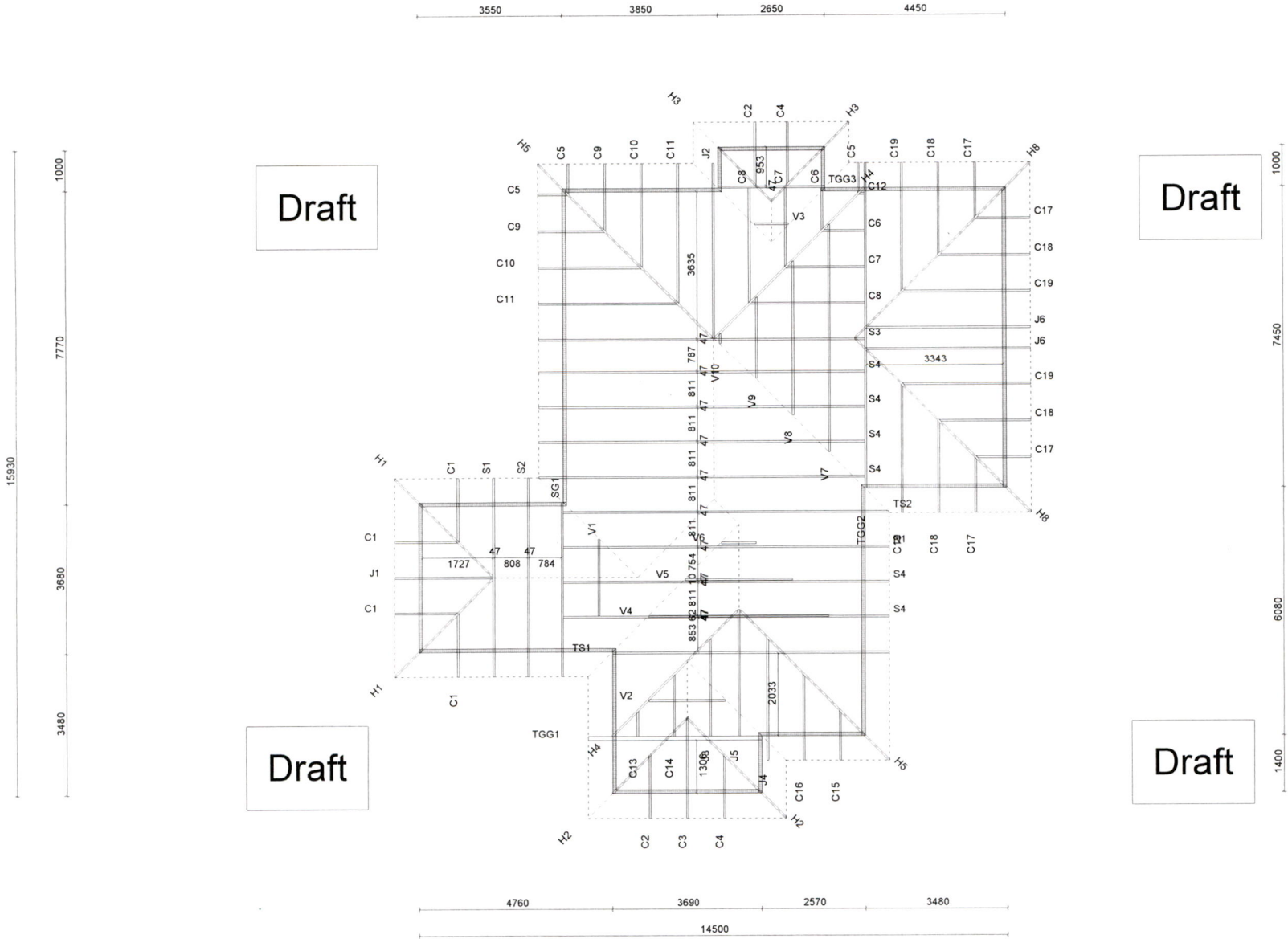




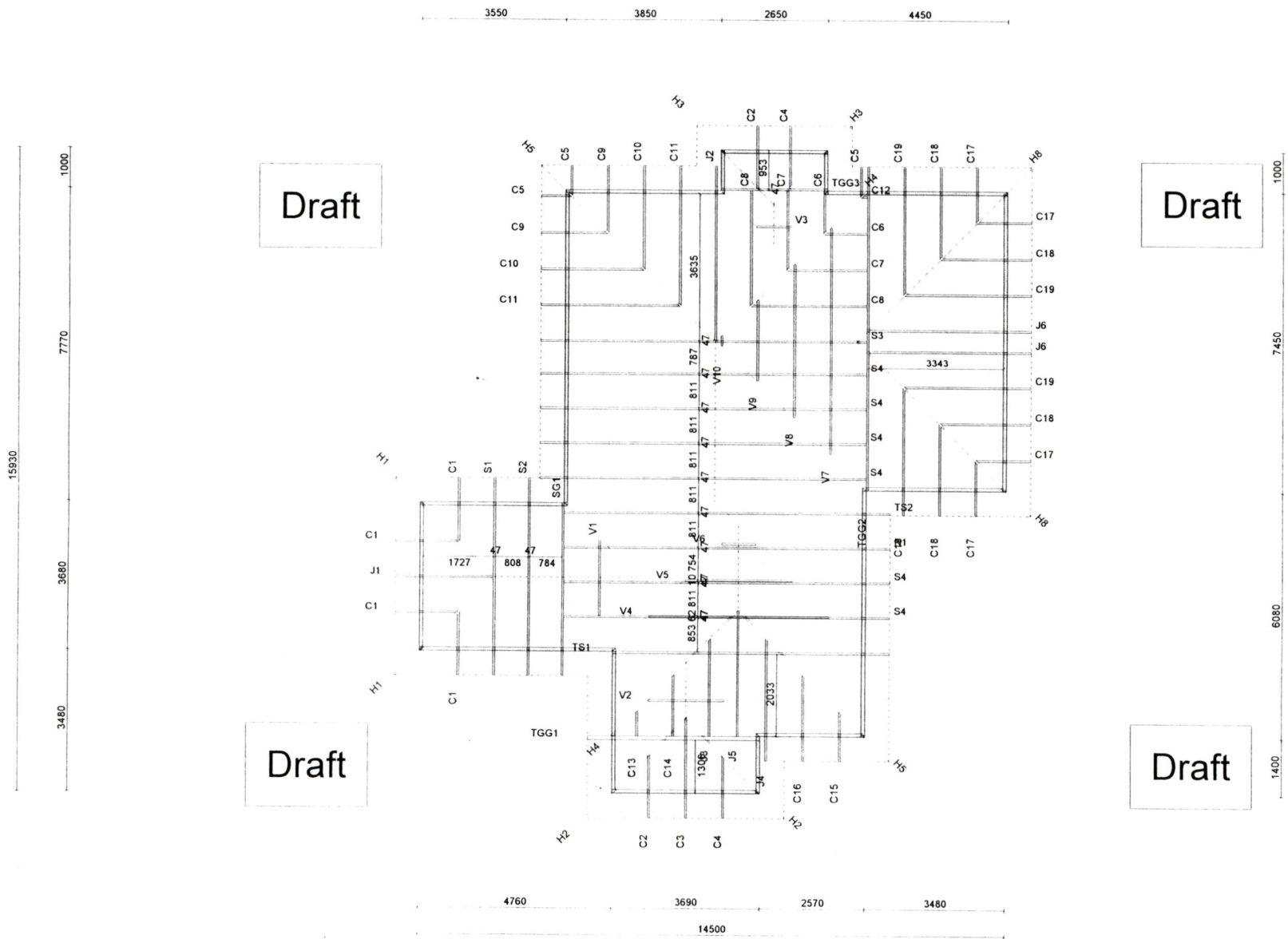
Level 1



Customer : Cambria Commercial
Site Address: Pallett-Frame House
: Pohangina Valley Road East

Roofing: Metal Tile
Pitch : 18.00 deg
Spacing: 900 mm
Design Wind Velocity: 60.88 m/s (Ult.)
Detailer: Brian

Job Ref: 5231
Scale 1:150
(on: A4)
Page 1 of 1



Level 1

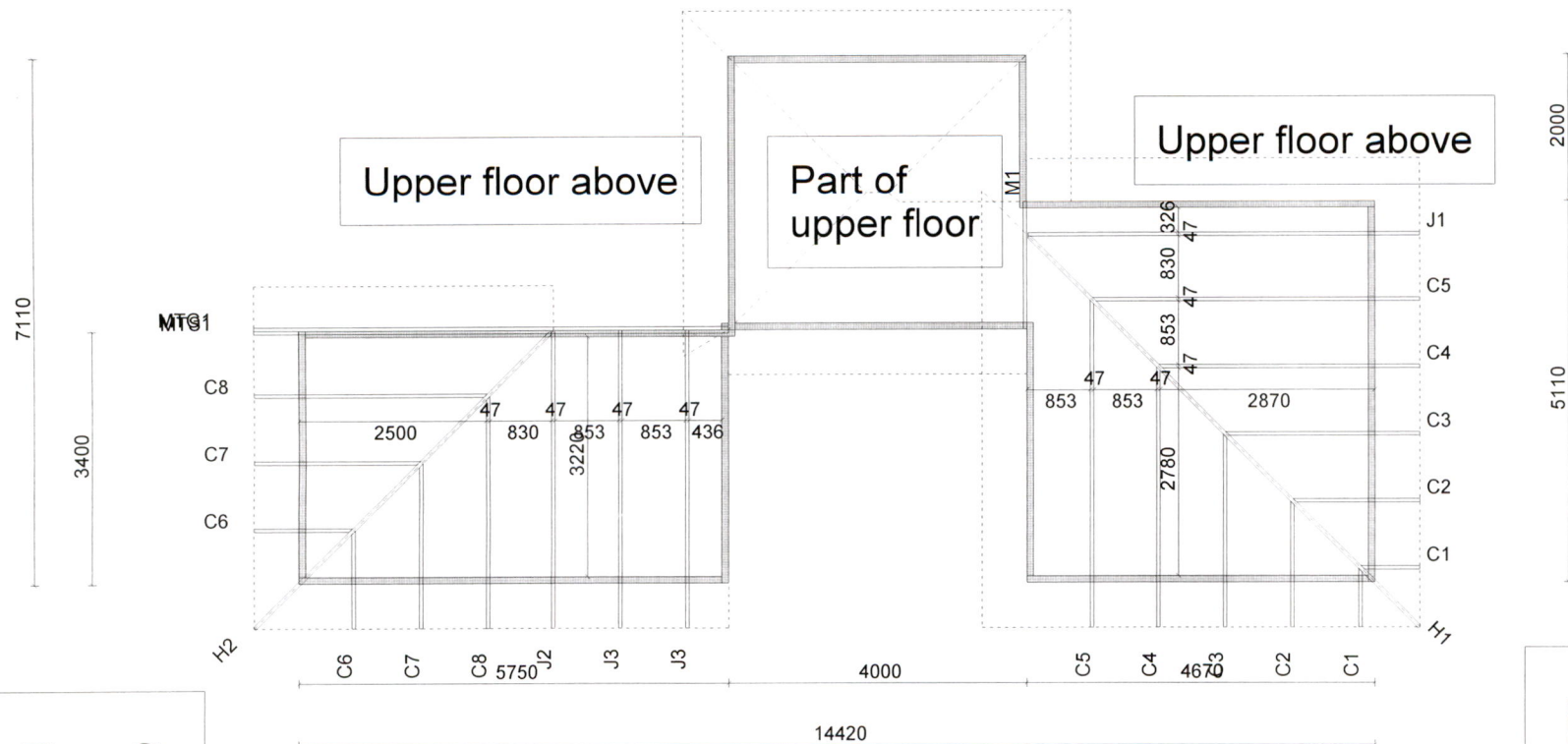
ryda
roof
roof frame design

Customer : Cambria Commercial
Site Address: Pallett-Frame House
: Pohangina Valley Road East

Roofing: Metal Tile
Pitch : 18.00 deg
Spacing: 900 mm
Design Wind Velocity: 60.88 m/s (Ult.)
Detailer: Brian

Job Ref: 5231
Scale 1:150
(on: A4)
Page 1 of 1

Draft



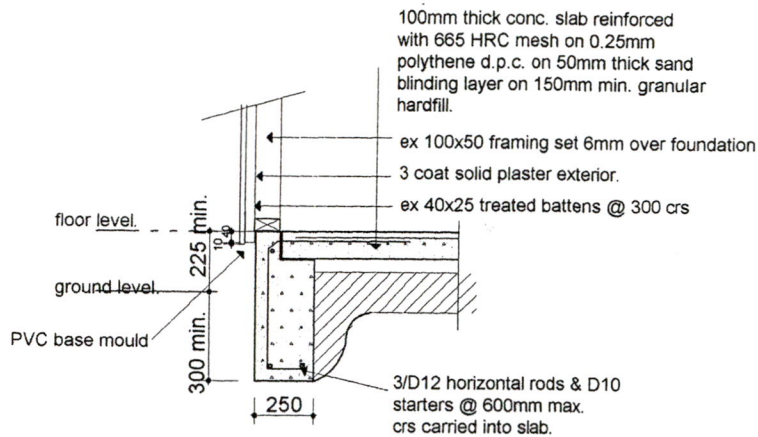
Draft

Draft

Customer : Cambria Commercial
Site Address: Pallet - Frame Ground Floor
: Pohangina Valley Road East

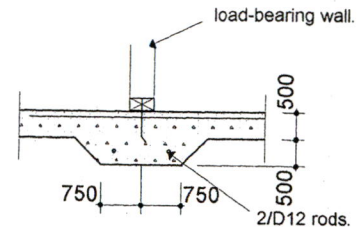
Roofing: Metal Tile
Pitch : 18.00 deg
Spacing: 900 mm
Design Wind Velocity: 56.86 m/s (Ult.)
Detailer: Brian

Job Ref: 5231A
Scale 1:100
(on: A4)
Page 1 of 1



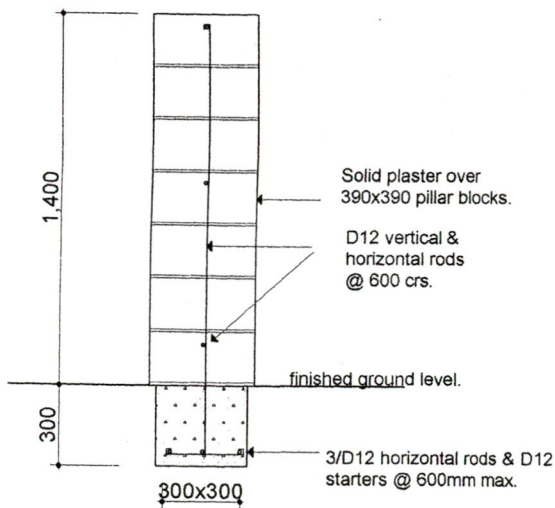
foundation detail.

SCALE 1:20.



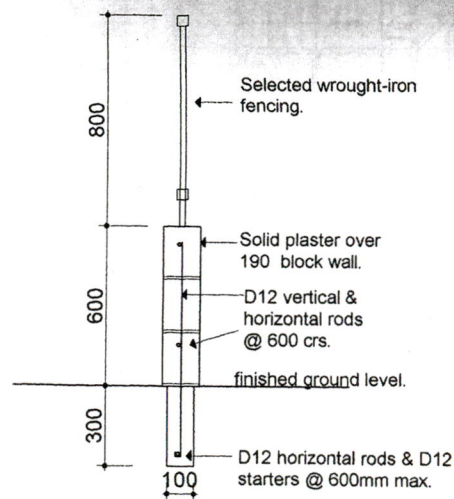
slab thickening detail

SCALE 1:20.



post footing detail.

SCALE 1:20.



site wall detail

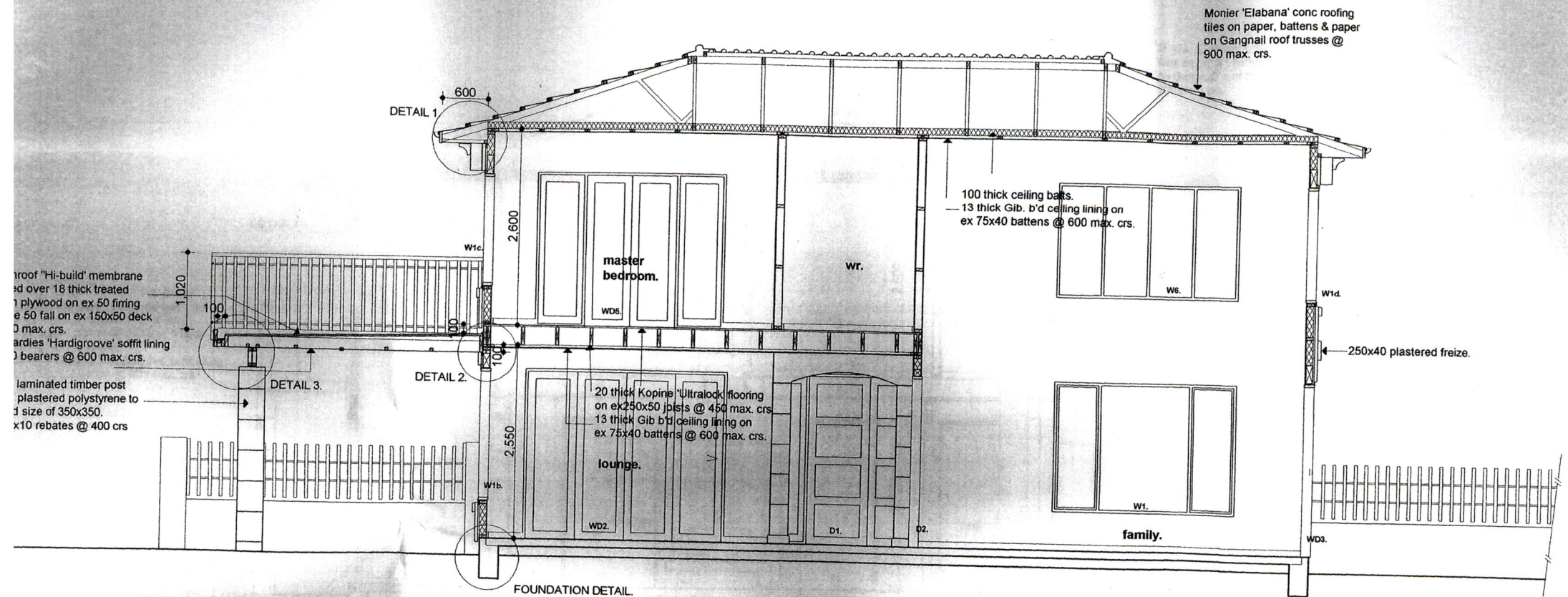
SCALE 1:20.

3.
SHEET
of 14 sheets
PALLET-FRAME HOUSE

FIRST FLOOR LINTON HOUSE
6 LINTON STREET
PO BOX 4143
PALMERSTON NORTH

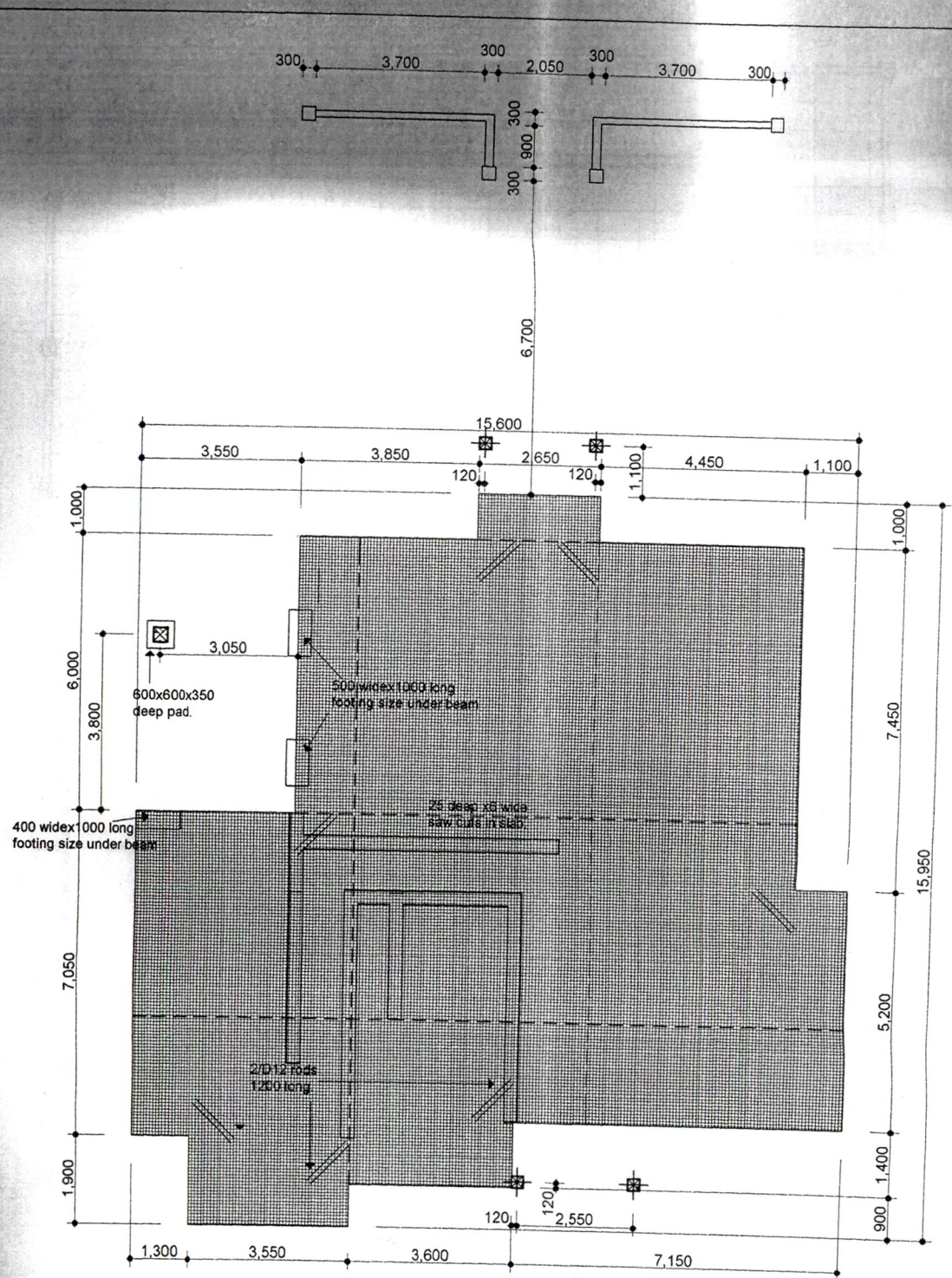
bba
bruce barry
ARCHITECTS LTD.

06 356 5946 06 359 1841
021 365 916 bruce@bba.net



section a-a.

