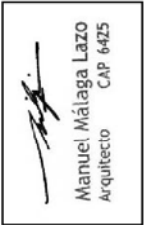
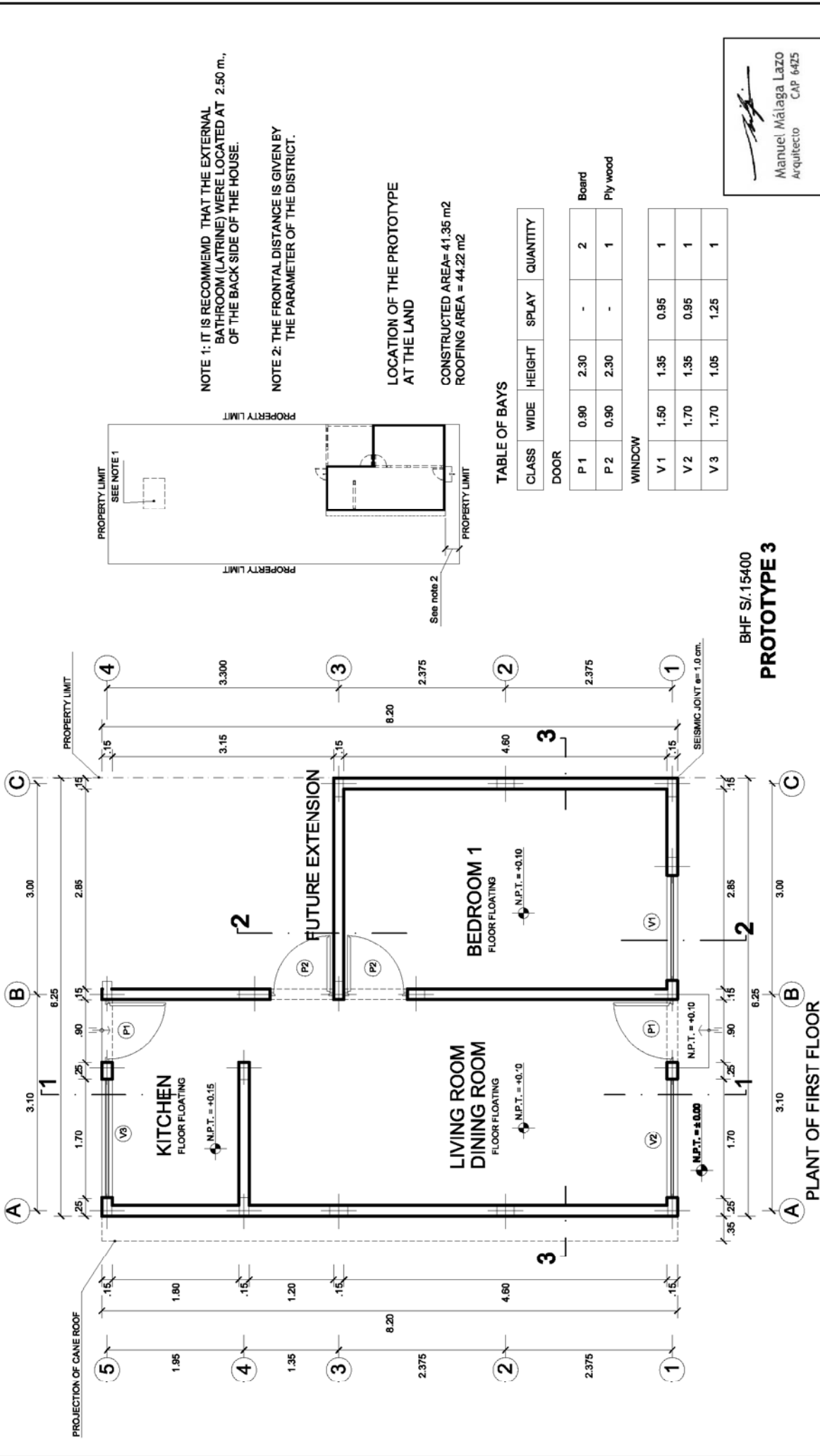


Prototype 3

Prototype 3 No. 6: Simple tie beam; roofing of cane; electrical installation available; with latrine. The cost is S/. 16,417.49



PROJECT EXECUTOR COMPANY:
MBI SAC
MASTER BUILDING INGENIEROS SAC

DATE:
SEPTEMBER 2008

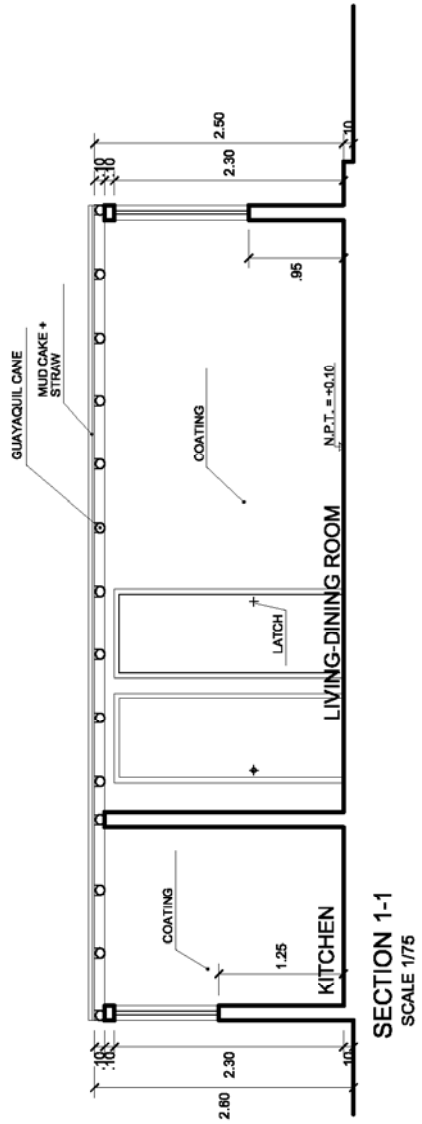
APPROVED:

N° LAMINE:
A-01
PROTOTYPE 3
No 06

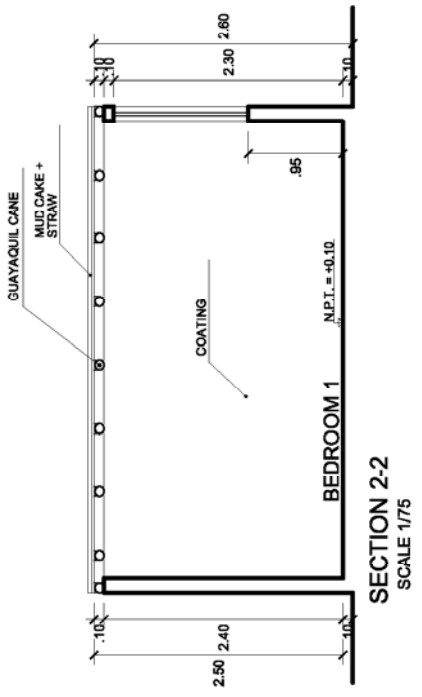
SPECIALITY:
ARCHITECTURE - PROTOTYPE 3
PLANT

PROJECT:
PROVISION OF THE RECONSTRUCTIONS OF SAFER HOUSING
RECONSTRUCTIONS STUDY OF SEISMIC RESISTANT HOUSING IN THE REPUBLIC OF PERÚ

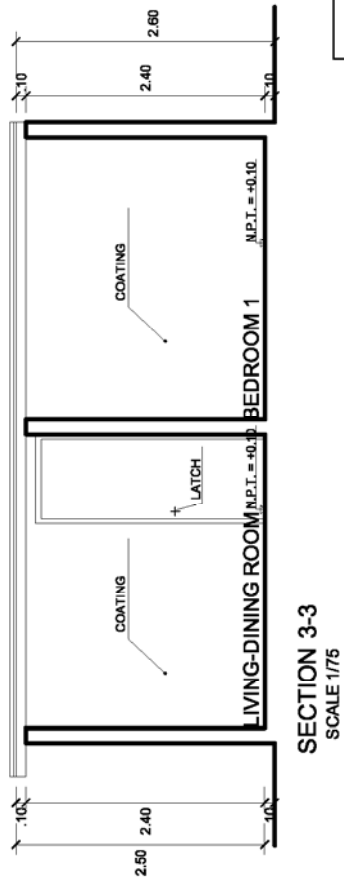




SECTION 1-1
SCALE 1/75




SECTION 2-2
SCALE 1/75

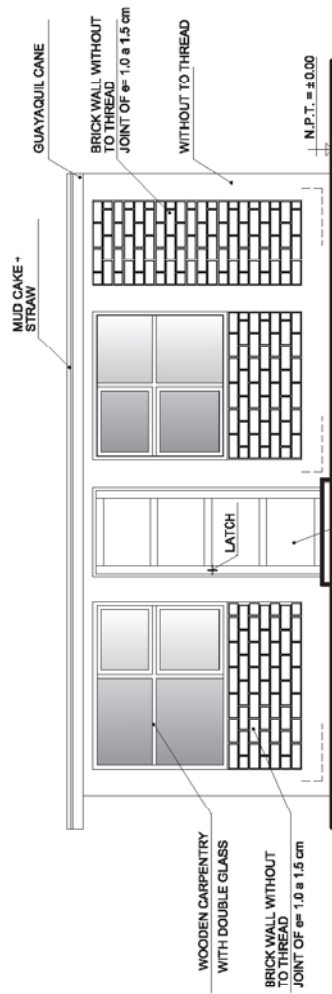


SECTION 3-3
SCALE 1/75

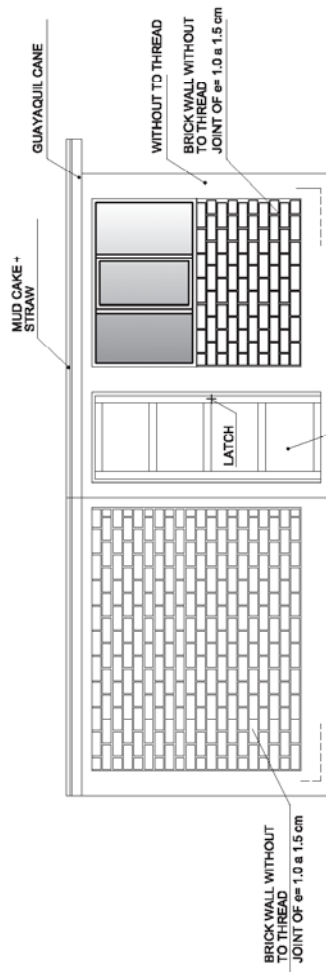
BHF S/15400
PROTOTYPE 3


Manuel Málaga Lazo
Arquitecto CAP 6425

	PROJECT : PROVISION OF THE RECONSTRUCTIONS OF SAFER HOUSING RECONSTRUCTIONS STUDY OF SEISMIC RESISTANT HOUSING IN THE REPUBLIC OF PERÚ	SPECIALITY: ARCHITECTURE - PROTOTYPE 3 CUTS	N° LAMINE: A-02 PROTOTYPE 3 No.06	APPROVED:	DATE: SEPTEMBER 2008	PROJECT EXECUTOR COMPANY : MBI SAC MASTER BUILDING INGENIEROS SAC

