LAYOUT TYPE 1A & B
KAY HOUSE - ONE STORY
ELEVATIONS
SCALE: 1:50

FRONT ELEVATION

REAR ELEVATION

PROJECT / PROJET
POST - EARTHQUAKE HOUSING RECONSTRUCTION TECHNICAL ASSISTANCE PROGRAM, HAITI

WORK / TRAVAIL
ONE AND TWO STORY TIMBER FRAME

LOCATION / EMPLACEMENT
HAITI

DRAWING TITLE / TITRE DU DESIGN
ELEVATIONS
LAYOUT TYPE 1A & B
ONE STORY

DRAWN BY / CONÇUE PAR
RMS

CHECKED BY / VÉRIFIE PAR
LAW

DATE / DATE
FEB 2011
RIGHT SIDE ELEVATION

LAYOUT 1A, & E
KAY HOUSE - SINGLE STORY
ELEVATION

SCALE: 1:50

LEFT SIDE ELEVATION

LAYOUT TYPE 1A, C, D, E
KAY HOUSE - ONE STORY
ELEVATION

SCALE: 1:50
LAYOUT TYPE 1A & B
KAY HOUSE - TWO STORY ELEVATIONS
SCALE: 1:50
LAYOUT TYPE 1A & E
KAY HOUSE - TWO STORY
ELEVATION
SCALE: 1:50
LAYOUT TYPE 1D
KAY HOUSE
FOUNDATION PLAN

SCALE: 1:50

CAST IN PLACE CONCRETE SLAB ON GRADE

0.5MX0.5M POST FOOTING

BRACED WALL PANEL ABOVE

BRACED WALL PANEL ABOVE

OPTION 1: COMPACTED EARTH FLOOR

OPTION 2: CONCRETE FLOOR ON GROUND

OPTION 3: WOOD FLOOR: (2) 2X4 OR (1) 2X6 AT 0.30 M. O.C. MAX. TYP.

SEE S4.1 FOR FLOOR OPTIONS

0.5M STRIP FOOTING, TYP.

HAITI
LAYOUT TYPE 1B
KAY HOUSE
SECOND FLOOR FRAMING PLAN
SCALE: 1:50

LAYOUT TYPE 1A
KAY HOUSE
SECOND FLOOR FRAMING PLAN
SCALE: 1:50

(2) 2X4 POST

(2) 2X4 OR (1) 2X6 AT 0.30 M O.C. MAX. TYP.

BRACED WALL PANEL

(2) 2X4 POST
(2) 2X4 OR (1) 2X6 AT 0.30 M O.C. MAX. TYP.

BRACED WALL PANEL

(2) 2X4 POST

LAYOUT TYPE 1D
KAY HOUSE
SECOND FLOOR FRAMING PLAN

SCALE : 1:50

LAYOUT TYPE 1C
KAY HOUSE
SECOND FLOOR FRAMING PLAN

SCALE : 1:50
LAYOUT TYPE 1E
KAY HOUSE
SECOND FLOOR FRAMING PLAN
SCALE: 1:50

(2) 2X4 OR (1) 2X6 AT 0.30 M O.C. MAX. TYP.

BRACED WALL PANEL

(2) 2X4 POST
LAYOUT TYPE 1B
KAY HOUSE
ALTERNATE ROOF FRAMING
SCALE: 1:50

BUILT UP BEAM

TRUSS TYPE 1
AT 1.5M O.C.

2X4 PURLINS
AT 0.33M O.C.
ALONG SLOPE

(2) 2X4 AT
0.30M O.C.
PORCH RAFTERS

LAYOUT TYPE 1A
KAY HOUSE
ALTERNATE ROOF FRAMING
SCALE: 1:50

BUILT UP BEAM

(2) 2X4 AT
0.30M O.C.
PORCH RAFTERS

TRUSS TYPE 1
AT 1.5M O.C.

2X4 PURLINS
AT 0.33M O.C.
ALONG SLOPE
TRUSS TYPE 1 AT 1.5M O.C.

2X4 PURLINS AT 0.33M O.C. ALONG SLOPE

BUILT UP BEAM

(2) 2X4 AT 0.30M O.C. PORCH RAFTERS

LAYOUT TYPE 1C
KAY HOUSE
ALTERNATE ROOF FRAMING

SCALE: 1:50
Layout Type 1D
Kay House
Alternate Roof Framing
LAYOUT TYPE 1E KAY HOUSE ROOF FRAMING

SCALE: 1:50
TRUSS TYPE 2
AT 1.5M O.C.

