Appendix B

Technical Section

(Additional Professional Design Details are available in CAD format on CD ROM from ECO-Block. Please contact your local Distributor, Regional Sales Manager or the Corporate Office at 1-800-595-0820)
**ECO-Block® ICFs**

**Standard Blocks:**
- Packaged 6 blocks in **BLUE** bag
- Dimensions: 32.5x16.5x48 inches
- Weight: 36 lbs
- Volume: 14.9 ft³

**6-Inch Corner Block:**
- Packaged 6 blocks in a **GREEN** bag (three left/three right)
- Dimensions: 32x18.5x49 inches
- Weight: 28.5 lbs
- Volume: 16.7 ft³

**4-Inch Corner Block:**
- Packaged 6 blocks in **BLACK** bag (three left/three right)
- Dimensions: 32x18.5x49 inches
- Weight: 29 lbs
- Volume: 16.7 ft³

**8-Inch Corner Block:**
- Packaged 6 blocks in a **RED** bag (three left/three right)
- Dimensions: 32x18.5x49 inches
- Weight: 28 lbs
- Volume: 16.7 ft³

**Brick Ledge Panel:**
- Packaged 6 panels in a **YELLOW** bag
- Dimensions: 35x18x48 inches
- Weight: 23 lbs
- Volume: 17 ft³

**Brick Ledge Rail:**
- Package 50/box
- Dimensions: 48-inch tube
- Weight: 7.0 lbs

**4-Inch Connectors:**
- Packaged 1000 to a box (**BLACK** label)
- Dimensions: 22.75x15.5x10 inches
- Weight: approx. 35 lbs
- Volume: 2.04 ft³

**8-Inch Connectors:**
- Packaged 500 to a box (**RED** label)
- Dimensions: 22.75x15.5x10 inches
- Weight: approx. 35 lbs
- Volume: 2.04 ft³

**10-Inch Connectors:**
- Packaged 500 to a box (**PURPLE** label)
- Dimensions: 23x20x10 inches
- Weight: approx. 47.4 lbs
- Volume: 2.04 ft³

**Splice Connectors:**
- Packaged 1000 to a box (**ORANGE** label)
- Dimensions: 22.5x11.5x10 inches
- Weight: approx. 25 lbs
- Volume: 2.04 ft³

**1-Inch Extensions (Tie Anchor):**
- Packaged 500 to a box (**BLUE** label)
- Dimensions: 11.5x11.5x10 inches
- Weight: approx. 10.5 lbs
- Volume: 0.75 ft³

Note: All ECO-Block® ICFs are packaged in UV protective color-coded bags. These bags can safely be stored outside, however, it is recommended that the bags not be placed in direct contact with the ground.
ECO-Block Standard Expanded Polystyrene Form Using 6" Connectors

6" Reinforced Concrete Core

Horizontal Reinforcing Steel, Placed in Plastic Stirrups, Alternatively Inside and Outside of Wall as Specified

Interior Finish as Specified

Vertical Reinforcing Steel Placed in Between Horizontal Reinforcing Steel as Specified.

Parging Above Grade and Below Siding

Grade

Free Draining Backfill as Specified

Waterproof and Parge with Materials Compatible with Expanded Polystyrene (EPS) Install as per Manufacturer Specifications

Continous Strip Footing with Reinforcement as Specified

NOTE:
It is the responsibility of the designer/end user to verify that structures built with ECO-BLOCK have been designed, engineered, and constructed in accordance with all applicable building codes and regulations.

