HIGH EAVE SECTION: PERF. METAL/METAL SHINGLE SIP WALL TO BIPV ROOF

TYP. PERFORATED METAL WALL CONST.: (SEE 2, A5.02)
ACCESS HOLE

TYPICAL BARREL BOLT CONNECTION ASSEMBLY:
1 1/4" ALL THREAD WELDED TO S.C. W/
1 3/4" BARREL NUT WITH 1 1/4" ALL THREAD W/
1/2" NUT

24 GA. GALV. STEEL FLASHING TO MATCH SIDING

TYP. SHIPPING CONTAINER CEILING CONST.: SEE

CONNECTION: PERFORATED METAL SIP WALL TO SHIPPING CONTAINER ROOF

3" - 1'-0"

COMPRESSIBLE FOAM WEATHER STRIPPING
CLR. WD. BLOCKING, PTD., ALIGN TOP W/ T.O. PV FRAME
TYP. BIPV ROOF CONST.: (SEE 1, A5.02)

24 GA. GALV. STEEL FLASHING TO MATCH SIDING,
ALIGN B.O. FLASHING W/ B.O. RAKE FLASHING
TYP. PERFORATED METAL WALL CONST.: (SEE 1, A5.02)
**Compressible Foam Weather Stripping**

CLR. WD. BLOCKING, PTD.
ALIGN TOP W/ T.O. PV FRAME

24 GA. GALV. STEEL FLASHING TO MATCH SIDING,
ALIGN B.O. FLASHING W/ B.O. LOW EAVE FLASHING

**Typical BIPV Roof Construction:**
SUNPOWER SPR-215-BLK SOLAR PANEL ON
1 1/2" x 3 1/2" x 1/8" STEEL FRAME (SEE, M1.32) ON
2 X 4 NOM. LONGITUDINAL BATTENS W/
PVT ABSORBER ON
SINGLE PLY, FULLY ADHERED, MEMBRANE ROOFING ON
6 5/8" SIP CEILING PANEL:
1/2" G.W.B. INTERIOR WALL FINISH (LEVEL 5)

TYP. PERFORATED METAL OR
METAL SHINGLE WALL CONST.:
(SEE 2. A5.02 OR 3. A5.06)

**Rake Connection:** Perforated Metal or Metal Shingle SIP Wall to BIPV Roof

3" - 1'-0"

**Typical Perforated Metal Wall Construction:**
PERFORATED, 12 GA. GALVANIZED STEEL
(3/16" DIA., 5/16" STG. CTRS., 51% O.A.) SIDING OVER
SINGLE-PLY FULLY ADHERED MOISTURE BARRIER ON
6 5/8" SIP WALL PANEL:

ACCESS HOLE

TYP. BARREL BOLT CONNECTION ASSEMBLY:
SEE

BACKER ROD AND SEALANT

METAL "L" FLASHING TO MATCH
SIDING, BED IN SEALANT BEAD

TYP. SHIPPING CONTAINER ROOF CONST.:
SEE

**Sidewall Connection:** Perf. Metal/Metal Shingle SIP Wall to S.C. Roof

3" - 1'-0"
1. LOW EAVE SECTION: METAL SHINGLE SIP WALL TO BIPV ROOF

Typ. BIPV roof const.:
(See A6.02)
1 x 4 nom. wd. starter strip, ptd

24 ga. galv. steel flashing

Typ. metal shingle wall const.:
(See 3, A5.06)

2. SIDEWALL CONNECTION: METAL SHINGLE SIP WALL TO SHIPPING CONTAINER ROOF

Typ. metal shingle wall const.:
(See 3, A5.06)
Fry reglet “2” reveal molding, DRMZ-50-75
Access hole

1/2” x 5 1/2” h. cont. base/access hole cover

Typ. barrel bolt assembly
(See 2, A6.01)
24 ga. galv. steel flashing, lap into gutter
6” galv. steel. half round gutter