2X4 PURLINS
AT 0.33M O.C.
ALONG SLOPE

(2) 2X4 AT
0.30M O.C.
PORCH RAFTERS

LAYOUT TYPE 1E
KAY HOUSE
ALTERNATE ROOF FRAMING

SCALE: 1:50

BUILT UP BEAM
LAYOUT TYPE 2B
CREOLE HOUSE
FLOOR PLAN
SCALE: 1:50

LAYOUT TYPE 2A
CREOLE HOUSE
FLOOR PLAN
SCALE: 1:50

PORCH

0.9 M

3.0 M

3.0 M

2.0 M

1.0 M

0.9 M

1.5 M

3.0 M

3.0 M

1.5 M

3.0 M

3.0 M

0.9 M

PORCH
LAYOUT TYPE 2B
CREOLE HOUSE - ONE STORY
ELEVATIONS

SCALE: 1:50

LEFT SIDE ELEVATION

0.8 M

2.1 M

1.1 M

0.5 M

RIGHT SIDE ELEVATION

0.8 M

2.1 M

1.1 M

0.5 M

PROJECT / PROJET
POST - EARTHQUAKE HOUSING RECONSTRUCTION TECHNICAL ASSISTANCE PROGRAM, HAITI

WORK / TRAVAIL
ONE AND TWO STORY TIMBER FRAME

LOCATION / EMPLACEMENT
HAITI

DRAWING TITLE / TITRE DU DESIGN
ELEVATIONS LAYOUT TYPE 2B ONE STORY

SOLARIS "C" STUDIO A2.3

DRAWN BY / REALISÉ PAR:

SOLARIS "C" STUDIO

DRAWN BY / REALISÉ PAR:

SOLARIS "C" STUDIO

CHECKED BY / VÉRIFIÉ PAR:

SOLARIS "C" STUDIO

FEB 2011
LAYOUT TYPE 2A & B
CREOLE HOUSE - TWO STORY ELEVATIONS
SCALE : 1:50
LAYOUT TYPE 2A
CREOLE HOUSE - TWO STORY
ELEVATIONS

SCALE: 1:50
LAYOUT TYPE 2B
CREOLE HOUSE - TWO STORY
ELEVATIONS

SCALE: 1:50
LAYOUT TYPE 2A
CREOLE HOUSE FOUNDATION PLAN
SCALE: 1:50

LAYOUT TYPE 2B
CREOLE HOUSE FOUNDATION PLAN
SCALE: 1:50
LAYOUT TYPE 2B
CREOLE HOUSE
SECOND FLOOR
FRAMING PLAN

SCALE: 1:50

(2) 2X4 OR
(1) 2X6
AT 0.30M O.C.
MAX. TYP.

BRACED
WALL
PANEL

(2) 2X4
POST

LAYOUT TYPE 2A
CREOLE HOUSE
SECOND FLOOR
FRAMING PLAN

SCALE: 1:50

(2) 2X4 OR
(1) 2X6 AT
0.30M O.C.
MAX. TYP.

BRACED
WALL
PANEL

(2) 2X4
POST
TRUSS TYPE 2 AT 0.5M O.C.

TRUSS TYPE 2 AT 0.5M O.C.

2X4 PORCH RAFTERS AT 0.3M O.C.

BUILT UP BEAM

2X4 PORCH RAFTERS AT 0.3M O.C.

BUILT UP BEAM

LAYOUT TYPE 2A CREEOLE HOUSE ROOF FRAMING PLAN

SCALE: 1:50

LAYOUT TYPE 2B CREEOLE HOUSE ROOF FRAMING PLAN

SCALE: 1:50
LAYOUT TYPE 2A
CREOLE HOUSE
ALTERNATE ROOF FRAMING PLAN
SCALE: 1:50

LAYOUT TYPE 2B
CREOLE HOUSE
ALTERNATE ROOF FRAMING PLAN
SCALE: 1:50

TRUSS TYPE 2
AT 1.5M O.C.

2X4 PURLINS AT 0.33M O.C. ALONG SLOPE

(2) 2X4 PORCH RAFTERS AT 0.3M O.C.

