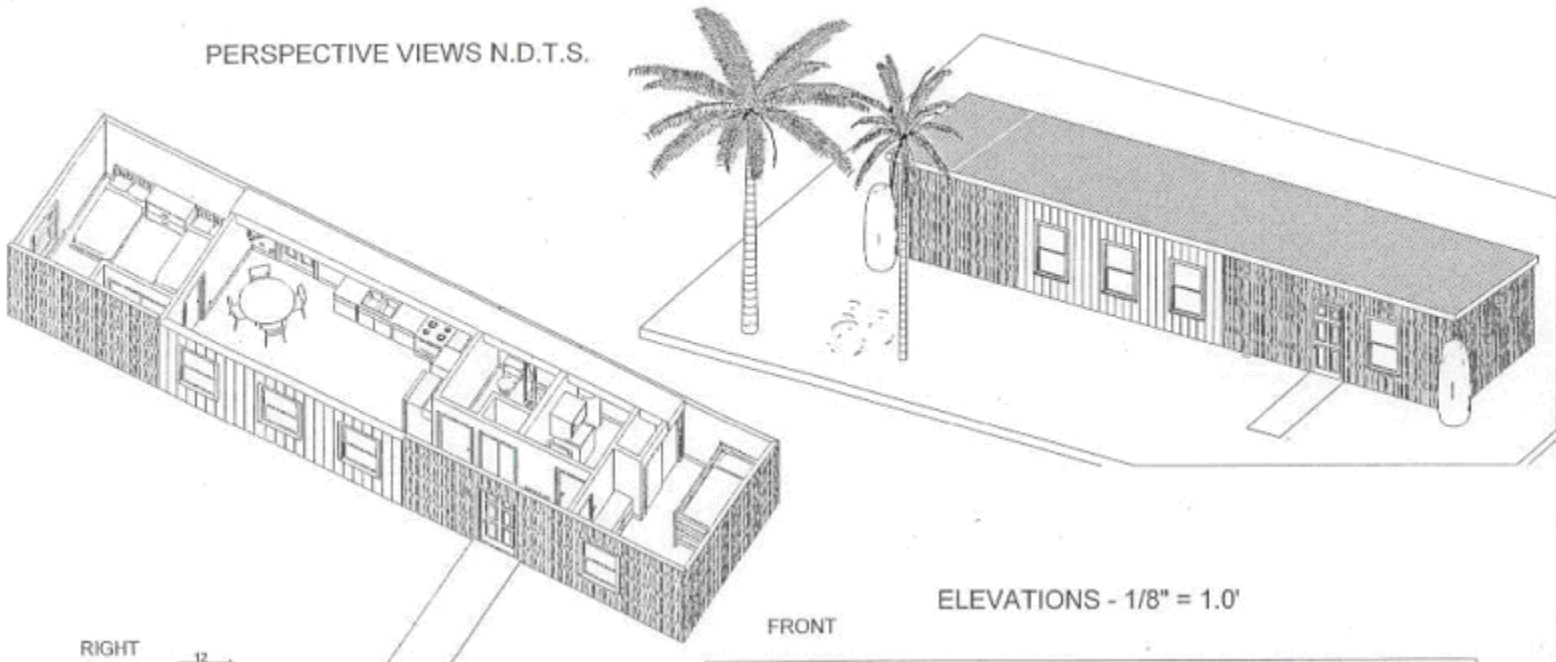
Prototype BLUE PRINTS

DRAWINGS – HOUSING PROTOTYPE

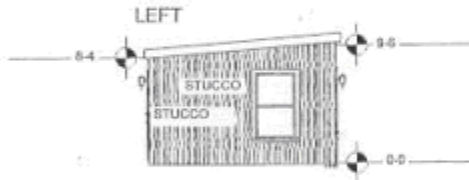
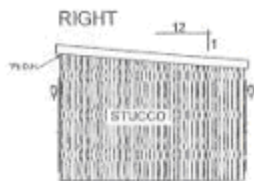
812 S.F.



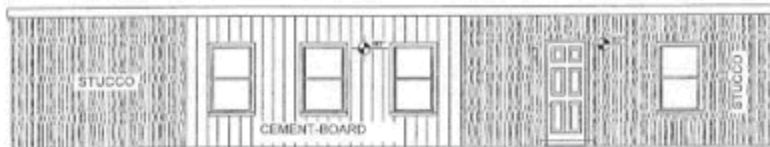
PERSPECTIVE VIEWS N.D.T.S.



ELEVATIONS - 1/8" = 1.0'



FRONT



REAR



| | |
|-----|----------|
| REV | 10/13/05 |
| | 10/18/05 |
| | |
| | |

NAME: EMPLOYER ASSISTED HOUSING

TITLE: FARMWORKER MODEL

ADVANCED BUILDING CONCEPTS, LLC

2225 W. HWY 44 - EUSTIS, FL 32728
352-489-7477 - (FAX) 352-585-8477

| | |
|--------|----------|
| JOB # | |
| DATE | 9/22/05 |
| SCALE | AS NOTED |
| DR. BY | FB |
| CK. BY | |

SAVE 30-50% ENERGY COSTS
WITHSTAND CAT. 4 HURRICANE

MOISTURE/MOLD RESISTANT - (FEMA TESTED)
NON-COMBUSTIONABLE CONSTRUCTION

Construction MATERIALS

- Monolithic Concrete Slab on grade**
- ICF Fiber rock (S.I.P.) (patent pending) Polyurethane Panel**
- Oriented Strand Board (OSB)**
- WinGurad Impact-Resistant Windows & Doors**
- Standard Wood Cabinets**
- Steel Interior Framing Studs**
- ICS F.R. Roof Panel**
- Drywall**
- VCT Flooring throughout**
- Ceramic Tile in Bathroom**
- Appliances**
 - **Stove**
 - **Hood Vent**
 - **Dishwasher**
 - **Refrigerator**
 - **Washer & Dryer**
 - **Disposal**



