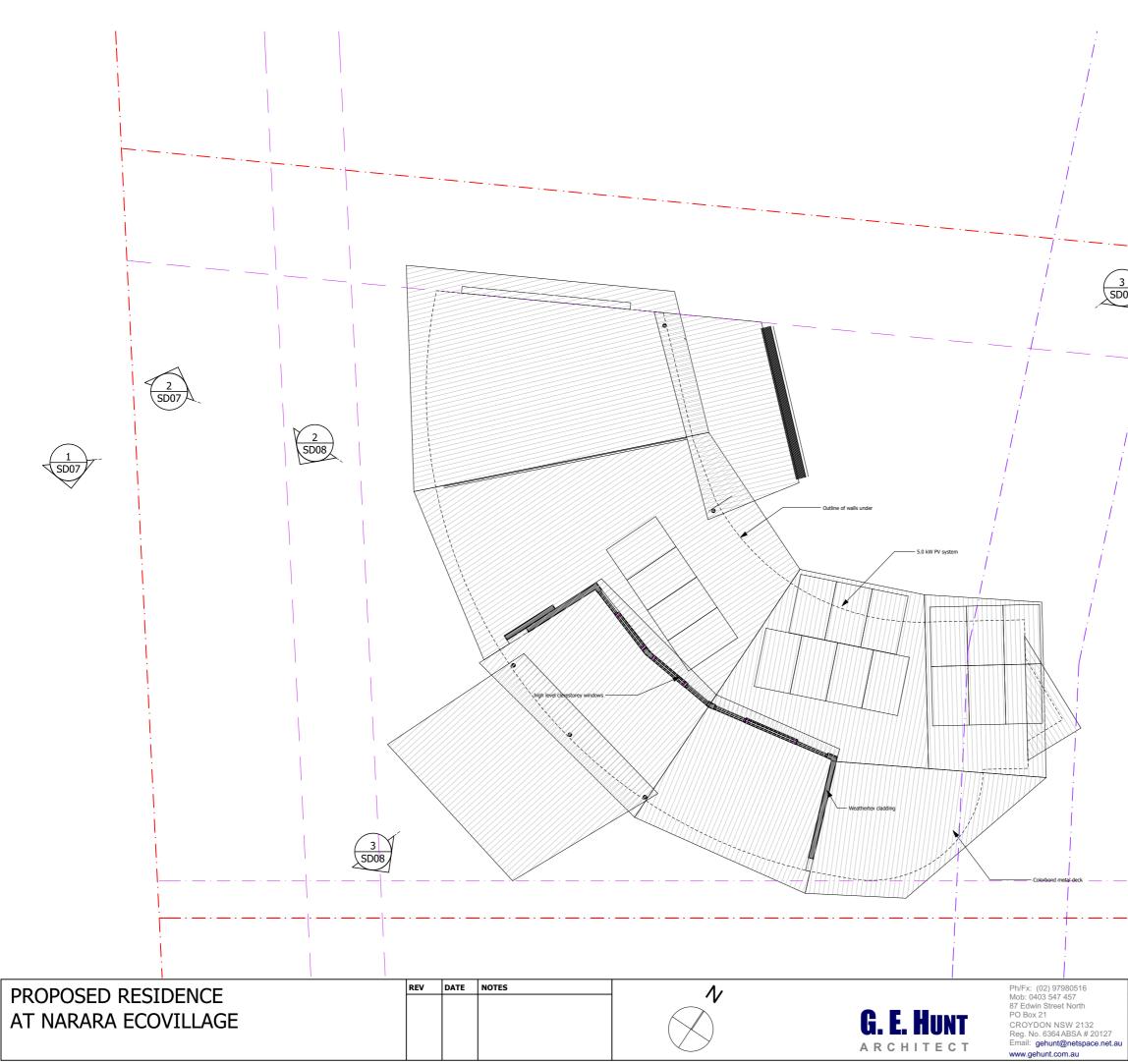


	REV	DATE	NOTES	1/		Ph/Fx: (02) 97980516
PROPOSED RESIDENCE					_ _ _ _	Mob: 0403 547 457 87 Edwin Street North
AT NARARA ECOVILLAGE					G. E. HUNT	PO Box 21 CROYDON NSW 2132 Reg. No. 6364 ABSA # 20127
					ARCHITECT	Email: gehunt@netspace.net.au www.gehunt.com.au