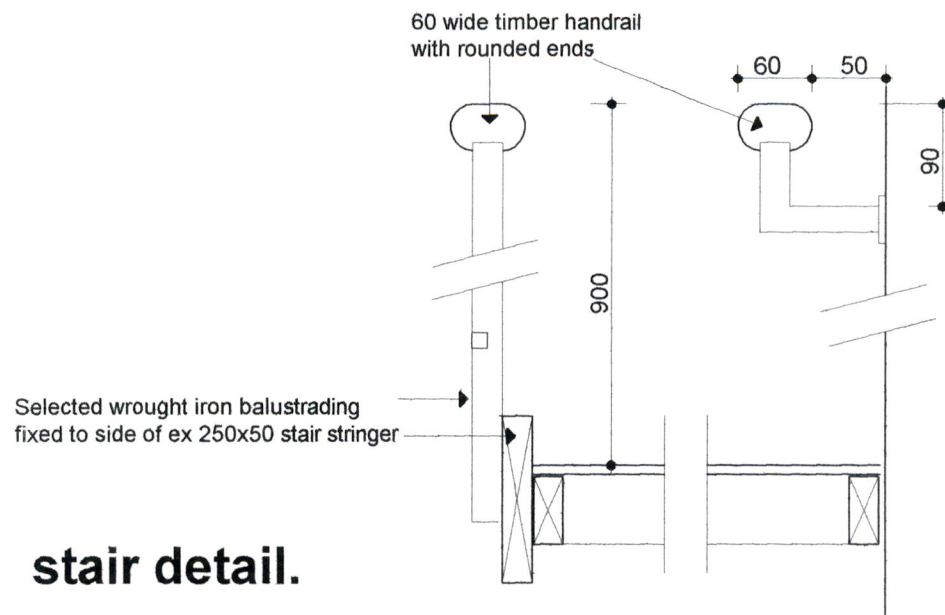
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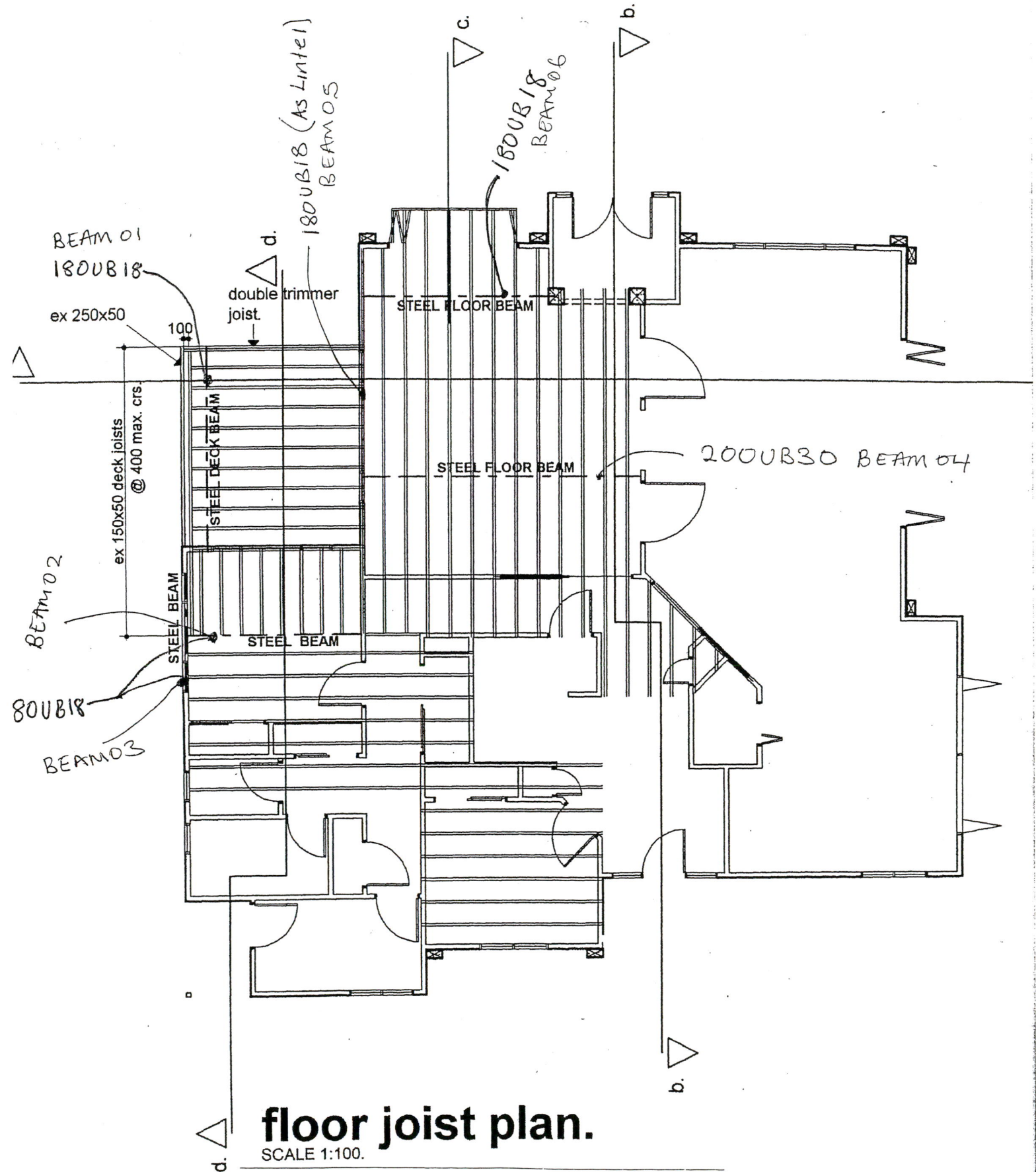


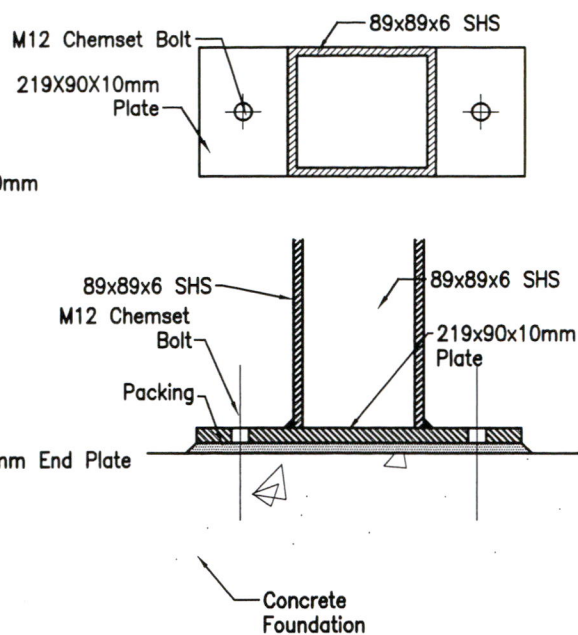
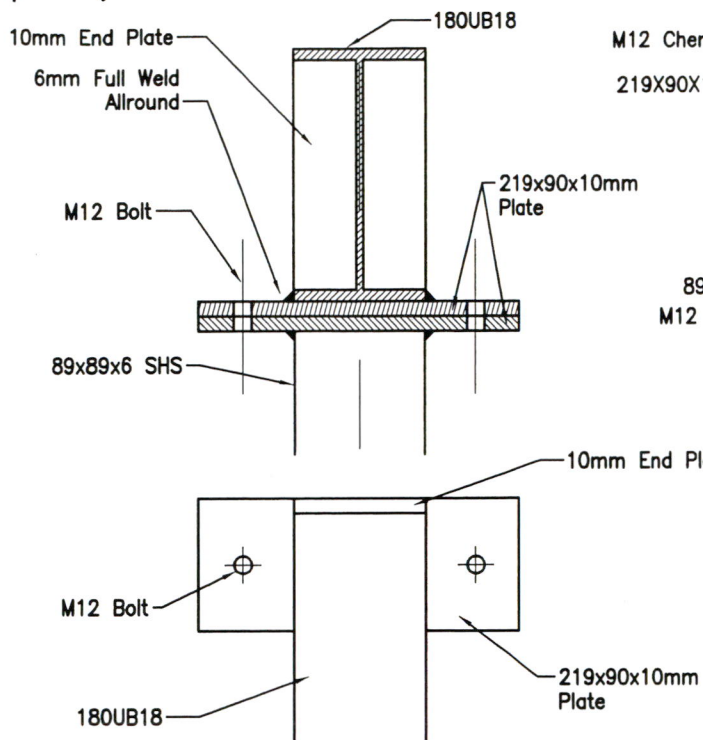
foundation plan.

SCALE 1:100.

NOTE:
The Main Contractor MUST confirm the bearing capacity of the soil PRIOR to forming any boxing.
Floor slab drawn shaded.

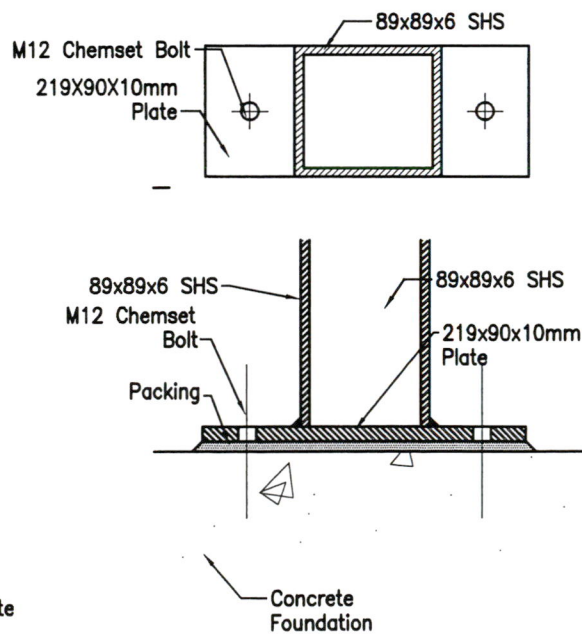
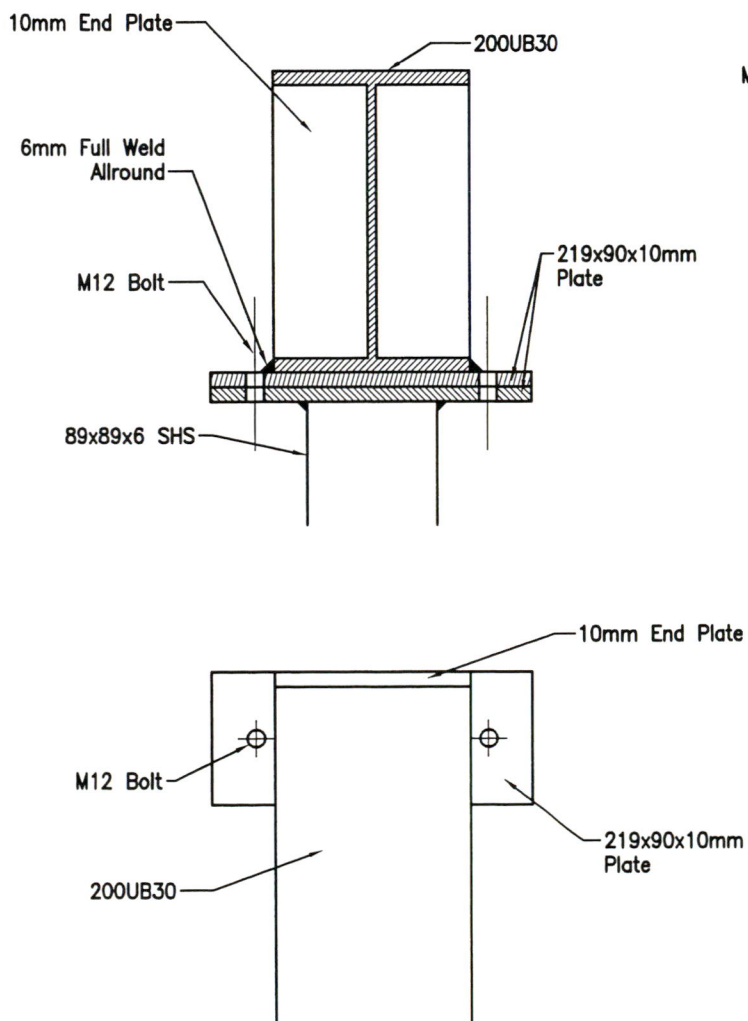






BASE CONNECTION

BEAM(180UB18)-COLUMN JOINT



BASE CONNECTION

BEAM(200UB30)-COLUMN JOINT

10652

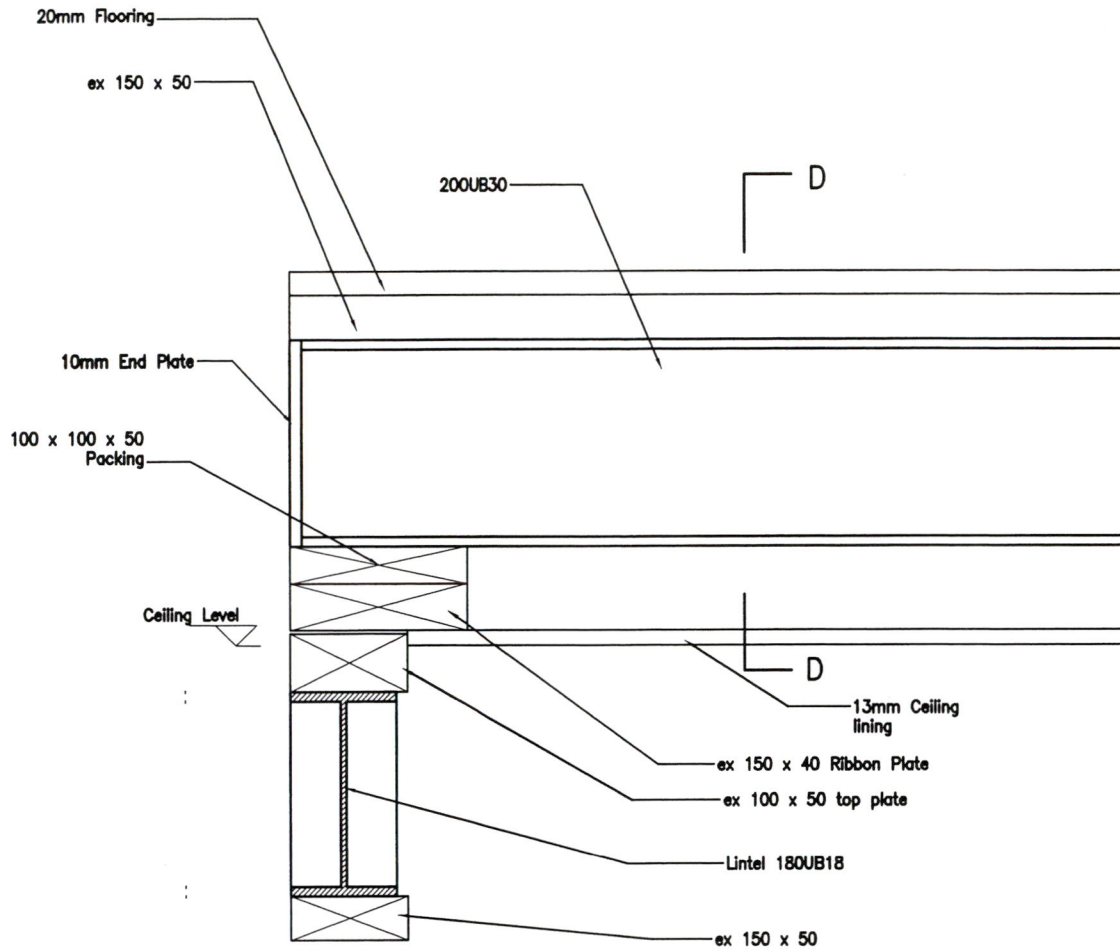
11/05

Page 23

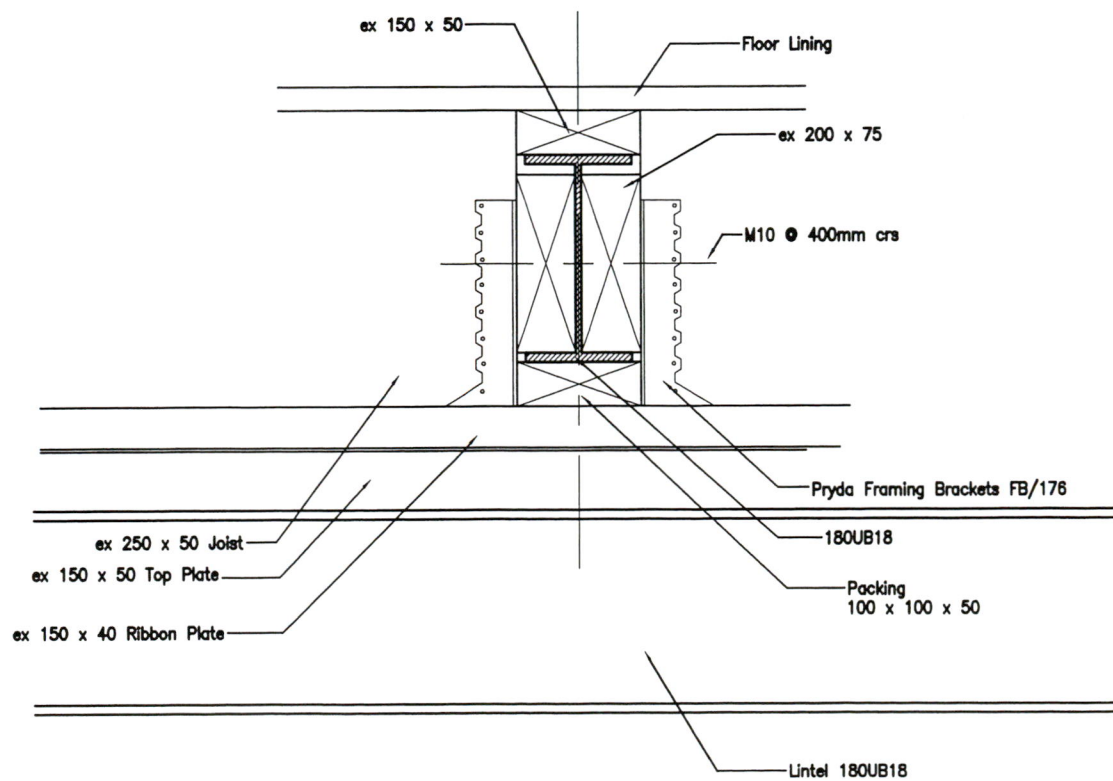
Pallet-Frame BBA

FLOOR BEAM – LINTEL CONNECTION

Beam 02 – Beam 03



FLOOR BEAM (200UB30) – LINTEL (180UB18) JOINT



SECTION D-D

10652

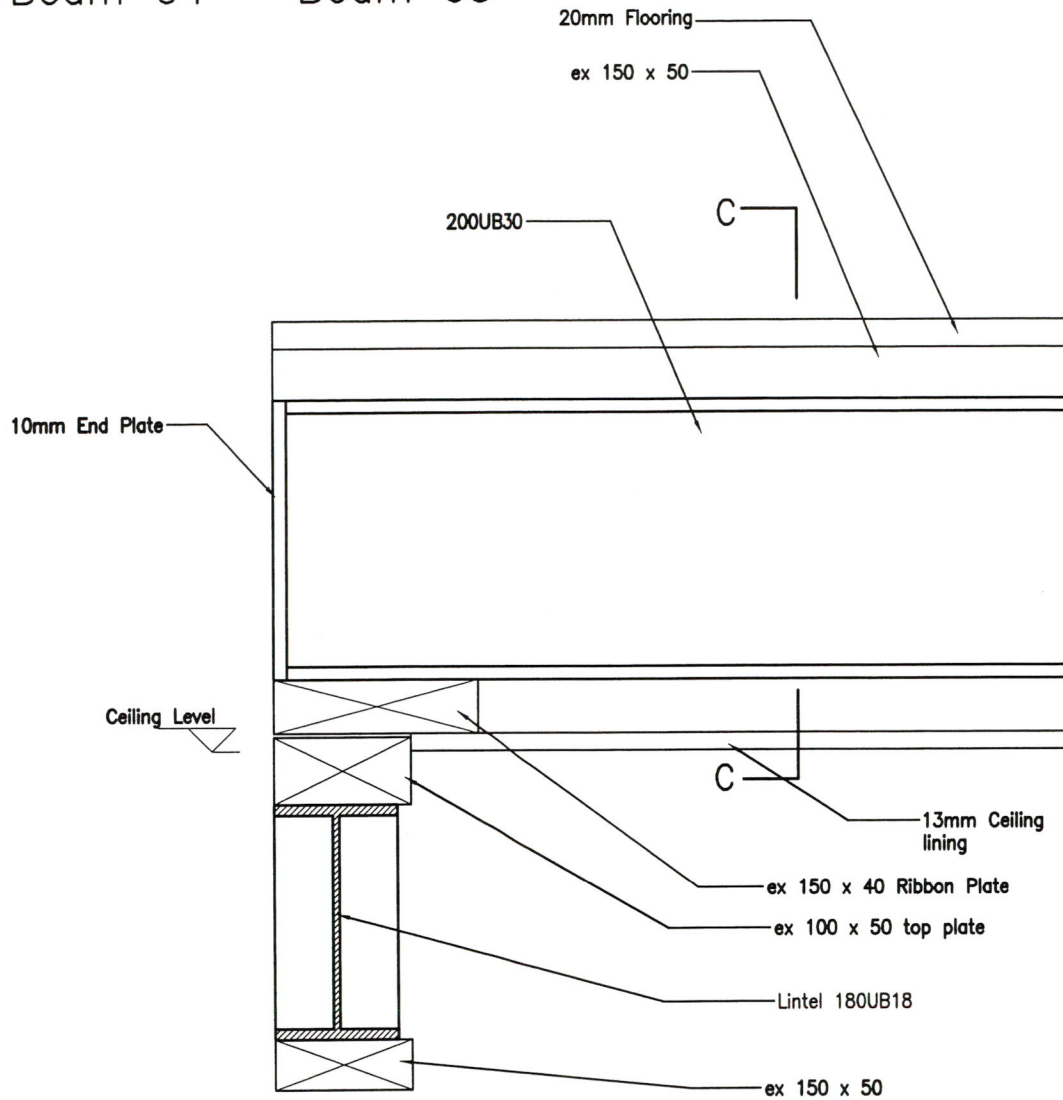
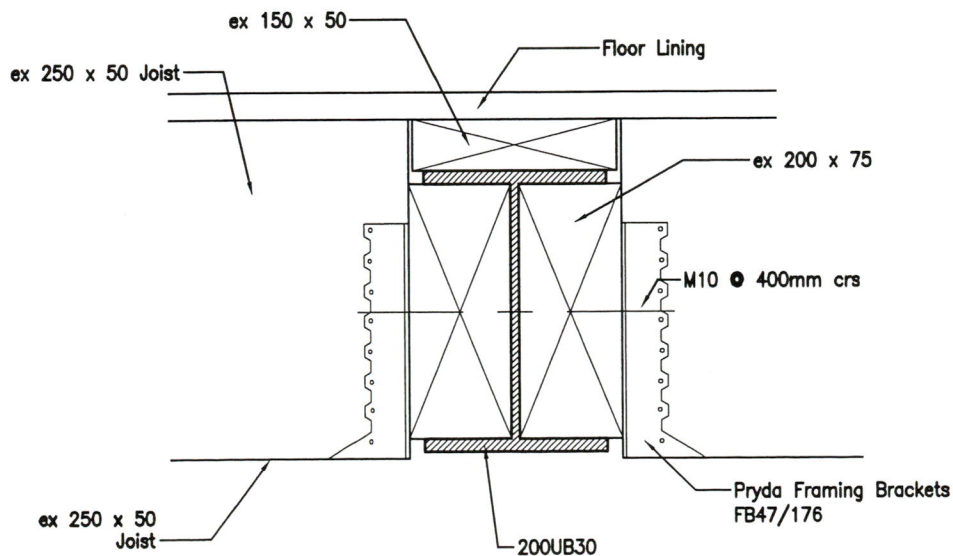
11/05