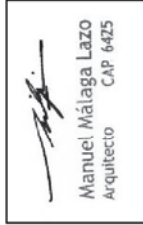


FRONT ELEVATION
SCALE 1/75

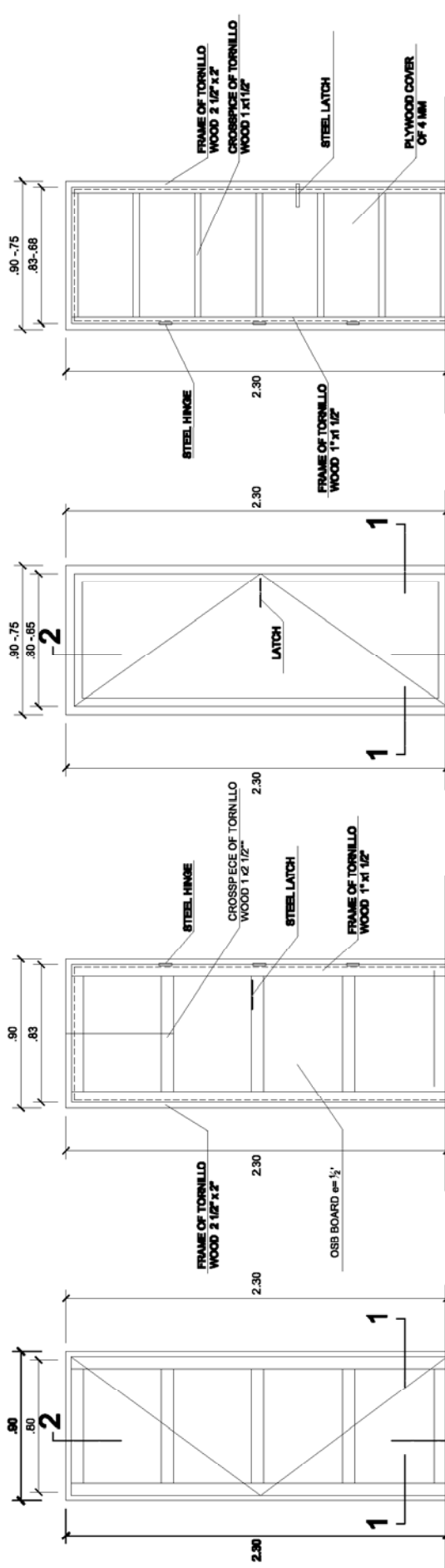


BACK ELEVATION
SCALE 1/75

BHF S/15400
PROTOTYPE 3



	PROJECT : PROVISION OF THE RECONSTRUCTIONS OF SAFER HOUSING RECONSTRUCTIONS STUDY OF SEISMIC RESISTANT HOUSING IN THE REPUBLIC OF PERÚ	SPECIALITY: ARCHITECTURE - PROTOTYPE 3 ELEVATIONS	N° LAMINE: A-03 PROTOTYPE 3 No 06	APPROVED:	DATE: SEPTEMBER 2008	PROJECT EXECUTOR COMPANY : MBI SAC MASTER BUILDING INGENIEROS SAC



DETAILS OF DOOR P2
WITHOUT SCALE

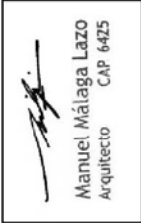
DETAILS OF DOOR P2

DOOR P2
PLYWOOD
WITHOUT SCALE

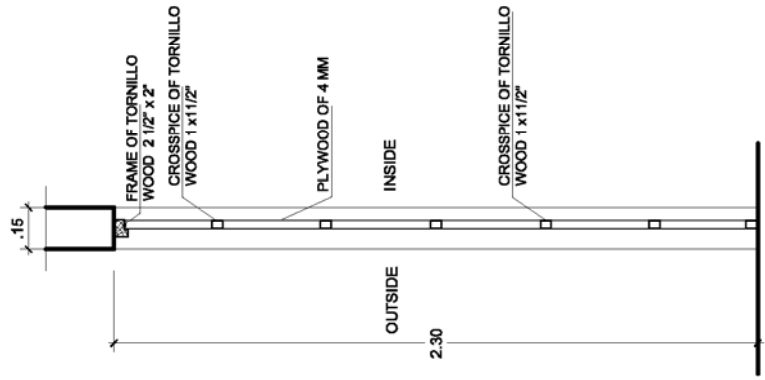
DETAILS OF DOOR P1

DETAILS OF DOOR P1
WITHOUT SCALE

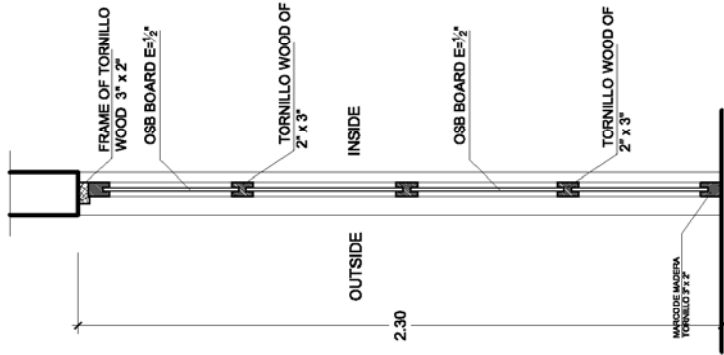
DOOR P1
PLYWOOD
WITHOUT SCALE



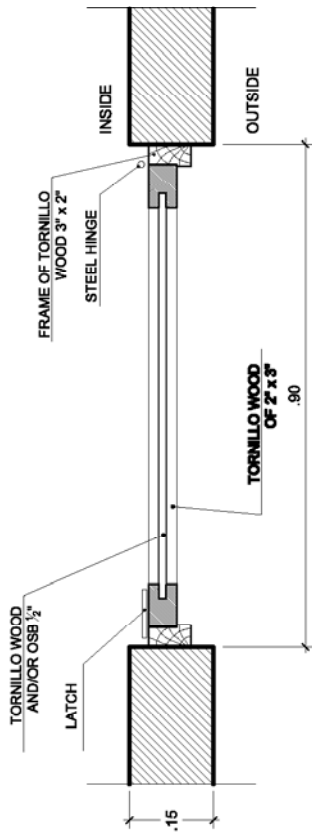
	PROJECT : PROVISION OF THE RECONSTRUCTIONS OF SAFER HOUSING RECONSTRUCTIONS STUDY OF SEISMIC RESISTANT HOUSING IN THE REPUBLIC OF PERÚ	SPECIALITY : ARCHITECTURE - PROTOTYPE 3 CARPENTRY DETAILS	N° LAMINE : D-01 PROTOTYPE 3 No 06	APPROVED:	DATE: SEPTEMBER 2008	PROJECT EXECUTOR COMPANY : MBI SAC MASTER BUILDING INGENIEROS SAC



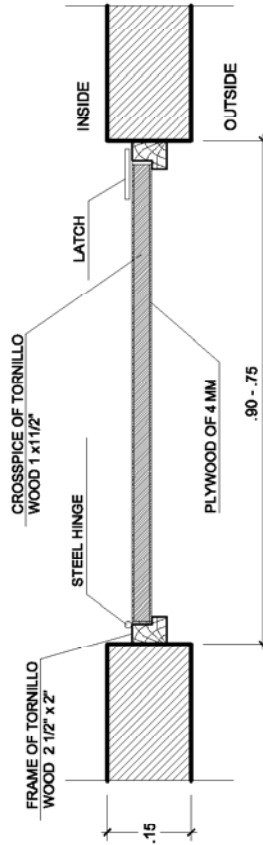
DOOR P2
SECTION 2-2
WITHOUT SCALE



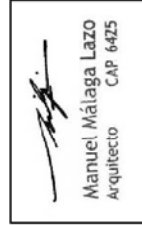
DOOR P1
SECTION 2-2
WITHOUT SCALE



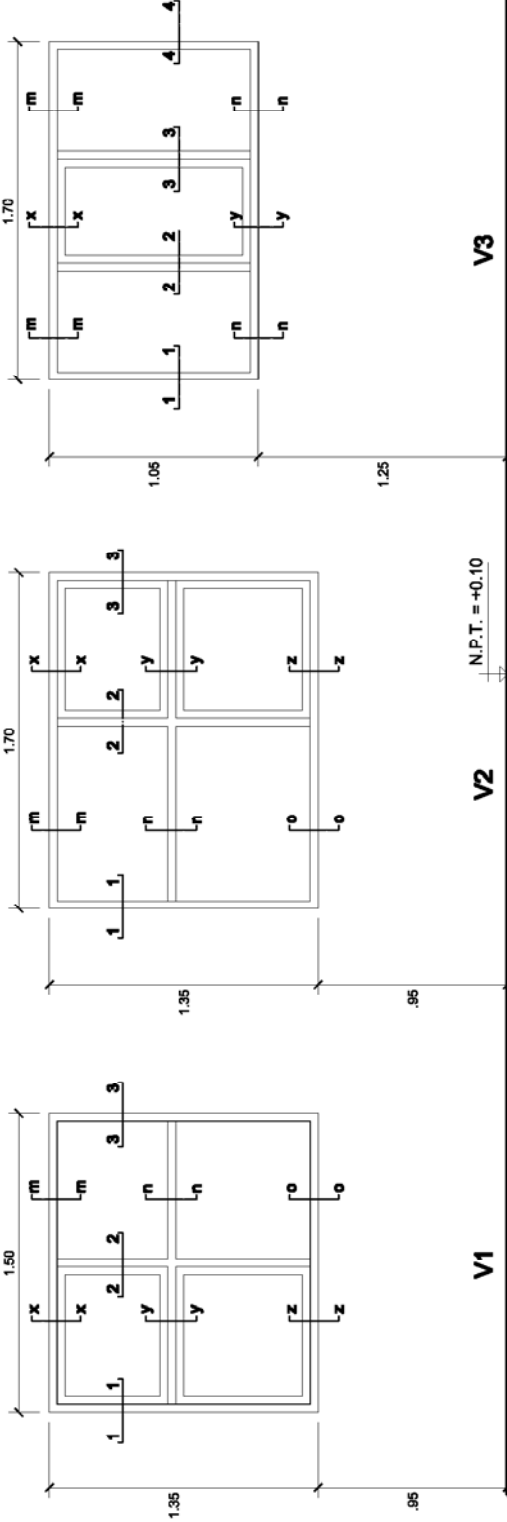
SECTION 1-1 (P1)
WITHOUT SCALE



SECTION 1-1 (P2)
WITHOUT SCALE




	PROJECT : PROVISION OF THE RECONSTRUCTIONS OF SAFER HOUSING RECONSTRUCTIONS STUDY OF SEISMIC RESISTANT HOUSING IN THE REPUBLIC OF PERÚ	SPECIALITY : ARCHITECTURE - PROTOTYPE 3 CARPENTRY DETAILS	N° LAMINE: D-02 PROTOTYPE 3 No.05	APPROVED:	DATE: SEPTEMBER 2008	PROJECT EXECUTOR COMPANY : MBI SAC MASTER BUILDING INGENIEROS SAC



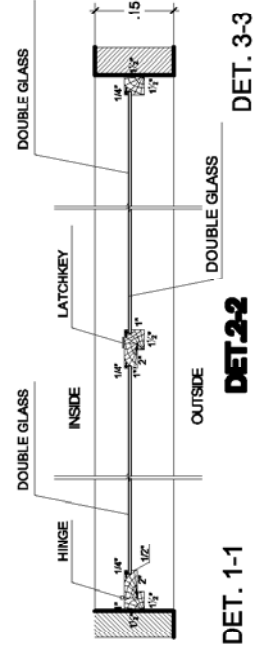
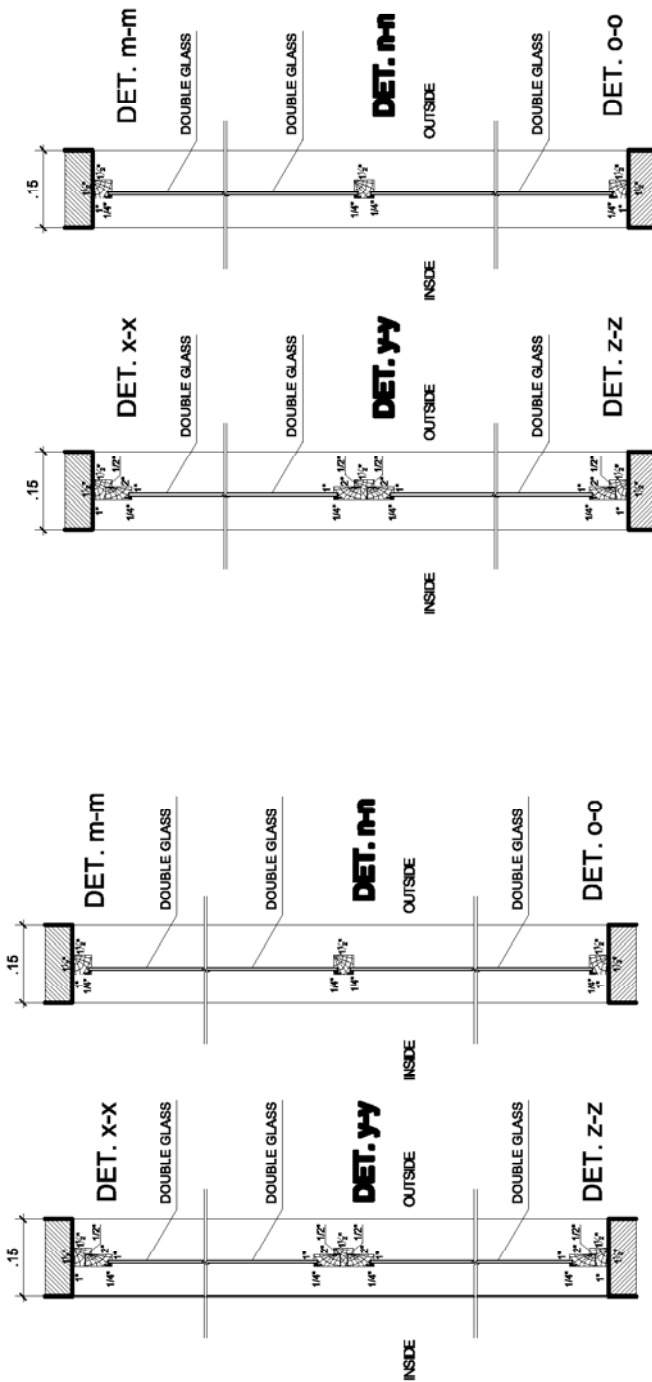
V1
WINDOW V1
OF TORNILLO WOOD
WITHOUT SCALE

