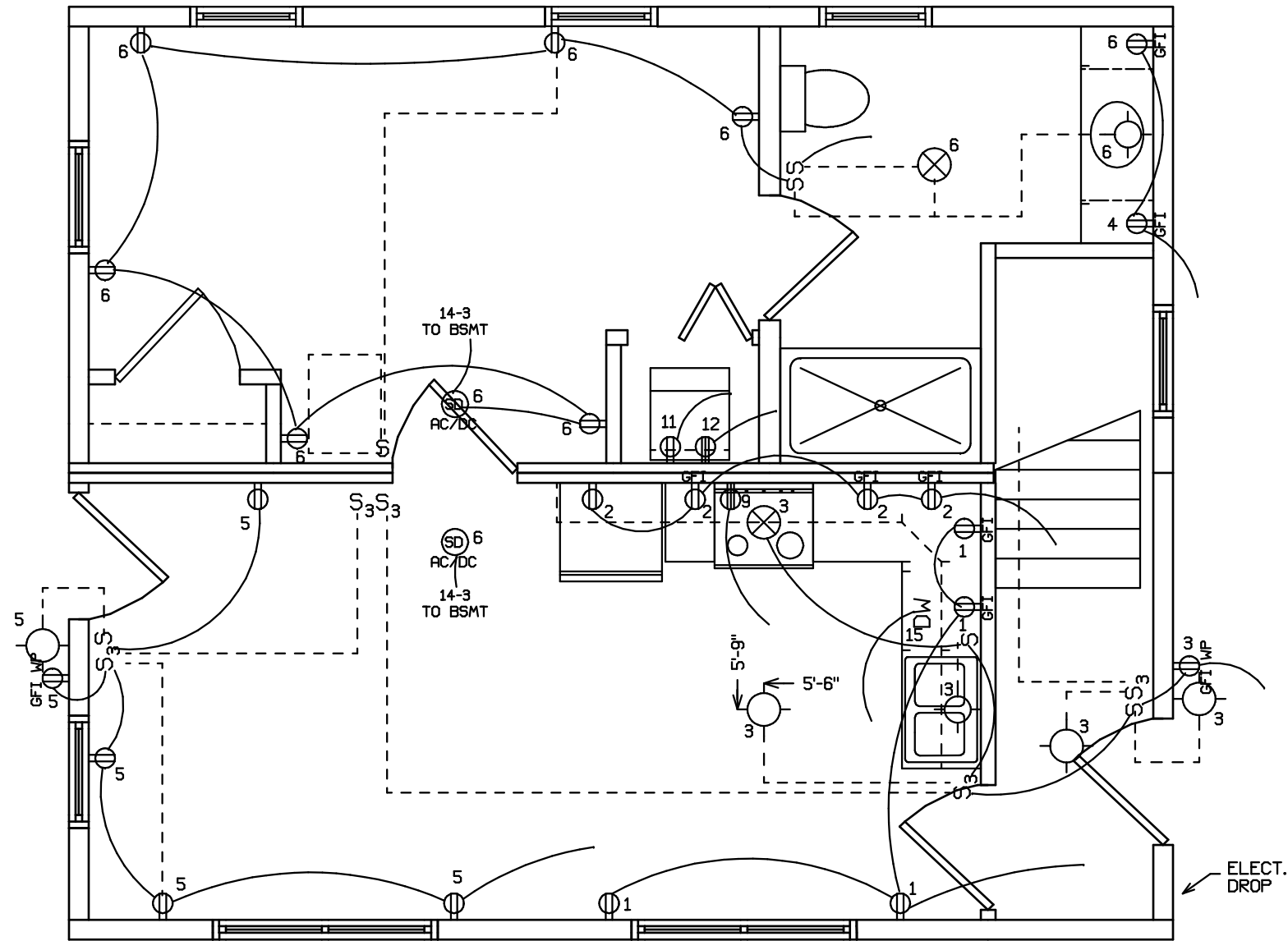
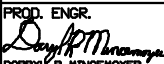


SIDEWALL= 2x6 16"oc  
 CLG. HGT.= 8'-0"  
 ADDTL BSMT COL - #  
 LABEL - \*

DESIGN SNOW ZONE= 40  
 ROOF= 7/12 16"oc  
 DESIGN WIND ZONE= 110 35G  
 DEST= NEW BEDFORD, MA  
 BRISTOL CO.