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		1 (5)007	
			2 SD07
1	SCALE 1:100 @ A3 DATE 26/05/2017 SD04	ROOF PLAN	draft DA



NORTH WEST ELEVATION





NORTH EAST ELEVATION

PROPOSED RESIDENCE AT NARARA ECOVILLAGE

REV	DATE	NOTES	



Ph/Fx: (02) 97980516 Mob: 0403 547 457 87 Edwin Street North PO Box 21 CROYDON NSW 2132 Reg. No. 6364 ABSA # 20127 Email: gehund@netspace.net.au www.gehunt.com.au

	SCALE	1:5.58, 1:100	@ A3	draft DA
	DATE	26/05/2017		
			NE & NW	
I	SD05		ELEVATIONS	



PROPOSED RESIDENCE
AT NARARA ECOVILLAGE

REV	DATE	NOTES



 SCALE
 1:4

 Mob: 0403 547 457
 SCALE
 1:4

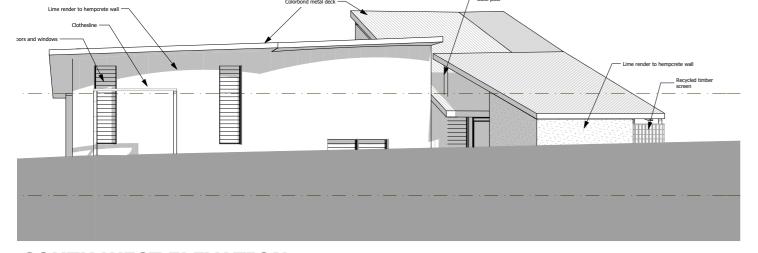
 Mob: 0403 547 457
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 87 Edwin Street North PO Box 21
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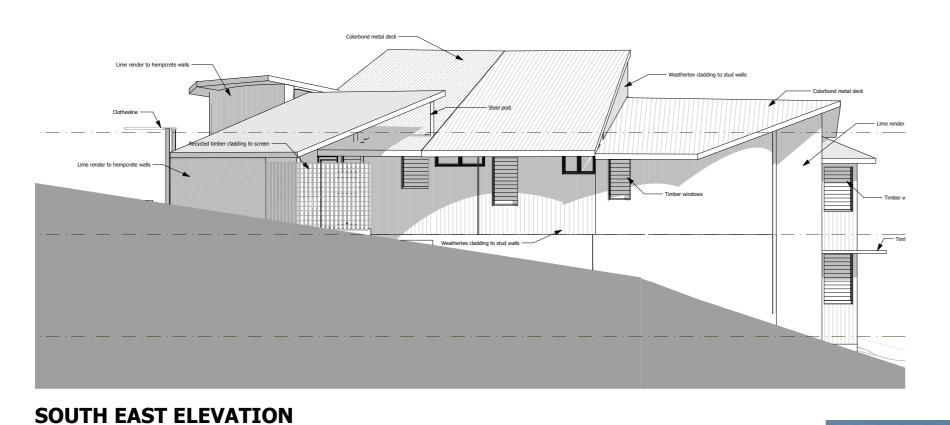
 CROYDON NSW 2132
 Reg. No. 6364 ABSA # 20127
 SDD06

