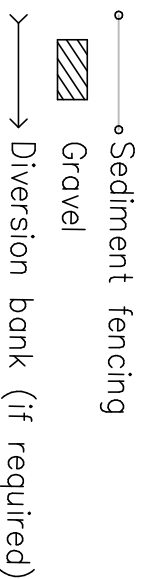
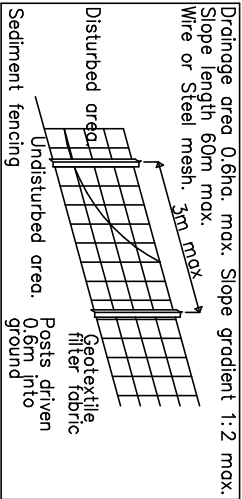


LEGEND	
POWER	P
WATER	W
SEWER	S
TELSTRA	T

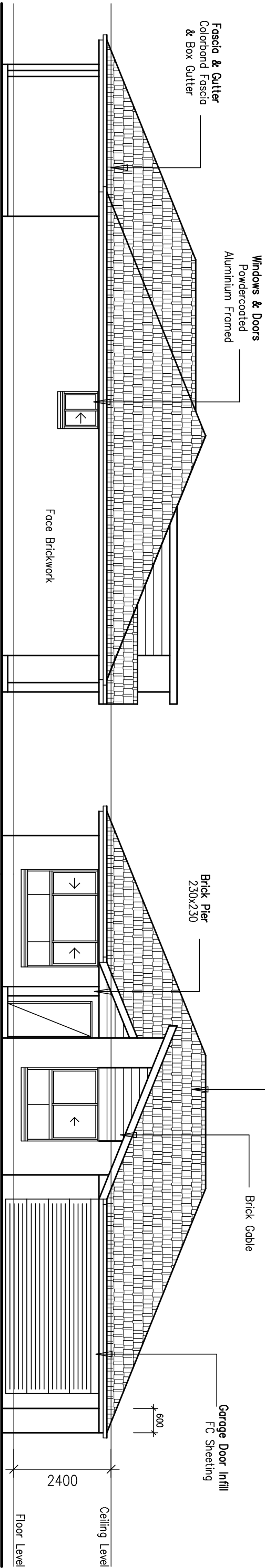


LOT 19 AREA 434m<sup>2</sup>

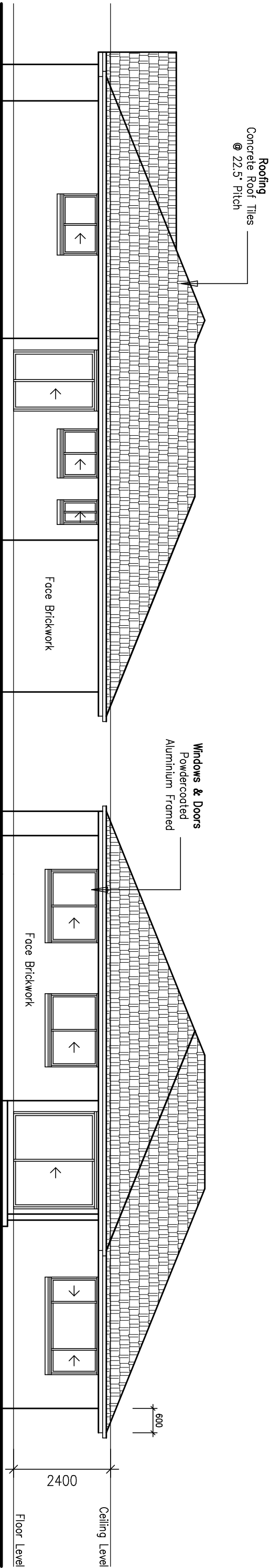
Builder to Confirm all  
Finished Floor Levels on Site

builder		project type		address		title		sheet	
<div><div>© Copyright</div><div>Copying of this Plan is Strictly Prohibited without Written Permission</div></div>		HIBBARD'S		PROPOSED RESIDENCE		LOT 19 STREET SUBURB		D.P. ??????	
BUILDER'S OF QUALITY HOMES 32 MOONEE ST COFFS HARBOUR B/LIC NO 41122C PH 02 66503300		client		HIBBARDS		SITE PLAN		BUILT TO BUILDERS DISCRETION	
						SCALE 1:200 @ A3		02	
								revision	
								A	