BLDR/DEVEL. AUTHORIZATION:		MANUF. AUTHORIZATION:	
<p><b>PREMIER BUILDERS</b>  <small>A DIV. OF MUNCY HOMES, INC.        1587 Pa Rt442E, Muncy, Pa 17758 * (570)546-8915        www.premier-builders.com</small></p>		<p>PLAN IS DERIVED FROM MASTER SERIES BUILDING SYSTEM        PROD. ENGR. <i>[Signature]</i>        DARRYL R. HINCENMEYER</p>	<p>REV:        2-1-05 JK MA        1-20-05 MU MA        1-19-05 MS REV        1-6-05 DM REV</p>
ALL AMERICAN / WHALEN 3		DATABASE: 38258	
FLOOR PLAN		PLAN NO.: 000	
DWN. BY: MINCE	DATE: 1-3-05	SCALE: 1/4"=1'-0"	DWG. NO.: 000



BLDR/DEVEL AUTHORIZATION:		MANUF. AUTHORIZATION:	
<b>PREMIER BUILDERS</b> <small>A DIV. OF MUNCY HOMES, INC.</small> <small>1567 Pa Rt442E, Muncy, Pa 17756 * (570)546-8915</small> <small>www.premier-builders.com</small>		<small>PLAN IS DERIVED FROM MASTER SERIES BUILDING SYSTEM</small> <small>PROD. ENGR.</small>  <small>DARRYL R. MINDEMOYER</small>	<small>REV.:</small> 2-1-05 JK MA
		<small>ALL AMERICAN / WHALEN 3</small>	<small>DATABASE:</small> 38258
<small>ELECT. PLAN</small>		<small>PLAN NO.:</small> 000	<small>DWG. NO.:</small> 000
<small>DWN. BY:</small> MRU	<small>DATE:</small> 1-20-05 MA	<small>SCALE:</small> 1/4"=1'-0"	<small>DWG. NO.:</small> 000

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Permit Number

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Checked By/Date

## **REScheck Compliance Certificate**

### **Massachusetts Energy Code**

REScheck Software Version 3.6 Release 1  
Data filename: O:\REScheck 38\38258.rck

PROJECT TITLE: All American / Whalen 3

CITY: New Bedford  
STATE: Massachusetts  
HDD: 5426  
CONSTRUCTION TYPE: 1 or 2 Family, Detached  
HEATING SYSTEM TYPE: Other (Non-Electric Resistance)  
WINDOW / WALL RATIO: 0.14

DATE: 02/01/05  
DATE OF PLANS: 2-1-05

PROJECT DESCRIPTION:  
Job Number: 38258  
Prepared by: John Koehler

DESIGNER/CONTRACTOR:  
Premier Builders, A Division of Muncy Homes, Inc.  
1567 PA Route 442 East, P.O. Box 337  
Muncy, PA 17756

PROJECT NOTES:  
1- Calculations reflect only that portion of unit assembled in the factory.  
2- Builders or contractors may supply and install the required floor and/or foundation wall insulation.  
3- For basements remaining unconditioned spaces, the builder shall enclose the basement stairs. The walls surrounding the basement stairs shall be insulated and protected with a vapor barrier. The builder is responsible for supplying all materials.

COMPLIANCE: Passes  
Maximum UA = 164  
Your Home UA = 137  
16.5% Better Than Code (UA)

	Gross Area or Perimeter	Cavity R-Value	Cont. R-Value	Glazing or Door U-Factor	UA
Ceiling 1: Flat Ceiling or Scissor Truss	663	38.0	0.0		20
Wall 1: Wood Frame, 16" o.c.	827	19.0	0.0		40

Window: 34 x 49 W: Vinyl Frame, Double Pane with Low-E	116			0.330	38
Door: 36 x 80 Blank: Solid	42			0.200	8
Floor 1: All-Wood Joist/Truss, Over Unconditioned Space	663	19.0	0.0		31

COMPLIANCE STATEMENT: The proposed building design described here is consistent with the building plans, specifications, and other calculations submitted with the permit application. The proposed building has been designed to meet the Massachusetts Energy Code requirements in RES *check* Version 3.6 Release 1 (formerly MEC*check*) and to comply with the mandatory requirements listed in the RES *check* Inspection Checklist.

The heating load for this building, and the cooling load if appropriate, has been determined using the applicable Standard Design Conditions found in the Code. The HVAC equipment selected to heat or cool the building shall be no greater than 125% of the design load as specified in Sections 780CMR 1310 and J4.4.