 Email: gehunt@netspace.net.au
 SDD06

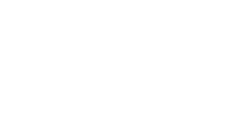
SOUTH WEST ELEVATION









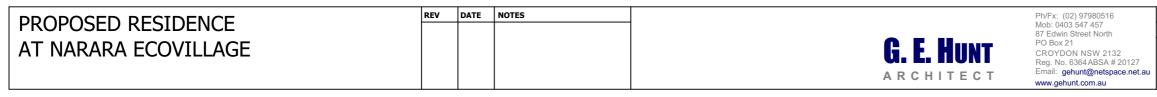




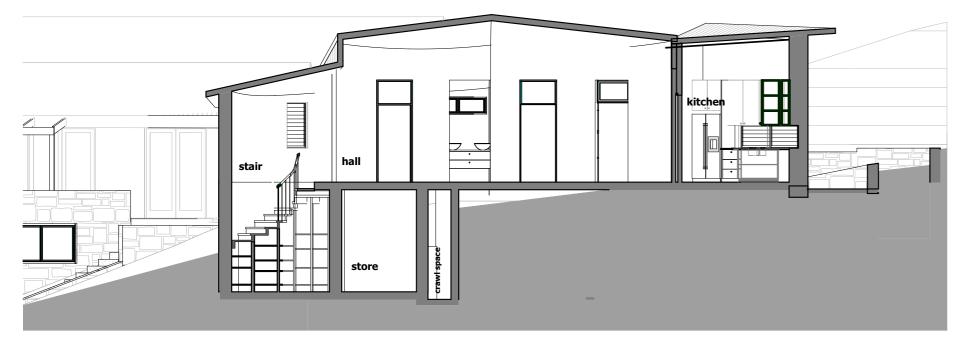
SECTION BB



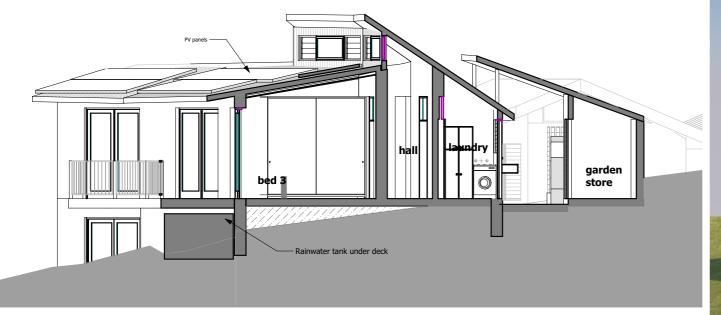
SECTION AA



SD0	7	SECTION AA & BB
DATE	26/05/2017	
SCALE	1:100 @ A3	draft DA



SECTION CC





SECTION DD

PROPOSED RESIDENCE AT NARARA ECOVILLAGE

REV	DATE	NOTES



 Scale
 1

 Mob: 0403 547 457
 B7 Edwin Street North
 DATE
 2

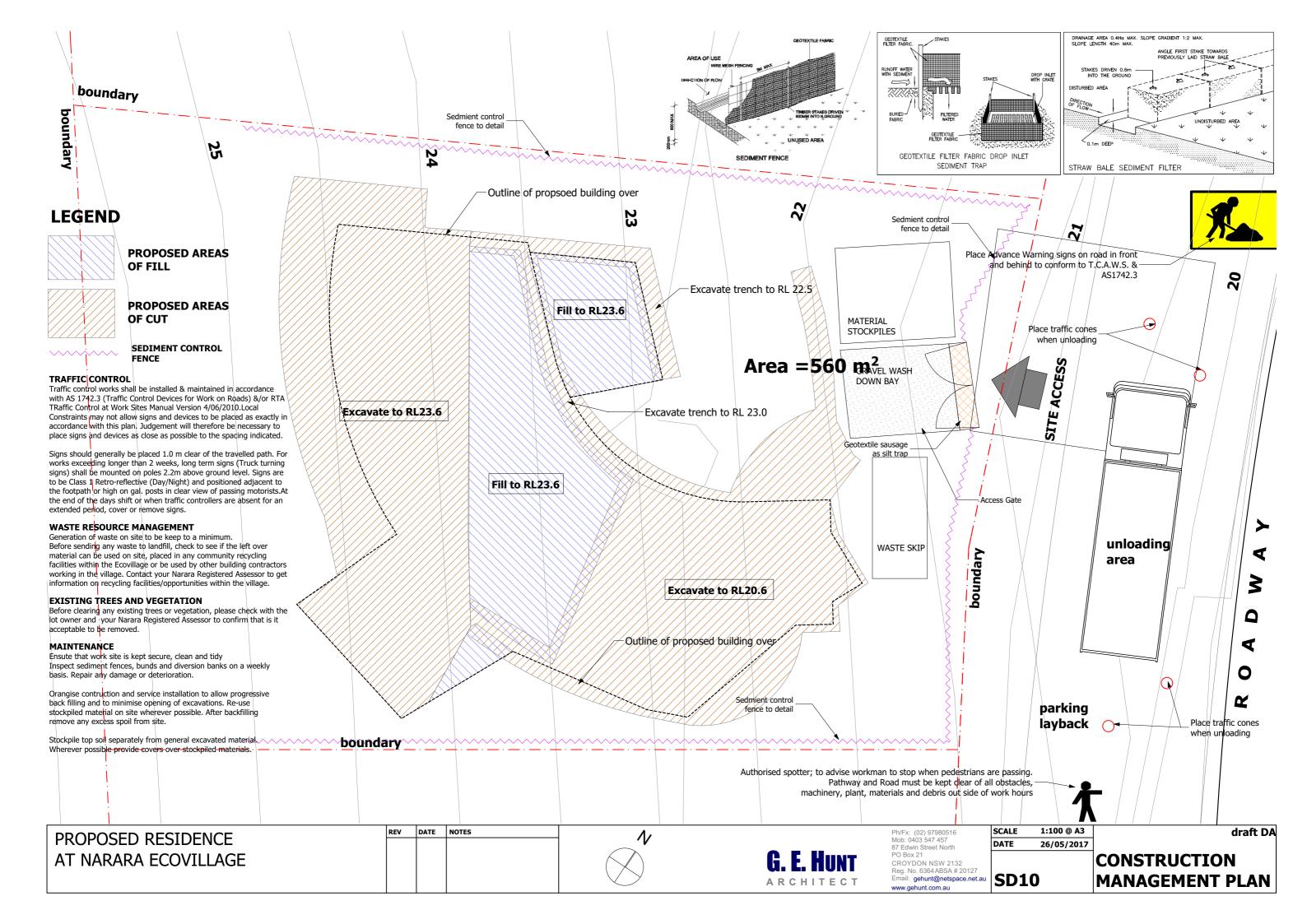
 VD Box 21
 CROYDON NSW 2132
 Reg. No. 6364 ABSA # 20127
 SD08