Typical shipping container roof construction:
Corrugated steel s.c. roof w/
5” closed cell polyurethane
Spray-foam insulation:
1/2” high density maple plywood
Ceiling panels, stained

3” - 1’-0”
1. **Rake Connection: Rainscreen SIP Wall to BIPV Roof**

   - **Typ. BIPV Roof Const.:**
     - See 1, A5.02
   - Compressible Foam Weather Stripping
   - CLR. WD. Blocking, PTD.
     - Align Top W/ T.O. PV Frame
   - 5/8" TH. Intermittent Blocking
   - 24 GA. Galv. Steel Flashing Align Bot. W/ B.O. Low Eave Flashing
   - 2 X 6 Nom. Trans. Battens, V-Notched @ 12" O.C. For Rainscreen Vent
   - **Typ. Rainscreen Wall Construction:**
     - See 1, A5.06

   - **3" - 1'-0"**

2. **Eave/Rake: Rainscreen SIP Wall to Low Slope SIP Roof**

   - **Typ. Low Slope Roof Const.:**
     - Single Ply, Fully Adhered, Membrane Roofing on Slip Sheet or Cover-Board As Req. On
     - 6 5/8" SIP Wall Panel:
     - 1/2" G.W.B. Interior Finish (Level 5)
   - 24 GA. Galv. Steel Eave Flashing
   - **Typ. Rainscreen Wall Const.:**
     - See 1, A5.06

   - 3" - 1'-0"
1. **LOW EAVE: RAINSCREEN SIP WALL TO BIPV ROOF**

   1 X 4 NOM. WD. STARTER STRIP, PDT
   PROVIDE WEEP KERF @ ALL LONG. ROOF BATTENS
   24 GA. GALV. STEEL FLASHING
   1/4" X 3/4" INTERMITTENT BLOCKING
   EA. SIDE FIBER-CEMENT CLADDING
   LAP ROOF MEMBRANE OVER MOISTURE BARRIER

   TYP. RAINSCREEN WALL CONST.:
   (SEE 1, A5.06)

   3" - 1'-0"

2. **SIDEWALL CONNECTION: METAL SHINGLE SIP WALL TO LOW-SLOPE SIP ROOF**

   TYP. METAL SHINGLE WALL CONST.:
   (SEE 3, A5.06)
   SHEET METAL CLEAT
   FLASHING PER ROOFING MANUF.
   TYP. LOW-SLOPE ROOF CONST.:
   (SEE A6.04)

   3" - 1'-0"
**Horizontal Section: Rainscreen SIP Wall Corner**

- **Typical Rainscreen Wall Construction:**
  - 3/8" Fiber-Cement rainscreen cladding on batten flashing as req., on 2x2 Nom. battens on 1" thick sub-batten on "Tyvek Thermalwrap" moisture barrier on 6 5/8" SIP wall panel.
  - 1/2" G.W.B. interior wall finish (Level 5)

- **Double layer Tyvek moisture barrier on corner, overlap 6"**

---

**Horizontal Connection: Rainscreen SIP Wall to Container**

- **Typical Shipping Container Wall Construction:**
  - Corrugated steel S.C. wall over 2 1/2" light gauge steel studs @ 16" O.C. w/ closed-cell polyurethane spray-foam insul.
  - 1/2" G.W.B. interior wall finish (Level 5)

- **Cellular EPDM "P" Gaskets, Typ.**

- **SOUTHCO Draw Latch:**
  - #1-11-502-50 to weld-on ring as req.