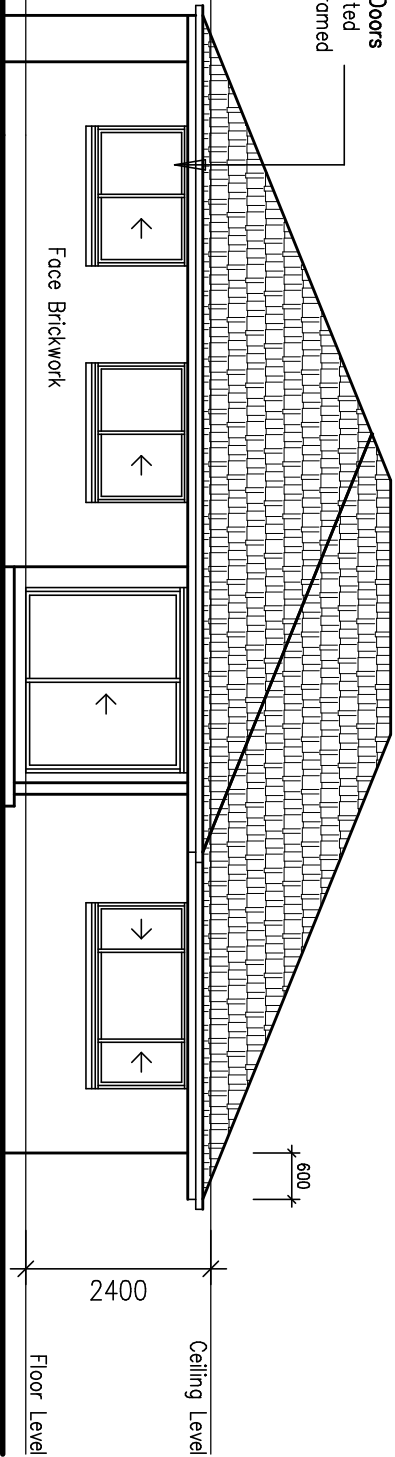




SIDE ELEVATION



SIDE ELEVATION



BACK ELEVATION

FRONT C

builder		project type		address		title		sheet	
<div><div>© Copyright</div><div>Copying of this Plan is Strictly Prohibited without Written Permission</div></div>		<div><div>HIBBARD'S</div><div>BUILDERS OF QUALITY HOMES</div><div>B/LIC NO 41122C</div><div>PH 02 66503500</div></div>		<div><div>PROPOSED RESIDENCE</div></div>		<div><div>LOT 19</div><div>STREET</div><div>COFFS HARBOUR</div></div>		<div><div>ELEVATIONS</div><div>BUILT TO BUILDERS DISCRETION</div><div>SCALE 1:100 @ A3</div></div>	
								<div><div>04</div><div>revision</div><div>A</div></div>	

# BASIX<sup>®</sup>Certificate

Building Sustainability Index [www.basix.nsw.gov.au](http://www.basix.nsw.gov.au)

## Single Dwelling

Certificate number: 489052S

This certificate confirms that the proposed development will meet the NSW government's requirements for sustainability, if it is built in accordance with the commitments set out below. Terms used in this certificate, or in the commitments, have the meaning given by the document entitled "BASIX Definitions" dated 29/06/2009 published by the Department of Planning. This document is available at [www.basix.nsw.gov.au](http://www.basix.nsw.gov.au)

Director-General

Date of issue: Wednesday, 19 June 2013

To be valid, this certificate must be lodged within 3 months of the date of issue.



### Project summary

Project name	Lot 19 Pettina Park, Coffs Harbour
Street address	19 Pettina Park Coffs Harbour 2450
Local Government Area	Coffs Harbour City Council
Plan type and plan number	deposited 1044292
Lot no.	19
Section no.	-
Project type	separate dwelling house
No. of bedrooms	4

### Project score

Water	✓ 40	Target 40
Thermal Comfort	✓ Pass	Target Pass
Energy	✓ 43	Target 40

### Certificate Prepared by

Name / Company Name: Paul Treseder

ABN (if applicable): 56388046140

# Description of project

## Project address

Project name	Lot 19 Pettina Park, Coffs Harbour
Street address	19 Pettina Park Coffs Harbour 2450
Local Government Area	Coffs Harbour City Council
Plan type and plan number	Deposited Plan 1044292
Lot no.	19
Section no.	-