Page 24

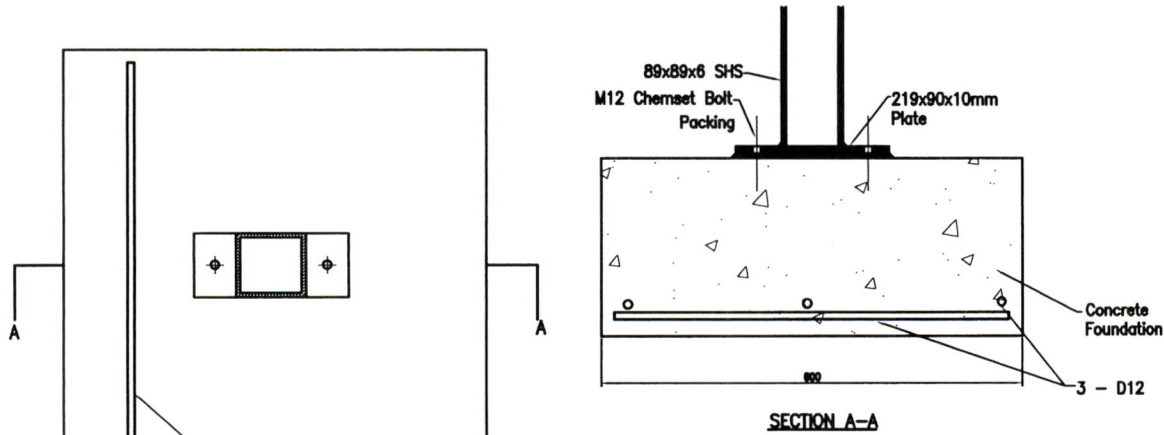
Pallet-Frame BBA

FLOOR BEAM – LINTEL CONNECTION

Beam 04 – Beam 05

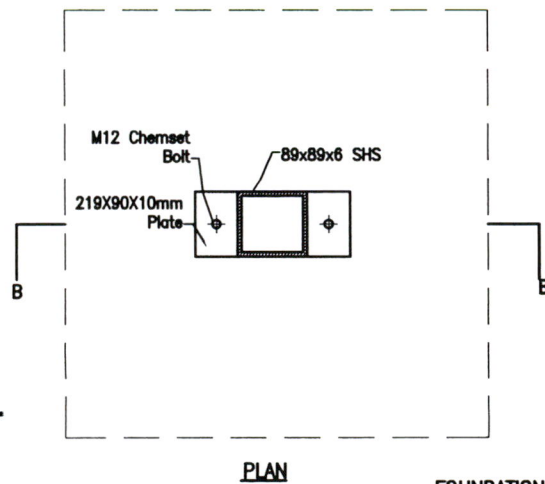
FLOOR BEAM (200UB30) – LINTEL (180UB18) JOINTSECTION C-C

FOUNDATIONS



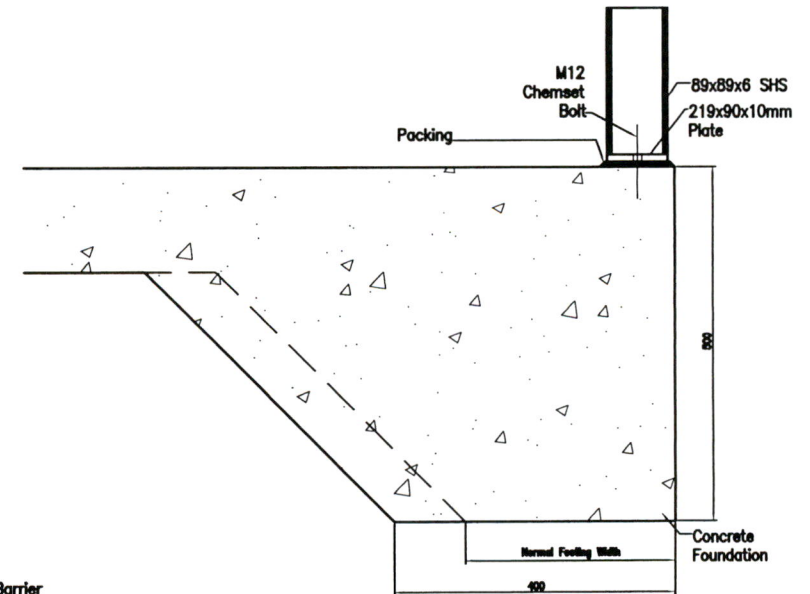
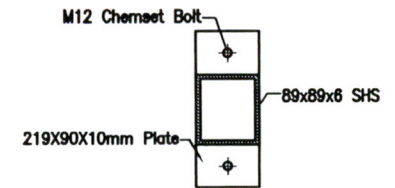
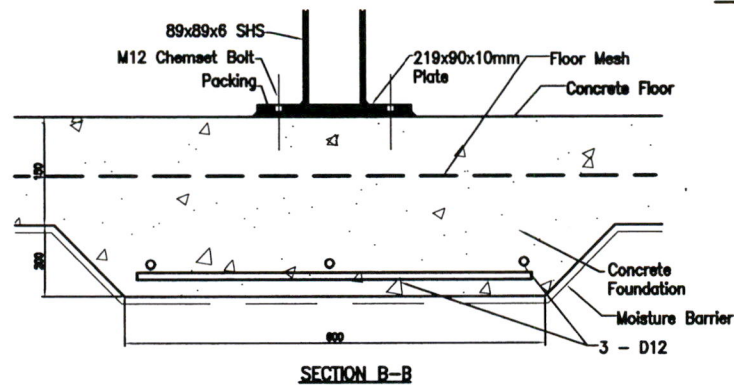
FOUNDATION PAD FOR ISOLATED DECK COLUMN

Concrete Pad - 600 x 600 x 350mm



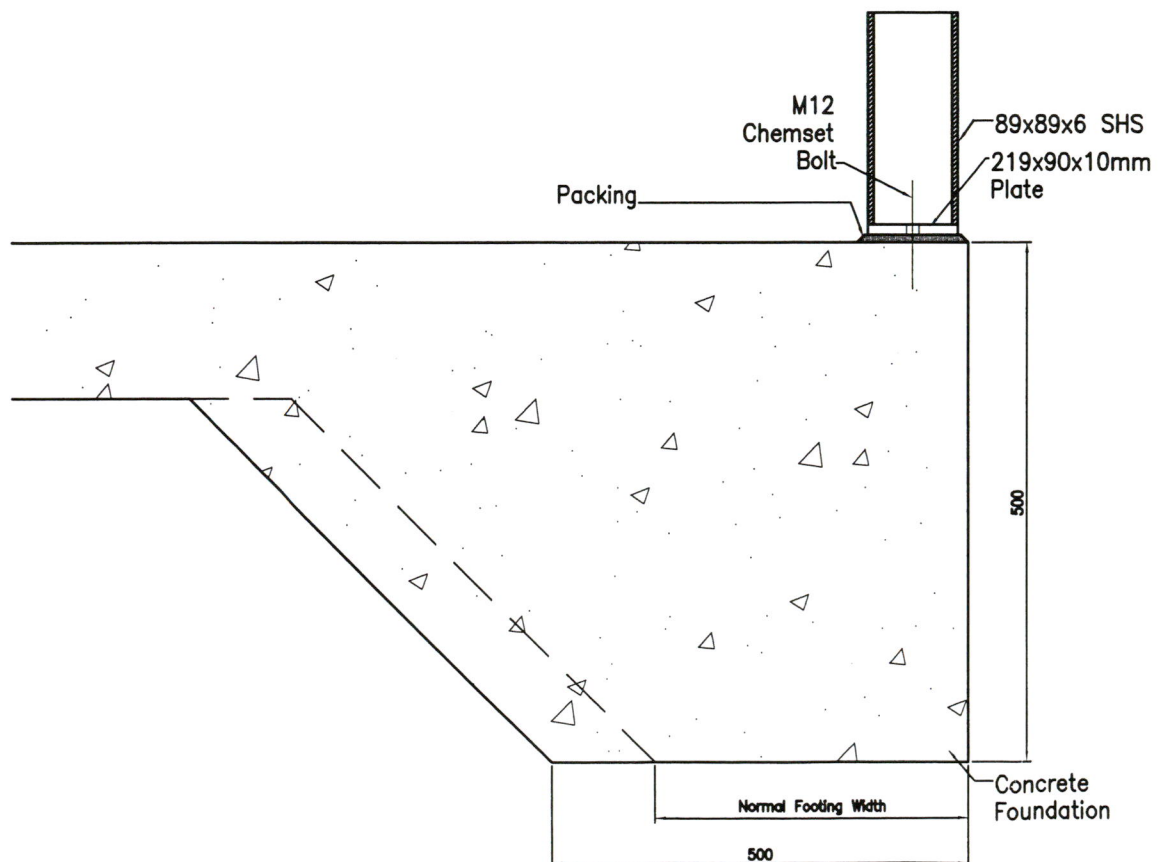
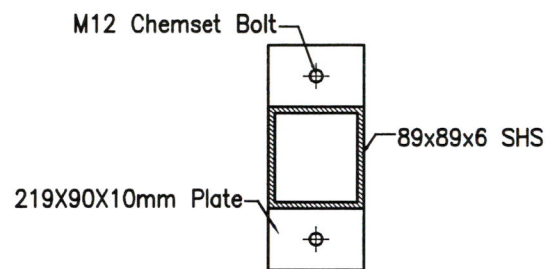
FOUNDATION PAD FOR COLUMN ON INTERNAL WALL

Concrete Pad - 600 x 600 x 350mm



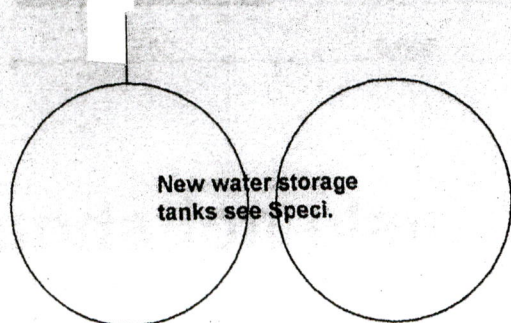
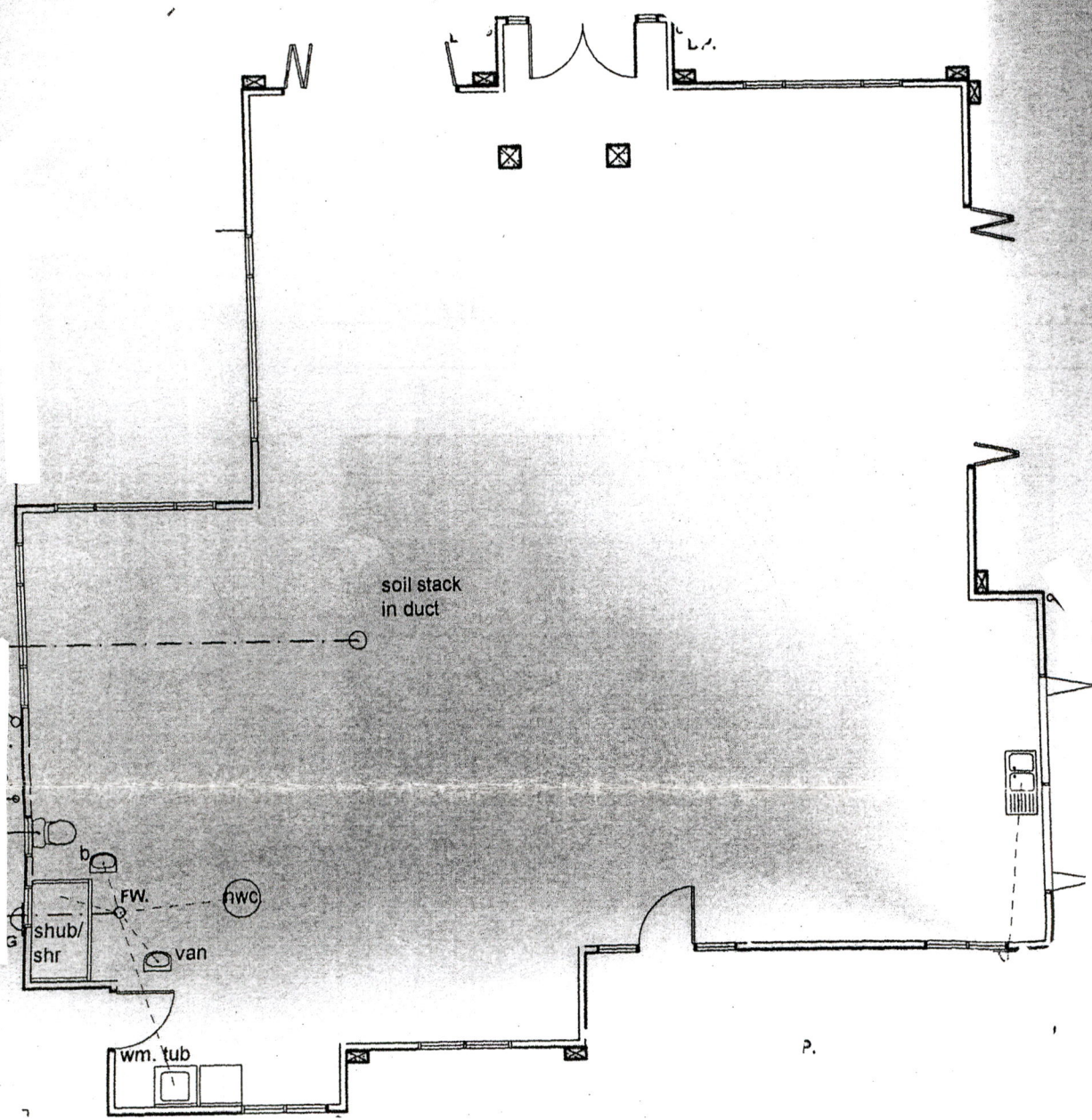
Foundation on External Wall increased to 400mm for 0.5m past the Column

FOUNDATION FOR COLUMNS ON BEAM 05



FOUNDATION FOR COLUMN ALONG EXTERNAL WALL

Foundation on External Wall increased to 500mm for 0.5m past the Column



ground floor services plan.

SCALE 1:100.

NOTES:

DP. indicates 75mm diam. downpipe.

TV. indicates terminal vent.

GT. indicates gully trap.

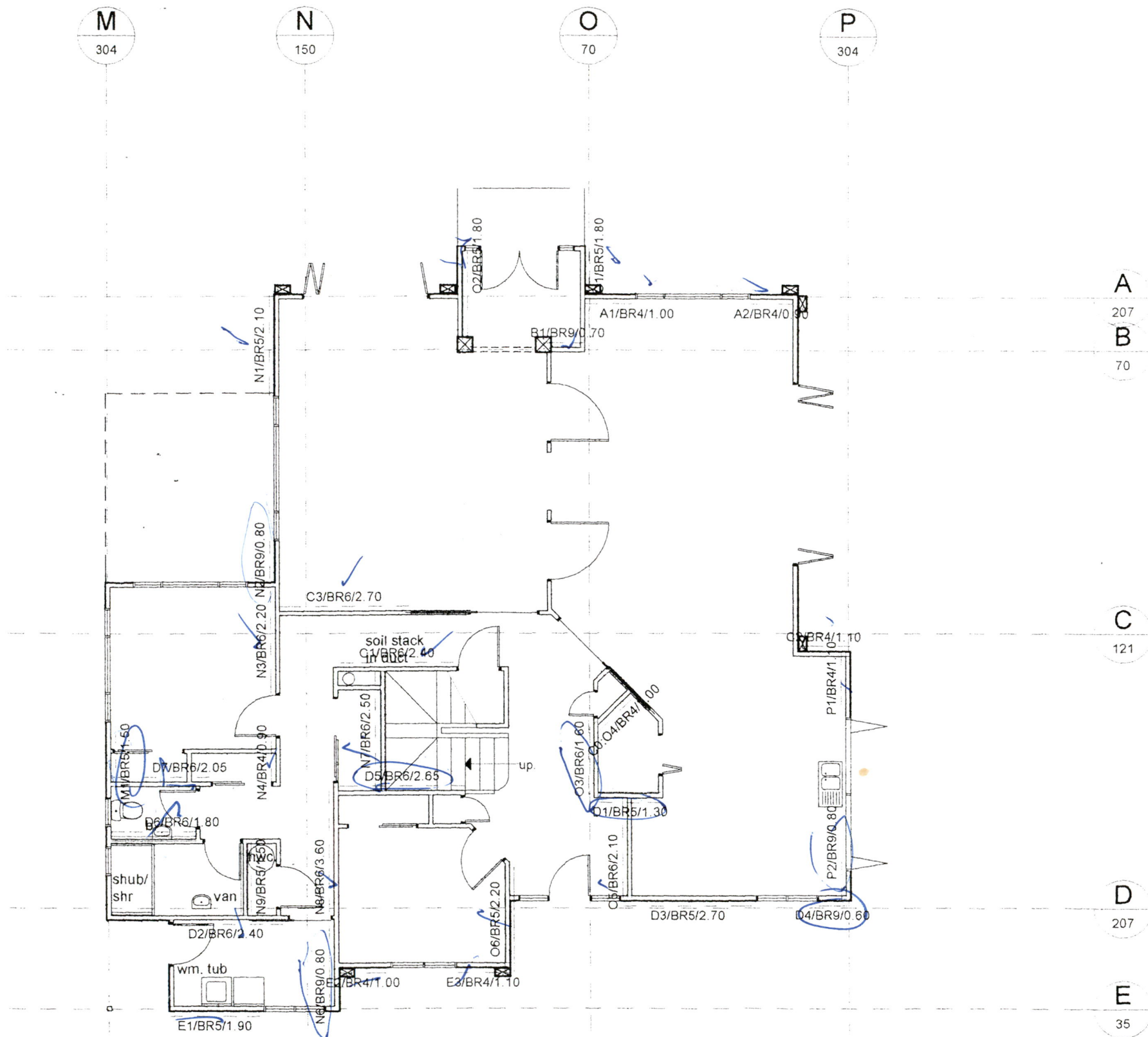
IB. indicates inspection bend.

IJ. indicates inspection junction.

SS. indicates soil stack.

--- indicates 110mm diam uPVC sewer drain.

- - - indicates 90mm diam uPVC stormwater drain.



BR6/2.4

Indicates bracing element of type BR6 & length 2.4 meters.
All bracing elements MUST be fixed in strict accordance with NZS3604.

ground floor bracing plan.

BRACING CALCULATIONS											
Building Height to Apex		7.0 m		Location of Storey		Lower of Two					
Roof Height Above Eaves		2.0 m		Floor Load		2kPa					
Stud Height		3.0 m		Roof Weight		Heavy					
Roof Pitch		0 - 25 °		Cladding Weights							
Hip Roof		No		- Subfloor		Concrete Floor					
Building Length (BL)		16.0 m		- Lower Floor		Medium					
Building Width (BW)		15.6 m		- Upper Floor		Medium					
Wind Zone		High		Room in Roof Space		No					
W along		139 BUs/m		Gross Plan Area (GPA)		175.0 m2					
W across		130 BUs/m		Earthquake Zone		A					
W along x BW		2,168.4 BUs		EQ		15.6 BUs/m2					
W across x BL		2,073.5 BUs		EQ x GPA		2,730.0 BUs					
ALONG											
Bracing Line		Bracing Elements Provided						Wind		Earthquake	
Line	Min BUs	Brace	Brace	Brace	Brace	Brace	Rating	BUs	Rating	BUs	
Label	Required	No.	Type	Length	Angle	Height	BUs/m	Achieved	BUs/m	Achieved	
A	207	A1	BR4	1.0	0.0	2.5	100	98.0	85	83.3	
		A2	BR4	0.9	0.0	2.5	100	88.2	85	74.9	
B	70	B1	BR9	0.7	0.0	2.5	110	75.4	95	65.1	
C	120	C0	BR4	1.0	45.0	2.5	100	69.3	85	58.9	
		C1	BR6	2.4	0.0	2.5	150	352.7	110	258.6	
		C2	BR4	1.1	0.0	2.6	100	101.5	85	86.3	
		C3	BR6	2.7	0.0	2.5	150	396.7	110	290.9	
D	207	D1	BR5	1.3	0.0	2.5	115	146.4	85	108.2	
		D2	BR6	2.4	0.0	2.5	150	352.7	110	258.6	
		D3	BR5	2.7	0.0	2.5	115	304.2	85	224.8	
		D4	BR9	0.6	0.0	2.5	110	64.7	95	55.8	
		D5	BR6	2.7	0.0	2.5	150	389.4	110	285.6	
		D6	BR6	1.8	0.0	2.5	150	264.5	110	194.0	
E	35	D7	BR6	2.1	0.0	2.5	150	301.2	110	220.9	
		E1	BR5	1.9	0.0	2.5	115	214.0	85	158.2	
		E2	BR4	1.0	0.0	2.5	100	98.0	85	83.3	
		E3	BR4	1.1	0.0	2.5	100	107.8	85	91.6	
BRACELINE REQUIREMENTS				Totals Achieved			W	3,611.9	E	2,745.2	
UNACHIEVED				Totals Required			W	2,168.4	E	2,730.0	
ACROSS											
Bracing Line		Bracing Elements Provided						Wind		Earthquake	
Line	Min BUs	Brace	Brace	Brace	Brace	Brace	Rating	BUs	Rating	BUs	
Label	Required	No.	Type	Length	Angle	Height	BUs/m	Achieved	BUs/m	Achieved	
M	303	M1	BR5	1.5	0.0	2.5	115	169.0	85	124.9	
N	149	N1	BR5	2.1	0.0	2.5	115	236.6	85	174.9	
		N2	BR9	0.8	0.0	2.5	110	86.2	95	74.4	
		N3	BR6	2.2	0.0	2.5	150	323.3	110	237.1	
		N4	BR4	0.9	0.0	2.5	100	88.2	85	74.9	
		N6	BR9	0.8	0.0	2.6	110	81.2	95	70.2	
		N7	BR6	2.5	0.0	2.5	150	367.3	110	269.4	
		N8	BR6	3.6	0.0	2.5	150	529.0	110	387.9	
		N9	BR5	1.5	0.0	2.5	115	169.0	85	124.9	
O	70	O1	BR5	1.8	0.0	2.5	115	202.8	85	149.9	
		O2	BR5	1.8	0.0	2.5	115	202.8	85	149.9	
		O3	BR6	1.6	0.0	2.5	150	235.1	110	172.4	
		O4	BR4	1.0	45.0	2.5	100	69.3	85	58.9	
		O5	BR6	2.1	0.0	2.5	150	308.6	110	226.3	
		O6	BR5	2.2	0.0	2.5	115	247.8	85	183.2	
P	303	P1	BR4	1.1	0.0	2.5	100	107.8	85	91.6	
		P2	BR9	0.8	0.0	2.5	110	86.2	95	74.4	
BRACELINE REQUIREMENTS				Totals Achieved			W	3,698.4	E	2,791.1	
UNACHIEVED				Totals Required			W	2,073.5	E	2,730.0	

BRACING CALCULATIONS

Building Height to Apex	7.0 m	Location of Storey	Upper of Two
Roof Height Above Eaves	2.0 m	Floor Load	2kPa
Stud Height	3.0 m	Roof Weight	Heavy
Roof Pitch	0 - 25 °	Cladding Weights:	
Hip Roof	No	- Subfloor	Concrete Floor
Building Length (BL)	16.4 m	- Lower Floor	Medium
Building Width (BW)	14.5 m	- Upper Floor	Medium
Wind Zone	High	Room in Roof Space	No
W along	73 BUS/m	Gross Plan Area (GPA)	84.0 m ²
W across	63 BUS/m	Earthquake Zone	A
W along x BW	1.058.5 BUS	EQ	9.9 BUS/m ²
W across x BL	1.030.1 BUS	EQ x GPA	831.6 BUS