---

**Horizontal Section: Metal Shingle Siding Corner**

- **Typical Metal Shingle Wall Construction:**
  - 24 ga. galvanized steel shingle over "Tyvek Thermalwrap" moisture barrier on 6 5/8" SIP wall panel w/ 1/2" G.W.B. interior wall finish (Level 5)

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**Wall Details**

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**Drawn by: NJS**

**Date: August 7, 2007**

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**University of Colorado at Boulder**

**Civil, Environmental and Architectural Engineering**

**420 UCB, Room ECE 324 A**

**Boulder, CO 80309-0420**
1. **HORIZONTAL CONNECTION: STEEL SHINGLE SIP WALL TO RAINSSCREEN SIP WALL**

   3” – 1’-0”

   - TYP. RAINSSCREEN WALL CONST.: (SEE 1, A5.06)
   - METAL "L" FLASHING TO MATCH WALL SHINGLES
   - TYP. METAL SHINGLE WALL CONST.: (SEE 3, A5.06)

2. **HORIZONTAL CONNECTION: METAL SHINGLE SIDING TO RAINSSCREEN SIDING**

   3” – 1’-0”

   - TYP. RAINSSCREEN WALL CONST.: (SEE 1, A5.06)
   - METAL "Z" FLASHING TO MATCH WALL SHINGLES
   - TYP. METAL SHINGLE WALL CONST.: (SEE 3, A5.06)

3. **HORIZONTAL CONNECTION: METAL SHINGLE SIP WALL TO SHIPPING CONTAINER**

   3” – 1’-0”

   - TYP. SHIPPING CONTAINER WALL CONST.: (SEE 2, A5.06)
   - FRY REGLOT "Z" REVEAL MOLDING #DRM2-50-75
   - METAL "Z" FLASHING TO MATCH WALL SHINGLES
   - BLOCKING AS REQ.
   - TYP. CELLULAR EPDM "P" GASKETS
   - SOUTHCO DRAW LATCH #A1-11-502-50 to WELD ON RING AS REQ.
   - TYP. METAL SHINGLE WALL CONST.: (SEE 3, A5.06)
1. HORIZONTAL SECTION: PAPERSTONE SIP WALL (NORTH BEDROOM)

TYP. RAINFOREST WALL CONST.: (SEE 1, A5.06)

3" - 1'-0"

Wall Details

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University of Colorado at Boulder

2007 Solar Decathlon

NUES August 7, 2007

 revival Date

Boulder, CO 80303-0420
Office Window Head Detail

24 GA. GALV. STEEL FLASHING TO MATCH WALL SIDING

SELF-ADHERING MEMBRANE FLASHING TO BACK OF ROUGH OPENING, LAP UNDER MOISTURE BARRIER AND METAL HEAD FLASHING AND OVER JAMB FLASHING

HEAD WIDTH @ BEDROOM RAINSCREEN SIP WALL

1 1/2" SOLID WOOD HEAD JAMB, PTD

24 GA. GALV. STEEL HEAD FLASHING

GLASS ASSEMBLY: 3/8" GLAZING EA. SIDE, 3/4" XENON CORE, SET W/ GLAZING TAPE

FRYREGLET "Z" REVEAL MOLDING #DRMZ-50-75 FOR 3/4" REVEAL

3"X2" EXTRUDED ALUMINUM ANGLE TRIM/STOP

3" - 1'-0"

Office Window Jamb Detail

SELF-ADHERING MEMBRANE FLASHING TO BACK OF ROUGH OPENING, LAP UNDER HEAD FLASHING AND OVER MOISTURE BARRIER AND SILL FLASHING

BACKER ROD AND SEALANT

1 1/2" CLEAR WOOD SIDE JAMB, PTD

JAMB WIDTH @ BEDROOM RAINSCREEN SIP WALL

GLASS ASSEMBLY: 3/8" GLAZING EA. SIDE, 3/4" XENON GAS CORE SET W/ GLAZING TAPE

FRYREGLET "Z" REVEAL MOLDING #DRMZ-50-75 FOR 3/4" REVEAL

3"X2" EXTRUDED ALUMINUM ANGLE TRIM/STOP

3" - 1'-0"

Office Window Sill Detail

GLASS ASSEMBLY: 3/8" GLAZING EA. SIDE, 3/4" XENON GAS CORE SET W/ GLAZING TAPE

1 1/2" X 1 1/2" C.L.R. WD. SILL STOP, BEVELED TOP AND BOTTOM TO MATCH SILL SLOPE

1 1/2" SOLID WD. SILL, PTD.