V2
WINDOW V2
OF TORNILLO WOOD
WITHOUT SCALE

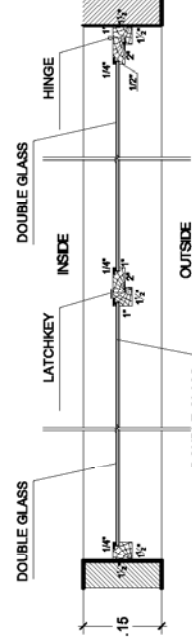
V3
WINDOW V3
OF TORNILLO WOOD
WITHOUT SCALE


Manuel Málaga Lazo
Arquitecto CAP 6425

	PROJECT : PROVISION OF THE RECONSTRUCTIONS OF SAFER HOUSING RECONSTRUCTIONS STUDY OF SEISMIC RESISTANT HOUSING IN THE REPUBLIC OF PERÚ	SPECIALITY : ARCHITECTURE - PROTOTYPE 3 CARPENTRY DETAILS	N° LAMINE: D-03 PROTOTYPE 3 No 06	APPROVED:	DATE: SEPTEMBER 2008	PROJECT EXECUTOR COMPANY : MBI SAC MASTER BUILDING INGENIEROS SAC
	3-A1-38					



DET. 1-1
DET. 2-2
DETAILS OF WINDOW V1
WITHOUT SCALE



DET. 1-1
DET. 2-2
DETAILS OF WINDOW V2
WITHOUT SCALE

Manuel Málaga Lazo
Manuel Málaga Lazo
Arquitecto
CAP 6425



PROJECT :
PROVISION OF THE RECONSTRUCTIONS OF SAFER HOUSING
RECONSTRUCTIONS STUDY OF SEISMIC RESISTANT HOUSING IN THE REPUBLIC OF PERÚ

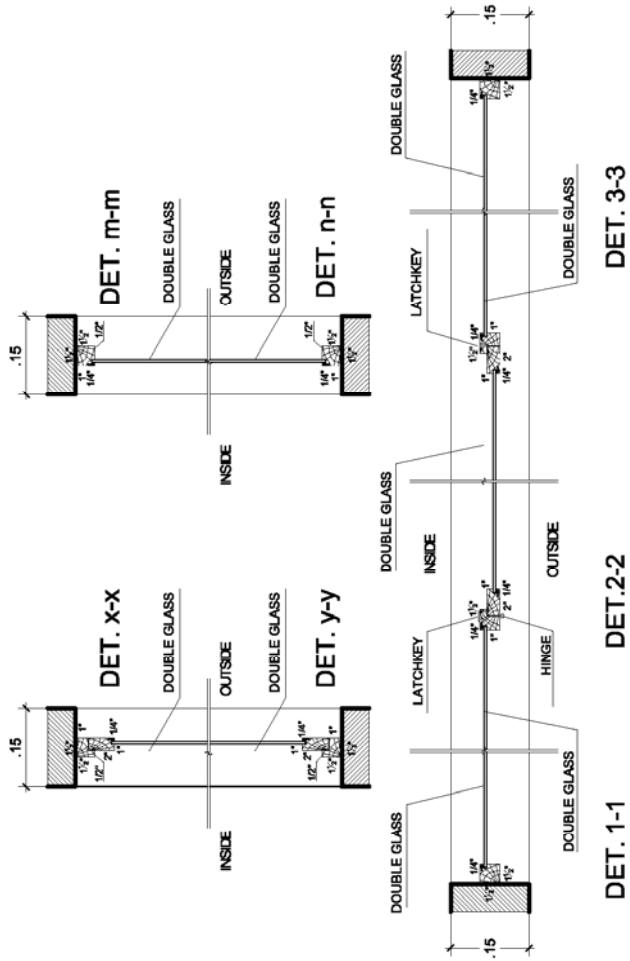
SPECIALITY:
ARCHITECTURE -
PROTOTYPE 3
CARPENTRY DETAILS

N° LAMINE:
D-04
PROTOTYPE 3
No 06

APPROVED:


DATE:
SEPTEMBER 2008


PROJECT EXECUTOR COMPANY :
MBI SAC
MASTER BUILDING INGENIEROS SAC

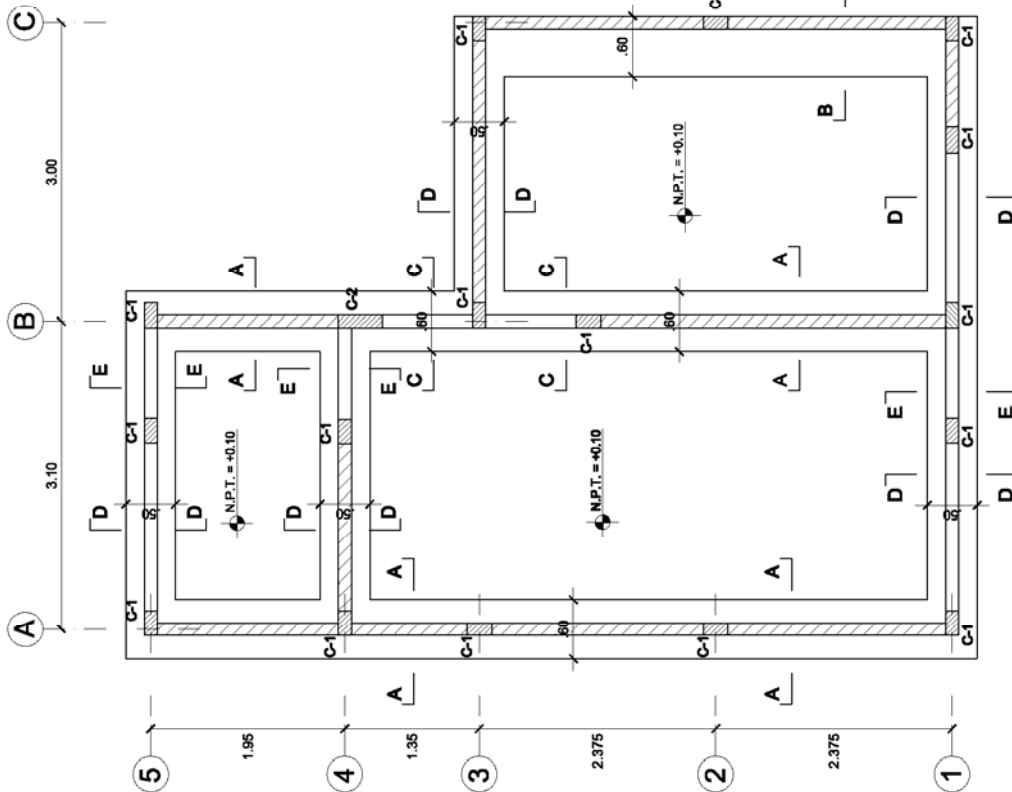


DET. 1-1 DET.2-2 DET.3-3

DETAILS OF WINDOW V3
WITHOUT SCALE

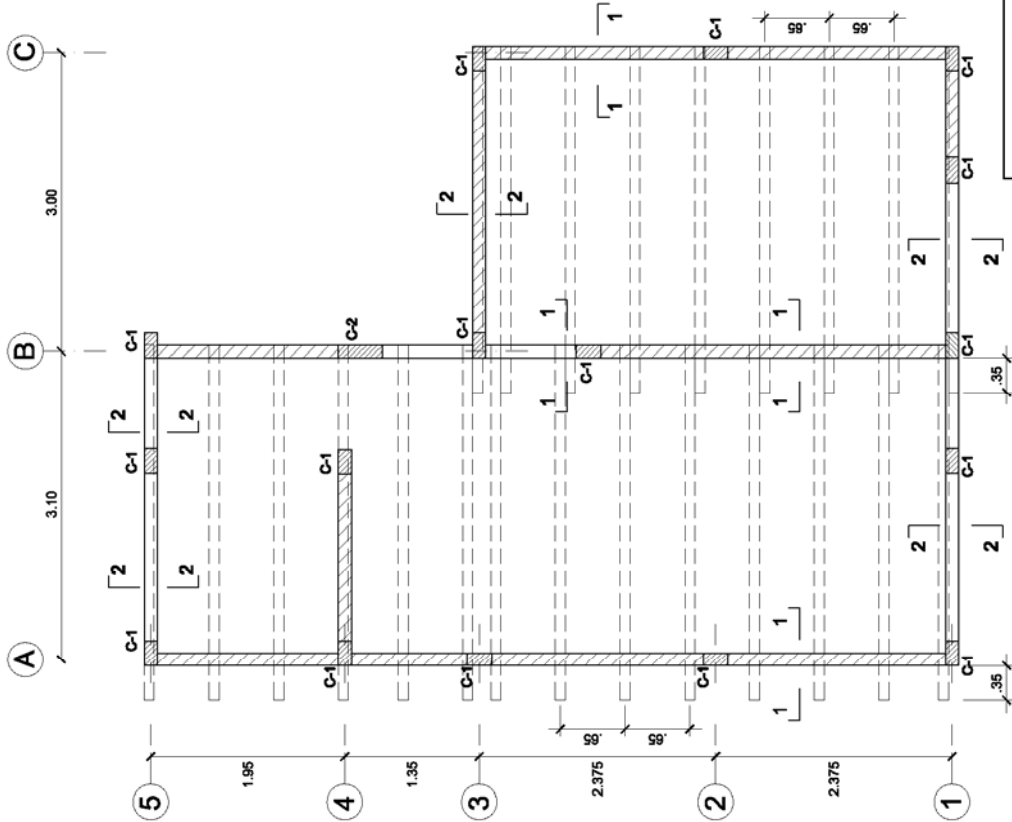

Manuel Málaga Lazo
Arquitecto CAP 6425

	PROJECT : PROVISION OF THE RECONSTRUCTIONS OF SAFER HOUSING RECONSTRUCTIONS STUDY OF SEISMIC RESISTANT HOUSING IN THE REPUBLIC OF PERÚ	SPECIALITY : ARCHITECTURE - PROTOTYPE 3 CARPENTRY DETAILS	N° LAMINE: D-05 PROTOTYPE 3 No.05	APPROVED:	DATE: SEPTEMBER 2008	PROJECT EXECUTOR COMPANY : MBI SAC MASTER BUILDING INGENIEROS SAC