Concrete Poured 11/08/2006

Ribbon Cutting 12/08/2006











Prototype CONSTRUCTION COSTS

ADVANCED BUILDING CONCEPTS, LLC

2225 W. HWY 44 - EUSTIS, FL 32726 - (352) 357-5946 - FAX (352-589-7477)

STATE OF FLORIDA CERTIFIED BUILDING CONTRACTOR #CBC-1254542

ASK US ABOUT THE "ICS SOLUTION"

www.ics-sips-fl.com

FARM WORKER 14-0 X 58-0 LIVING UNIT

| HUD COST - PROTOTYPE | SCOPE | GENERAL PUBLIC ACTUAL COST + OH/PRO | % |
|-------------------------|--------|---|--------|
| 1 \$ | 645 | \$ 759 | |
| 1 \$ | 175 | \$ 206 | 0.26% |
| 1 \$ | 210 | \$ 247 | 0.32% |
| 1 \$ | 197 | \$ 232 | 0.30% |
| 1 \$ | 671 | \$ 789 | 1.01% |
| 1 \$ | 168 | \$ 198 | 0.25% |
| 1 \$ | 4,160 | \$ 4,894 | 6.27% |
| 1 \$ | 1,588 | \$ 1,868 | 2.39% |
| 1 \$ | 3,982 | \$ 4,685 | 6.00% |
| 1 \$ | 1,850 | \$ 2,176 | 2.79% |
| 1 \$ | 1,985 | \$ 2,335 | 2.99% |
| 1 \$ | 350 | \$ 412 | 0.53% |
| 1 \$ | 962 | \$ 1,132 | 1.45% |
| 1 \$ | 2,212 | \$ 2,602 | 3.34% |
| 1 \$ | 2,383 | \$ 2,804 | 3.59% |
| 1 \$ | 207 | \$ 243 | 0.31% |
| \$ | 512 | \$ 602 | 0.77% |
| 1 \$ | 965 | \$ 1,135 | 1.46% |
| 1 \$ | 3,470 | \$ 4,082 | 5.23% |
| 1 \$ | 125 | \$ 147 | 0.19% |
| 1 \$ | 600 | \$ 706 | 0.90% |
| 1 \$ | 613 | \$ 721 | 0.92% |
| 1 \$ | 88 | \$ 103 | 0.13% |
| 1 \$ | 2,889 | \$ 3,399 | 4.36% |
| \$ | 1,155 | \$ 1,359 | 1.74% |
| 1 \$ | 408 | \$ 479 | 0.61% |
| 1 | | | |
| \$ | 1,260 | \$ 1,482 | 1.90% |
| 1 \$ | 500 | \$ 588 | 0.75% |
| 1 \$ | 4,260 | \$ 5,012 | 6.42% |
| 1 \$ | 3,250 | \$ 3,824 | 4.90% |
| 1 \$ | 3,165 | \$ 3,724 | 4.77% |
| 1 \$ | 350 | \$ 412 | 0.53% |
| 1 \$ | 378 | \$ 445 | 0.57% |
| 1 \$ | - | \$ - | 0.00% |
| 1 \$ | 8,160 | \$ 9,600 | 12.30% |
| \$ | 11,951 | \$ 14,060 | 18.02% |

| | | | | |
|-----------|---------------|---------------------|------------------|-------------|
| | 1,260 | FLOOR COVERINGS | \$ 1,482 | 12. |
| \$ | 500 | ELEC FIXTURES | \$ 588 | 0. |
| \$ | 4,260 | ELEC WIRING | \$ 5,012 | 6. |
| 1 \$ | 3,250 | HEAT/AIR | \$ 3,824 | 4. |
| \$ | 3,165 | PLUMBING | \$ 3,724 | 4. |
| \$ | 350 | GRADING | \$ 412 | 0. |
| \$ | 378 | FINAL & CLEAN-UP | \$ 445 | 0. |
| \$ | - | SPECIALTIES | \$ - | 0. |
| \$ | 8,160 | ICS F.R. WALL PANEL | \$ 9,600 | 12. |
| \$ | 11,951 | ICS F.R. ROOF PANEL | \$ 14,060 | 18. |
| \$ | 475 | SIP ACCESSORIES | \$ 559 | 0. |
| \$ | 66,317 | Prototype costs | \$ 78,020 | 100. |

| | |
|--------------------|------------------|
| SUB TOTAL | \$ 66,317 |
| 15% OH/PRO. | \$ 11,703 |
| TOTAL | \$ 78,020 |

| | |
|--------------------|------------------|
| TOTAL SF | = 812 |
| COST PER SF | = \$96.08 |

GENERAL NOTES:
WALLS AND ROOFS INCORPORATING ICS STRUCTURAL PANELS -
ENERGY-STAR, GREEN BUILDING CONSTRUCTION
APPLIANCES - REFRIGERATOR - RANGE - RANGE HOOD
NOT INCLUDED:
LANDSCAPING
FURNITURE



Major PARTNERS

- ❑ University of Florida Gulf Coast Research & Education Center**
- ❑ Taylor & Fulton, Inc.**
- ❑ Enterprise Technology Partners, LLC**
- ❑ Farmworker Justice Project, U.S. Department of Agriculture**
- ❑ Office of Departmental Operations & Coordination,
U.S. Department of Housing and Urban Development**