SILL WIDTH @ BEDROOM RAINSCREEN SIP WALL

SELF-ADHERING MEMBRANE FLASHING TO BACK OF ROUGH OPENING, LAP UNDER JAMB FLASHING AND OVER MOISTURE BARRIER

FRYREGLET "Z" REVEAL MOLDING #DRMZ-50-75 FOR 3/4" REVEAL

3"X2" EXTRUDED ALUMINUM ANGLE TRIM/STOP

3" - 1'-0"
**SE CORNER JAMB DETAIL**

GLASS Assembly: 3/8”
Glazing Ea.
Send, 3/4” Xenon Gas Core,
SET W/ GLAZING TAPE

2" X 4" EXTENDED ALUMINUM ANGLE TRIM/STOP

SOLID WOOD BLOCKING

SOLID WOOD CORNER JAMB, PTD.

---

**SW CORNER JAMB DETAIL**

FIBERGLASS OUTSWING ENTRY DOOR ASSEMBLY

1 1/2” SOLID WOOD SIDE DOOR JAMB, PTD.

SOLID WOOD CORNER JAMB, PTD.

GLASS ASSEMBLY: 3/8” GLAZING EA. SIDE,
3/4” XENON CORE, SET W/ GLAZING TAPE

---

**SIP/Site Glazing Details**

2007 Solar Decathlon
University of Colorado at Boulder
DRL, Environmental and Architectural Engineering
620 UCB, Room 2226-441
Boulder, CO 80309-0428

Drawn by: [Signature]
Date: [Date]

Rev/Ed: [Signature]
Date: [Date]
1. **SW Window Head Detail**

- **3" x 1'-0"**

- **Fiberglass Tilt N Turn Window Assembly:**
  - 3/8" glazing ea. side, 3/4" xenon core, install per manuf.

- **1 1/2" Solid Wood Head Jamb, PTD.**

- **Self-Adhering Membrane Flashing to Back of Rough Opening, Lap Under Moisture Barrier and Metal Head Flashing and Over Jamb Flashing**

- **Fyreglet "Z" Reveal Molding #DRM7-50-75 for 3/4" Reveal**

2. **SW Window Jamb Detail**

- **3" x 1'-0"**

- **Fiberglass Tilt N Turn Window Assembly:**
  - 3/8" glazing ea. side, 3/4" xenon core, install per manuf.

- **1 1/2" Solid Wood Side Jamb, PTD.**

- **HSS3X1X.25 Louver Frame**

- **Self-Adhering Membrane Flashing to Back of Rough Opening, Lap Under Head Flashing and Over Moisture Barrier and Sill Flashing**

- **Fyreglet "Z" Reveal Molding #DRM7-50-75 for 3/4" Reveal**

3. **SW Window Sill Detail**

- **3" x 1'-0"**

- **Fiberglass Tilt N Turn Window Assembly:**
  - 3/8" glazing ea. side, 3/4" xenon core, install per manuf.

- **1 1/2" Solid Wood Sill, PTD.**

- **Self-Adhering Membrane Flashing to Back of Rough Opening, Lap Under Jamb Flashing and Over Moisture Barrier**

- **Fyreglet "Z" Reveal Molding #DRM7-50-75 for 3/4" Reveal**
Bedroom Window Head Detail

FIBERGLASS TILT N TURN WINDOW ASSEMBLY:
3/8" GLAZING EA. SIDE,
3/4" XENON CORE, INSTALL PER MANUF.