 Email: gehunt@netspace.net.au
 www.gehunt.com.au
 SD08





SCALE	1:100 @ A3		draft DA
DATE	26/05/2017		
SD0	9	LANDSCAPE	



Item	Description	
Rainwater tank	3,500 litre conn	ected to garden
Hot Water system	Sanden 250l. el	ectric heat pump
NEV Recycled Water	connected to to	ilets and garden
Water Fixtures	Showers	max. 6.5 l/minute
	Toilets	4 star WELS rating
	Taps	5 star WELS rating
Heating and Cooling	Ceiling fans on	y
Lighting	LED fixtures thr	oughout
Renewable Energy	5kW PV system	connect to NEV mini-grid
Appliances	Induction cook clothesline	top, electric oven, ventilated fridge space, external & sheltered

Item	Material	Insulation
External Walls	300 mm th. Hempcrete fixed to stud wall framing with lime render both sides medium colour external	None
	Weathertex fixed to battens with breathable membrane fixed to stud wall framing with MGO board internally dark colour external	R2.5 high density polyester insulation
Internal walls	350 mm th. rammed earth wall	None
	MGO lined stud walls -	R2.5 high density polyester insulation
Roof	Metal deck with, light colour	Breathable membrane - CSR ProctorWrap HTF
Ceilings	Plasterboard	R5.0 polyester insulation
Floor structure	Concrete	
Floor finishes	Burnished concrete except floating timber to part living room, kitchen, hall, tiles to wet areas	N/A
Windows	Sliding windows, Sliding glazed doors, louvre and fixed windows - timber framed with single clear glass U value = 5.4 SHGC = 0.63 or equivalent Awning and casement windows, hinged glazed doors - timber framed with single clear glass U value = 5.4 SHGC = 0.56 or equivalent All external doors and windows to be fitted with draught excluding weather stripping	
Lighting	No recessed downlights	
General	Insulation, services and sealing of the building to be in accordance with BCA NSW 3.12. All exhaust fans to be max. 180 mm dia. be sealed or fitted with damper and exhaust through roof	

Item	Description
Rainwater Pump	Efficient pump fitted with 30 I holding tank
Hot Water system	Electric heat pump fitted with timer to run during middle of day
Heating and Cooling	Ceiling fans only
Lighting	LED fixtures throughout 3.5 W/m2 for interior of houses 2.8 W/m2 for verandah, balcony or deck of houses, 2.0 W/m2 for outbuildings (sheds and garages).
Renewable Energy	Battery system to be connected to PV system within 5 years
Appliances	Fridge/freezer of 2.5 stars - Model No. Dishwasher 4 stars - Model No. Clothes washer 4 stars - Model No. Clothes dryer 2.5 stars - Model No.