ALONG

Bracing Line		Bracing Elements Provided					Wind		Earthquake	
Line	Min BUs	Brace	Brace	Brace	Brace	Brace	Rating	BUs	Rating	BUs
Lable	Required	No.	Type	Length	Angle	Height	BUs/m	Achieved	BUs/m	Achieved
A	26	A1	BR4	1.0	0.0	1.5	55	88.0	85	136.0
		A2	BR9	0.7	0.0	1.5	110	118.8	95	102.6
		A3	BR9	0.7	0.0	1.5	110	118.8	95	102.6
		A4	BR6	2.6	0.0	1.5	150	624.0	110	457.6
B	70	B1	BR9	0.7	0.0	2.4	110	77.0	95	66.5
C	144	C1	BR9	0.8	0.0	2.4	110	88.0	95	76.0
		C2	GIB1	3.0	0.0	2.4	75	225.0	50	150.0
		C3	BR6	1.8	0.0	2.4	150	270.0	110	198.0
		C4	GIB3	2.5	0.0	2.4	65	162.5	60	150.0
D	144	D1	BR4	1.1	0.0	2.4	100	110.0	85	93.5
		D2	GIB1	2.8	0.0	1.5	75	336.0	50	224.0

BRACELINE REQUIREMENTS	Totals Achieved	W	1,434.7	E	1,133.5
UNACHIEVED	Totals Required	W	1,058.5	E	831.6

ACROSS

Bracing Line		Bracing Elements Provided					Wind		Earthquake	
Line Label	Min BUs Required	Brace No.	Brace Type	Brace Length	Brace Angle	Brace Height	Rating BUs/m	BUs Achieved	Rating BUs/m	BUs Achieved
M	36	M1	BR9	0.6	0.0	2.4	110	66.0	95	57.0
N	70	N1	GIB2	3.0	0.0	2.4	80	240.0	70	210.0
		N2	GIB2	3.0	0.0	2.4	80	240.0	70	210.0
		N3	GIB2	3.0	0.0	2.4	80	240.0	70	210.0
O	163	O4	GIB1	3.0	0.0	2.4	75	225.0	50	150.0
		O5	BR5	1.3	0.0	1.5	115	239.2	85	176.8
P	163	P1	GIB1	1.8	0.0	2.4	55	99.0	50	90.0
		P2	GIB1	1.8	0.0	2.4	55	99.0	50	90.0

Totals Achieved	W	1,302.4	E	1,086.1
Totals Required	W	1,030.1	E	831.6



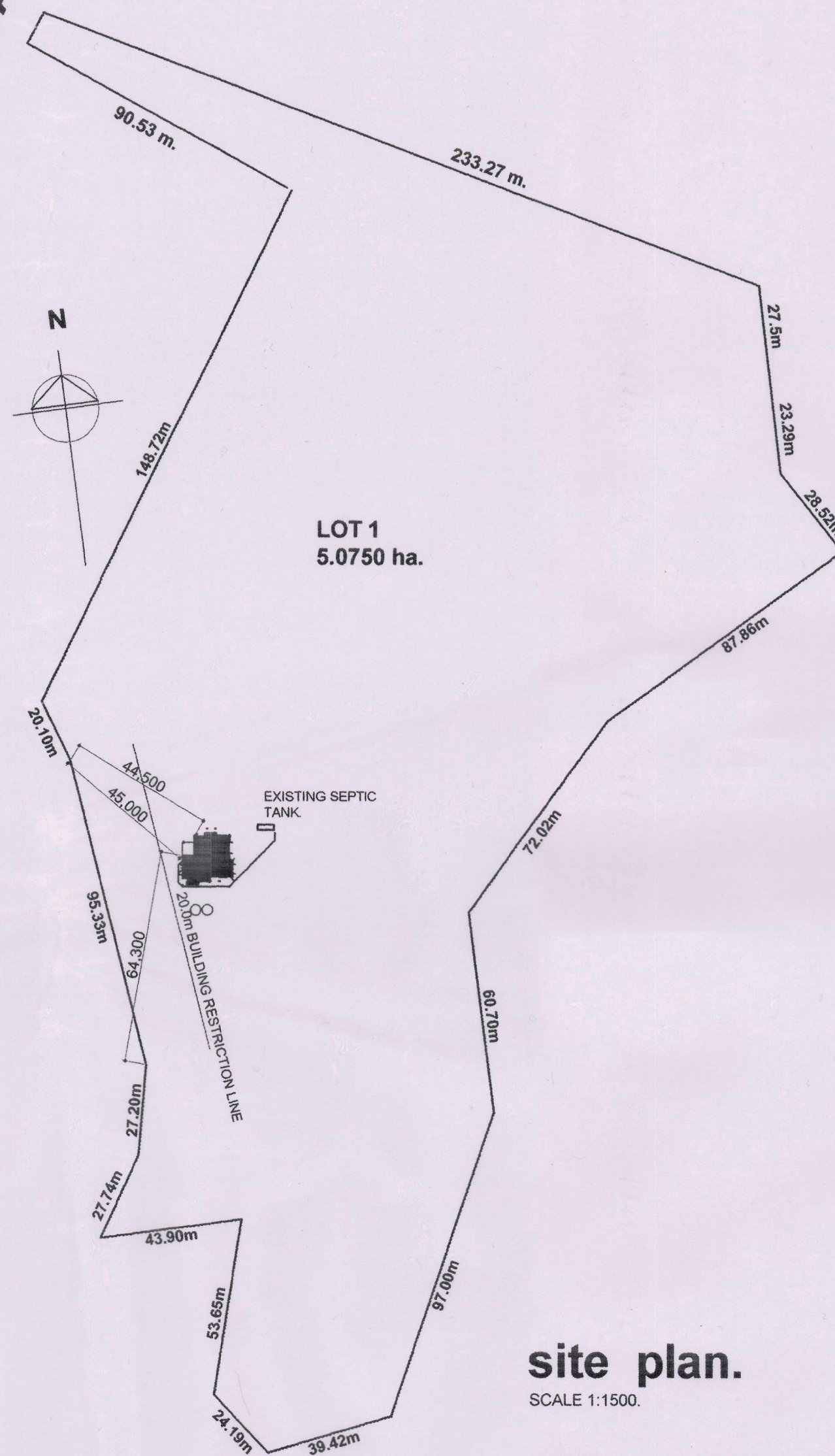
NEW HOUSE
for
MR. J. & MRS. M. PALLET-FRAME
at
POHANGINA VALLEY ROAD EAST
POHANGINA.

FIRST FLOOR LINTON HOUSE
6 LINTON STREET
PO BOX 4143
PALMERSTON NORTH

bba
bruce barry
ARCHITECTS LTD.

06 356 5946 06 359 1640
021 365 946 bruce@bba.co.nz

POHANGINA VALLEY ROAD



site plan.
SCALE 1:1500.

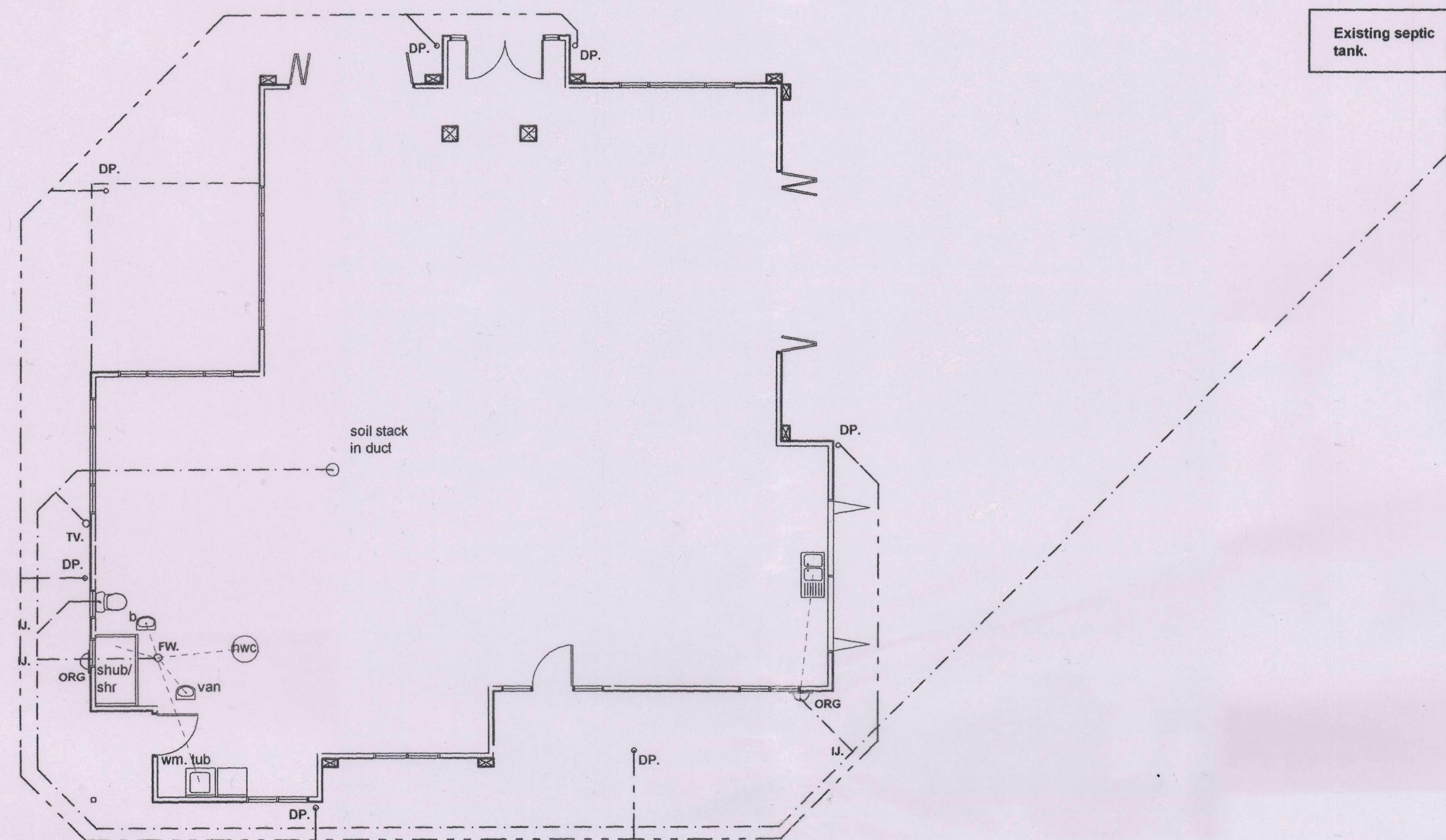
SHEET
of 14 sheets
PALLET-FRAME HOUSE

1.

FIRST FLOOR LINTON HOUSE
6 LINTON STREET
PO BOX 4143
PALMERSTON NORTH

bba
bruce barry
ARCHITECTS LTD.

06 356 5946 06 359 1840
021 363 946 bruce@bba.net.nz



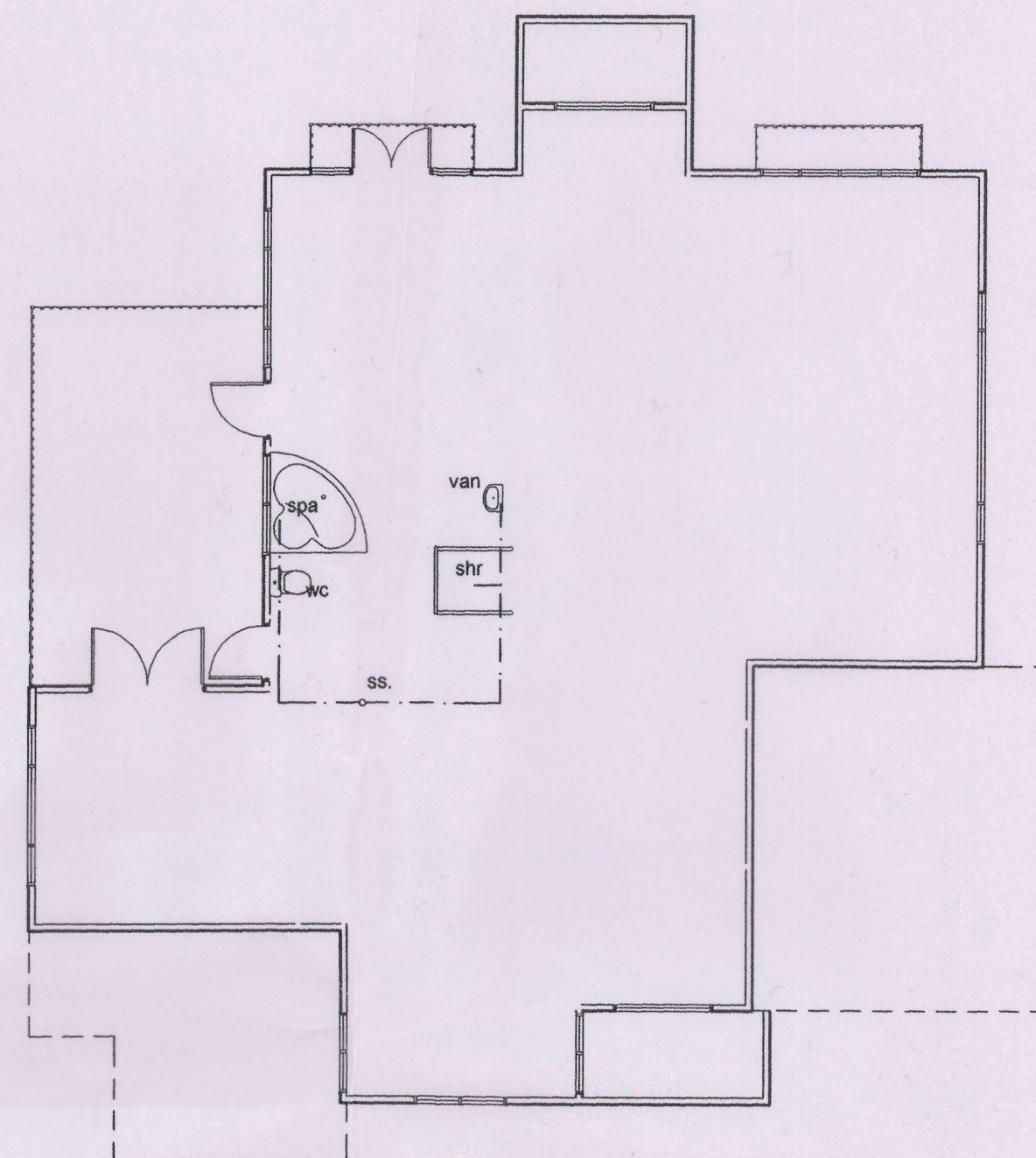
**ground floor
services plan.**

SCALE 1:100.

NOTES:

- DP. indicates 75mm diam. downpipe.
- TV. indicates terminal vent.
- GT. indicates gully trap.
- IB. indicates inspection bend.
- IJ. indicates inspection junction.
- SS. indicates soil stack.
- indicates 110mm diam uPVC sewer drain.
- - - indicates 90mm diam uPVC stormwater drain.

New water storage
tanks see Spec.



**first floor
services plan.**

SCALE 1:100.

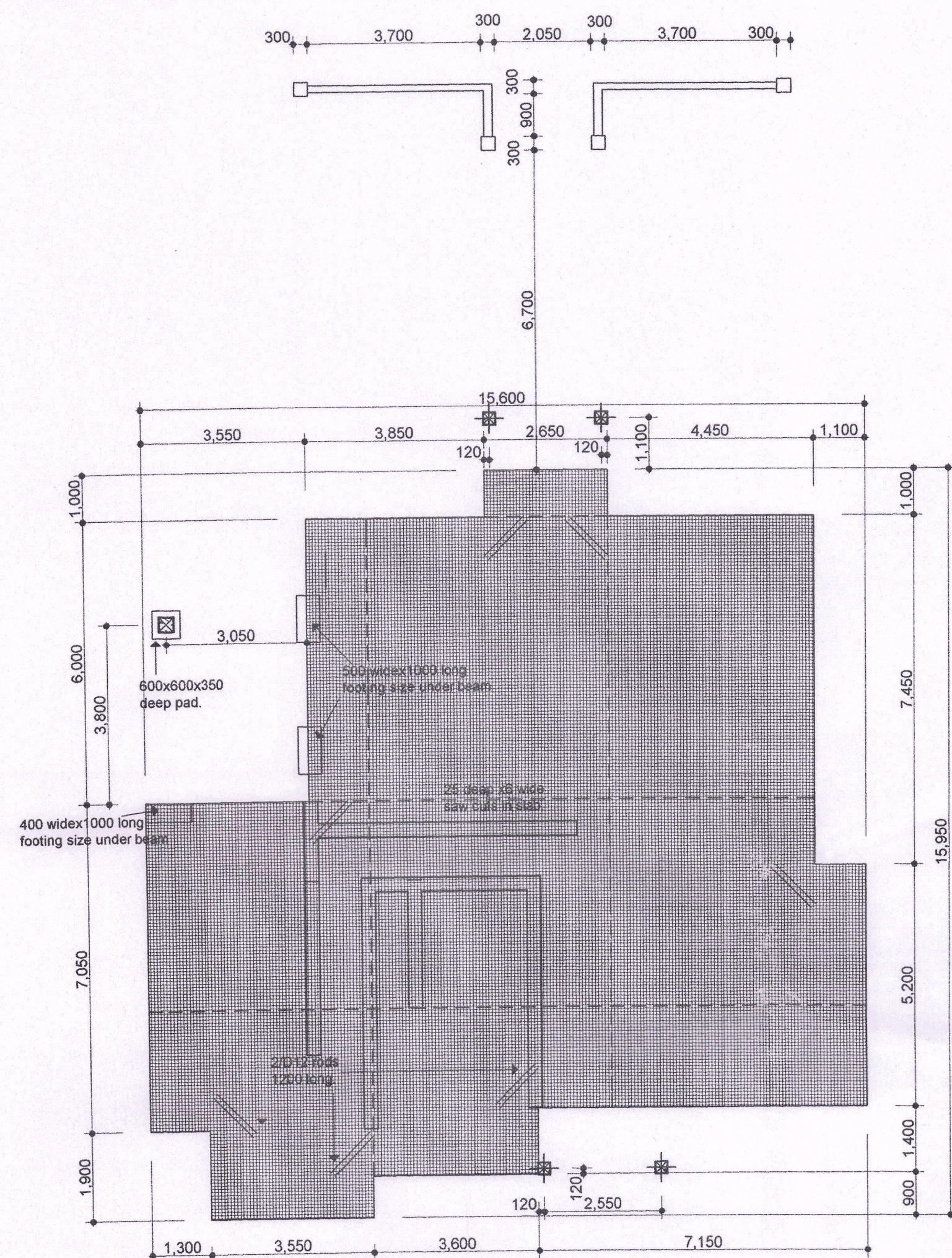
**SHEET
of 14 sheets
PALLET-FRAME HOUSE**

2.

FIRST FLOOR LINTON HOUSE
6 LINTON STREET
PO BOX 4143
PALMERSTON NORTH

bba
bruce barry
ARCHITECTS Ltd.

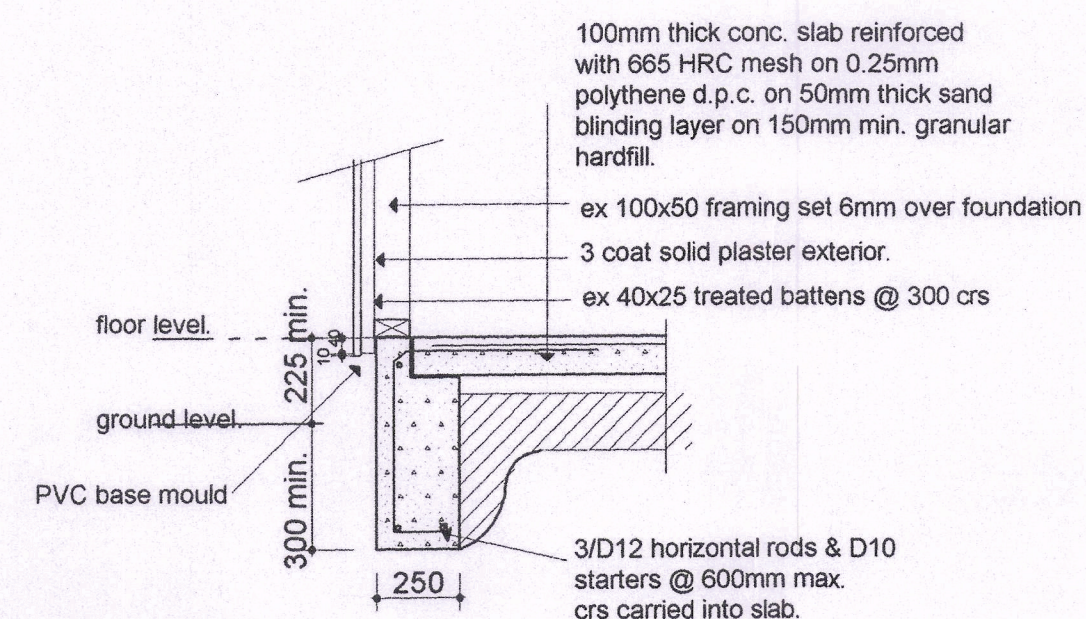
06 356 5945 06 359 1840
021 365 946 bruce@bba.net.nz



foundation plan.

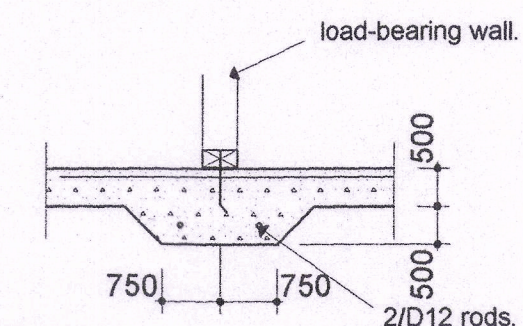
SCALE 1:100.

NOTE:
The Main Contractor MUST confirm the bearing capacity of the soil PRIOR to forming any boxing.
Floor slab drawn shaded.



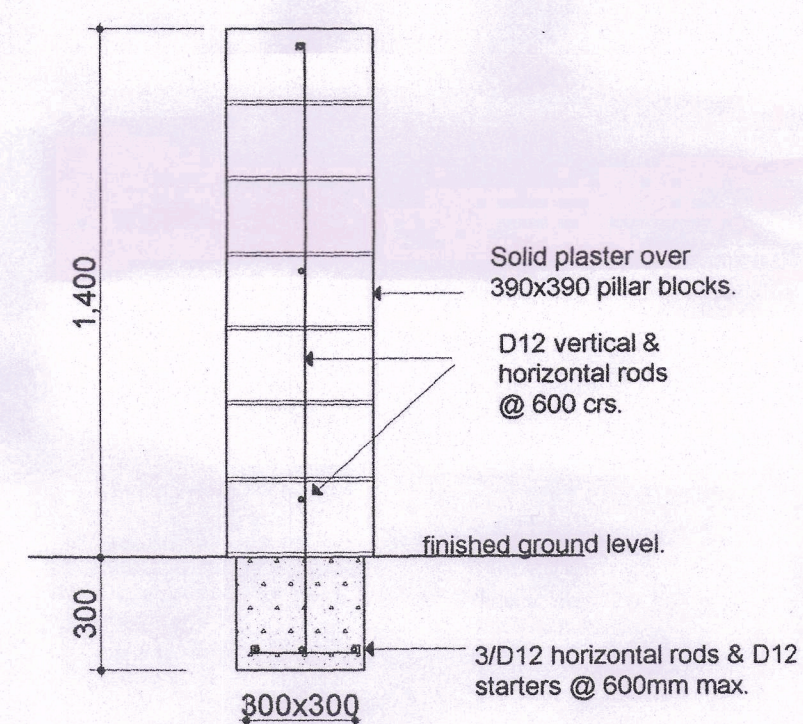
foundation detail.

SCALE 1:20.