BUILT UP BEAM

2X4 PURLINS AT 0.33M O.C. ALONG SLOPE

(2) 2X4 PORCH RAFTERS AT 0.3M O.C.
LAYOUT TYPE 3
OPEN CORNER
FLOOR PLAN

SCALE: 1:50

HAITI

PROJECT / PROJET
POST - EARTHQUAKE HOUSING RECONSTRUCTION TECHNICAL ASSISTANCE PROGRAM, HAITI

WORK / TRAVAIL
ONE AND TWO STORY TIMBER FRAME

LOCATION / EMPLACEMENT
HAITI

DRAWING TITLE / TIRE DU DESIGN
FLOOR PLAN LAYOUT TYPE 3

DRAWN BY / DRAIT EN
RMS

CHECKED BY / VERIFIE PAR
LAW

DATE / DATE
FEB 2011

USAID ECAF

BUILD CHANGE
USA Headquarters
1111 19th St. N.W., Suite 321
Denver, CO 80202
TEL: (303) 862-2503

STRUCTURAL ENGINEER / INGÉNIEUR STRUCTURE
SAVY
33 ACADEMY AVENUE
COOPERSTOWN, NEW YORK 13326
TEL: 315 544 3205
LAYOUT TYPE 3
OPEN CORNER - ONE STORY
GABLE ROOF ELEVATIONS

SCALE: 1:50

HAITI

ONE AND TWO STORY TIMBER FRAME

LOCATION: HAITI

PROJECT: POST - EARTHQUAKE HOUSING RECONSTRUCTION TECHNICAL ASSISTANCE PROGRAM, HAITI

BUILD CHANGE
USA HEADQUARTERS
1111 19TH STREET, NW, SUITE 321
DENVER, CO 80202.
TEL: 303-292-0553

WORK: TRAVAIL

DRAWING TITLE: LAYOUT TYPE 3 ONE STORY ELEVATIONS - GABLE ROOF

DRAWN BY: LAW
CHECKED BY: LAW
APPROVED BY: Law
DATE: FEB 2011
SCALE: 1:50
LAYOUT TYPE 3
OPEN CORNER - ONE STORY
SHED ROOF ELEVATIONS

SCALE: 1:50
LAYOUT TYPE 3 - OPEN CORNER FOUNDATION PLAN

SCALE: 1:50

OPTION 1: COMPACTED EARTH FLOOR

OPTION 2: CONCRETE FLOOR ON GROUND

OPTION 3:
WOOD FLOOR: (2) 2X4 OR (1) 2X6 AT 0.30 M. O.C. MAX. TYP.

SEE S4.1 FOR FLOOR OPTIONS

BRACED WALL PANEL ABOVE - MIN. 6M EACH DIRECTION

CAST IN PLACE CONCRETE SLAB ON GRADE

0.5M STRIP FOOTING, TYP.

3.0 M

4.0 M

2.0 M

0.5MX0.5M POST FOOTING
LAYOUT TYPE 3 - GABLE
OPEN CORNER
ROOF FRAMING PLAN

SCALE: 1:50

TRUSS TYPE 2
AT 0.5M O.C.

BUILT-UP BEAM
LAYOUT TYPE 3 - GABLE
OPEN CORNER
ALTERNATE ROOF FRAMING PLAN

SCALE: 1:50

TRUSS TYPE 2
AT 1.5M O.C.

2X4 PURLINS
AT 0.33M O.C.
ALONG SLOPE

BUILT-UP BEAM
LAYOUT TYPE 3 - SHED
OPEN CORNER
ROOF FRAMING PLAN

SCALE: 1:50

ROOF TRUSS AT 0.5M O.C.

BUILT-UP BEAM
KAY HOUSE - TWO STORY - BUILDING SECTION

SCALE: 1:50
2X4 STUDS AT 0.5M O.C. MAX

2X4 DOUBLE TOP PLATE

2X4 STUDS AT 0.5M O.C. MAX

3/4" PLYWOOD OR 1X12 DECKING

(2) 2X4 FLOOR JOISTS AT 0.3M O.C.

A - FLOOR DETAIL
SCALE: 1:10

WOOD DECK NAILING:
PLYWOOD: 10d AT 8" O.C., EDGES AND BOUNDARIES; 12" O.C. TO 2X4 JOISTS, 1X12: (2) 10d TO EACH 2X4 JOIST.

2X4 STUDS AT 0.5M O.C. MAX

2X4 BLOCKING

2X4 DOUBLE TOP PLATE

2X4 STUDS AT 0.5M O.C. MAX

3/4" PLYWOOD OR 1X12 DECKING

(2) 2X4 FLOOR JOISTS AT 0.3M O.C.