ECO-Block, LLC
Insulating Concrete Forms
"Saving America's Energy"
4100 N. Powerline Road
Building 1, Suite 1 & 2
Pompano Beach, FL 33073
954-766-2900 800-595-0820
WWW.ECO-BLOCK.COM

Typical Footing Detail 6" Forms

DATE: 5/22/2002
SCALE: 1" = 1'-0"
REVISION:
DRAWING NUMBER:
M-20-0002

Issue Date: April 2003
Release: I
ECO-Block, LLC

LEDGER BOARD CONNECTION
WD JOISTS PERP. TO WALL
MASSORY VENEER, 6" FORMS

NOTE:
IT IS THE RESPONSIBILITY OF THE
DESIGNER / END USER TO VERIFY THAT
STRUCTURES BUILT WITH ECO-BLOCK
HAVE BEEN DESIGNED, ENGINEERED, AND
CONSTRUCTED IN ACCORDANCE WITH ALL
APPLICABLE BUILDING CODES AND REGULATIONS

ECO-Block, LLC
INSULATING CONCRETE FORMS
"... SAVING AMERICA'S ENERGY™"
4100 N. POWERLINE ROAD
BUILDING 1, SUITE 1 & 2
POMPANO BEACH, FL 33073
954-766-2900  800-595-0820
WWW.ECO-BLOCK.COM

DATE: 5/23/2002
SCALE: 1" = 1'-0"
REVISION:
DRAWING NUMBER:
M-30-0011

Issue Date: April 2003
Release: I

5.23
ECO-BLOCK STANDARD EXPANDED POLYSTYRENE FORM USING 6" CONNECTORS

6" REINFORCED CONCRETE CORE

INTERIOR FINISH AS SPECIFIED

BLOCKING BETWEEN JOISTS TO SUPPORT SUBFLOOR

SUBFLOOR

WOOD JOISTS AS SPECIFIED

DOWELS AS SPECIFIED

ICF EMBEDDED HANGER INSTALL AS PER MANUFACTURER

HORIZONTAL REINFORCING STEEL PLACED IN PLASTIC STRIPS, ALTERNATIVELY INSIDE AND OUTSIDE OF WALL AS SPECIFIED

VERTICAL REINFORCING STEEL PLACED IN CENTER OF WALL BETWEEN HORIZONTAL REINFORCING STEEL AS SPECIFIED

NOTE:
IT IS THE RESPONSIBILITY OF THE DESIGNER / END USER TO VERIFY THAT STRUCTURES BUILT WITH ECO-BLOCK HAVE BEEN DESIGNED, ENGINEERED, AND CONSTRUCTED IN ACCORDANCE WITH ALL APPLICABLE BUILDING CODES AND REGULATIONS

ECO-Block, LLC
INSULATING CONCRETE FORMS
"...SAVING AMERICA'S ENERGY"
4100 N. POWERLINE ROAD
BUILDING I, SUITE 1 & 2
POMPANO BEACH, FL 33073
954-766-2900 800-595-0820
WWW.ECO-BLOCK.COM

EMBEDDED HANGER CONNECTION, LUMBER JOISTS PERP. TO WALL - 6" FORMS

DATE: 5/23/2002
SCALE: 1" = 1'-0"
REVISION:
DRAWING NUMBER:
M-30-0014
NOTE:
IT IS THE RESPONSIBILITY OF THE DESIGNER/END USER TO VERIFY THAT STRUCTURES BUILT WITH ECO-BLOCK HAVE BEEN DESIGNED, ENGINEERED, AND CONSTRUCTED IN ACCORDANCE WITH ALL APPLICABLE BUILDING CODES AND REGULATIONS.

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BUILDING I, SUITE 1 & 2
POMPANO BEACH, FL 33073
954-766-2900  800-595-0820
WWW.ECO-BLOCK.COM

SIMPSON STRONG TIE
FLOOR LEDGER SYSTEM
6" FORMS

DATE: 5/23/2002
SCALE: 1" = 1'-0"
REVISION:
DRAWING NUMBER:
M-30-0062
ECO-Block, LLC

INSULATING CONCRETE FORMS
"...SAVING AMERICA'S ENERGY™"

