ELEVATION-LEFT SIDE

RIDGE VENT
PHOTOVOLTAIC PANEL
CORRUGATED STEEL ROOFING
GUTTER AND DOWNSPOUT TO CISTERN

LIME PLASTER FINISH ON CLAY BASE PLASTER
SOIL CEMENT PLASTER
GALRI
ELEVATION-REAR

- RIDGE VENT
- LOUVERED GABLE VENT
- CORRUGATED STEEL ROOFING
- BAMBOO ROOF TRUSS AND PURLIN
- JALOUSIE WINDOW
- GUTTER AND DOWNSPOUT TO CISTERNS
RD. BAMBOO SUPPORTS (FULL LENGTH OF WALL AND GRADE BEAM)
@ 2' O.C. EA. SIDE OF BALE W/ POLY-TWINE THRU-TIES EVERY OTHER COURSE. EMBED SUPPORTS IN PLASTER
3' RD. BAMBOO PURLIN @ 2' O.C. BLOCKING-OUTSIDE ONLY
3' RD. BAMBOO-TRUSS
2' GEOTEXTILE NETTING OVERLAP BOTH SIDES

Load-Bearing Wall Section

QUEEN/KING POST TRUSS - T.B.D.
12"X12"X24" TWO-STRING RICE BALE - FLAT CLAY/SAND/TOPCOAT. SEAL WITH AVOCADO OIL
3" RD. BAMBOO 1" RD. BAMBOO
3" RD. BAMBOO
2X4 LADDER BETWEEN TOP PLATES- 3' O.C.
(To correspond w/ Truss.) Attach top and bottom with mending plates
CLAY/SAND/CEMENT PLASTER 1 1/2" THK;
2X4 TOP PLATES (2) ROWS OF 1" ROOFING NAILS TO SECURE GEOTEXTILE
5" RD. BAMBOO-TRUSS
3' OF STRAW-LIGHT CLAY INSULATION

1'-6" T.O.W.; 1'-6"X .026" POLY-HAND STRAPPING (750 LB BREAK STRENGTH)
Under grade beam/over top plate cont. @ 4' O.C.
Tension to compress wall

3" MINUS COMPACTED URBANITE RUBBLE BASE DEPTH T.B.D
SOIL CEMENT- 2" DEPTH (2) LAYERS
W/ GEOTEXTILE NETTING BETWEEN
3" MINUS COMPACTED URBANITE RUBBLE BASE DEPTH T.B.D
UNDISTURBED EARTH

Gutters-Rain Harvesting System

Clay/Soil/Cement Topcoat. Seal with Avocado Oil
1/4" minus gravel with fines. Mix with 10% dry clay. Dampen and compact

Wooden girder (corrugated steel roof)

Double 2X4 Top plates
(2) rows of 1" roofing nails to secure geotextile
5" rd. bamboo-truss
3" of straw-light clay insulation

3" metal U-strap - Secure to each top plate typ.
Dbl. 2X4 top plates
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