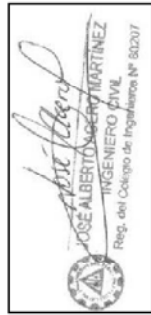


FOUNDATION
SCALE 1/75

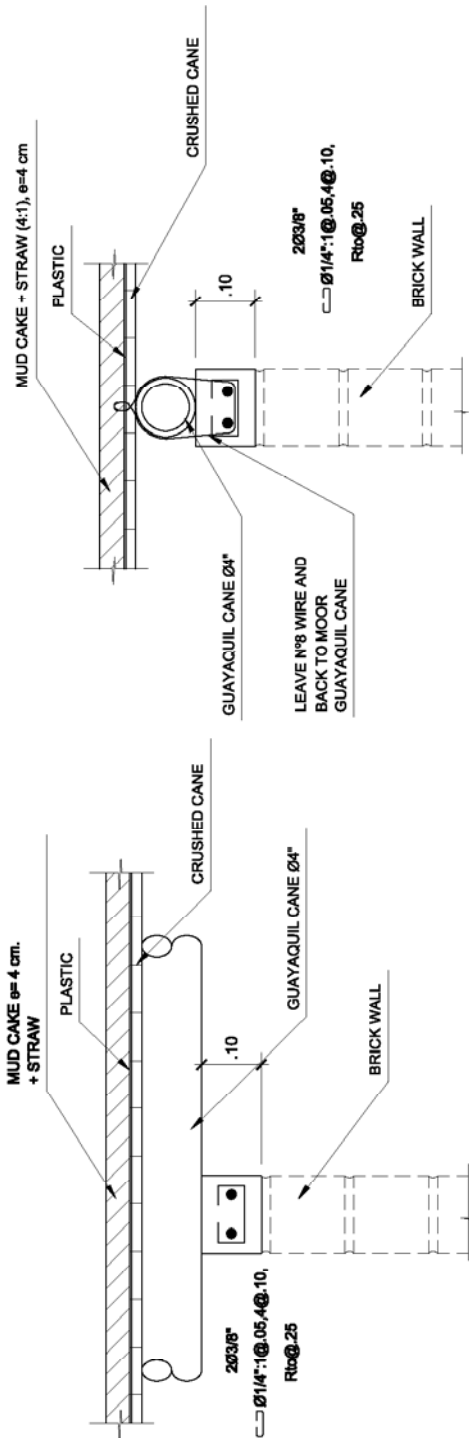
BHF S/15400
PROTOTYPE 3



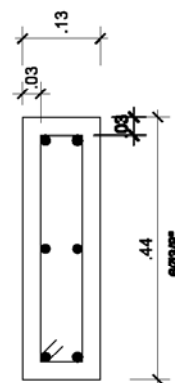
CANE COVERING ROOF +
CRUSHED CANE + MUD CAKE
SCALE 1/75



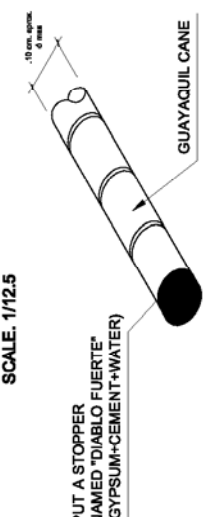
	PROJECT : PROVISION OF THE RECONSTRUCTIONS OF SAFER HOUSING RECONSTRUCTIONS STUDY OF SEISMIC RESISTANT HOUSING IN THE REPUBLIC OF PERÚ	SPECIALITY : FOUNDATION AND SLAB ESTRUCTURE - PROTOTYPE 3	N° LAMINE : E-01 PROTOTYPE 3 No 06	APPROVED :	DATE : SEPTEMBER 2008	PROJECT EXECUTOR COMPANY : MBI SAC MASTER BUILDING INGENIEROS SAC



SECTION 1-1
SCALE 1/12.5



C-1
SCALE. 1/12.5

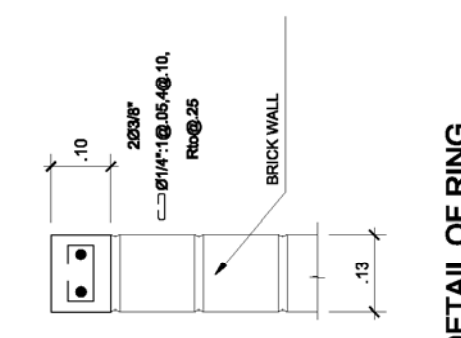


C-2
SCALE. 1/12.5

PUT A STOPPER NAMED "DIABLO FUERTE" (GYPSUM+CEMENT+WATER)

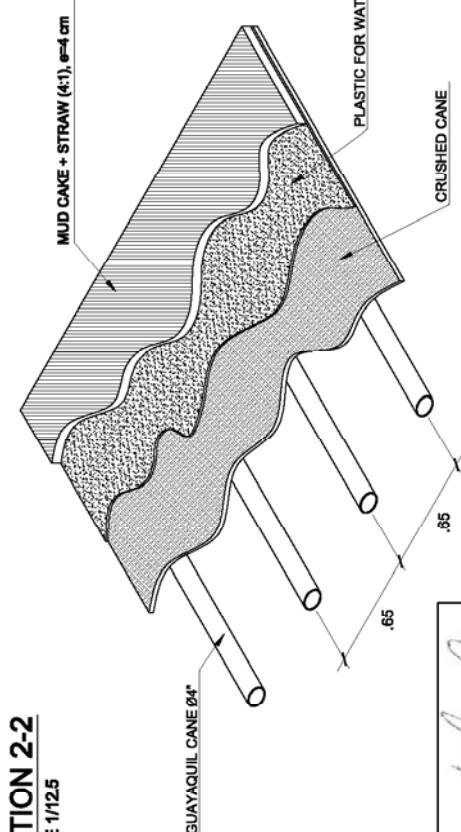


PROJECT :
PROVISION OF THE RECONSTRUCTIONS OF SAFER HOUSING RECONSTRUCTIONS STUDY OF SEISMIC RESISTANT HOUSING IN THE REPUBLIC OF PERÚ



DETAIL OF RING BEAM
SCALE 1/12.5

SECTION 2-2
SCALE 1/12.5



DETAIL OF THE ROOF COVER

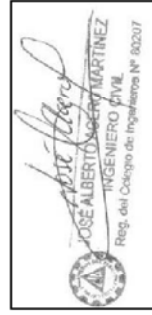
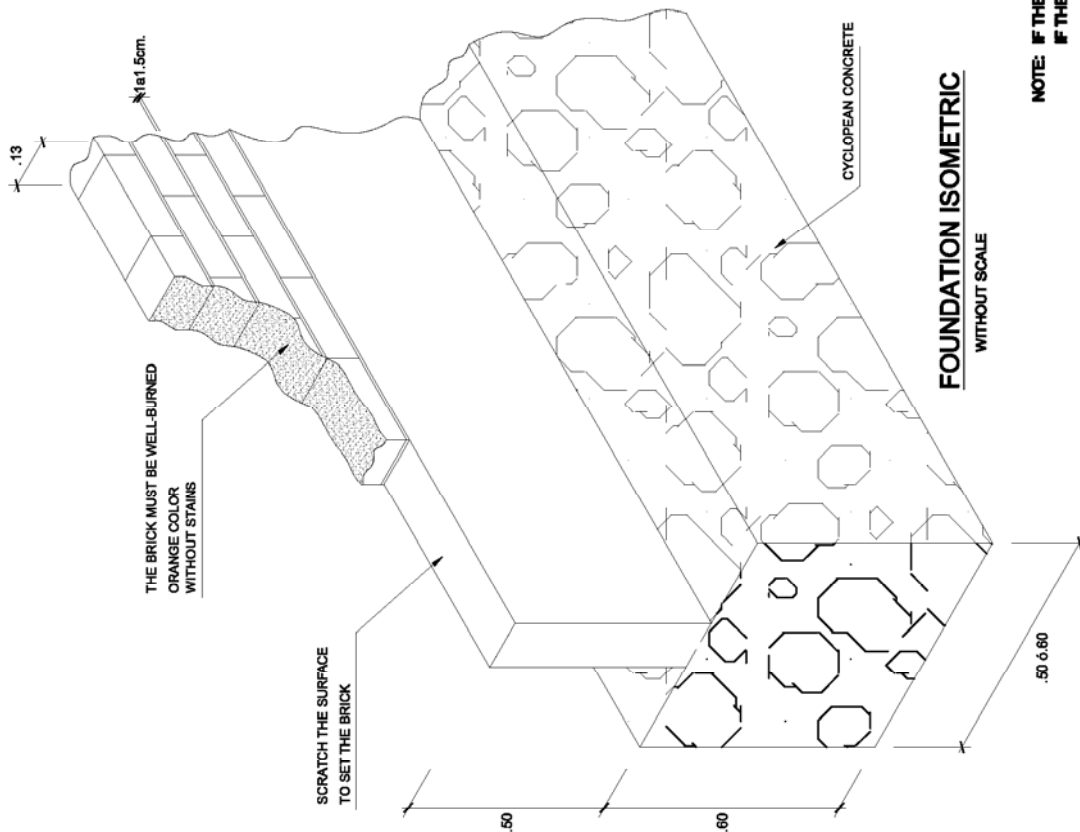
SPECIALITY:
TYPICAL DETAILS OF THE SLAB STRUCTURE - PROTOTYPE 3

N° LAMINE:
E-02
PROTOTYPE 3
No 06

PROJECT EXECUTOR COMPANY :
MBI SAC
MASTER BUILDING INGENIEROS SAC

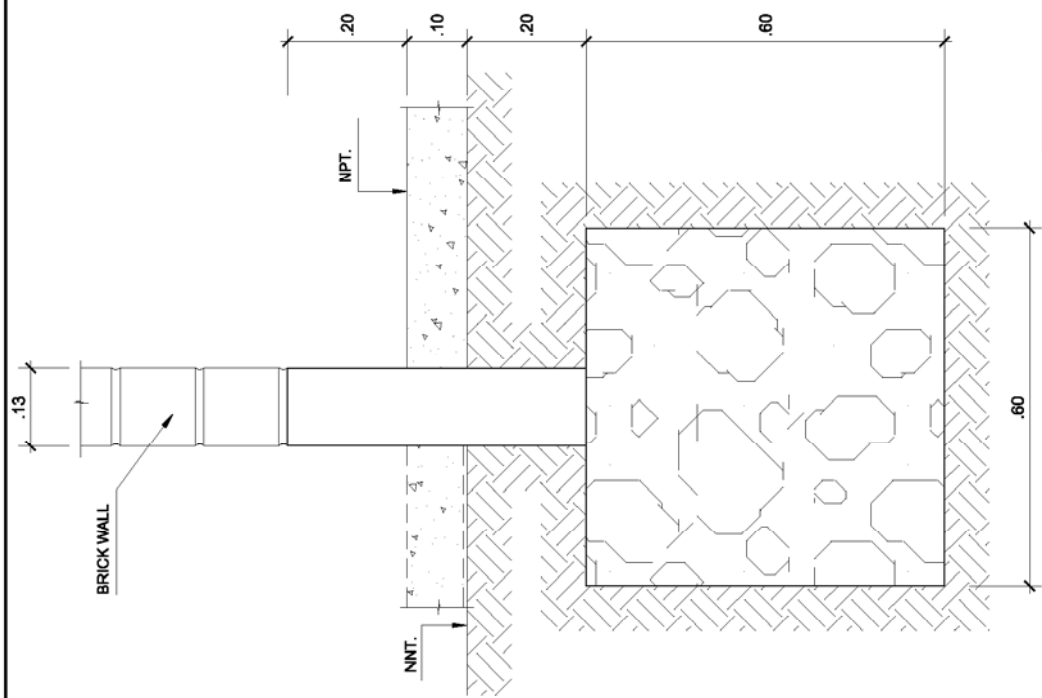
APPROVED:

DATE:
SEPTEMBER 2008



NOTE: IF THE SOIL HAS BAD RESISTANCE PUT REINFORCEMENT IN THE TIE BEAM
IF THE SOIL HAS GOOD RESISTANCE NOT PUT REINFORCEMENT IN THE TIE BEAM

