NOTE: SUGGESTED CONSTRUCTION IS 4 INCH CONCRETE E PAD WITH BAMBOO REINFORCEMENT. PAD TO HELP FOR SYSTEM SETTLING.
6" BAMBOO LATRINE FRAME COLUMNS
SaTo FIXTURE PAD
6x6 BAMBOO PLATFORM
WASHING STATION WITH FLOOR DRAIN

Platform Plan
1/2" = 1'-0"

Wood Steps
Hand Rails

Gutter Tucked Under
Sheet Metal Roof

Latrine Door

Stairs 5'-7" Risers and 11" Run

Right-Hand Views

Platform Plans P003

WorldSkills Foundation | Water Innovation Challenge

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DIGESTER ELEVATION 1

DIGESTER 1

DIGESTER 2

DIGESTER 3

2" BIOGAS PIPE

4" CONCRETE BAMBOO
REINFORCED SYSTEM PAD

6' - 6" (1981)

4" PVC PIPE

6' - 6" (1981)

2" BIOGAS PIPE TO FEED END USE

2" BIOGAS PIPE
KEEP A DISTANCE OF 8" - 10" BETWEEN DIGESTERS

2" BIOGAS PIPE

4" PVC PIPE

4" CONCRETE BAMBOO REINFORCED SYSTEM PAD

DIGESTER 1

DIGESTER 2

DIGESTER 3

DIGESTER 4
2" BIOGAS PIPE, 4" PVC PIPE,
6" PVC PIPE

DIGESTER 6

DIGESTER 5

DIGESTER 4

OVERFLOW TANK

4" PVC PIPE

PIPE FROM WASH
STATION DRAIN
CONNECT TO
OVERFLOW TANK

2" BIOGAS PIPE

4" CONCRETE BAMBOO
REINFORCED SYSTEM PAD

KEEP A DISTANCE OF
8'-10" BETWEEN
DIGESTERS

2" BIOGAS PIPE TO
DIGESTER 3

2" BIOGAS PIPE

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LATRINE RAIN WATER ROOF GUTTER, PROVIDE MESH SCREEN TO KEEP DEBRIS OUT.
RAIN WATER COLLECTION PIPE FROM ROOF TO STORAGE TANK
ROUTE CONCRETE DIGESTER CONNECTION TO Sàto DEFEICATION OUTLET
2" BIOGAS PIPE

DIVERTER VALVE/FIRST FLUSH

WIRE MESH
BAMBOO WALLS

WASH STATION DRAIN PIPE TO OVERFLOW TANK
WATER SUPPLY PIPE TO WASH STATION
4" CONCRETE BAMBOO REINFORCED PAD
BAMBOO LATRINE FRAME COLUMNS TO BE SET 3 FEET INTO THE GROUND

LATRINE ELEVATION

3/8" = 1'-0"
ROUTE GAS PIPE TO FUEL DEMAND.
ROUTE GAS PIPE TO FUEL DEMAND.