1X NOM. JOINED WINDOW JAMB, PTD

GASS ASSEMBLY:
3/8" GLAZING EA. SIDE, 3/4" XENON GAS CORE,
SET W/ GLAZING TAPE

2" ALUMINUM FLAT TRIM STOP

Bedroom Center Window Jamb Detail

FIBERGLASS TILT N TURN WINDOW ASSEMBLY:
3/8" GLAZING EA. SIDE,
3/4" XENON CORE, INSTALL PER MANUF.

1 1/2" SOLID WOOD SILL, PTD.

SELF- ADHERING MEMBRANE FLASHING TO BACK OF ROUGH OPENING, LAP UNDER JAMB FLASHING AND OVER MOISTURE BARRIER

FRIYREGLET "Z" REVEAL MOLDING #DRM2-50-75 FOR 3/4" REVEAL

Bedroom Window Sill Detail

FIBERGLASS TILT N TURN WINDOW ASSEMBLY:
3/8" GLAZING EA. SIDE,
3/4" XENON CORE, INSTALL PER MANUF.

1 1/2" SOLID WOOD SILL, PTD.

SELF- ADHERING MEMBRANE FLASHING TO BACK OF ROUGH OPENING, LAP UNDER JAMB FLASHING AND OVER MOISTURE BARRIER

FRIYREGLET "Z" REVEAL MOLDING #DRM2-50-75 FOR 3/4" REVEAL

3' x 3" EXTRUDED ALUMINUM ANGLE TRIM/STOP
Lower Clerestory Window Jamb Detail

1 1/2" SOLID WOOD SIDE JAMB, TYP.

SOLID WOOD TRIM

BLOCKING AS REQ

3" - 1'-0"

Operable Clerestory Details

2007 Solar Decathlon

University of Colorado at Boulder

CIVIL, ENVIRONMENTAL, AND ARCHITECTURAL ENGINEERING
490 UCB, Room 3200C, A41
Boulder, CO 80309-0420

Drawn by: [Name]
Date: [Date]

Reviewed by: [Name]
Date: [Date]
16 GA. GALV. STEEL JAMB LINER WELDED TO TUBE STEEL BUCK
1 1/2" SOLID WOOD HEAD JAMB
FIBERGLASS CASEMENT WINDOW, INSTALL PER MANUFACTURER

TYP. TRANSPORT PANEL CONSTRUCTION:
CORRUGATED STEEL PANEL (CUT FROM CONTAINER OPENING) ON
L3 1/2" X 3 X .25 FRAME W
HSS 2 1/2" X 1 1/2" X .25 CROSS BRACING
TO FIT CONTAINER W/
1/2" F.H. BOLTS COUNTERSUNK THRU
COMPRRESSIBLE GASKET & ACCESS HOLE
1/2" NUT WELDED TO FACE OF TUBE STEEL BUCK

16 GA. GALV. STEEL JAMB LINERS WELDED TO TUBE STEEL BUCK
1 1/2" SOLID WOOD SIDE JAMB, PTG

1 1/2" CLEAR WOOD SILL JAMB, PTG.
16 GA. GALV. STEEL SILL PAN, WELDED TO TUBE STEEL BUCK & JAMB LINERS

TYP. SHIPPING CONTAINER WALL CONST.
(SEE 1, A5.22)
1. WINDOW HEAD @ LOFT CLERESTORY

- Self-adhesive membrane flashing, wrap to back of R.O., lap under moisture barrier & head flashing
- Typical metal shingle, wall const.: see (3, A5.06)
- Metal head flashing to match metal wall shingles
- 1 1/2" th. solid wood head jamb, ptd.
- Fry reglet "Z" reveal molding # DRMZ-50-75

3" = 1'-0"

2. JAMB DETAIL @ LOFT CLERESTORY

- Self-adhesive membrane flashing, wrap to back of R.O., lap under moisture barrier & over sill flashing
- Typical metal shingle, wall const.: (see 3, A5.06)
- 1/2" G.W.B.
- Fry reglet "Z" reveal molding # DRMZ-50-75
- 1 1/2" th. solid wood head jamb, ptd.