B - FLOOR DETAIL
SCALE: 1:10

FLOOR DETAILS

2X4 STUDS

2X4 STUDS

INTERSECTION DETAIL
SCALE: 1:10

C - S5.3

CORNER DETAIL
SCALE: 1:10

D - S5.3

STUD WALL DETAILS

S5.3

S5.3

S5.3

S5.3

S5.3

S5.3
TRUSS BRACING DETAIL

SCALE: 1:10

2X4 TOP CHORD BRACING
2X4 TRUSS TOP CHORD
2X4 TRUSS BOTTOM CHORD
2X4 HORIZ. WIND BRACING
2X4 STUD WALL
2X4 DIAGONAL BRACING

TYPICAL TRUSS BRACING

SCALE: 1:20
(REPEAT PATTERN FOR EACH 3M SECTION)

2X4 HORIZONTAL WIND BRACING - SEE BRACING LAYOUT FOR LOCATION
2X4 HORIZ. AT TOP AND BOTTOM CHORDS

WIND BRACE CORNER CONNECTION

SCALE: 1:10

1X12 GUSSET OR ½" PLYWOOD
(11) 10d NAILS

2X4 HORIZONTAL WIND BRACING

WALL TOP PLATE
TRUSS 2 CHORD CONNECTION

1x12 GUSSET PLATE OR 2" PLYWOOD EACH SIDE. CUT TO SLOPE

(6) 10d NAILS EACH SIDE, STAGGER

2x4 TRUSS BOTTOM CHORD

(5) 10d NAILS EACH SIDE, STAGGER

TRUSS 1 CHORD CONNECTION

1x8 GUSSET PLATE EACH SIDE

(3) 10d NAILS EACH SIDE, STAGGER

2x4 TRUSS BOTTOM CHORD

TRUSS 1 DETAIL

2x4 TOP CHORD BRACING

(2) 10d NAILS TOP AND BOTTOM TYP., OPP. SIDE

2x4 TRUSS TOP CHORD

2x4 VERTICAL

(2) 10d NAILS

2x4 BOTTOM CHORD BRACING

2x4 DIAGONAL

(4) 10d NAILS TOP AND BOTTOM TYP.

2x4 TRUSS BOTTOM CHORD

TRUSS DETAILS

SCALE : 1:10
2X4 PORCH RAFTERS

2X4 CONTINUOUS CUT TO FIT

BUILT UP BEAM

8d NAILS AT 50 MM O.C.
EACH SIDE, STAGGER

(2) 8d NAILS

(2) 2X4 POST

(4) STRANDS 12 GAGE STEEL WIRE - WRAP AROUND RAFTER AND BEAM 5 TURNS AND TERMINATE WITH CONSTRUCTOR KNOT OR USE "SIMPSON" H3 HURRICANE TIE AS ALTERNATE

PORCH / BALCONY ROOF DETAIL

SCALE : 1:10

(2) 10d COMMON NAILS EACH STUD

2X4 BALCONY JOISTS

2X4 LEDGER

2X4 PORCH/BALCONY RAFTERS

(2) 8d NAILS

2X4 FLOOR JOISTS

(2) 6d AT 0.3M O.C.
STAGGER

2X4 DOUBLE TOP PLATE

2X4 LEDGER

2X4 STUD WALL

BALCONY BEAM / POST DETAIL

SCALE : 1:10

(2) 2X4 POST

2X4 BALCONY JOISTS

(5) 10d COMMON NAILS EACH SIDE, STAGGER

1X12 SIDES OF BILT-UP BEAM

SECTION A

BALCONY / PORCH DETAIL

SCALE : 1:10

2X4 LEDGER

2X4 BALCONY JOISTS

(2) 8d NAILS

2X4 PORCH/BALCONY RAFTERS

(2) 8d NAILS

2X4 LEDGER

BUILT UP BEAM DETAIL

SCALE : 1:10

2X4 POST

1X12

2X4

10d COMMON NAILS AT 50 MM O.C. EACH SIDE, STAGGER

DECKING

2X4 BALCONY JOISTS

2X4 BLOCKING BETWEEN JOISTS

BUILT - UP BEAM

A

A

HAITI

PROJECT / PROJET
POST - EARTHQUAKE HOUSING RECONSTRUCTION TECHNICAL ASSISTANCE PROGRAM, HAITI

LOCATION / EMPLACEMENT

HAITI

STRUCTURAL ENGINEER / INGENIEUR STRUCTURE

Savvy STRUCTURAL ENGINEERS

30 ACADEMY AVENUE
CORNWALL-ON-HUDSON
NEW YORK 12520
TEL. 845 534 3205

DRAWING TITLE / TRE DU DESIGN

PORCH DETAILS

DRAWN BY: LAURIE PR
CHECKED BY: DONALD ELNANN
Date/Scale: FEB 2011 1:10

S6.5
STAIR DETAILS
SCALE: 1:20