## Project type

Project type	separate dwelling house
No. of bedrooms	4

## Site details

Site area (m <sup>2</sup> )	434
Roof area (m <sup>2</sup> )	220
Conditioned floor area (m2)	112
Unconditioned floor area (m2)	11
Total area of garden and lawn (m2)	250

## Assessor details and thermal loads

Assessor number	n/a
Certificate number	n/a
Climate zone	n/a
Area adjusted cooling load (MJ/m <sup>2</sup> .year)	n/a
Area adjusted heating load (MJ/m <sup>2</sup> .year)	n/a

## Other

none	n/a
------	-----

## Project score

Water	✓ 40	Target 40
Thermal Comfort	✓ Pass	Target Pass
Energy	✓ 43	Target 40

## Schedule of BASIX commitments

The commitments set out below regulate how the proposed development is to be carried out. It is a condition of any development consent granted, or complying development certificate issued, for the proposed development, that BASIX commitments be complied with.

Water Commitments	Show on DA plans	Show on CC/CDC plans & specs	Certifier check
<b>Fixtures</b>			
The applicant must install showerheads with a minimum rating of 3 star (> 7.5 but <= 9 L/min) in all showers in the development.		✓	✓
The applicant must install a toilet flushing system with a minimum rating of 3 star in each toilet in the development.		✓	✓
The applicant must install taps with a minimum rating of 3 star in the kitchen in the development.		✓	
The applicant must install basin taps with a minimum rating of 3 star in each bathroom in the development.		✓	
<b>Alternative water</b>			
<b>Rainwater tank</b>			
The applicant must install a rainwater tank of at least 3000 litres on the site. This rainwater tank must meet, and be installed in accordance with, the requirements of all applicable regulatory authorities.	✓	✓	✓
The applicant must configure the rainwater tank to collect rain runoff from at least 200 square metres of the roof area of the development (excluding the area of the roof which drains to any stormwater tank or private dam).		✓	✓
The applicant must connect the rainwater tank to: <ul style="list-style-type: none"> <li>all toilets in the development</li> <li>the cold water tap that supplies each clothes washer in the development</li> <li>at least one outdoor tap in the development (Note: NSW Health does not recommend that rainwater be used for human consumption in areas with potable water supply.)</li> </ul>		✓ ✓ ✓	✓ ✓ ✓

## Thermal Comfort Commitments

Show on  
DA plans

Show on CC/CDC  
plans & specs

Certifier  
check

### Floor, walls and ceiling/roof

The applicant must construct the floor(s), walls, and ceiling/roof of the dwelling in accordance with the specifications listed in the table below.



Construction	Additional insulation required (R-Value)	Other specifications
floor - concrete slab on ground	nil	
external wall - brick veneer	1.36 (or 1.90 including construction)	
external wall - brick veneer	1.36 (or 1.90 including construction)	
external wall - brick veneer	1.36 (or 1.90 including construction)	
external wall - brick veneer	1.36 (or 1.90 including construction)	
internal wall shared with garage - plasterboard	nil	
ceiling and roof - flat ceiling / pitched roof	ceiling: 2.5 (down), roof: foil/sarking	unventilated; dark (solar absorptance > 0.70)

**Note** Insulation specified in this Certificate must be installed in accordance with Part 3.12.1.1 of the Building Code of Australia.