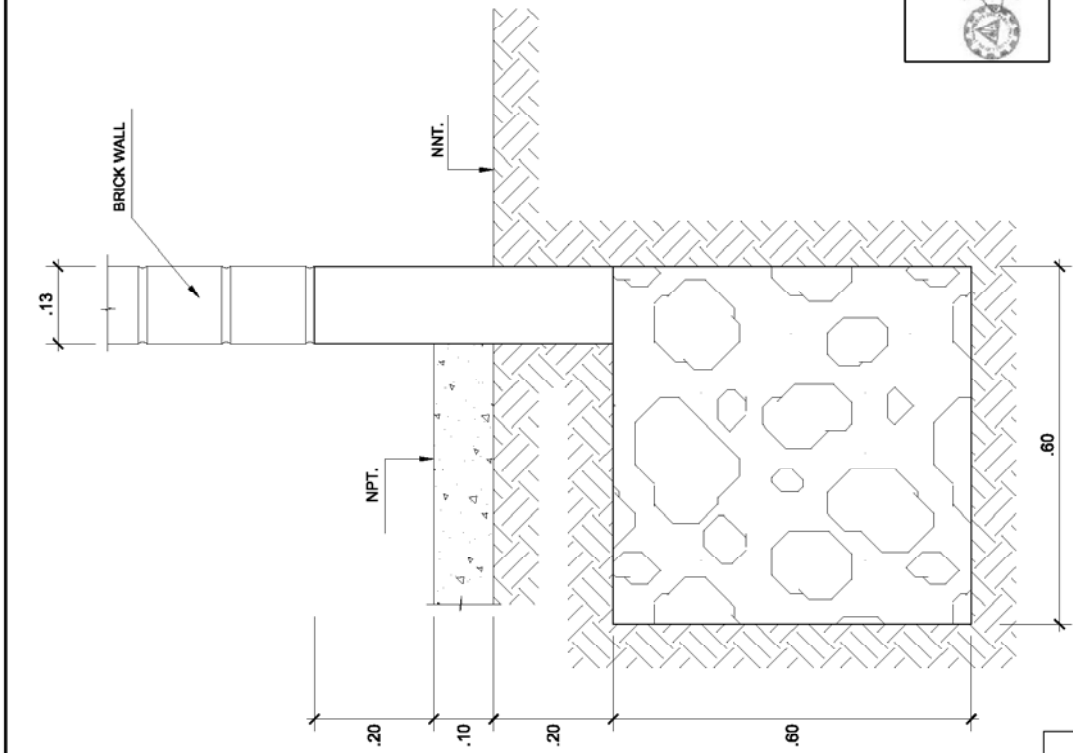
	PROJECT : PROVISION OF THE RECONSTRUCTIONS OF SAFER HOUSING RECONSTRUCTIONS STUDY OF SEISMIC RESISTANT HOUSING IN THE REPUBLIC OF PERU	SPECIALITY : TYPICAL DETAILS OF FOUNDATIONS - PROTOTYPE 3	N° LAMINE : E-03 PROTOTYPE 3 No 06	APPROVED:	DATE: SEPTEMBER 2008	PROJECT EXECUTOR COMPANY : MBI SAC MASTER BUILDING INGENIEROS SAC
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SECTION A-A

SCALE 1/12.5

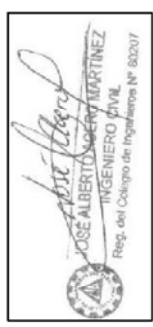
LEGEND	
NNT	Natural level of land
NPT	Level of finished floor



SECTION B-B

SCALE 1/12.5

NOTE: IF THE SOIL HAS BAD RESISTANCE PUT REINFORCEMENT IN THE TIE BEAM
 IF THE SOIL HAS GOOD RESISTANCE NOT PUT REINFORCEMENT IN THE TIE BEAM



PROJECT :
 PROVISION OF THE RECONSTRUCTIONS OF SAFER HOUSING
 RECONSTRUCTIONS STUDY OF SEISMIC RESISTANT HOUSING IN THE REPUBLIC OF PERU

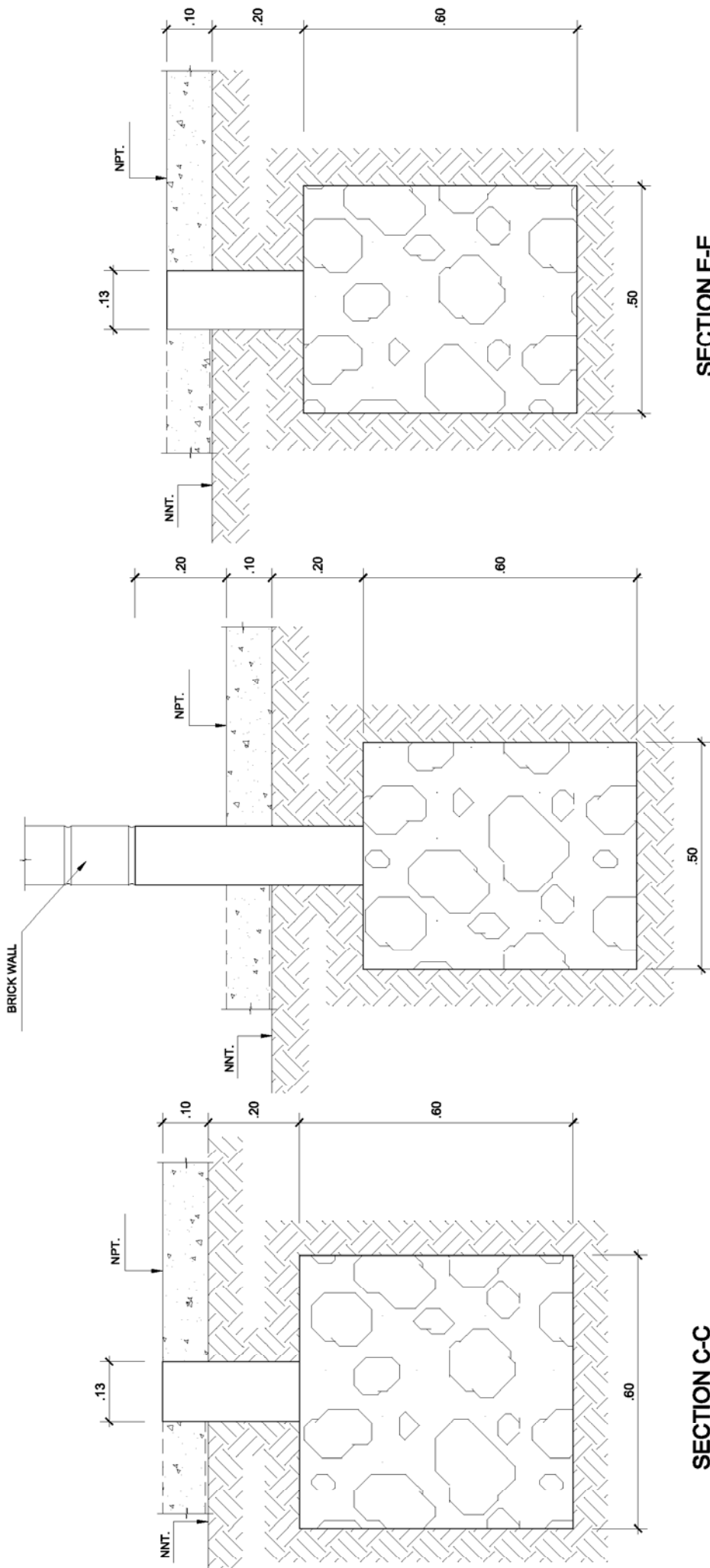
SPECIALITY:
 TYPICAL DETAILS OF FOUNDATION - PROTOTYPE 3

N° LAMINE:
E-04
 PROTOTYPE 3
 No 06

APPROVED:

DATE:
 SEPTEMBER 2008

PROJECT EXECUTOR COMPANY :
MBI SAC
 MASTER BUILDING INGENIEROS SAC



SECTION C-C
SCALE 1/12.5

SCALE 1/12.5

SECTION D-D
SCALE 1/12.5

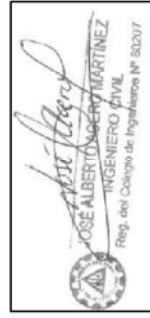
SCALE 1/12.5

SECTION E-E
SCALE 1/12.5

SCALE 1/12.5

LEGEND	
NNT	Natural level of land
NPT	Level of finished floor

NOTE: IF THE SOIL HAS BAD RESISTANCE PUT REINFORCEMENT IN THE TIE BEAM
IF THE SOIL HAS GOOD RESISTANCE NOT PUT REINFORCEMENT IN THE TIE BEAM



PROJECT :
PROVISION OF THE RECONSTRUCTIONS OF SAFER HOUSING
RECONSTRUCTIONS STUDY OF SEISMIC RESISTANT HOUSING IN THE REPUBLIC OF PERÚ

SPECIALITY :
TYPICAL DETAILS OF FOUNDATION - PROTOTYPE 3

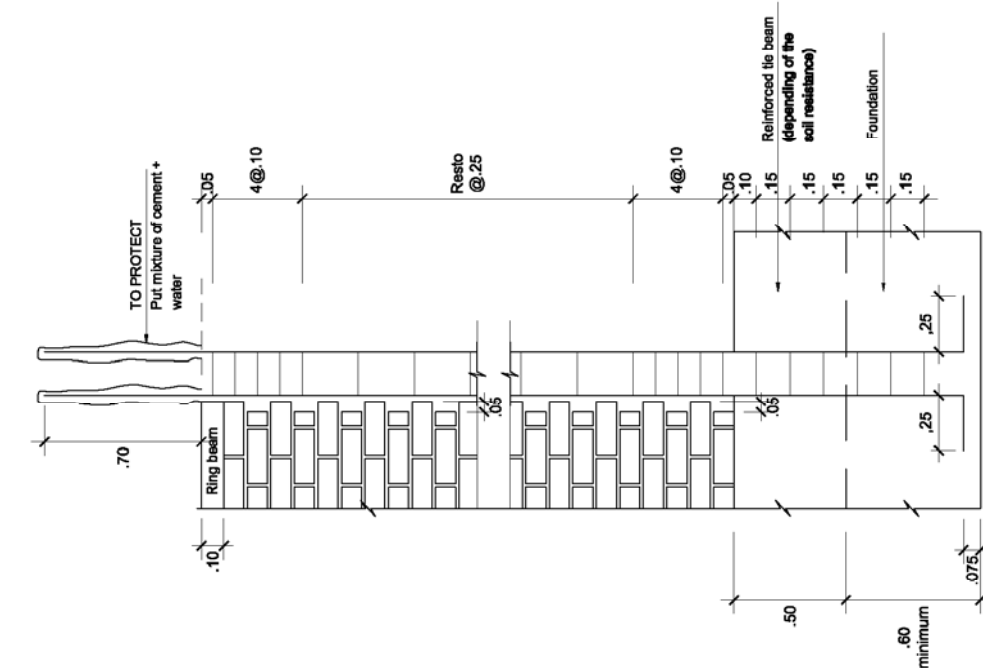
N° LAMINE: **E-05**
PROTOTYPE 3
No 06

APPROVED:

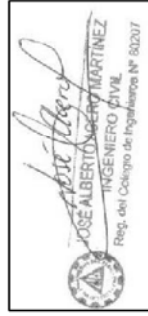
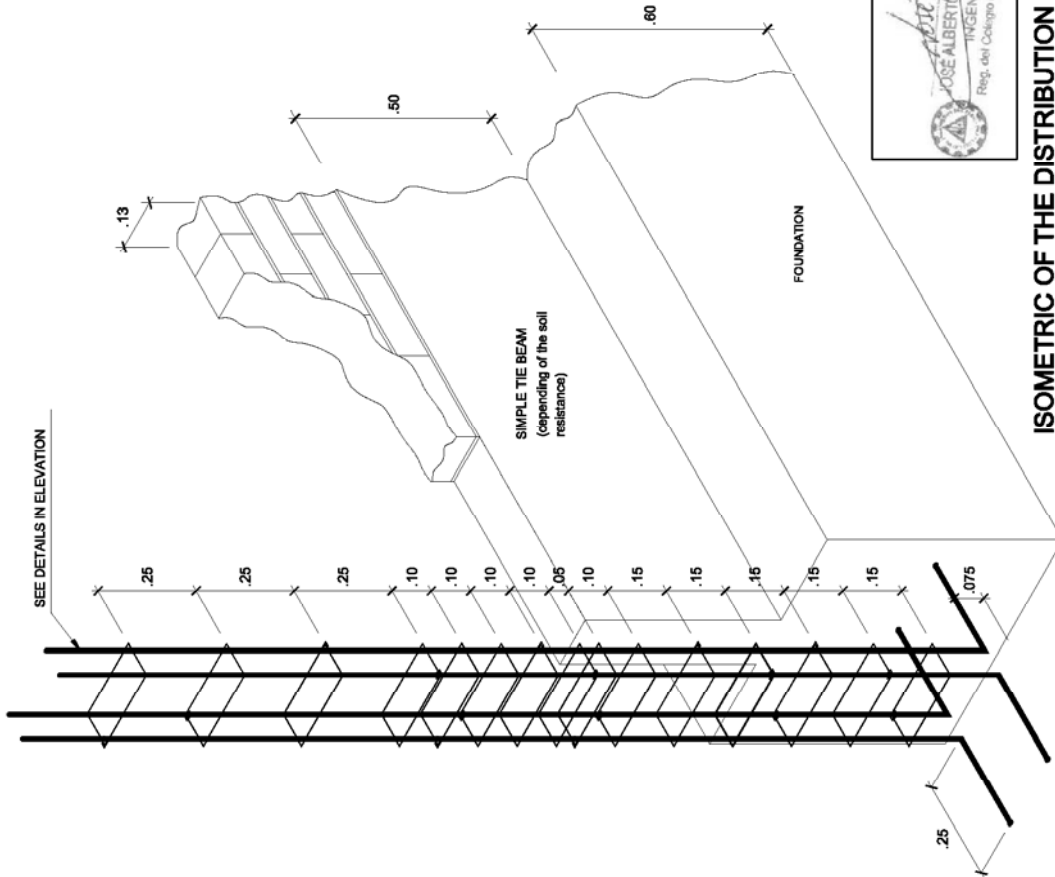
DATE: SEPTEMBER 2008

PROJECT EXECUTOR COMPANY :
MBI SAC
MASTER BUILDING INGENIEROS SAC





**ELEVATION OF THE CONFINEMENT WALL
(GEARED ALTERNATIVE)**
WITHOUT SCALE



**ISOMETRIC OF THE DISTRIBUTION
OF STEEL IN THE WALL CONFINEMENT
COLUMN (GEARED ALTERNATIVE)**
WITHOUT SCALE

PROJECT :
PROVISION OF THE RECONSTRUCTIONS OF SAFER
HOUSING
RECONSTRUCTIONS STUDY OF SEISMIC RESISTANT
HOUSING IN THE REPUBLIC OF PERÚ

SPECIALITY:
TYPICAL DETAILS OF
FOUNDATION -
PROTOTYPE 3

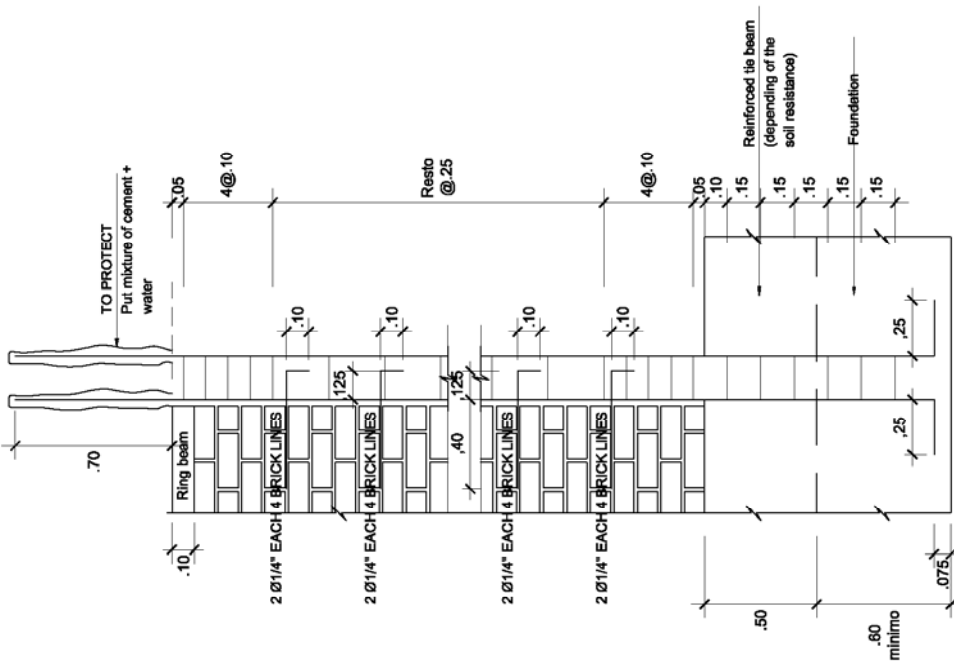
N° LAMINE:
E-06
PROTOTYPE 3
No 06

APPROVED:

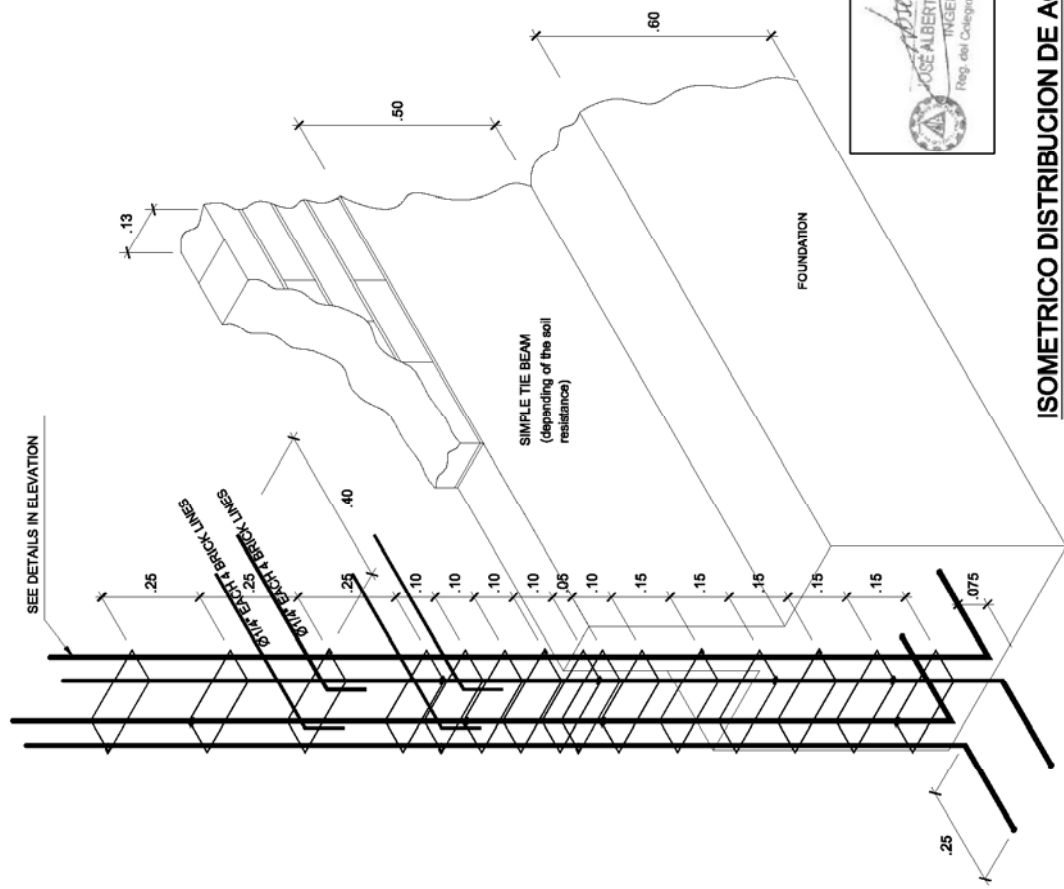
DATE:
SEPTEMBER 2008

PROJECT EXECUTOR
COMPANY :
MBI SAC
MASTER BUILDING INGENIEROS SAC

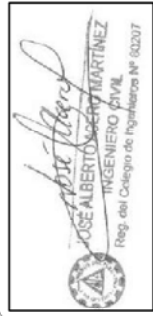




**ELEVATION OF WALL CONFINEMENT
WITH JUNKS**
WITHOUT SCALE



**ISOMETRICO DISTRIBUCION DE ACERO
EN COLUMNA CON CHICOTES**
SIN ESCALA



PROJECT :
PROVISION OF THE RECONSTRUCTIONS OF SAFER
HOUSING
RECONSTRUCTIONS STUDY OF SEISMIC RESISTANT
HOUSING IN THE REPUBLIC OF PERÚ