3" = 1'-0"

3. WINDOW SILL @ LOFT CLERESTORY

- Self-adhesive membrane flashing, wrap to back of R.O., lap over moisture barrier & under jamb flashing
- Typical metal shingle, wall const.: (see 3, A5.06)
- 11 3/8"
- 1/2"
- 1/2" G.W.B.
- Solid wood sill, pitch top 1:12 to drain
- Fry reglet "Z" reveal molding # DRMZ-50-75
- 3 1/2"

3" = 1'-0"
MECHANICAL SOFFIT CONSTRUCTION:
LIGHT-GAUGE STEEL-FRAMED
SOFFIT W/
3/4" FLAT-GRAIN, 3-PLY VERTICAL CROSS CORE BAMBOO PLYWOOD, STAIN FINISH,
LOW-VOC TYP. FLUSH FACE

TO. FLUSH, FULL-OVERLAY
DOOR/DRAWER FRONT CONSTRUCTION:
3/4" FLAT-GRAIN, 3-PLY VERTICAL CROSS CORE BAMBOO PLYWOOD, STAIN
FINISH, LOW-VOC TYP. W/
HAFFEL ZINC NICKEL-PLATED FLUSH HANDLE #151.09.609

ADJUSTABLE SHELF

LOWER CASE CONSTRUCTION AT LAUNDRY
CLOSET:
FRAMELESS, BOTTOMLESS, 3/4" FORMALDEHYDE-FREE MDF CARCASE,
PAINT FINISH (LOW VOC TYP.) W/
3/4" FORMALDEHYDE-FREE MDF BACK, PAINT
FINISH

KITCHEN SECTION A-A
1 1/2" = 1'-0"
11" 
1"

MECHANICAL SOFFIT CONSTRUCTION:
LIGHT-GAUGE STEEL-FRAMED
SOFFIT W/ 
3/4" STRAND VENEER, 3-PLY VERTICAL CROSS CORE BAMBOO PLYWOOD,
STAIN FINISH, LOW-VOC TYP.
FLUSH FACE

BUILT-IN KITCHENAID ARCHITECT SERIES
REFRIGERATOR W/ 
3/4" STRAND VENEER, 3-PLY VERTICAL CROSS CORE BAMBOO
PLYWOOD CUSTOM FRONT PANEL, STAIN FINISH, LOW-VOC
TYP. W/
HAFELE ZINC NICKEL-PLATED FLUSH HANDLE #151.09.609

T.O. FINISH FLOOR
0'-0"

KITCHEN SECTION G-G
1 1/2" = 1'-0"
1/2" BIRCH PLYWOOD CEILING PANEL, HUNG FROM CEILING
CEILING-MOUNTED SLIDER TRACK, BY HAFELE (SET: 940.81.000)
TOP-HUNG SLIDER MOUNTING BRACKETS, BY HAFELE (SET: 940.81.000)
1" THICK J-FORM ECORESIN SLIDER DOOR W/ NOTCHES ROUTED TO ACCEPT BRACKETS

FAT WALL CONSTRUCTION: VERTICALLY-INSTALLED SPEEDRAIL, MOUNTING RACK FOR ELECTRICAL COMPONENTS W/
(2) 1/4" STRAND VENEER, 3-PLY VERTICAL CROSS CORE BAMBOO PLYWOOD, STAIN FINISH, (LOW-VOG TYP.) DOUBLE SIDE PANEL AND
1/2" J-FORM ECORESIN BACK PANEL, MOUNTED WITH ORNAMENTAL SCREWS, AND COMBINATION SWING/TOP-HUNG SLIDER J-FORM DOOR ASSEMBLY ON FRONT

1.5" C-CHANNEL PULL HANDLE FOR SWING DOOR
SLIDER GUIDES, BY HAFELE (405.46.910)