Thermal Comfort Commitments	Show on DA plans	Show on CC/CDC plans & specs	Certifier check
<b>Windows, glazed doors and skylights</b>			
The applicant must install the windows, glazed doors and shading devices described in the table below, in accordance with the specifications listed in the table. Relevant overshadowing specifications must be satisfied for each window and glazed door.	✓	✓	✓
The dwelling may have 1 skylight (<0.7 square metres) and up to 2 windows/glazed doors (<0.7 square metres) which are not listed in the table.	✓	✓	✓
The following requirements must also be satisfied in relation to each window and glazed door:	✓	✓	✓
<ul style="list-style-type: none"> <li>Except where the glass is 'single clear' or 'single toned', each window and glazed door must have a U-value no greater than that listed and a Solar Heat Gain Coefficient (SHGC) +/-10% of that listed. Total system U-values and SHGC must be calculated in accordance with National Fenestration Rating Council (NFRC) conditions.</li> </ul>			✓
<ul style="list-style-type: none"> <li>The leading edge of each eave, pergola, verandah, balcony or awning must be no more than 500 millimetres above the head of the window or glazed door, except that a projection greater than 500 mm and up to 1500 mm above the head must be twice the value in the table.</li> </ul>	✓	✓	✓
<ul style="list-style-type: none"> <li>Pergolas with polycarbonate roof or similar translucent material must have a shading coefficient of less than 0.35.</li> </ul>		✓	✓
<ul style="list-style-type: none"> <li>Unless they have adjustable shading, pergolas must have fixed battens parallel to the window or glazed door above which they are situated, unless the pergola also shades a perpendicular window. The spacing between battens must not be more than 50 mm.</li> </ul>		✓	✓

Window/glazed door no.	Orientation	Maximum area (square metres)	Type	Shading	Overshadowing
1818sw	SE	3.24	improved aluminium, single clear (U-value:6.44, SHGC:0.75)	none	not overshadowed
1824sw	SE	4.32	improved aluminium, single clear (U-value:6.44, SHGC:0.75)	eave/verandah/pergola/balcony 451-600 mm	not overshadowed
0909sw	SW	0.81	improved aluminium, single clear (U-value:6.44, SHGC:0.75)	eave/verandah/pergola/balcony 451-600 mm	not overshadowed
1224sw	NW	2.43	improved aluminium, single clear (U-value:6.44, SHGC:0.75)	eave/verandah/pergola/balcony 451-600 mm	not overshadowed
2124sd	NW	5.04	improved aluminium, single clear (U-value:6.44, SHGC:0.75)	eave/verandah/pergola/balcony >2,000 mm	not overshadowed
1218sw	NW	2.16	improved aluminium, single clear (U-value:6.44, SHGC:0.75)	eave/verandah/pergola/balcony 451-600 mm	not overshadowed





Window/glazed door no.	Orientation	Maximum area (square metres)	Type	Shading	Overshadowing
1218sw	NW	2.16	improved aluminium, single clear (U-value:6.44, SHGC:0.75)	eave/verandah/pergola/balcony 451-600 mm	not overshadowed
0906sw	NE	0.54	improved aluminium, single clear (U-value:6.44, SHGC:0.75)	none	not overshadowed
0912sw	NE	1.08	improved aluminium, single clear (U-value:6.44, SHGC:0.75)	none	not overshadowed
2115sd	NE	3.15	standard aluminium, single pyrolytic low-e (U-value:5.7, SHGC:0.47)	none	not overshadowed
0915sw	NE	1.35	improved aluminium, single clear (U-value:6.44, SHGC:0.75)	eave/verandah/pergola/balcony 451-600 mm	not overshadowed


Energy Commitments	Show on DA plans	Show on CC/CDC plans & specs	Certifier check
<b>Hot water</b>			
The applicant must install the following hot water system in the development, or a system with a higher energy rating: gas storage with a performance of 5 stars.	✓	✓	✓
<b>Cooling system</b>			
The living areas must not incorporate any cooling system, or any ducting which is designed to accommodate a cooling system.		✓	✓
The bedrooms must not incorporate any cooling system, or any ducting which is designed to accommodate a cooling system.		✓	✓
<b>Heating system</b>			
The living areas must not incorporate any heating system, or any ducting which is designed to accommodate a heating system.		✓	✓
The bedrooms must not incorporate any heating system, or any ducting which is designed to accommodate a heating system.		✓	✓
<b>Ventilation</b>			
The applicant must install the following exhaust systems in the development: At least 1 Bathroom: no mechanical ventilation (ie. natural); Operation control: n/a  Kitchen: individual fan, not ducted; Operation control: manual switch on/off  Laundry: natural ventilation only, or no laundry; Operation control: n/a		✓ ✓ ✓	✓ ✓ ✓
<b>Natural lighting</b>			
The applicant must install a window and/or skylight in 3 bathroom(s)/toilet(s) in the development for natural lighting.	✓	✓	✓
<b>Other</b>			
The applicant must install a fixed outdoor clothes drying line as part of the development.		✓	

## Legend

In these commitments, "applicant" means the person carrying out the development.