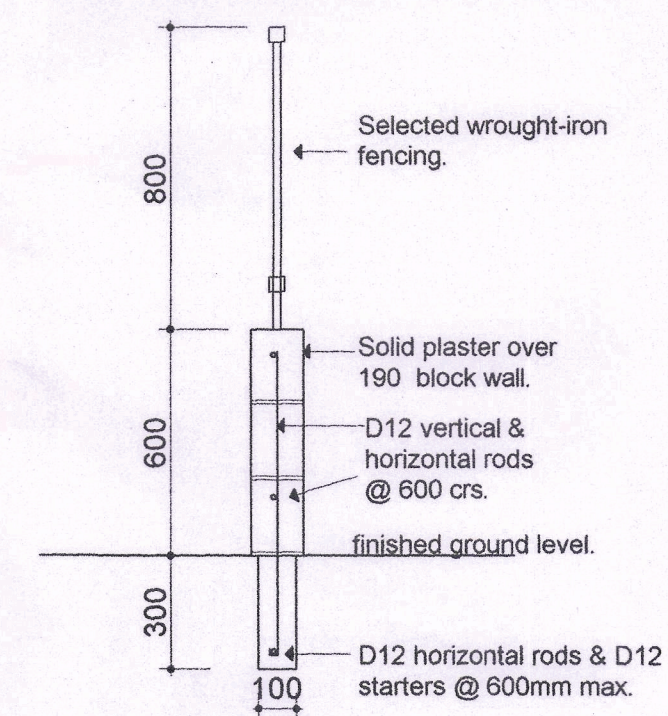
slab thickening detail.

SCALE 1:20.



post footing detail.

SCALE 1:20.



site wall detail

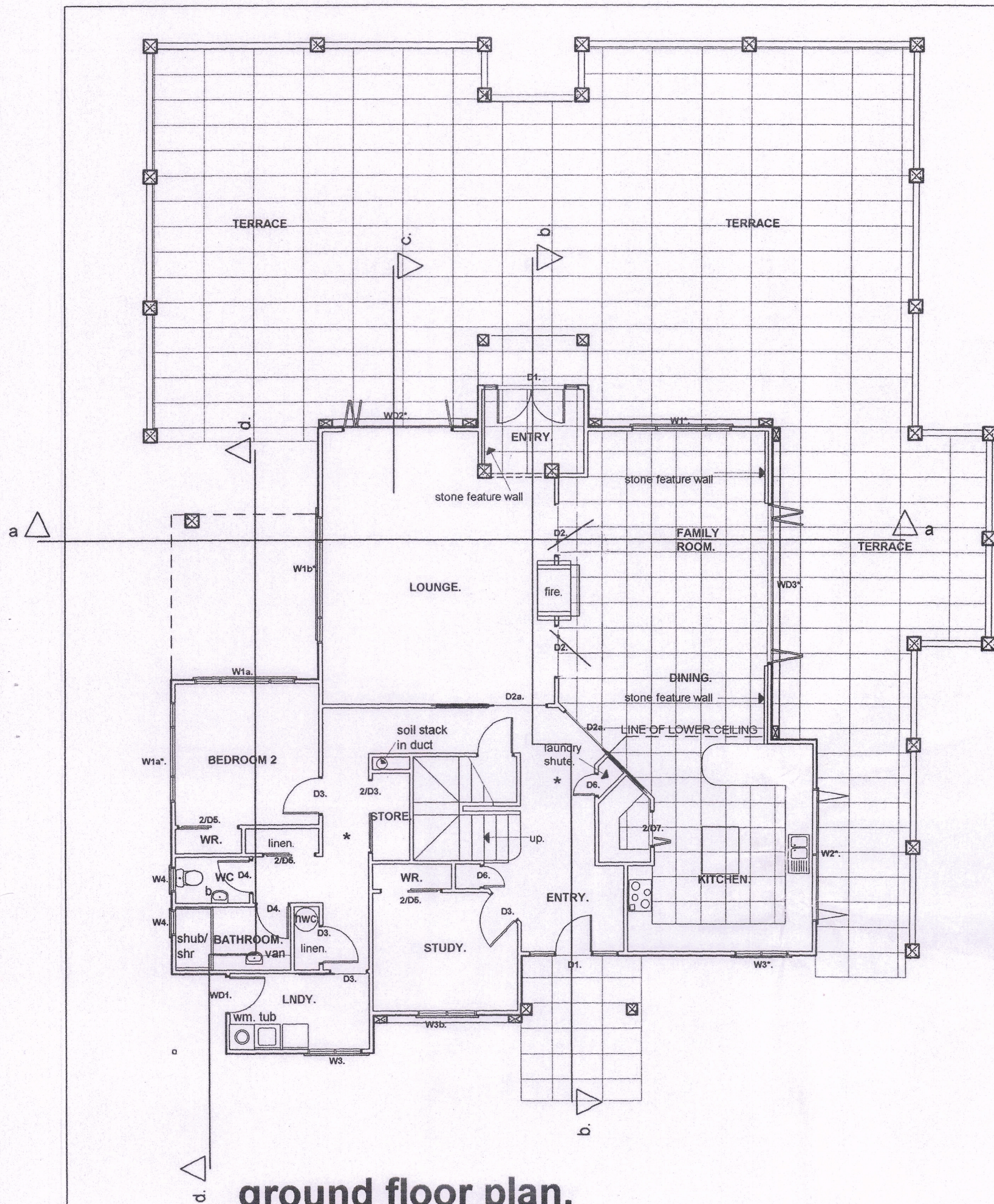
SCALE 1:20.

SHEET
of 14 sheets
PALLET-FRAME HOUSE

FIRST FLOOR LINTON HOUSE
6 LINTON STREET
PO BOX 4143
PALMERSTON NORTH

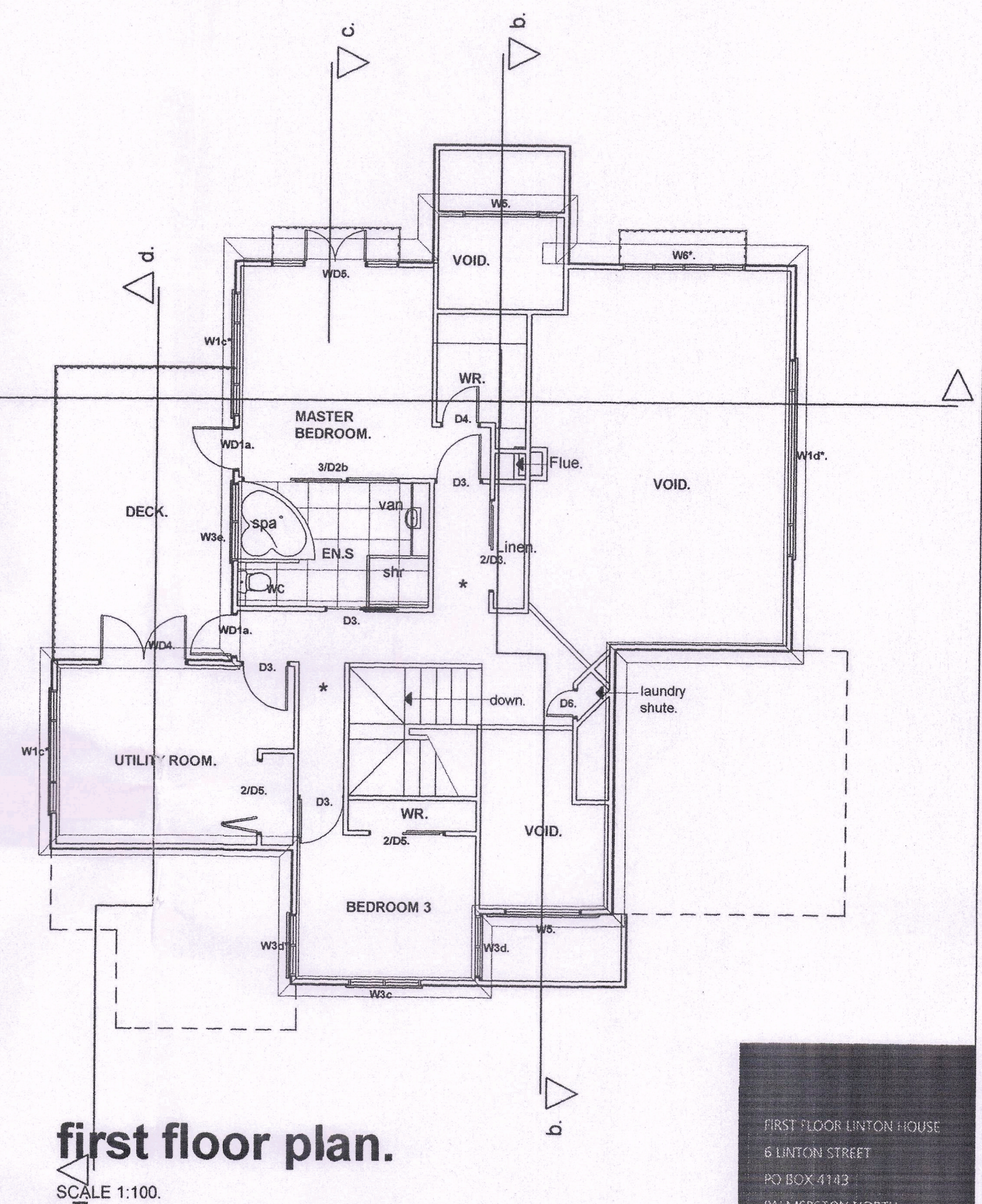
bbd
bruce barry
ARCHITECTS LTD

☎ 06 356 5945 ☎ 06 359 1840
☎ 021 365 946 ✉ bruce@bba.net.au



ventilation schedule.

ROOM	AREA	5% REQD VENT	ACTUAL AREA
LOUNGE.	37.6	1.88	7.7
FAMILY/DINING.	35.9	1.8	10.3
KITCHEN.	21.6	1.08	5.4
STUDY.	9.6	0.48	2.4
BEDROOM 1	16.0	0.8	7.5
BEDROOM 2	11.8	0.59	3.1
BEDROOM 3	9.8	0.49	3.5
UTILITY ROOM	15.2	0.76	1.8
BATHROOM.	4.2	0.21	0.6
W.C	1.9	0.10	0.6
LAUNDRY	6.1	0.30	1.6
EN SUITE	9.6	0.48	2.1



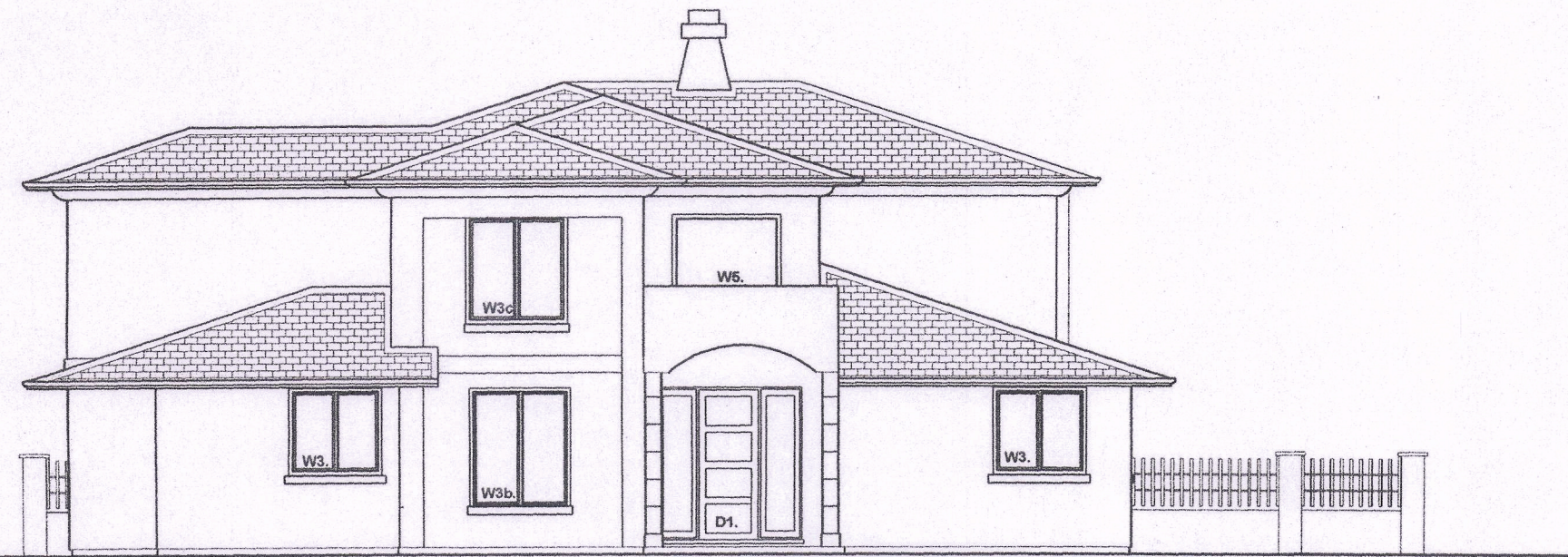
SHEET
 of 14 sheets
PALLET-FRAME HOUSE

4.

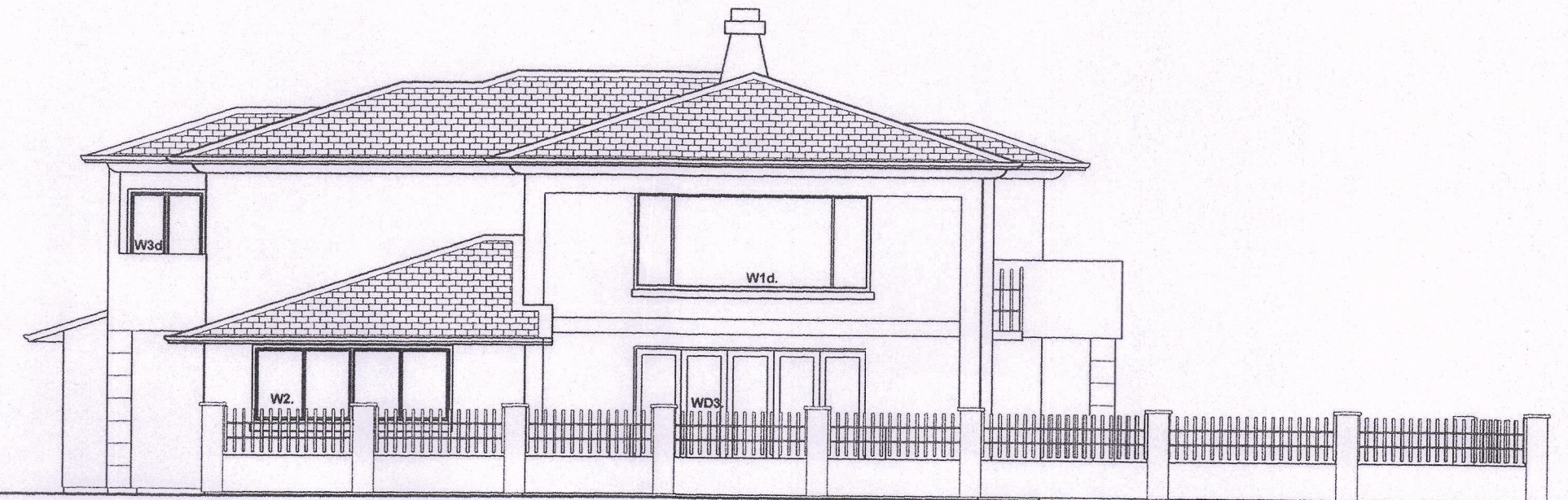
FIRST FLOOR LINTON HOUSE
 6 LINTON STREET
 PO BOX 4143
 PALMERSTON NORTH

bba
 bruce barry
 ARCHITECTS LTD.

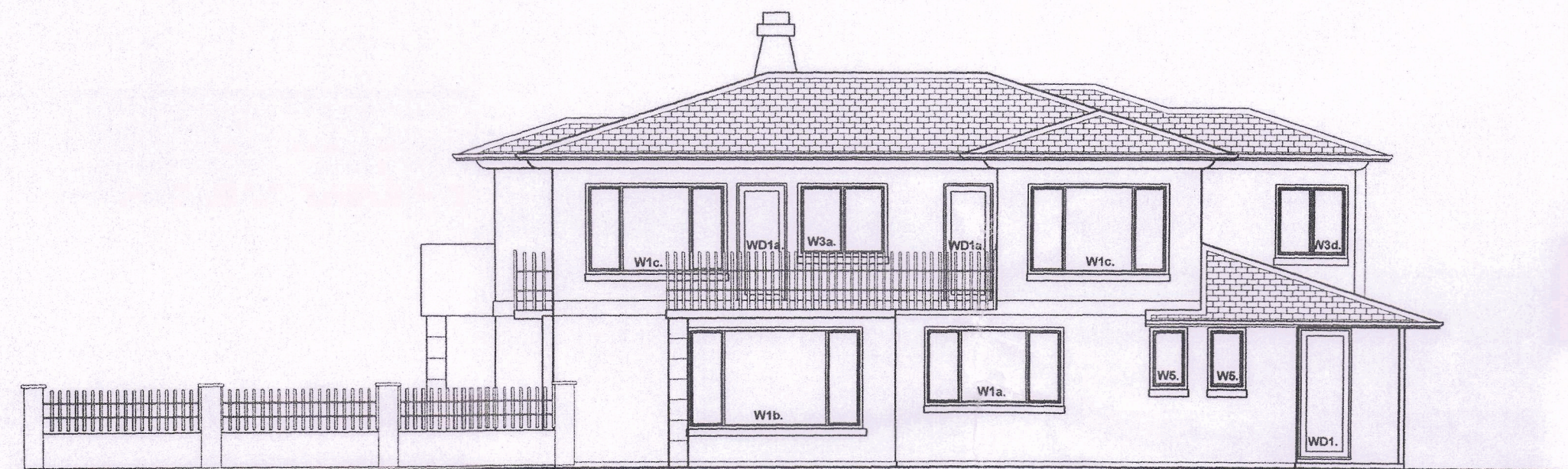
06 356 5946 06 359 1840
 021 365 946 bba@bba.net.nz



south-east elevation



north-east elevation



south-west elevation



north-west elevation.

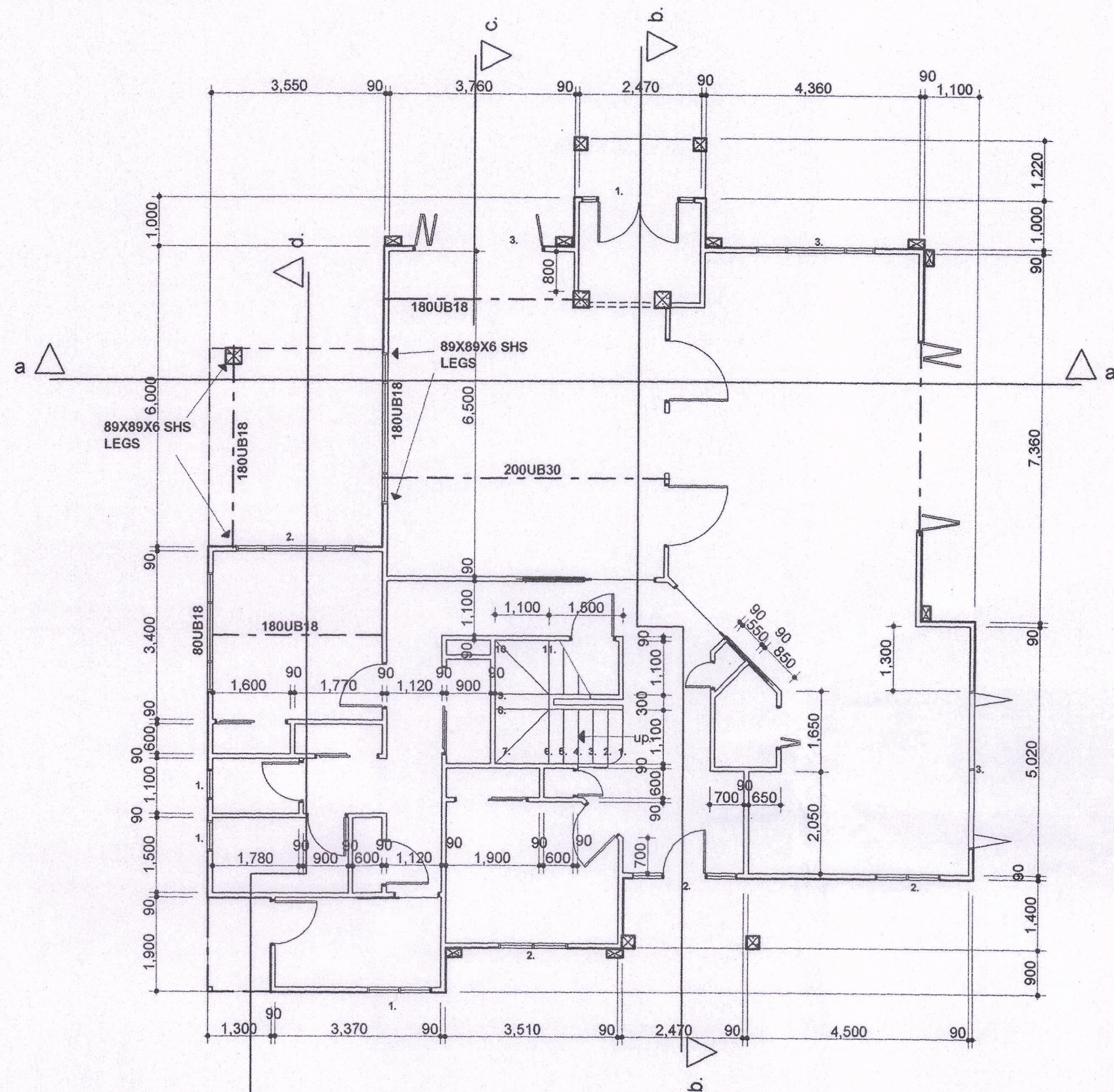
SHEET
of 14 sheets
PALLET-FRAME HOUSE

5.

FIRST FLOOR LINTON HOUSE
6 LINTON STREET
PO BOX 4143
PALMERSTON NORTH

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**ground floor
wall framing plan.**

SCALE 1:100.

LINTEL TABLE.