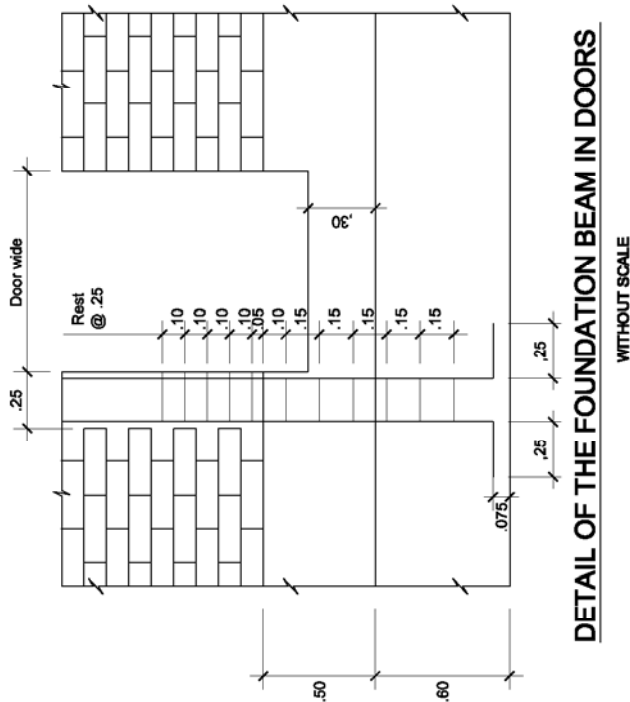
SPECIALITY:
TYPICAL DETAILS OF
FOUNDATION -
PROTOTYPE 3

N° LAMINE:
E-07
PROTOTYPE 3
No. 06

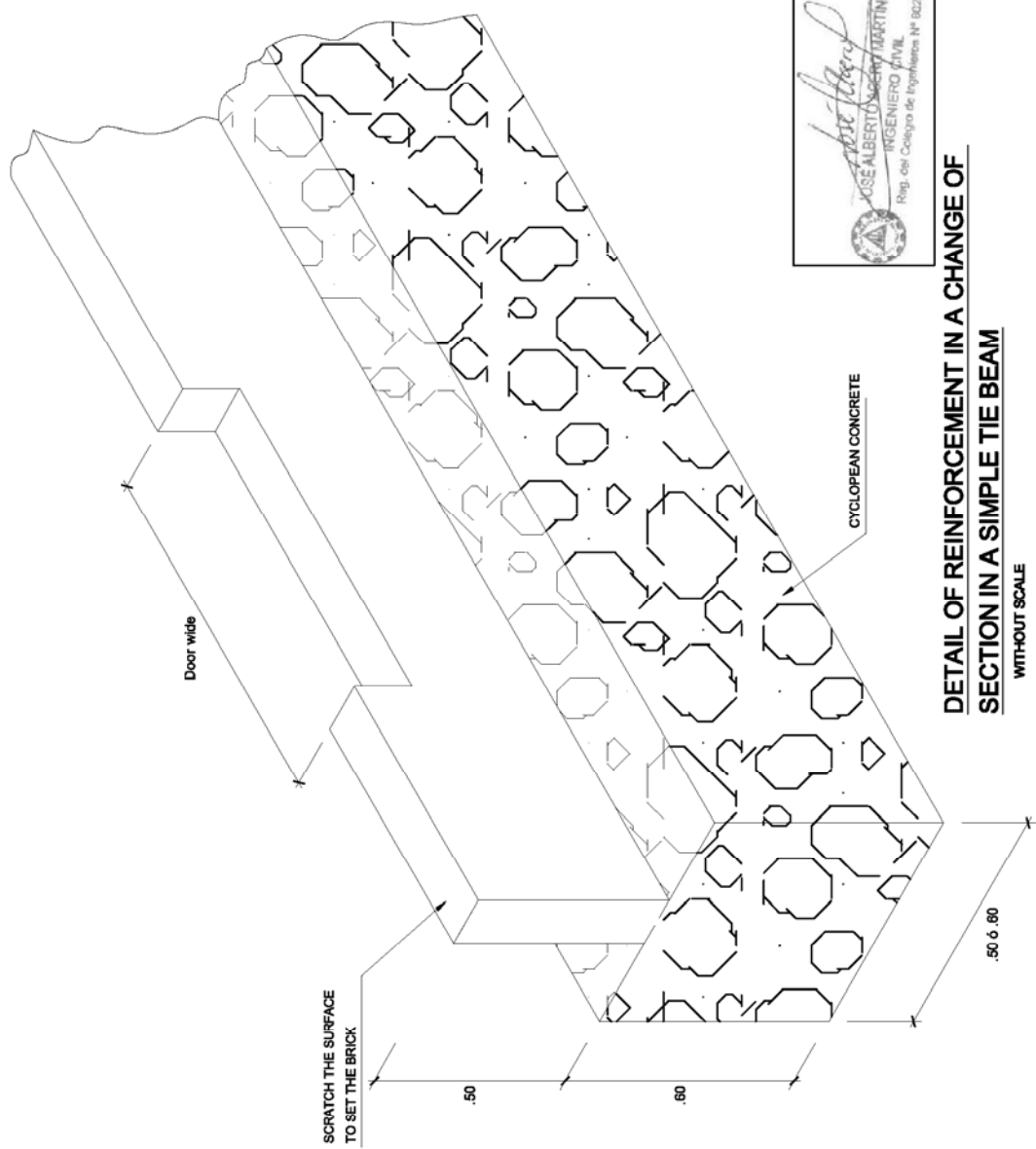
APPROVED:

DATE:
SEPTEMBER 2008

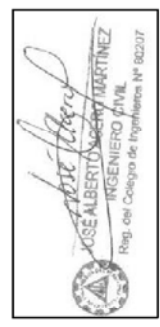
PROJECT EXECUTOR
COMPANY :
MBI SAC
MASTER BUILDING INGENIEROS SAC



DETAIL OF THE FOUNDATION BEAM IN DOORS
WITHOUT SCALE



DETAIL OF REINFORCEMENT IN A CHANGE OF SECTION IN A SIMPLE TIE BEAM
WITHOUT SCALE

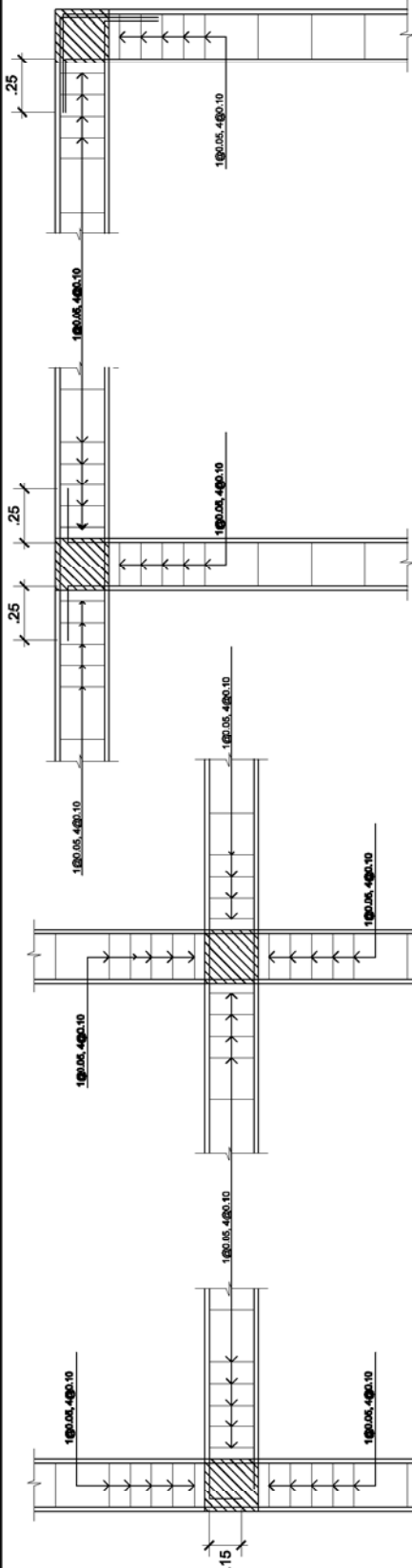


NOTE: IF THE SOIL HAS BAD RESISTANCE PUT REINFORCEMENT IN THE TIE BEAM
IF THE SOIL HAS GOOD RESISTANCE NOT PUT REINFORCEMENT IN THE TIE BEAM

PROJECT : PROVISION OF THE RECONSTRUCTIONS OF SAFER HOUSING RECONSTRUCTIONS STUDY OF SEISMIC RESISTANT HOUSING IN THE REPUBLIC OF PERÚ	SPECIALITY: TYPICAL DETAILS OF FOUNDATION - PROTOTYPE 3	N° LAMINE: E-08 PROTOTYPE 3 No 08	APPROVED:	DATE: SEPTEMBER 2008	PROJECT EXECUTOR COMPANY : MBI SAC MASTER BUILDING INGENIEROS SAC

FACTORS USED TO DETERMINE ANALYSIS	
ZONE FACTOR	2-0.4
SEIL PARAMETER	Seil Type 8.3 TAVES = 0.8
SEILIZED CHARACTERISTICS	Category C1 (Heavy)
COMPLETION OF THE RECONSTRUCTION FOR STRUCTURES	Value of completion summary
FACTOR OF SEISMIC AMPLIFICATION	0-1.6 (TNT)

NOTES
 1- For columns see the drawing of architecture
 2- It will be founded to 1.7 mt. under the natural level of the land. In case that in the foundation depth it is not found a natural level, carry with a false beam to the natural level.
 3- The structural details corresponds to a building with two levels.



BEAM PLANT

BEAM PLANT

ELEVATION COLUMN
 ELEVATION COLUMN
 DETAILS OF KNOTS OF COLUMNS AND BEAMS

SUMMARY OF FOUNDATION CONDITIONS

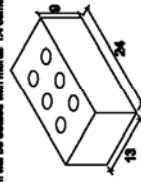
KIND OF FOUNDATION : _____
 RUNNING FOUNDATIONS : _____
 STRATUS OF SUPPORT OF FOUNDATION : _____
 SAND FAMILY DENSE TO DENSE : _____
 DESIGN PARAMETER OF FOUNDATION : _____
 FOUNDATION DEPTH : 0.80 m
 ACCEPTABLE PRESSURE : 0.8 kg/cm² (800 SOIL)
 SECURITY FACTOR BY CUT : 1.2 kg/cm² (REGULAR SOIL)
 TOTAL SETTLEMENT : MAYOR TO 3
 AGGRESSION OF SOIL TO FOUNDATION : 2.04cm.
 FREASO LEVEL : NOT PRESENTS
 NOT DETECTED

Jose Alberto Aguilar
INGENIERO CIVIL
 Reg. del Colegio de Ingenieros N° 82207

GENERAL SPECIFICATIONS

REINFORCED CONCRETE : $f_c = 210 \text{ kg/cm}^2$
 THE BEAM : $f_c = 100 \text{ kg/cm}^2$ (110 + 25% FM)
 SIMPLE CONCRETE : CALIBRADO : $f_c = 100 \text{ kg/cm}^2$ (110 + 25% FM)
 STEEL BAR : $f_y = 4200 \text{ kg/cm}^2$
 BRICK MASONRY : $f_m = 40 \text{ kg/cm}^2$
 $f_b = 130 \text{ kg/cm}^2$
 All the masonry units with the indicated dimensions shown in the drawing. They must be of clay of long-bay type or similar. If they have another they have not to exceed the 25% of the column.
 It will be sealed with mortar 1:4 cement - sand

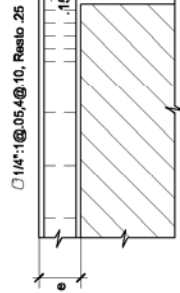
LAND : See summary of foundation conditions
 DESIGN CODES : P.A.C. - N.T.E.-0.00 - N.T.E. 0.70 - N.T.E. 0.80
 COVERINGS :
 COLUMNS : 3.0 cm.
 BEAMS AND SLABS : 3.0 cm.
 REINFORCED SLABS : 2.5 cm.
 FOUNDATIONS : 7.5 cm.
 COATING: Surface of masonry, cement : sand (1:9)



CONNECTIONS		STIRRUPS	
Slabs and Beams L (cm)	Columns L (cm)	IN COLUMNS	IN COLUMNS, BEAMS AND PLATES
14	30		
40	30	The L connections : They will be located in the central field part. It is not recommended to connect more of the 60 % of the framework in a same direction.	
36	40	It is forbidden connections of the superior reinforcement (negative) in a length of 1/4 of light of the slab or beam in each side of the support column	
12	50		
56	60		

$\frac{e}{d}$.15
$\frac{e}{d}$.20

REIMATE DE COLUMNAS



ANCLAJE DE VIGAS SOLERAS

PROJECT : PROVISION OF THE RECONSTRUCTIONS OF SAFER HOUSING RECONSTRUCTIONS STUDY OF SEISMIC RESISTANT HOUSING IN THE REPUBLIC OF PERU

SPECIALITY : TYPICAL DETAILS PROTOTYPE 3

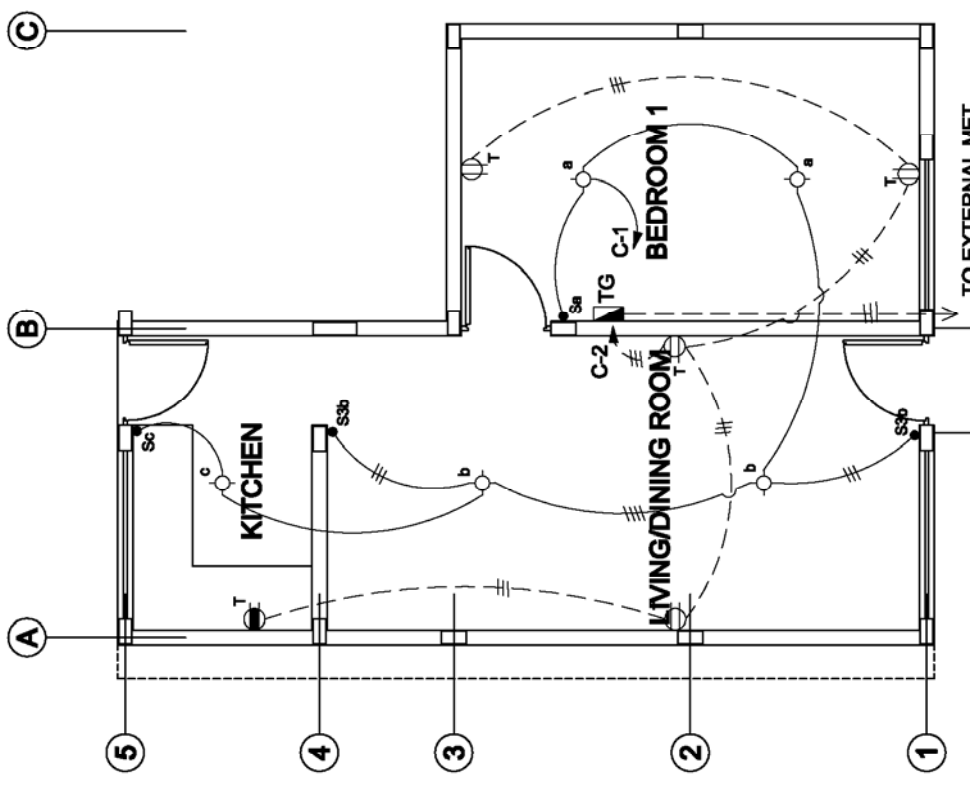
DATE : SEPTEMBER 2008

APPROVED :