Fat Wall Section AT DOOR
1 1/2" = 1'-0"
1/2" BIRCH PLYWOOD CEILING PANEL, HUNG FROM CEILING

CEILING-MOUNTED SLIDER TRACK, BY HAFLIE (SET: 940.81.000)

TOP-HUNG SLIDER MOUNTING BRACKETS, BY HAFLIE (SET: 940.81.000)

1" JFORM ECORESION SLIDER DOOR W/ NOTCHES ROUTED TO ACCEPT BRACKETS

5/8" JFORM ECORESION PANEL

FAT WALL CONSTRUCTION:
VERTICALLY-INSTALLED SPEEDRAIL MOUNTING RACK FOR ELECTRICAL COMPONENTS W/ (2) 1/4" STRAND VENEER 3-PLY VERTICAL CROSS CONE (BAMBOO PLYWOOD, STAIN FINISH, (LOW-VOC TP.), DOUBLE SIDE PANEL AND

5/8" JFORM ECORESION BACK PANEL, MOUNTED WITH ORNAMENTAL SCREWS, AND COMBINATION SWING/TOP-HUNG SLIDER JFORM DOOR ASSEMBLY ON FRONT

FAT WALL SECTION AT ELECTRICAL ENCLOSURE

1 1/2" = 1'-0"
NEOPRENE WEATHER-STRIPPING
SLIDER DOOR HANDLE, BY HAFELE
1" JFORM ECORESIN TOP-HUNG SLIDER DOOR
SLIDER GUIDES, BY HAFELE (405.46.910)
1"X1.5"X1/8" C-CHANNEL DOOR PULL

EAT WALL CONSTRUCTION:
VERTICALLY INSTALLED SPEEDRAIL
MOUNTING RACK FOR ELECTRICAL
COMPONENTS W/
(2) 1/4" STRAND VENEER, 3-PLY VERTICAL,
CROSS CORE BAMBOO PLYWOOD,
STAIN FINISH, (LOW-VOC TYP.)
DOUBLE SIDE PANEL AND
1/4" JFORM ECORESIN BACK PANEL,
MOUNTED WITH ORNAMENTAL
SCREWS, AND
COMBINATION SWING/TOP-HUNG SLIDER
JFORM DOOR ASSEMBLY ON FRONT

1/4" JFORM ECORESIN SWING DOOR,
CLEAR FOSSIL LEAF PATTERN

GLASS TO GLASS DOOR HINGES, BY
LAURENCE

1/4" JFORM ECORESIN FIXED PANEL,
CLEAR FOSSIL LEAF PATTERN

1/2" STAINLESS STEEL CHANNEL SUPPORT
FIXED PANEL

FAT WALL PLAN DETAIL
1 1/2" = 1'-0"

A6.11
BEDROOM CASEWORK CONSTRUCTION:
\( \frac{1}{4} \)" STRAND VENEER, 3-PLY VERTICAL CROSS-CORE BAMBOO PLYWOOD, STAIN FINISH, (LOW-VOC TYP.)
BOTTOM, TOP, BACK AND SIDE PANELS W/ 1X4 NOMINAL BACK PANELS BOLTED THROUGH S.C. CORRUGATION

PERPENDICULAR MOUNTED CLOSET ROD, BY HAFELE (805.12.456)

TYP. FLUSH, INSET DOOR CONSTRUCTION:
\( \frac{1}{2} \)" STRAND VENEER, 3-PLY VERTICAL CROSS-CORE BAMBOO PLYWOOD, STAIN FINISH, LOW-VOC TYP. W/ HAFELE ZINC NICKEL-PLATED FLUSH HANDLE #151.09.609

BEDROOM SECTION THROUGH CLOSET
1 1/2" = 1'-0"