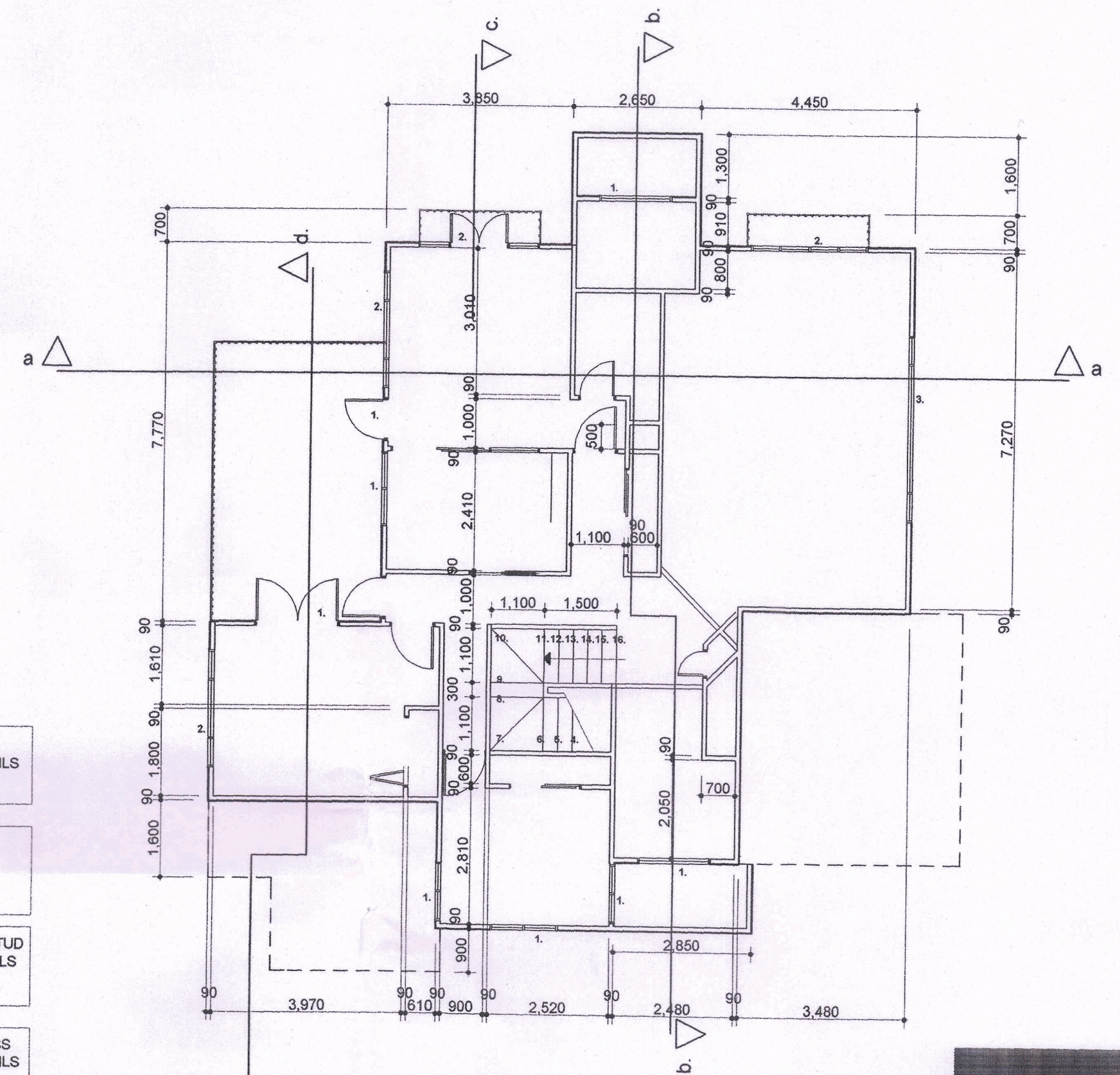
- 1 = 200L TRIFOLD
- 2 = 200H TRIFOLD
- 3. = FB20H FLITCH BEAM

TRUSS FIXED TO TOP PLATE
WITH 2/100X3.75 SKEWED NAILS
PLUS 2 WIRE DOGS.

PLATE FIXED TO SLAB WITH
m12 BOLT & WASHER SET
75mm INTO SLAB @ 1,400
MAX. CRS.

TOP PLATE FIXED TO EACH STUD
WITH 2/100X3.75 SKEWED NAILS
PLUS 1 WIRE DOGS.

PURLIN FIXED TO EACH TRUSS
WITH 2/100X3.75 SKEWED NAILS
PLUS 1 WIRE DOGS.



**first floor
wall framing plan.**

SCALE 1:100.

LINTEL TABLE.

- 1 = 200L TRIFOLD
- 2 = 250L TRIFOLD
- 3. = FB25L FLITCH BEAM

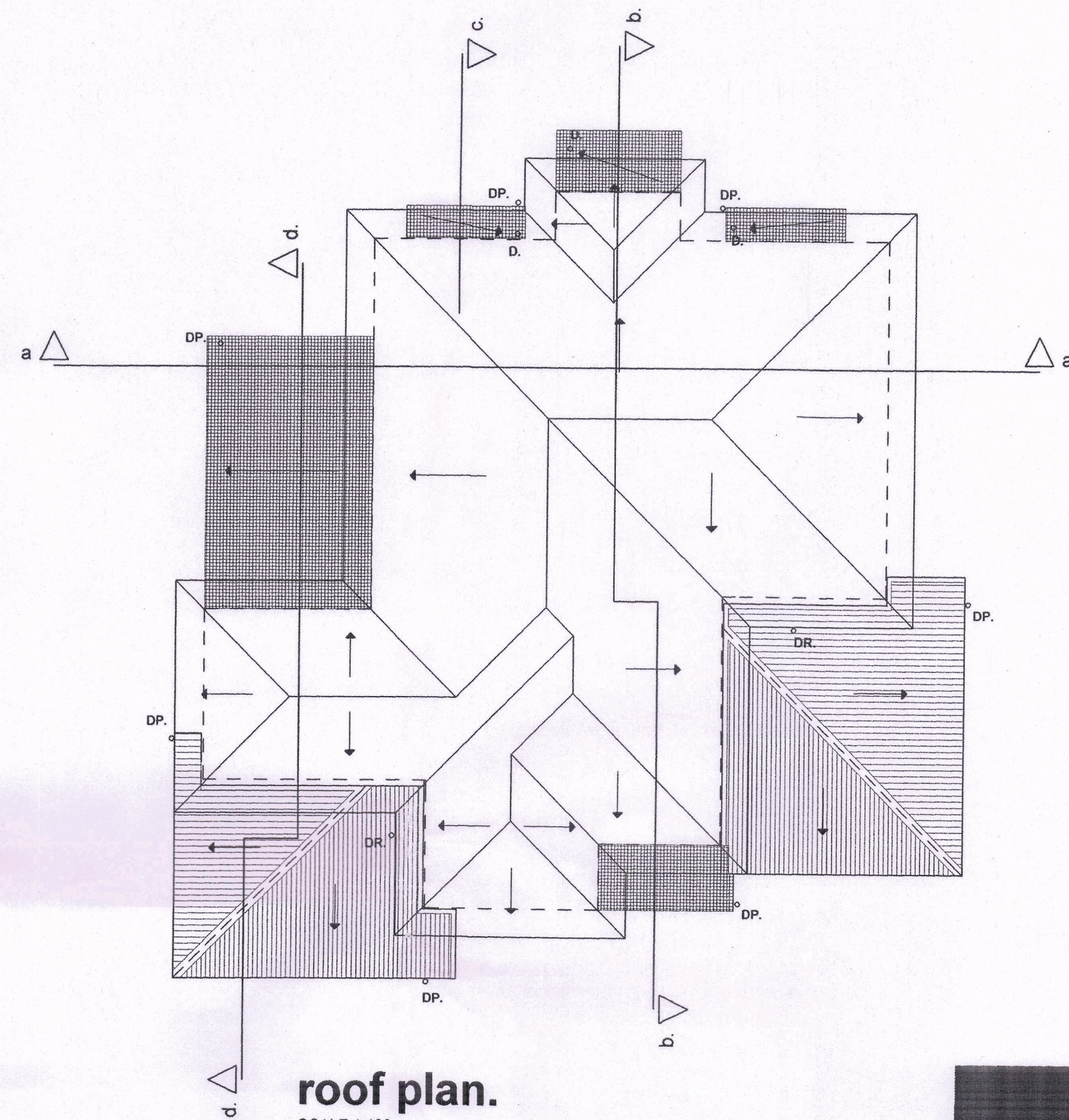
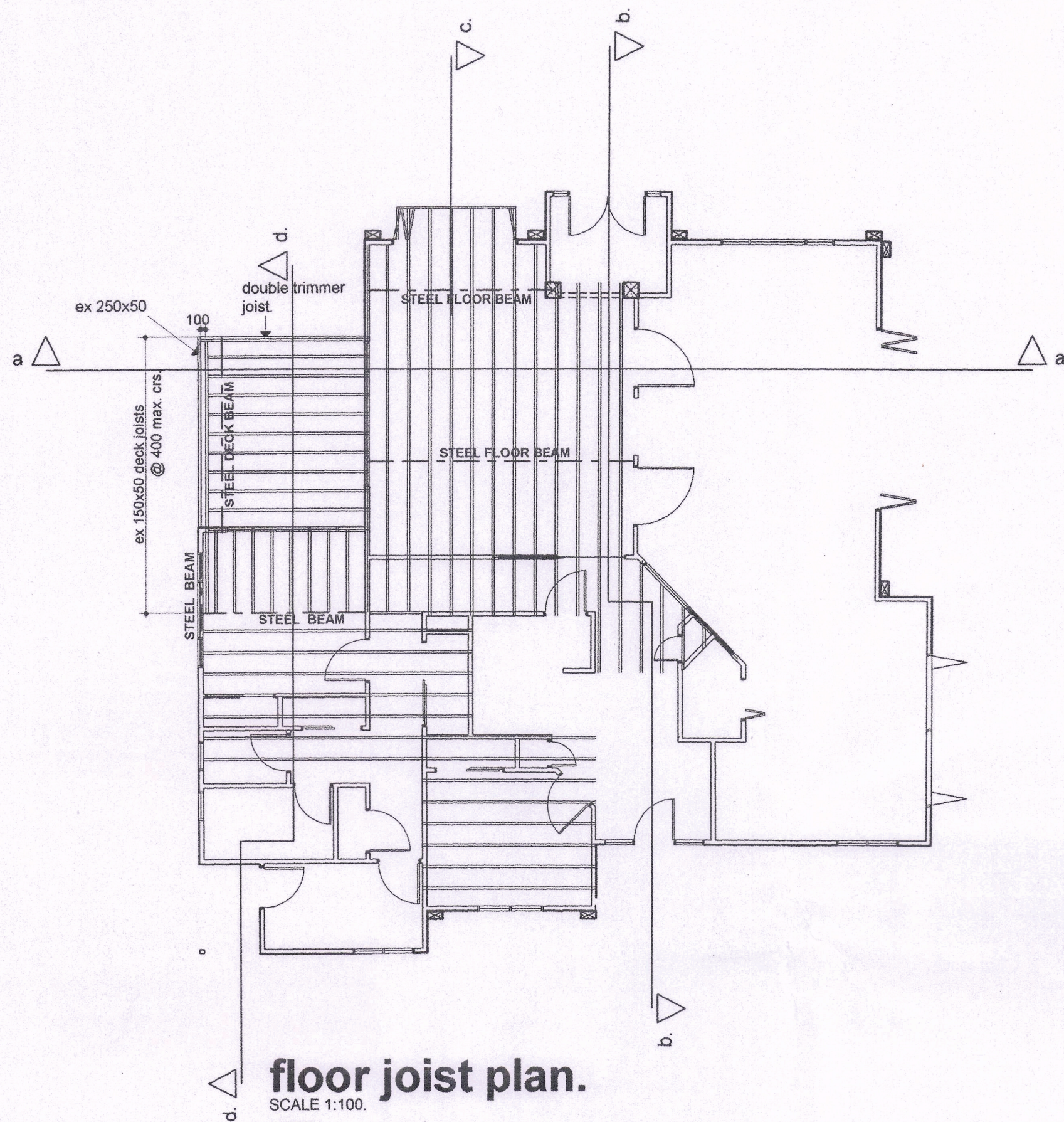
**SHEET
of 14 sheets
PALLET-FRAME HOUSE**

6.

FIRST FLOOR LINTON HOUSE
6 LINTON STREET
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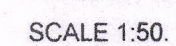


7.
SHEET
of 14 sheets
PALLET-FRAME HOUSE

FIRST FLOOR LINTON HOUSE
6 LINTON STREET
PO BOX 4143
PALMERSTON NORTH

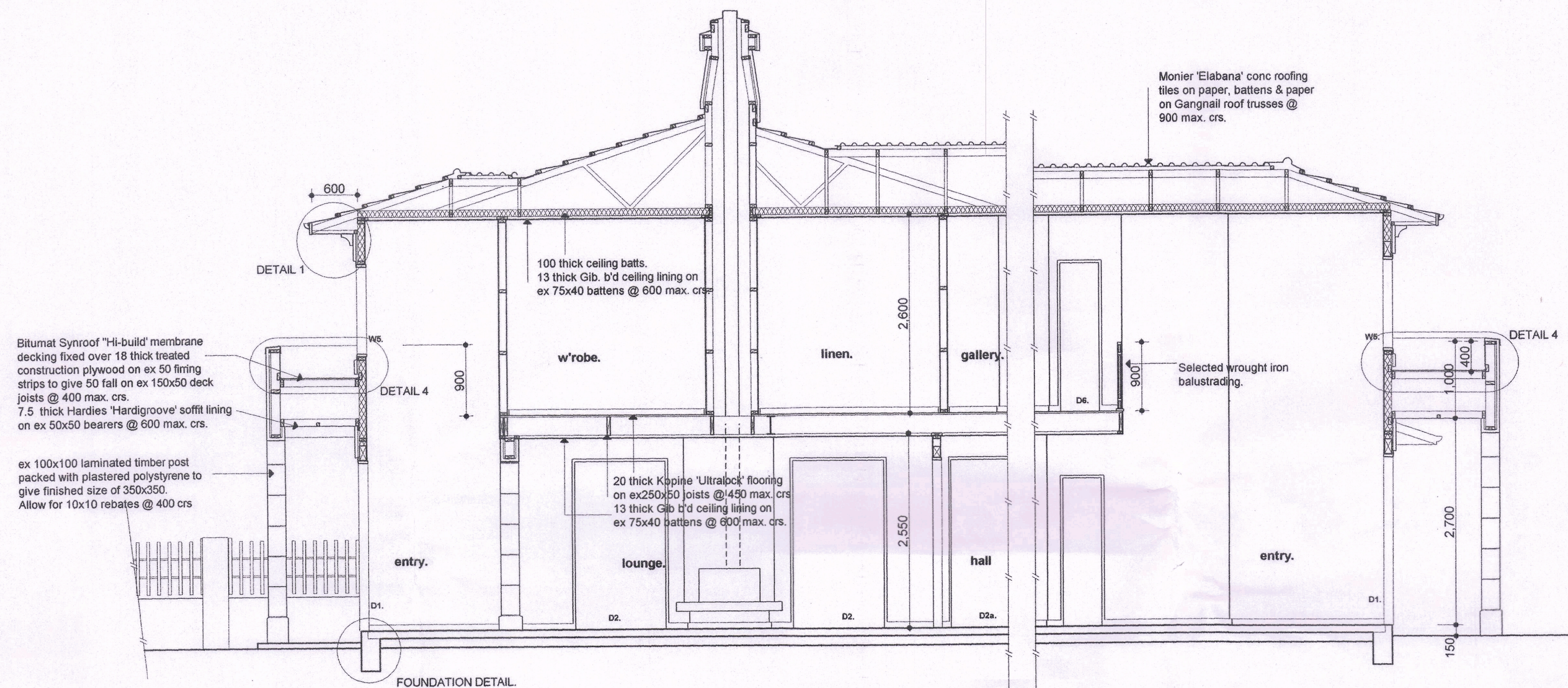
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8.

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section b-b.

SCALE 1:50.

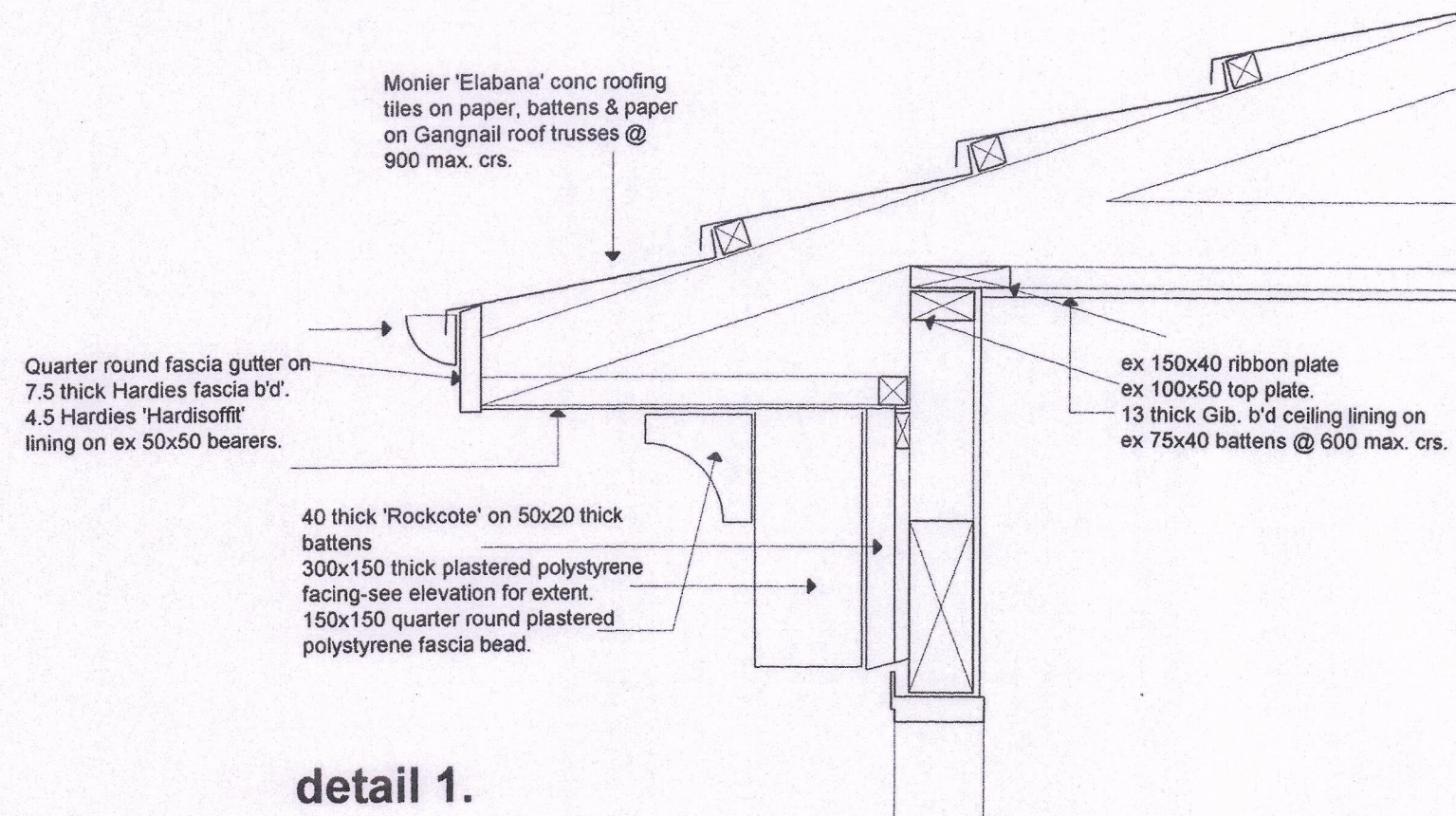
SHEET
of 14 sheets
PALLET-FRAME HOUSE

9.

FIRST FLOOR LINTON HOUSE
6 LINTON STREET
PO BOX 4113
PALMERSTON NORTH

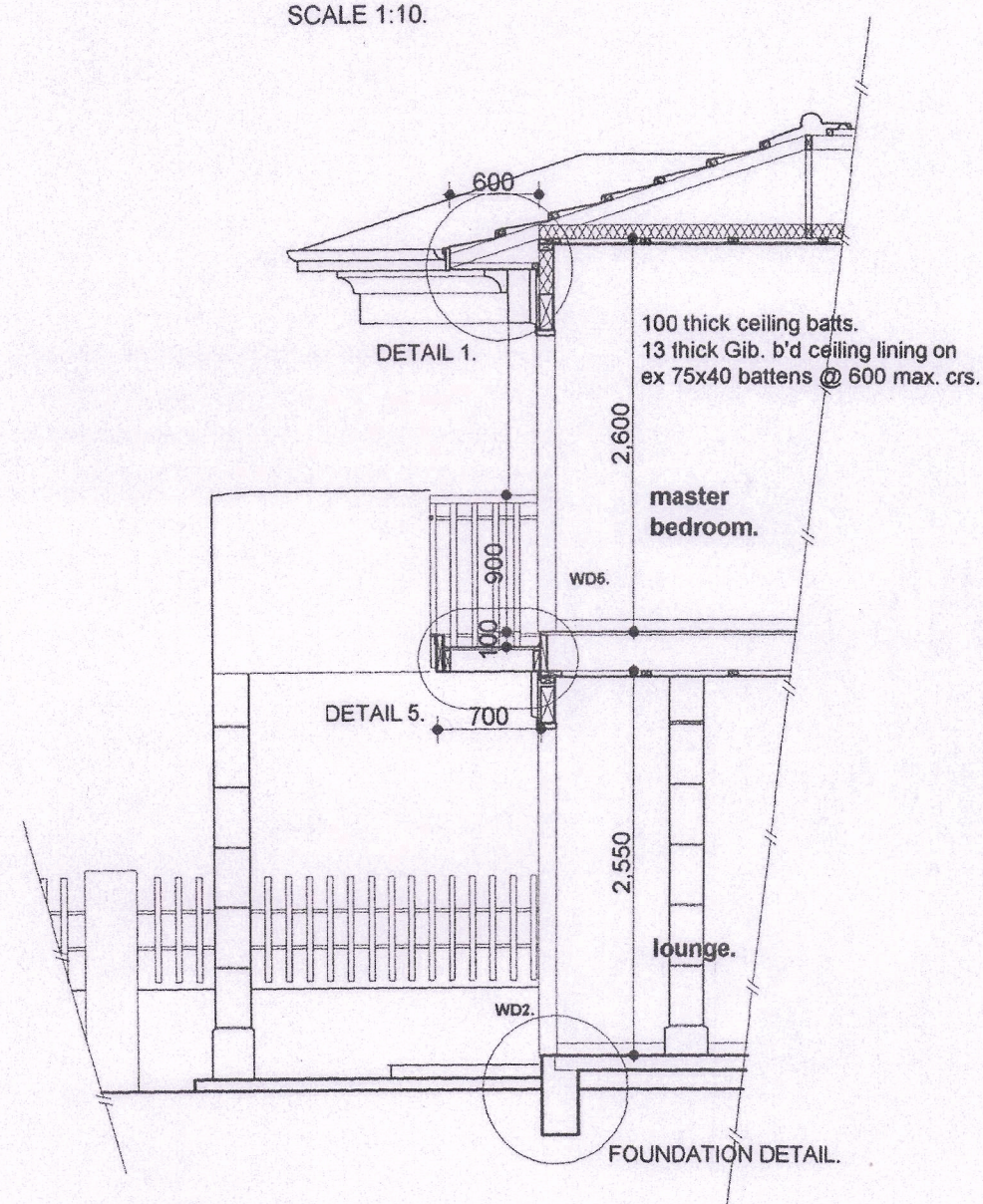
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✉ 021 365 946 🌐 bruce@bba.net.nz



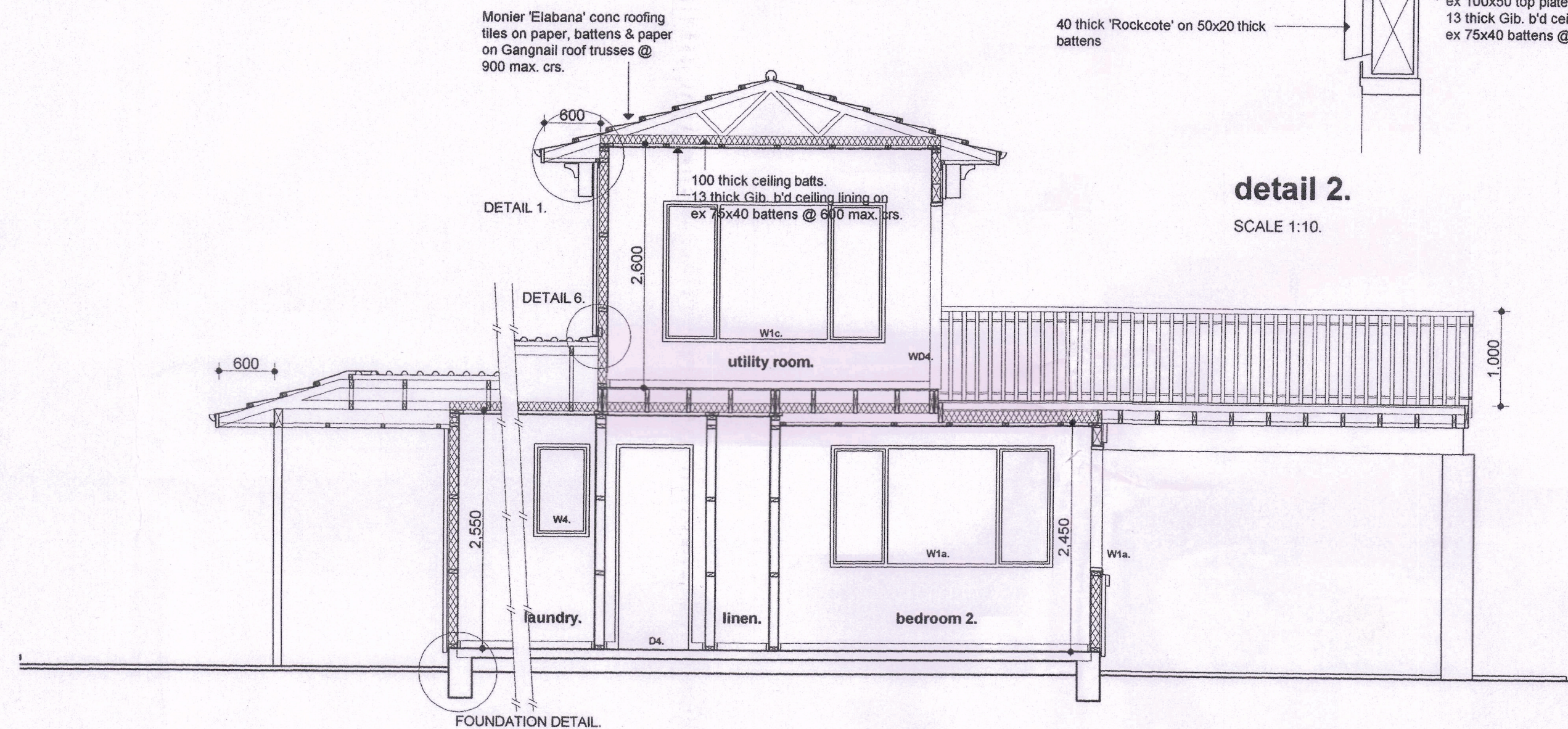
detail 1.