HAMBRO COMPOSITE FLOOR SYSTEM - EXT. BEARING WALL
MET. 2 CONN. - 6" FORMS

NOTE:
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DATE: 5/23/2002
SCALE: 1” = 1'-0"
REVISION:
DRAWING NUMBER:
M-40-0040

Issue Date: April 2003
Release: 1
INTERIOR FINISH
AS SPECIFIED
UNTEL REINFORCING
AS SPECIFIED
TIE ANCHOR PROVIDES ANCHOR
FOR ZIP TIES / TIE WIRE
6" ECO-BUCK FILLER
2 1/2" ECO-BUCK RAIL

ROD AND CAULK
AS SPECIFIED
GLAZING

ROD AND CAULK
AS SPECIFIED
BRICK VENEER

PLACING AND
BRICK TIES AS SPECIFIED

ECO-BLOCK STANDARD EXPANDED
POLYSTYRENE FORM USING 6" CONNECTORS

TIE ANCHOR PROVIDES ANCHOR
FOR ZIP TIES / TIE WIRE
6" PLASTIC CONNECTOR.

HORIZONTAL REINFORCING STEEL, PLACED IN PLASTIC STIRRUPS, ALTERNATIVELY INSIDE AND OUTSIDE OF WALL AS SPECIFIED.

VERTICAL REINFORCING STEEL PLACED IN BETWEEN HORIZONTAL REINFORCING STEEL AS SPECIFIED.

NOTE:
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ECO-Block, LLC
INSULATING CONCRETE FORMS
"... SAVING AMERICA'S ENERGY"
4160 N. POWERLINE ROAD
BUILDING 1, SUITE 1 & 2
POMPANO BEACH, FL 33073
954-765-2900 800-595-0820
WWW.ECO-BLOCK.COM

WIN. HEAD/SILL - ICF BUCK
MASONRY VENEER EXT.
6" FORMS

DATE: 5/23/2002
SCALE: 1" = 1'-0"
REVISION:
DRAWING NUMBER:
M-50-0007
NOTE:
IT IS THE RESPONSIBILITY OF THE DESIGNER / END USER TO VERIFY THAT STRUCTURES BUILT WITH ECO-BLOCK HAVE BEEN DESIGNED, ENGINEERED, AND CONSTRUCTED IN ACCORDANCE WITH ALL APPLICABLE BUILDING CODES AND REGULATIONS.

ECO-Block, LLC
INSULATING CONCRETE FORMS
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POMPANO BEACH, FL 33073
954-766-2900  800-595-0820
WWW.ECO-BLOCK.COM

ROOF RAFTER EAVE DETAIL
HURRICANE TIE DOWN
6" FORMS

DATE: 5/23/2002
SCALE: 1" = 1'-0"
REVISION:
DRAWING NUMBER:
M-60-0004
NOTE:
IT IS THE RESPONSIBILITY OF THE DESIGNER / END USER TO VERIFY THAT STRUCTURES BUILT WITH ECO-BLOCK HAVE BEEN DESIGNED, ENGINEERED, AND CONSTRUCTED IN ACCORDANCE WITH ALL APPLICABLE BUILDING CODES AND REGULATIONS

ECO-Block, LLC
INSULATING CONCRETE FORMS "... SAVING AMERICA'S ENERGY"
4100 N. POWERLINE ROAD
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POMPANO BEACH, FL 33073
954-766-2900 800-595-0820
WWW.ECO-BLOCK.COM

ATTACHMENT TO EXIST. CONCRETE WALL 6" FORMS

DATE: 5/22/2002
SCALE: 1" = 1'-0"
REVISION:
DRAWING NUMBER:
M-70-0002

Issue Date: April 2003
Release: I
**ECO-Block, LLC**

**ATTACHMENT TO EXIST. CONCRETE BLOCK WALL 6" FORMS**

**DATE:** 5/22/2002  
**SCALE:** 1" = 1'-0"  
**REVISION:**  
**DRAWING NUMBER:** M-70-0006

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**NOTE:**

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