Bedroom Closet Section

University of Colorado at Boulder

2007 Solar Decathlon
BAMBOO SIDE PANEL, BOLTED THROUGH SHIPPING CONTAINER CORRUGATION

OPEN TO SHIPPING CONTAINER WALL

CLOSET CONSTRUCTION AT OFFICE:
1/2" STRAND VENEER 3-PLY CROSS-CORE BAMBOO PLYWOOD, STAIN FINISH, (LOW-VOC TYP.) TOP, BOTTOM, AND SIDE PANELS W/ OPEN NORTH SIDE BELOW SHELF AND BOLTED CONNECTION TO SHIPPING CONTAINER

1/2" CONDUIT, ROUTED THROUGH INSULATED WALL FROM KAT WALL TO CLOSET, MOUNTED BEHIND CLOSET BACK

SECTION THROUGH S.C. WALL

1 1/2" = 1'-0"

A6.13

Office Closet Section

2007 Solar Decathlon

University of Colorado at Boulder

G&M Environmental and Architectural Engineering

492 UCB, Room ECCE 441

Boulder, CO 80309-0420

Drawn by

A. Price

August 7, 2007

Revised

Date

2007-08-07
CLOSET CONSTRUCTION AT OFFICE:
1/4" STRAND VENEER, 3-PLY CROSS-CORE BAMBOO PLYWOOD, STAIN FINISH, (LOW-VOC TYP.)
TOP, BOTTOM, AND SIDE PANELS W/ OPEN NORTH SIDE BELOW SHELF AND BOLTED CONNECTION TO SHIPPING CONTAINER

VERTICAL DOOR STOP, SCRIBED TO CORRUGATION ON SITE

3 5/8"

1/2" CONDUIT MOUNTED TO WALL BEHIND BAMBOO CLOSET BACK

3/4"

TYP. FLUSH, FULL-OVERLAY DRAWER
FRONT CONSTRUCTION:
1/4" STRAND VENEER, 3-PLY VERTICAL CROSS CORE BAMBOO PLYWOOD, STAIN FINISH, LOW-VOC TYP. W/ HAFELE ZINC NICKEL-PLATED FLUSH HANDLE #151.09.609 AND HAFELE CUP HINGES

SECTION AT CLOSET

1 1/2" = 1'-0"

A6.14

Office Closet Section

2007 Solar Decathlon

University of Colorado at Boulder

G. M. Environmental and Architectural Engineering

484 UCB, Room ECSE 441

Boulder, CO 80302-0428

Drawn by

A. Rule

August 7, 2007

Amended

Date

Date
SECTION AT OFFICE DESK

TOP SHELF ASSEMBLY CONSTRUCTION:
\(\frac{3}{4}''\) STRAND VENEER, 3-PLY VERTICAL CROSS CORE BAMBOO PLYWOOD, STAIN FINISH, LOW-VOC TYP. SHELVES,
HUNG FROM CEILING BY (2) \(\frac{5}{16}''\) ALL-THREAD LENGTHS, BOLTED TO BOTTOM OF SHELF

DESK CONSTRUCTION:
\(\frac{3}{4}''\) STRAND VENEER, 3-PLY VERTICAL CROSS CORE BAMBOO PLYWOOD, STAIN FINISH, LOW-VOC TYP. W/
(2) \(\frac{3}{4}''\) 3-PLY VERTICAL CROSS CORE BAMBOO PLYWOOD STIFFENERS AND 3'' X \(\frac{3}{4}''\) BUILT-IN WIRING TRAY FLAP, HINGED TO DESK

BOTTOM SHELF ASSEMBLY CONSTRUCTION:
\(\frac{3}{4}''\) FLAT-GRAIN, 3-PLY VERTICAL CROSS CORE, BAMBOO PLYWOOD, STAIN FINISH, LOW-VOC TYP. SHELVES,
MOUNTED WITH \(\frac{5}{16}''\) STAINLESS STEEL PIPING, SET ON \(\frac{1}{8}''\) SET SCREWS
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Note: All door and window handing is from outside view.
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