SCALE 1:10.



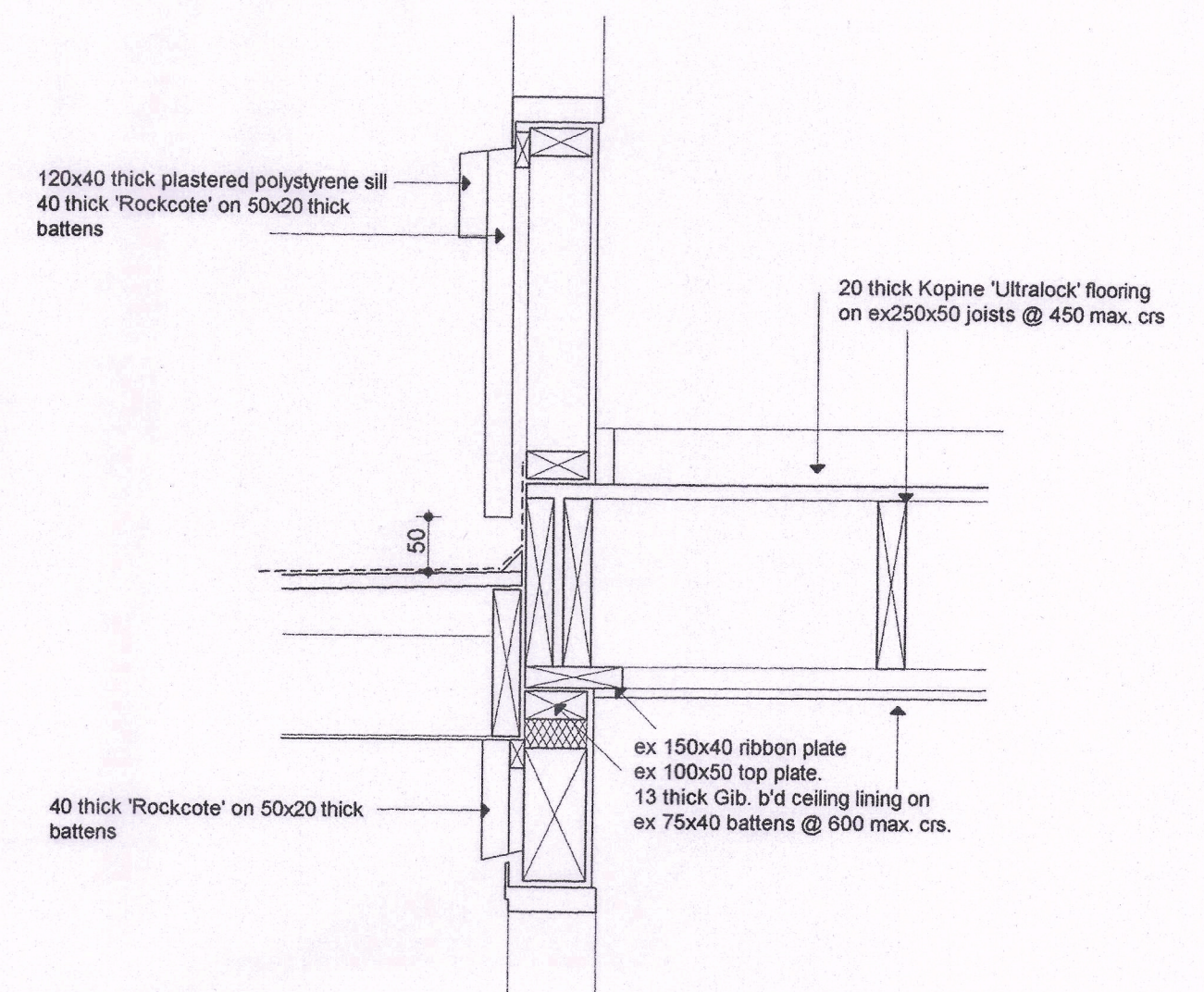
section c.

SCALE 1:50.



section d-d.

SCALE 1:50.



detail 2.

SCALE 1:10.

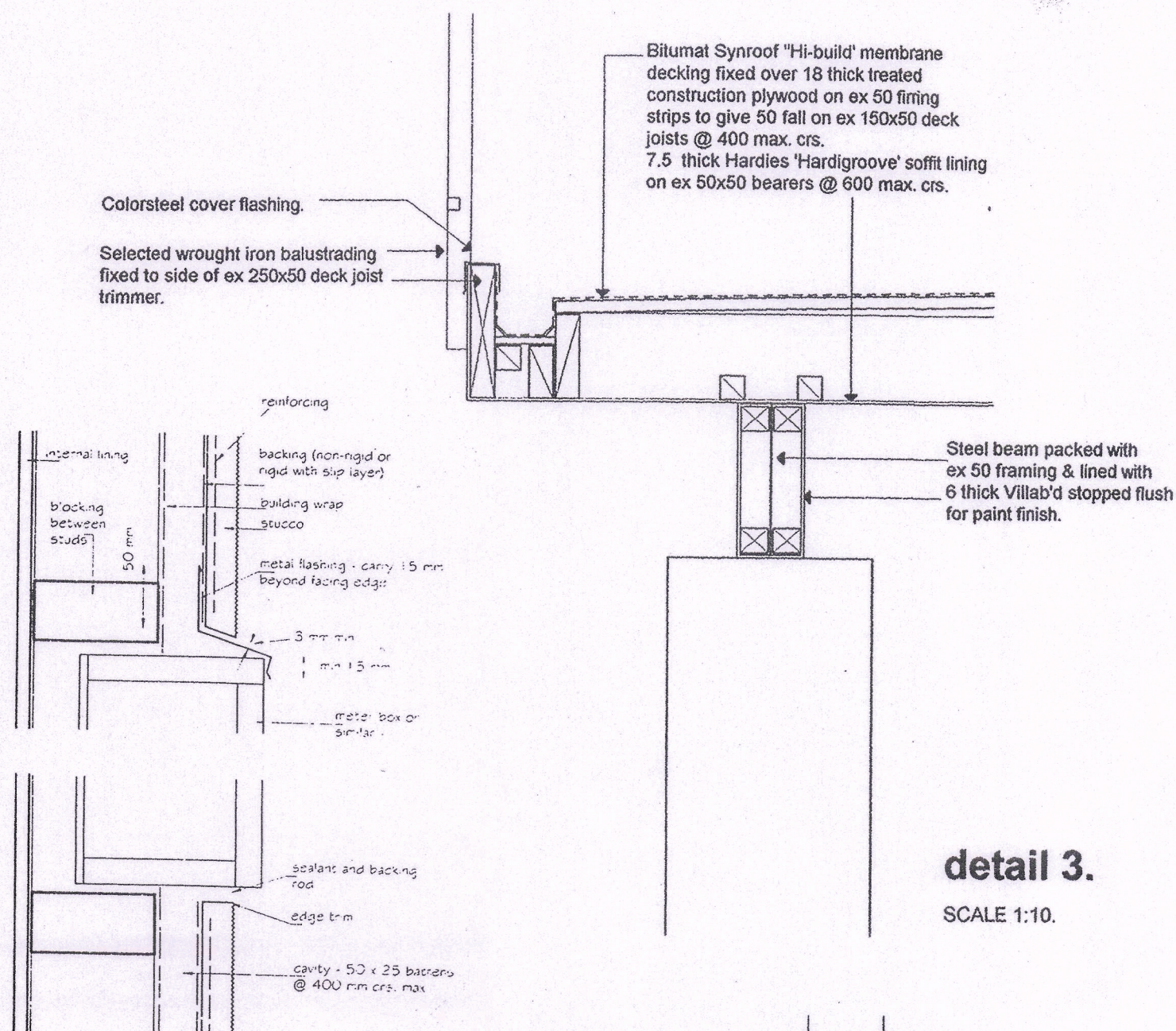
SHEET
of 14 sheets
PALLET-FRAME HOUSE

10.

FIRST FLOOR LINTON HOUSE
6 LINTON STREET
PO BOX 4143
PALMERSTON NORTH

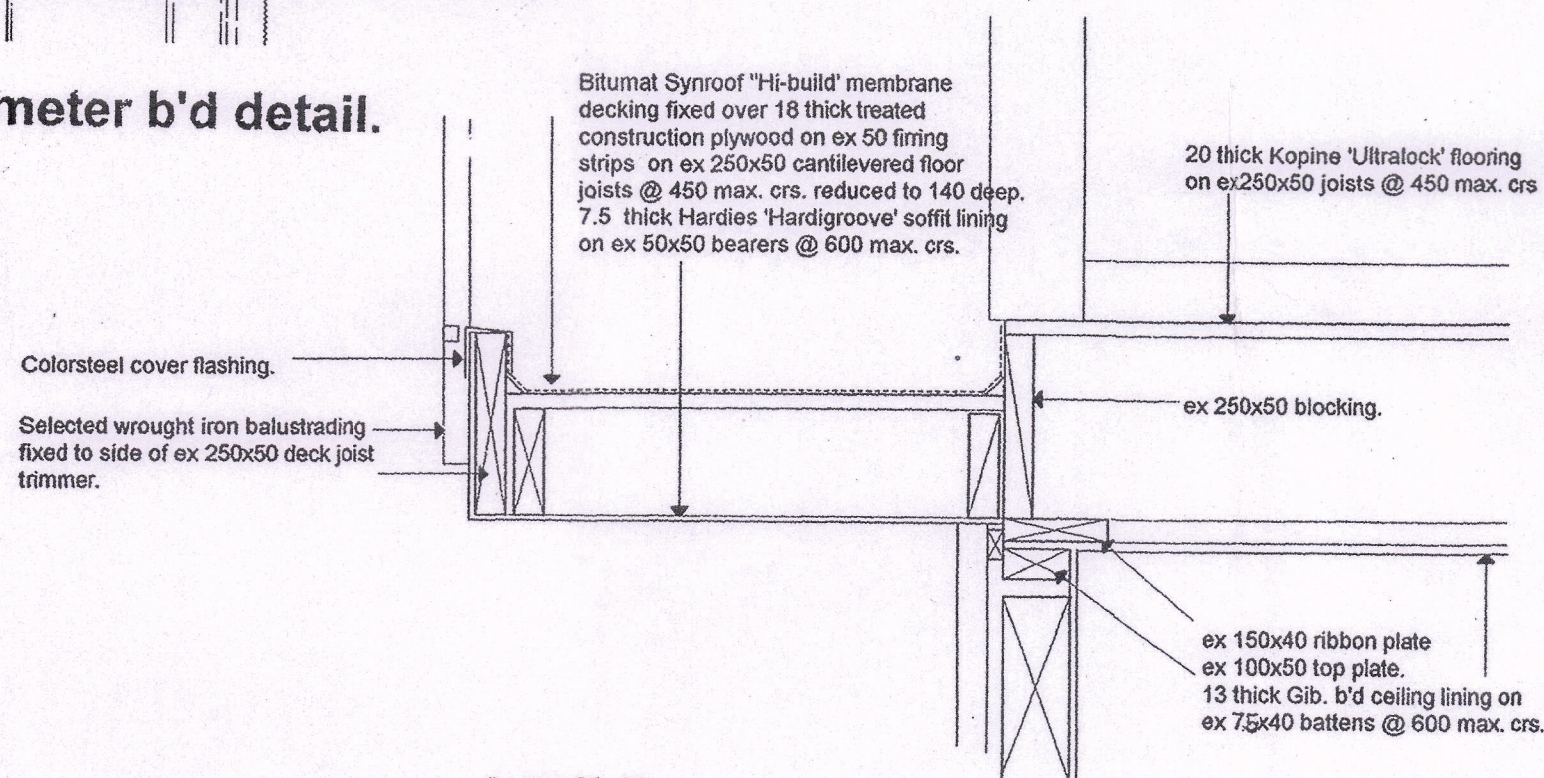
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021 363 9416 bruce@bba.net.nz

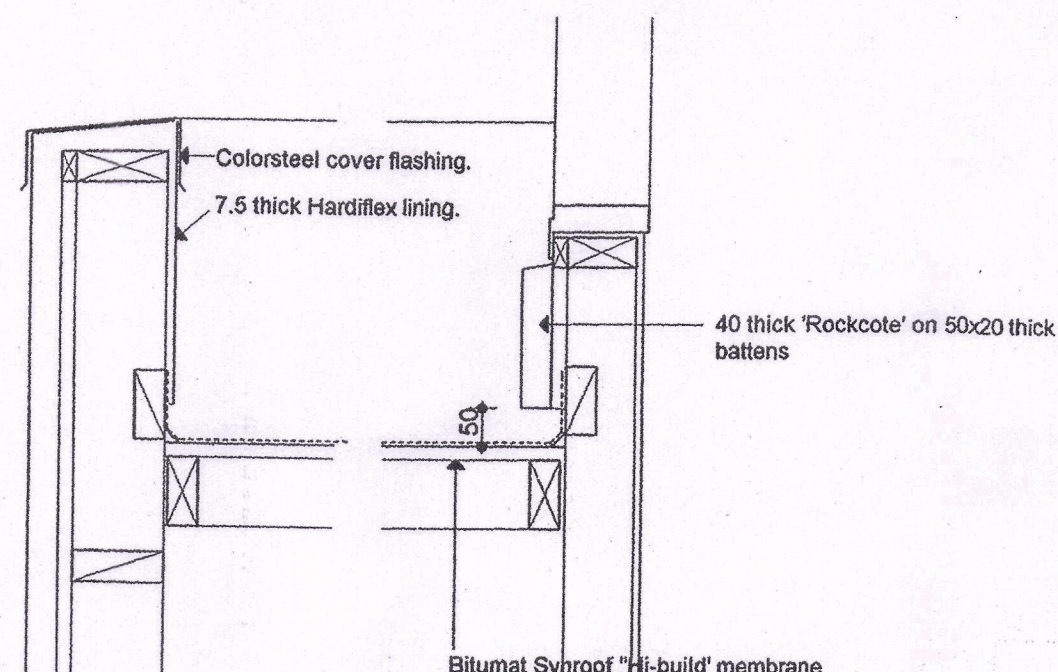


detail 3.
SCALE 1:10.

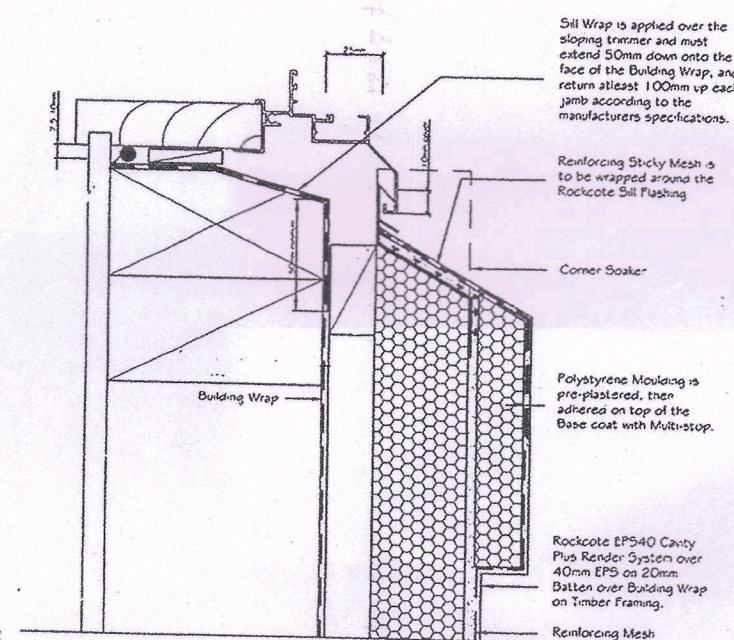
meter b'd detail.



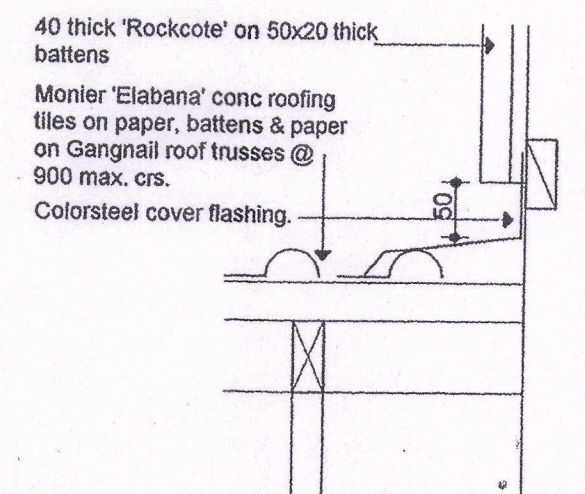
detail 5.
SCALE 1:10.



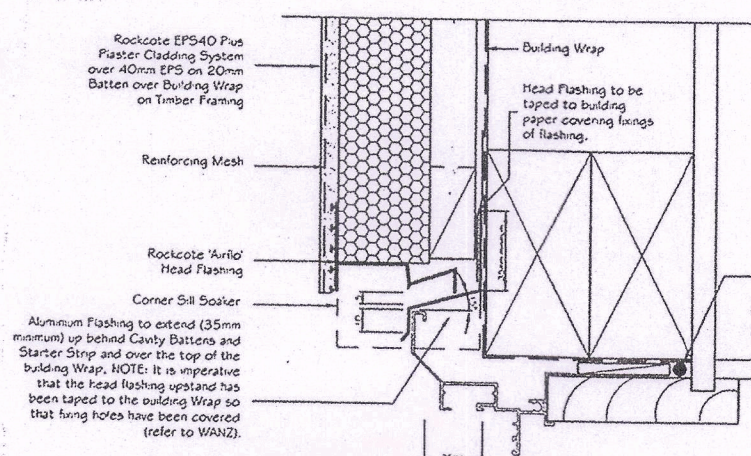
detail 4.
SCALE 1:10.



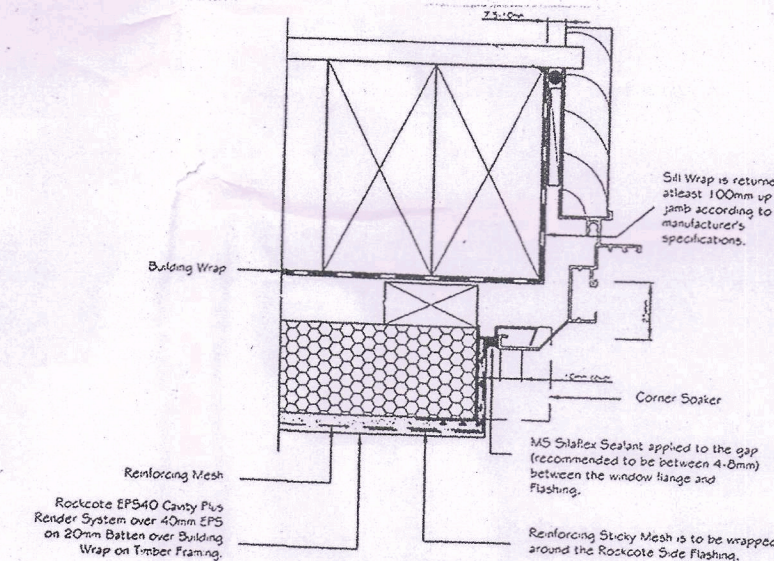
sill detail.



detail 6.
SCALE 1:10.



head detail.



jamb detail.

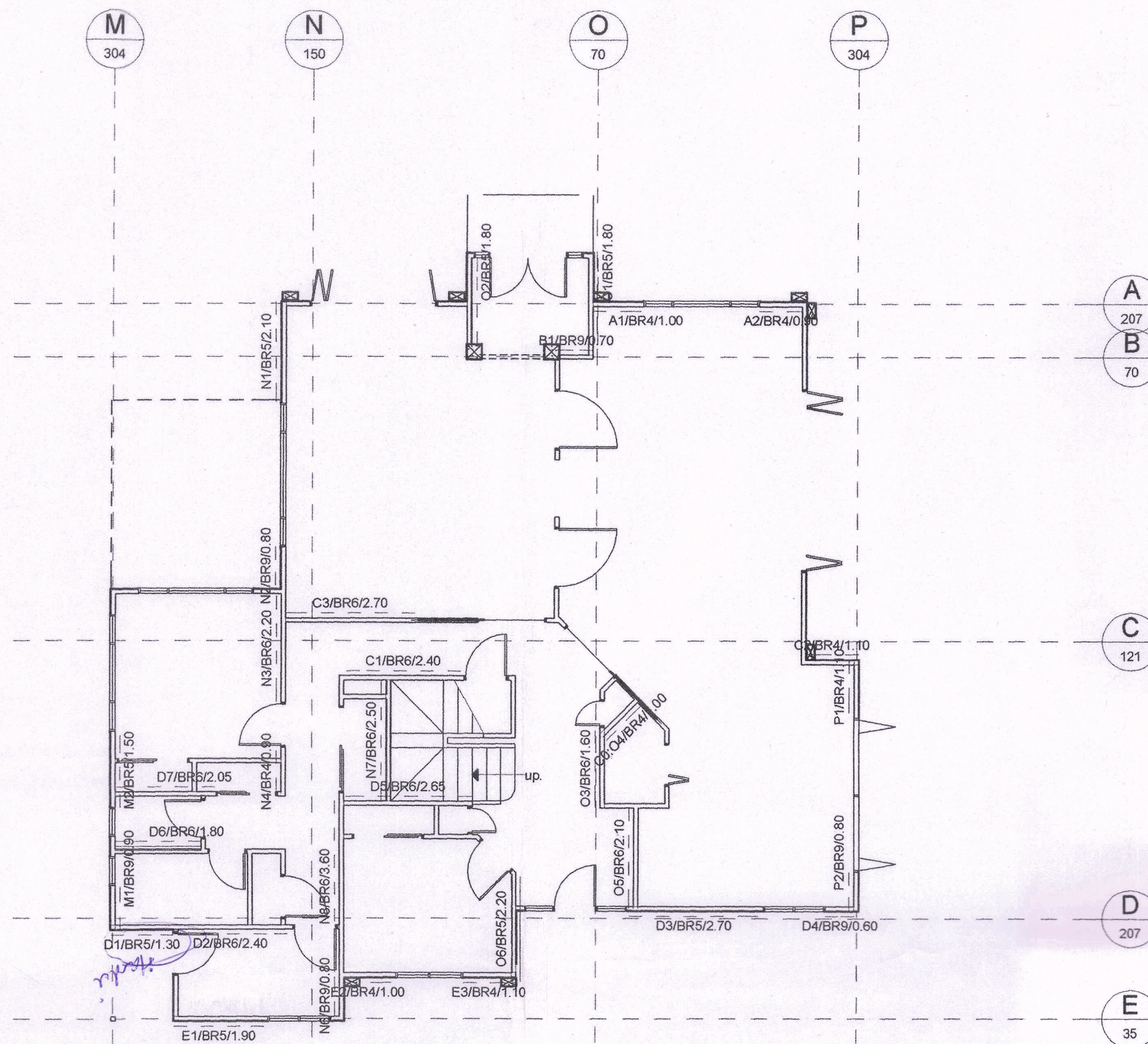
SHEET
of 14 sheets
PALLET-FRAME HOUSE

11.