Commitments identified with a  in the "Show on DA plans" column must be shown on the plans accompanying the development application for the proposed development (if a development application is to be lodged for the proposed development).

Commitments identified with a  in the "Show on CC/CDC plans and specs" column must be shown in the plans and specifications accompanying the application for a construction certificate / complying development certificate for the proposed development.

Commitments identified with a  in the "Certifier check" column must be certified by a certifying authority as having been fulfilled, before a final occupation certificate (either interim or final) for the development may be issued.

# \* HIBBARDS \*

## \* PROPOSED DWELLING \*

Sheet 1 Cover page + Drawing Schedule + Basix  
Sheet 2 Site Plan  
Sheet 3 Slab + Drainage Plan  
Sheet 4 Floor Plan  
Sheet 5 Roof Plan  
Sheet 6 Elevations  
Sheet 7 Section

### BASIX

#### Water Details

Area garden/lawn: 250  
Area native species: 0  
3 Star Taps to all plumber fixture's.  
3 Star rated shower heads.  
3 Star rated flushing W.C x two.  
Roof runoff area 220 Sqm.  
200 Sqm runoff to rainwater tank  
Down pipe's are to discharge  
into rain water tank.  
Rain water tank size 3000 ltr.  
Rain water connected to:  
Garden & Lawn, all WC's, laundry,  
Rain water tank overflow is to  
discharge to interalotment drain.

### BASIX

#### Energy

Solar Absorptance >0.70 Dark  
Hot water: 5 Star Gas LPG  
Cooling: N/A  
Heating: N/A  
No active heating to Bedrooms  
Natural ventilation to Bathrooms  
Kitchen exhaust: individual fan,  
not ducted. Manual on/off switch.  
Natural ventilation to laundry  
Electric oven & Cooktop  
Outdoor clothes line to be installed

### BASIX

#### Thermal Comfort

R3.0 Insulation to ceiling.  
R1.5 insulation to outside walls.  
R1.5 Insulation to internal garage walls  
Sisalation to outside walls  
Concrete roof tiles with Sarking.  
Eave & gutter width 600mm

Window Type	Material	Notes	Qty
1818sw	U-Value: 6.44 SHGC:0.75	Bedroom 2	1
1824sw	U-Value: 6.44 SHGC:0.75	Theatre	1
0909sw	U-Value: 6.44 SHGC:0.75	Ensuite	1
1224sw	U-Value: 6.44 SHGC:0.75	Bedroom 1	1
2124sd	U-Value: 6.44 SHGC:0.75	Family Room	1
1218sw	U-Value: 6.44 SHGC:0.75	Bedroom 3 & 4	2
0906sw	U-Value: 6.44 SHGC:0.75	W/C	1
0912sw	U-Value: 6.44 SHGC:0.75	Bathroom	1
2115sd	U-Value: 5.7 SHGC:0.47	Laundry	1
0915sw	U-Value: 6.44 SHGC:0.75	Garage	1

FRONT PAGE

Scale N.A

**HIBBARDS**  
BUILDERS OF QUALITY HOMES  
32 Moonee St, Coffs Harbour, NSW 2450  
  
PAUL TRESEDER  
DRAFTING SERVICES  
16 Cowell Street, Gladesville, NSW, 2111  
Mobile: 0432128545

CLIENT:  
PROPOSED DWELLING FOR  
HIBBARDS  
  
LOCATED AT LOT 19  
PETTINA PARK  
COFFS HARBOUR, NSW

NOTE.  
DOOR SIZES SHOWN REFER TO DOOR SIZES  
NOT THE OPENING WIDTH.  
DO NOT SCALE OFF DRAWING  
READ ALL DIMENSIONS.  
CHECK ALL DIMENSIONS ON SITE  
BEFORE FABRICATING ANYTHING.  
DRAWINGS TO BE CHECKED BY A  
PRACTICING STRUCTURAL ENGINEER  
PRIOR TO CONSTRUCTION.  
THESE DRAWINGS ARE SUBJECT TO COPYRIGHT.

DATE: 19/06/2013	SHEET No: 1 of 1
REF: HIB-13/023 JOB CODE	BLN : 41122C