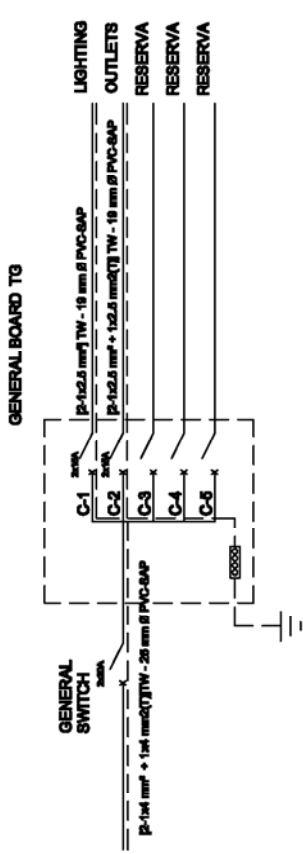
PROJECT EXECUTOR COMPANY : MBI SAC
 MASTER BUILDING INGENIEROS SAC

N° LAMINE : E-09
 PROTOTYPE 3
 No 06





ELECTRICAL INSTALLATIONS
 BHF 8/15400
PROTOTYPE 3
 SCALE 1/75



VOLTAGE TABLE - GENERAL BOARD

DESCRIPTION	P.I.(kw)	F.D.(%)	M.D.(kw)
LIGHTING AND OUTLETS AREA: 41.20M² x 20W/M²	1.08	100	1.08
TOTAL (KW)			1.08

GENERAL LEGEND

SYMBOL	DESCRIPTION	BOXES (mm)	HEIGHT (mm)
⊙	EXIT FOR LIGHTING, ROOF (CENTER OF LIGHT)	OCT. 100x40	ROOF
•S	SIMPLE SINGLE-POLE SWITCH (10A, 20V) ROCKER TYPE	100x50x50	1.20
•S3	SIMPLE COMMUTATION SWITCH (10A, 20V) ROCKER TYPE	100x50x50	1.20
⊕	DOUBLE TWO-POLE OUTLET W/ LINE TO GROUND, 10A - 20V.	100x50x50	0.30/1.10
⊕	LIGHTING GENERAL BOARD, OUTLETS	SPECIAL	1.60 (B.S.)
⊕	AUTOMATIC SWITCH NO FUSE TYPE, THERMOMAGNETIC 10KA, 30V, 80 CB.		
⊕	CIRCUIT FILLED IN THE ROOF OR WALL 2-1x2.5mm.2TW-19 mmØ PVC.		
⊕	CIRCUIT FILLED IN THE FLOOR 2-1x2.5 mm.3 TW-125.5 mm2 (T) TW - 19 mmØ PVC. FOR OUTLETS		
⊕	LINE WITH 3 - 1 x 2.5 mm.2 TW - 19 mmØ PVC.		
⊕	LINE WITH 4 - 1 x 2.5 mm.2 TW - 19 mmØ PVC.		

Carlos Armijo
Carlos Armijo Cantu Pajuelo
 INGENIERO ELECTRICISTA
 Reg. del Colegio de Ingenieros N° 56624

PROJECT : PROVISION OF THE RECONSTRUCTIONS OF SAFER HOUSING
 RECONSTRUCTIONS STUDY OF SEISMIC RESISTANT HOUSING IN THE REPUBLIC OF PERÚ

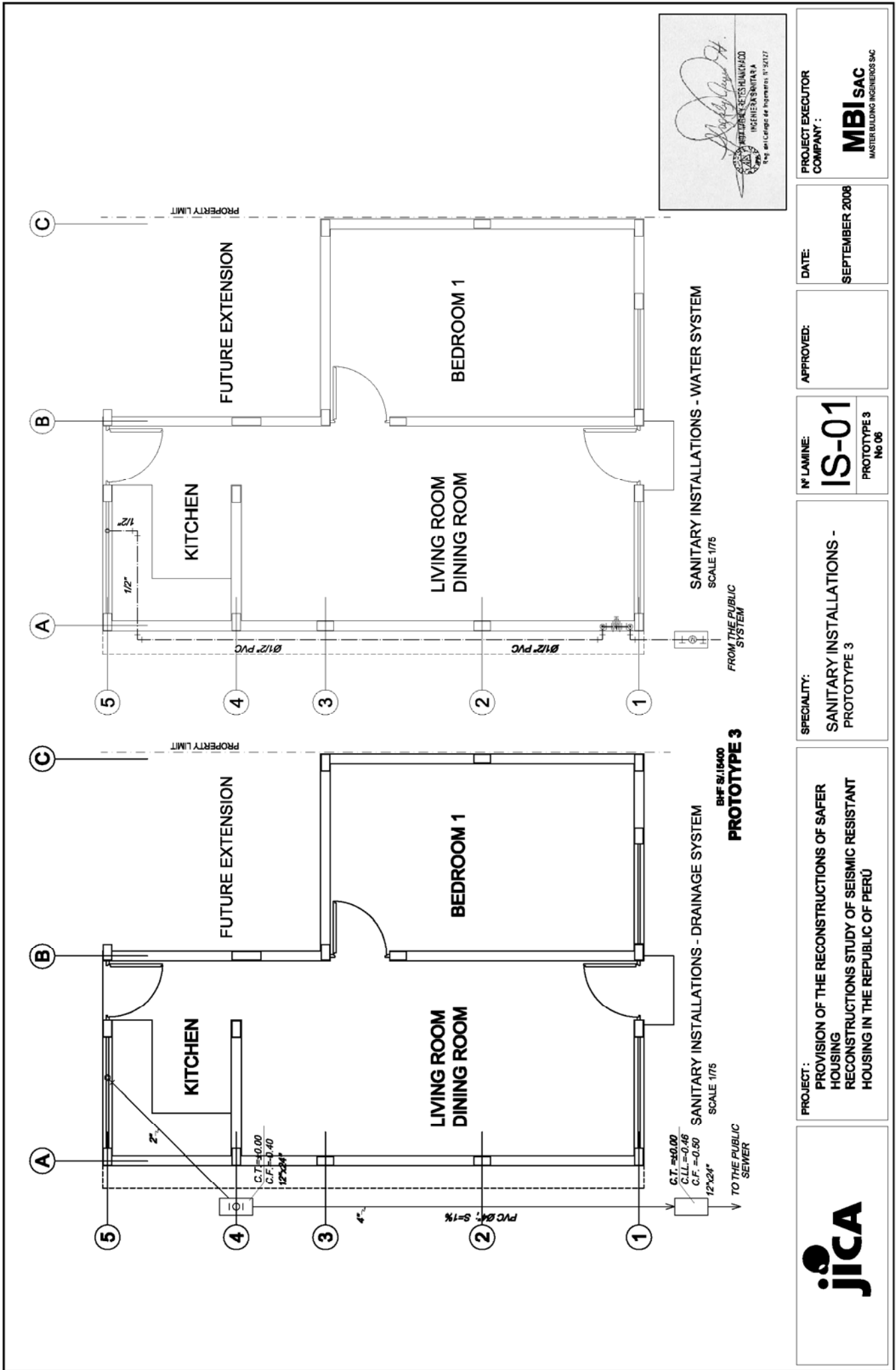
SPECIALITY : ELECTRICAL INSTALLATIONS - PROTOTYPE 3

N° LAMINE : **IE-01**
 PROTOTYPE 3
 No 06

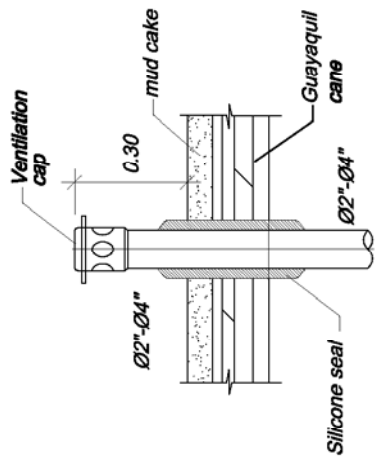
APPROVED :

DATE : SEPTEMBER 2008

PROJECT EXECUTOR COMPANY : **MBI SAC**
 MASTER BUILDING INGENIEROS SAC



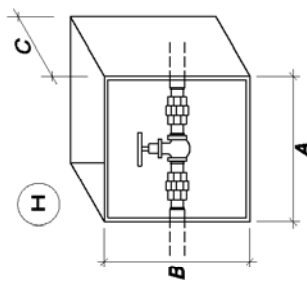
PROJECT EXECUTOR COMPANY: MBI SAC <small>MASTERCOR BUILDING INGENIEROS SAC</small>	DATE: SEPTEMBER 2008
	APPROVED:
N° LAMINE: IS-01 <small>PROTOTYPE 3 No 06</small>	SPECIALITY: SANITARY INSTALLATIONS - PROTOTYPE 3
PROJECT: PROVISION OF THE RECONSTRUCTIONS OF SAFER HOUSING RECONSTRUCTIONS STUDY OF SEISMIC RESISTANT HOUSING IN THE REPUBLIC OF PERÚ	



EXIT OF SANITARY VENTILATION

IN THE ROOF
WITHOUT SCALE

□	A	B	C
(H)	20	15	7
(V)	15	20	7

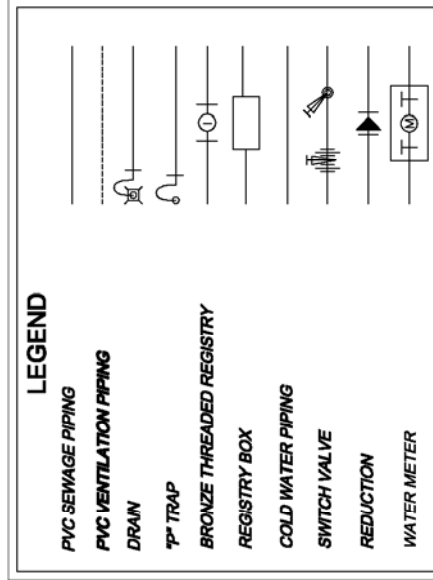


DETAIL : LOCK GATE VALVES

SIN ESCALA

TECHNICAL SPECIFICATIONS

- 1.-THE COLD WATER PIPING WILL BE OF PVC FOR PRESSURE FLUID OF TYPE 10 Kg/cm²
- 2.-THE DRAINAGE PIPING WILL BE OF PVC - AVERAGE PRESSURE
- 3.-THE EXITS FOR SANITARY FITTINGS WILL BE OF GALVANIZED STEEL OF Ø1/2"
- 4.-THE VENTILATION PIPING WILL BE OF PVC - AVERAGE PRESSURE
- 5.-THE LOCKGATE VALVES WILL HAVE TWO UNIVERSAL JOINTS AND WILL BE IN HOLES AT THE WALL WITH FRAME AND COVER MADE OF WOOD.
- 6.-THE VENTILATION WILL FINISH IN A VENTILATION CAP TO + .30 S.N.T.
- 7.-THE WATER PIPING SYSTEM WITHOUT INDICATION WILL BE OF Ø1/2", OF THE PERTINENT MATERIAL
- 8.-THE DRAINAGE PIPING WITHOUT INDICATION WILL BE OF Ø 2", OF THE PERTINENT MATERIAL.



<p>PROJECT : PROVISION OF THE RECONSTRUCTIONS OF SAFER HOUSING RECONSTRUCTIONS STUDY OF SEISMIC RESISTANT HOUSING IN THE REPUBLIC OF PERU</p>	<p>SPECIALITY : GENERAL DETAILS - PROTOTYPE 3</p>	<p>N° LAMINE : IS-02 PROTOTYPE 3 No 06</p>	<p>APPROVED :</p>
<p>PROJECT EXECUTOR COMPANY : MBI SAC MASTER BUILDING INGENIEROS SAC</p>		<p>DATE : SEPTEMBER 2008</p>	<p>PROJECT : PROVISION OF THE RECONSTRUCTIONS OF SAFER HOUSING RECONSTRUCTIONS STUDY OF SEISMIC RESISTANT HOUSING IN THE REPUBLIC OF PERU</p>