FIRST FLOOR LINTON HOUSE
6 LINTON STREET
PO BOX 4143
PALMERSTON NORTH

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**ground floor
bracing plan.**

BR6/2.4
Indicates bracing element of type BR6
& length 2.4 meters.
All bracing elements MUST be fixed in
strict accordance with NZS3604.

BRACING CALCULATIONS											
Building Height to Apex		7.0 m		Location of Storey		Lower of Two					
Roof Height Above Eaves		2.0 m		Floor Load		2kPa					
Stud Height		3.0 m		Roof Weight		Heavy					
Roof Pitch		0 - 25 °		Cladding Weights:							
Hip Roof		No		- Subfloor		Concrete Floor					
Building Length (BL)		16.0 m		- Lower Floor		Medium					
Building Width (BW)		15.6 m		- Upper Floor		Medium					
Wind Zone		High		Room in Roof Space		No					
W along		139 BUs/m		Gross Plan Area (GPA)		175.0 m ²					
W across		130 BUs/m		Earthquake Zone		A					
W along x BW		2,168.4 BUs		EQ		15.6 BUs/m ²					
W across x BL		2,073.5 BUs		EQ x GPA		2,730.0 BUs					
ALONG											
Bracing Line		Bracing Elements Provided					Wind		Earthquake		
Line Label	Min BUs Required	Brace No.	Brace Type	Brace Length	Brace Angle	Brace Height	Rating BUs/m	BUs Achieved	Rating BUs/m	BUs Achieved	
A	207	A1	BR4	1.0	0.0	2.5	100	98.0	85	83.3	
		A2	BR4	0.9	0.0	2.5	100	88.2	85	74.9	
B	70	B1	BR9	0.7	0.0	2.5	110	75.4	95	65.1	
C	120	C0	BR4	1.0	45.0	2.5	100	69.3	85	58.9	
		C1	BR6	2.4	0.0	2.5	150	352.7	110	258.6	
D	207	C2	BR4	1.1	0.0	2.6	100	101.5	85	86.3	
		C3	BR6	2.7	0.0	2.5	150	396.7	110	290.9	
		D1	BR5	1.3	0.0	2.5	115	146.4	85	108.2	
		D2	BR6	2.4	0.0	2.5	150	352.7	110	258.6	
		D3	BR5	2.7	0.0	2.5	115	304.2	85	224.8	
		D4	BR9	0.6	0.0	2.5	110	64.7	95	55.8	
		D5	BR6	2.7	0.0	2.5	150	389.4	110	285.6	
E	35	D6	BR6	1.8	0.0	2.5	150	264.5	110	194.0	
		D7	BR6	2.1	0.0	2.5	150	301.2	110	220.9	
		E1	BR5	1.9	0.0	2.5	115	214.0	85	158.2	
		E2	BR4	1.0	0.0	2.5	100	98.0	85	83.3	
		E3	BR4	1.1	0.0	2.5	100	107.8	85	91.6	
		BRACELINE REQUIREMENTS			Totals Achieved			W	3,611.9	E	2,745.2
		UNACHIEVED			Totals Required			W	2,168.4	E	2,730.0
ACROSS											
Bracing Line		Bracing Elements Provided					Wind		Earthquake		
Line Label	Min BUs Required	Brace No.	Brace Type	Brace Length	Brace Angle	Brace Height	Rating BUs/m	BUs Achieved	Rating BUs/m	BUs Achieved	
M	303	M1	BR9	0.9	0.0	2.5	110	97.0	95	83.8	
		M2	BR5	1.5	0.0	2.5	115	169.0	85	124.9	
N	149	N1	BR5	2.1	0.0	2.5	115	236.6	85	174.9	
		N2	BR9	0.8	0.0	2.5	110	86.2	95	74.4	
		N3	BR6	2.2	0.0	2.5	150	323.3	110	237.1	
O	70	N4	BR4	0.9	0.0	2.5	100	88.2	85	74.9	
		N6	BR9	0.8	0.0	2.6	110	81.2	95	70.2	
		N7	BR6	2.5	0.0	2.5	150	367.3	110	269.4	
		N8	BR6	3.6	0.0	2.5	150	529.0	110	387.9	
		O1	BR5	1.8	0.0	2.5	115	202.8	85	149.9	
		O2	BR5	1.8	0.0	2.5	115	202.8	85	149.9	
		O3	BR6	1.8	0.0	2.5	150	235.1	110	172.4	
P	303	O4	BR4	1.0	45.0	2.5	100	69.3	85	58.9	
		O5	BR6	2.1	0.0	2.5	150	308.6	110	226.3	
		O6	BR5	2.2	0.0	2.5	115	247.8	85	183.2	
		P1	BR4	1.1	0.0	2.5	100	107.8	85	91.6	
		P2	BR9	0.8	0.0	2.5	110	86.2	95	74.4	
		BRACELINE REQUIREMENTS			Totals Achieved			W	3,623.3	E	2,748.2
		UNACHIEVED			Totals Required			W	2,073.5	E	2,730.0

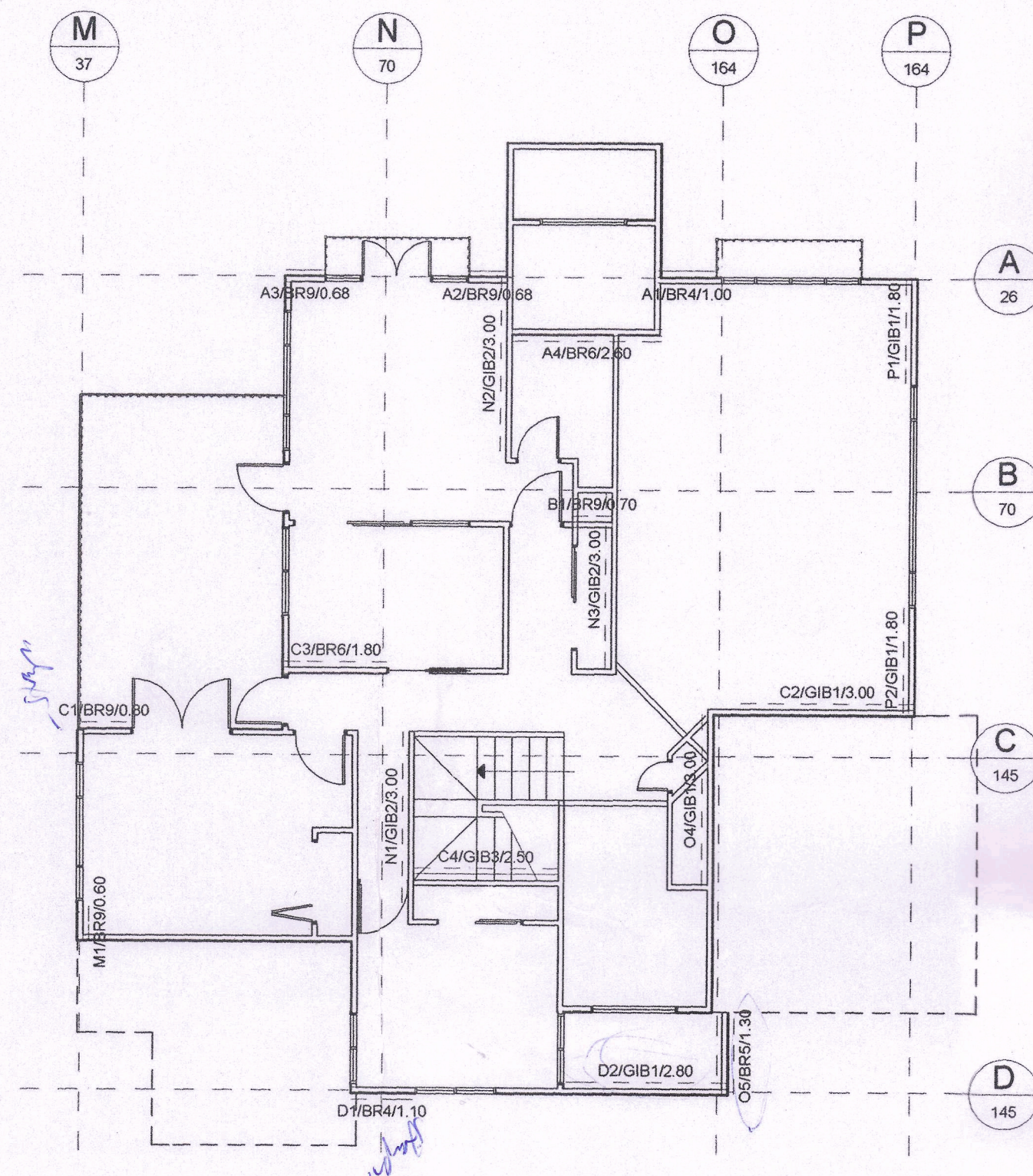
**SHEET
of 14 sheets
PALLET-FRAME HOUSE**

12.

FIRST FLOOR LINTON HOUSE
6 LINTON STREET
PO BOX 4143
PALMERSTON NORTH

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ARCHITECTS LTD.

06 356 5945 06 359 1840
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first floor
bracing plan.

BRACING CALCULATIONS										
Building Height to Apex		7.0 m		Location of Storey		Upper of Two				
Roof Height Above Eaves		2.0 m		Floor Load		2kPa				
Stud Height		3.0 m		Roof Weight		Heavy				
Roof Pitch		0 - 25 °		Cladding Weights:						
Hip Roof		No		- Subfloor		Concrete Floor				
Building Length (BL)		16.4 m		- Lower Floor		Medium				
Building Width (BW)		14.5 m		- Upper Floor		Medium				
Wind Zone		High		Room in Roof Space		No				
W along		73 BU/s/m		Gross Plan Area (GPA)		84.0 m2				
W across		63 BU/s/m		Earthquake Zone		A				
W along x BW		1,058.5 BU		EQ		9.9 BU/s/m2				
W across x BL		1,030.1 BU		EQ x GPA		831.6 BU				
ALONG										
Bracing Line		Bracing Elements Provided					Wind		Earthquake	
Line Label	Min BUs Required	Brace No.	Brace Type	Brace Length	Brace Angle	Brace Height	Rating BU/s/m	BUs Achieved	Rating BU/s/m	BUs Achieved
A	26	A1	BR4	1.0	0.0	1.5	55	88.0	85	136.0
		A2	BR9	0.7	0.0	1.5	110	118.8	95	102.6
		A3	BR9	0.7	0.0	1.5	110	118.8	95	102.6
		A4	BR6	2.6	0.0	1.5	150	624.0	110	457.6
B	70	B1	BR9	0.7	0.0	2.4	110	77.0	95	66.5
C	144	C1	BR9	0.8	0.0	2.4	110	88.0	95	76.0
		C2	GIB1	3.0	0.0	2.4	75	225.0	50	150.0
D	144	C3	BR6	1.8	0.0	2.4	150	270.0	110	198.0
		C4	GIB3	2.5	0.0	2.4	65	162.5	60	150.0
		D1	BR4	1.1	0.0	2.4	100	110.0	85	93.5
		D2	GIB1	2.8	0.0	1.5	75	336.0	50	224.0
BRACELINE REQUIREMENTS				Totals Achieved			W	1,434.7	E	1,133.5
UNACHIEVED				Totals Required			W	1,058.5	E	831.6
ACROSS										
Bracing Line		Bracing Elements Provided					Wind		Earthquake	
Line Label	Min BUs Required	Brace No.	Brace Type	Brace Length	Brace Angle	Brace Height	Rating BU/s/m	BUs Achieved	Rating BU/s/m	BUs Achieved
M	36	M1	BR9	0.6	0.0	2.4	110	66.0	95	57.0
N	70	N1	GIB2	3.0	0.0	2.4	80	240.0	70	210.0
		N2	GIB2	3.0	0.0	2.4	80	240.0	70	210.0
		N3	GIB2	3.0	0.0	2.4	80	240.0	70	210.0
O	163	O4	GIB1	3.0	0.0	2.4	75	225.0	50	150.0
		O5	BR5	1.3	0.0	1.5	115	239.2	85	176.8
P	163	P1	GIB1	1.8	0.0	2.4	55	99.0	50	90.0
		P2	GIB1	1.8	0.0	2.4	55	99.0	50	90.0
Totals Achieved							W	1,302.4	E	1,086.1
Totals Required							W	1,030.1	E	831.6

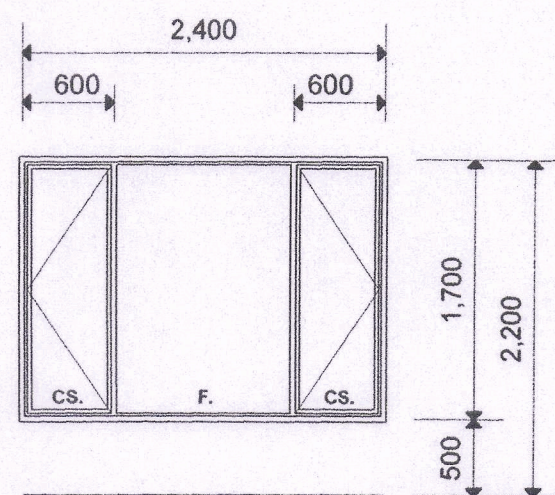
SHEET
of 14 sheets
PALLET-FRAME HOUSE

13.

FIRST FLOOR LINTON HOUSE
6 LINTON STREET
PO BOX 4143
PALMERSTON NORTH

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ARCHITECTS LTD.

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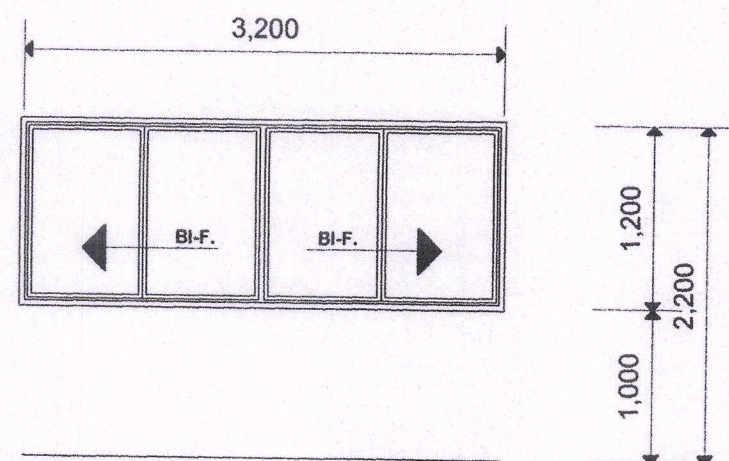
W1.

W1a. 2.4W X 1.3H 2 OFF.

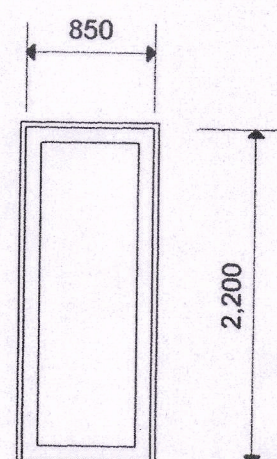
W1b. 3.0W X 1.7H

W1c. 2.4W X 1.5H 2 OFF.

W1d. 3.8W X 1.5H ALL SASHES FIXED.



W2.



W3. 2 OFF.

W3a. 1.5W X 1.2H

W3b. 1.4W X 1.7H

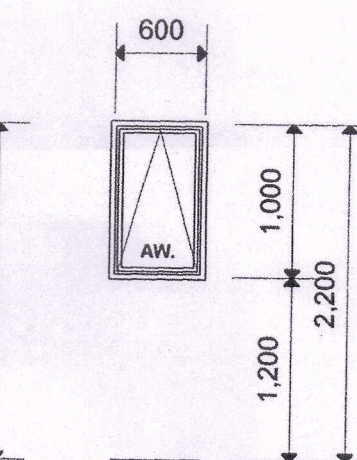
W3c. 1.4W X 1.5H

W3d. 1.2W X 1.2H 2 OFF.

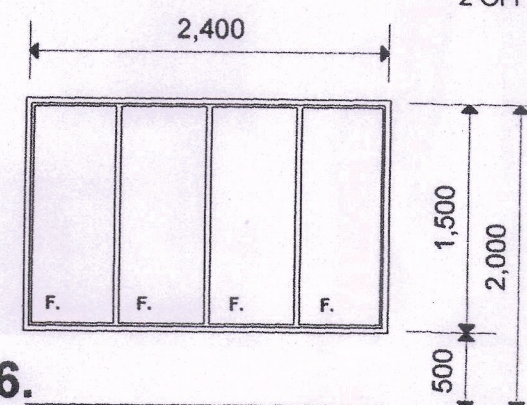
W3e. 1.5W X 1.4H

WD1.

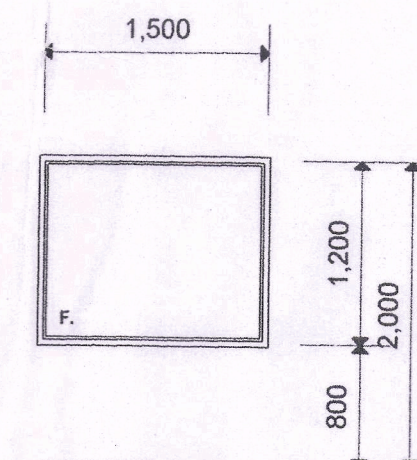
WD1a. 2 OFF.
0.8WX2.0H



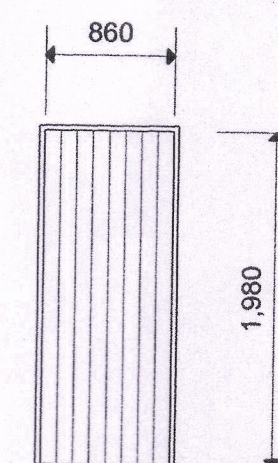
W4. 2 OFF.



W6.



W5. 2 OFF.



D3.

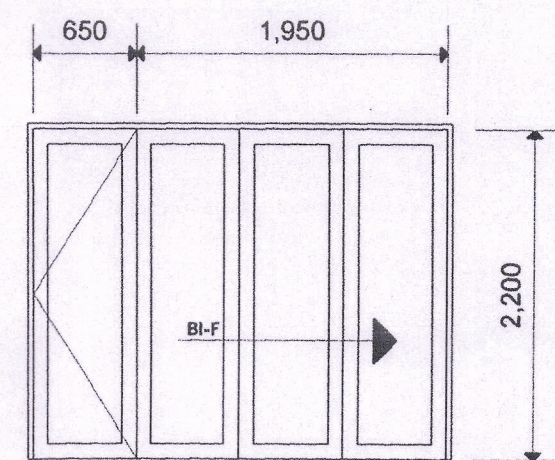
D4. 760 w

D5. 710 w

D6. 510 w

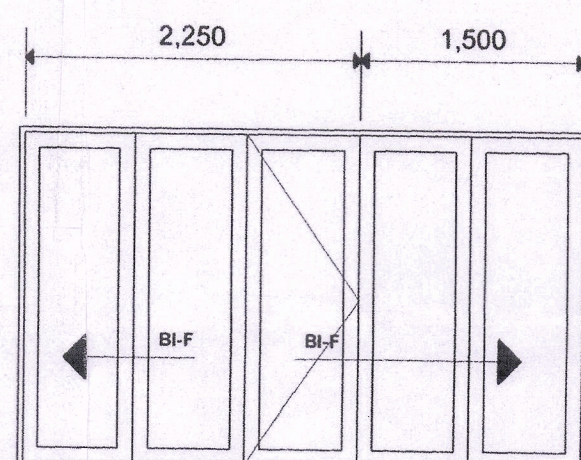
D7. 410 w

PAINT QUALITY
PANELLED DOORS

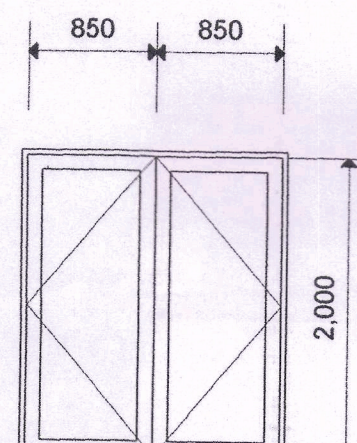


WD2.

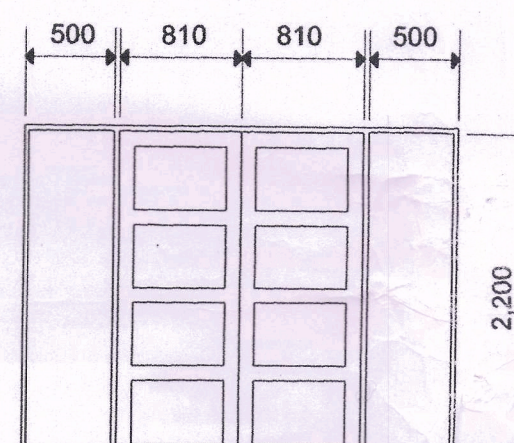
WD5. 2.0 HIGH.



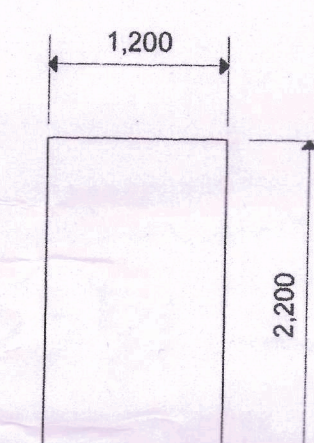
WD3.



WD4.



D1. 2 OFF.



D2. FRAMELESS TOUGHENED GLASS
PIVOT HINGED. 2 OFF

D2a. 1.4W CAVITY SLIDER. 2 OFF

D2b. 1.0W SLIDER. 3 OFF

window & door schedule.

SCALE 1:50.

NOTES:

All dimensions MUST be confirmed by

the Employer Prior to manufacturer.

All units viewed from the outside.

AW. Awning hung sashes.

F. fixed sashes.

CS. casement sash

BI-F Bi-Folding.

Ground floor head height = 2.2m

First floor head heights = 2.0m.

* indicates double glazed units.

SHEET
of 14 sheets
PALLET-FRAME HOUSE

14.

FIRST FLOOR LINTON HOUSE
6 LINTON STREET
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PALMERSTON NORTH

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