Builder/Designer \_\_\_\_\_ Date \_\_\_\_\_

# REScheck Inspection Checklist

## Massachusetts Energy Code

REScheck Software Version 3.6 Release 1

DATE: 02/01/05

PROJECT TITLE: All American / Whalen 3

Bldg. |  
Dept. |  
Use |

**Ceilings:**

- [ ] | 1. Ceiling 1: Flat Ceiling or Scissor Truss, R-38.0 cavity insulation  
| Comments:

**Above-Grade Walls:**

- [ ] | 1. Wall 1: Wood Frame, 16" o.c., R-19.0 cavity insulation  
| Comments:

**Windows:**

- [ ] | 1. Window: 34 x 49 W: Vinyl Frame, Double Pane with Low-E, U-factor: 0.330  
| For windows without labeled U-factors, describe features:  
| # Panes\_\_\_ Frame Type\_\_\_\_\_ Thermal Break? [ ] Yes [ ] No  
| Comments:

**Doors:**

- [ ] | 1. Door: 36 x 80 Blank: Solid, U-factor: 0.200  
| Comments:

**Floors:**

- [ ] | 1. Floor 1: All-Wood Joist/Truss, Over Unconditioned Space, R-19.0 cavity insulation  
| Comments:

**Air Leakage:**

- [ ] | Joints, penetrations, and all other such openings in the building envelope that are sources of air  
| leakage must be sealed.

- [ ] | When installed in the building envelope, recessed lighting fixtures  
| shall meet one of the following requirements:

- | 1. Type IC rated, manufactured with no penetrations between the inside of the recessed fixture  
| and ceiling cavity and sealed or gasketed to prevent air leakage into the unconditioned space.  
| 2. Type IC rated, in accordance with Standard ASTM E 283, with no more than 2.0 cfm (0.944  
| L/s) air movement from the the conditioned space to the ceiling cavity. The lighting fixture  
| shall have been tested at 75 PA or 1.57 lbs/ft<sup>2</sup> pressure difference and shall be labeled.

**Vapor Retarder:**

- [ ] | Required on the warm-in-winter side of all non-vented framed ceilings, walls, and floors.

**Materials Identification:**

- [ ] | Materials and equipment must be identified so that compliance can be determined.  
[ ] | Manufacturer manuals for all installed heating and cooling equipment and service water heating

equipment must be provided.

- [ ] | Insulation R-values and glazing U-factors must be clearly marked on the building plans or specifications.

**Duct Insulation:**

- [ ] | Ducts shall be insulated per Table J4.4.7.1.

**Duct Construction:**

- [ ] | All accessible joints, seams, and connections of supply and return ductwork located outside conditioned space, including stud bays or joist cavities/spaces used to transport air, shall be sealed using mastic and fibrous backing tape installed according to the manufacturer's installation instructions. Mesh tape may be omitted where gaps are less than 1/8 inch. Duct tape is not permitted.
- [ ] | The HVAC system must provide a means for balancing air and water systems.

**Temperature Controls:**

- [ ] | Thermostats are required for each separate HVAC system. A manual or automatic means to partially restrict or shut off the heating and/or cooling input to each zone or floor shall be provided.

**Heating and Cooling Equipment Sizing:**

- [ ] | Rated output capacity of the heating/cooling system is not greater than 125% of the design load as specified in Sections 780CMR 1310 and J4.4.

**Circulating Hot Water Systems:**

- [ ] | Insulate circulating hot water pipes to the levels in Table 1.

**Swimming Pools:**

- [ ] | All heated swimming pools must have an on/off heater switch and require a cover unless over 20% of the heating energy is from non-depletable sources. Pool pumps require a time clock.

**Heating and Cooling Piping Insulation:**

- [ ] | HVAC piping conveying fluids above 120 °F or chilled fluids below 55 °F must be insulated to the levels in Table 2.

Table 1: *Minimum Insulation Thickness for Circulating Hot Water Pipes.*

Heated Water Temperature ( F)	<u>Insulation Thickness in Inches by Pipe Sizes</u>			
	<u>Non-Circulating Runouts</u>		<u>Circulating Mains and Runouts</u>	
	<u>Up to 1"</u>	<u>Up to 1.25"</u>	<u>1.5" to 2.0"</u>	<u>Over 2"</u>
170-180	0.5	1.0	1.5	2.0
140-160	0.5	0.5	1.0	1.5
100-130	0.5	0.5	0.5	1.0

Table 2: *Minimum Insulation Thickness for HVAC Pipes.*

<u>Piping System Types</u>	Fluid Temp. Range ( F)	<u>Insulation Thickness in Inches by Pipe Sizes</u>			
		<u>2" Runouts</u>	<u>1" and Less</u>	<u>1.25" to 2"</u>	<u>2.5" to 4"</u>
<b>Heating Systems</b>					
Low Pressure/Temperature	201-250	1.0	1.5	1.5	2.0
Low Temperature	120-200	0.5	1.0	1.0	1.5
Steam Condensate (for feed water)	Any	1.0	1.0	1.5	2.0
<b>Cooling Systems</b>					
Chilled Water, Refrigerant, and Brine	40-55	0.5	0.5	0.75	1.0
	Below 40	1.0	1.0	1.5	1.5

**NOTES TO FIELD** (Building Department Use Only)

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