MATERIAL SPECIFI	Material	Notes		
Renewable	External walls - Hempcrete	Hempcrete which uses hemp fibres - a renewable plan		
Materials It is estimated that		Hunter Valley. The frame of all external walls will be H2 (Australian Forestry Standard) chain of custody and trea Preservative		
approx. 30% of the main structure will	External walls Mantheat			
be from renewable materials – being	External walls - Weathertex	The remaining external walls use Weathertex cladding the timber logging and milling process and has a Platin		
approx. 85 m ³ of a tail structure volume of 195 m ³ .	Internal walls	A large portion of the internal walls will be rammed eard as there is only a finite amount of naturally occurring ear energy in its production. It is hoped that the some of th created with the subdivision infrastructure project could case then the energy involved in transporting such a pri location can be avoided and thus further reducing the in		
	Floor finishes	The linoleum floor covering in the bedrooms is made fro oil, jute and flax.		
Recycled Content	Fill	Most of the fill under the concrete slab will be salvaged subdivision infrastructure works.		
	Concrete	The floors will be made from reinforced concrete. The r scrap metal. The concrete specified will use recycled ag sources. The amount of Portland cement in the mix will as fly ash which is a recycled waster product from coal is a by-product from steel production.		
	Subfloor and foundation walls	Recycled bricks will be used for all subfloor, foundation to allow for ease of disassembly.		
	Insulation	The polyester insulation used in the roof and the lightw		
	Floor finishes	bottles. The timber flooring in the kitchen, living room and hally from a mill on the north coast.		
	Fixtures and fittings	Most of the light fittings will be second hand light fitting yards. Sanitary fixtures and bathroom fittings will be sourced a The kitchen will be made from second hand or –repurp		
	External paving	External paying will use recycled bricks or concrete pay		
Durable Materials	Metal roofing	sandstone for paths. A warranty of 30 years should be available for the Blue years for the Colorbond gutters and downpipes. The ad		
	PV system	confirmed after the installation has been checked. The PV panels to be installed on the roof will have a 25		
	External walls - Hempcrete	10 yr warranty As the hempcrete walls are handmade, no product war		
		hempcrete has been found that has survived from the 6 resistance and provided all round with decent eaves to is expected.		
	Floor finishes	Internal floor finishes are all expected to have a long lif decades. The burnished finish to the concrete floors in t to the slab and will not deteriorate. The recycled hardw although depending on wear, it may need re-surfacing p in the bedrooms is another long lasting product which v		
Low Health Impact Materials	External walls - Hempcrete	The external walls will primarily be hempcrete construc form of construction is breathable which will minimise t of mould inside the home.		
	Insulation	The polyester insulation is low allergenic.		
	Paints, adhesives and sealants	All paints and adhesives to be used internally in the hor compound) in accordance with the following :- USE Timber Flooring Adhesive Resilient Flooring Adhesives		
		Ceramic/Stone Tiling adhesives Dry Wall and Panel Adhesives Multi-purpose construction adhesives Architectural sealants Paint Interior undercoat/sealer Paint interior - flat , low sheen and semi-gloss Paint interior - gloss Interior paints generally will also be breathable mineral A schedule of all adhesives and sealants to be used on to VOC levels to be submitted by the contractor prior to co		
End of Life	Design	The design has a lower level which will initially be a stu its own access which allows flexibility in terms of a horr to work from home when required. This space also has dwelling on the upper floor and altered to become a se to adjust for changing family size and make-up.		
	Disassembly	The roof sheeting and framed will all be screw fixed to life or when renovations occur. Similarly the Weatherte be easily removed and be available for re-use. All struc welded and so can be easily disassembled for recycling		
		Rammed earth walls can be broken up and the resulta Recycled bricks used foundation and retaining walls wil demolition and cleaning for re-use.		
	Services	Service equipment such as the hot water system, PV im semi-open screened area next to the garden store and replacement. The PV system will be located on roofs th which they can be accessed which makes servicing and that by then end of the PV panel's life, there will be opl panels will be available. There are already schemes to o be introduced into Australia in the next few years.		

	revision	date	notes
naterial which is locally grown in the imber sourced through the AFS ed with permethrin Light Organic Solvent			
hich is made from waste materials from n GreenTag rating			
. Although not strictly a renewable produc th, it is a natural material that entails little significant amount of spoil that has been be used for the rammed earth. If this is the duct to the site from a remote quarry or pact.			
n natural renewable materials – linseed			
rom the excess spoil left over from the			
nforcing steel is all made from recycled regate from crushed concrete and other e reduced by the use of substitutes such ower stations or blast furnace slag which			
nd retaining walls and laid in lime mortar			
ght walls is 100% recycled from PET			
ay will be recycled hardwood sourced			
salvaged from demolition and recycling			
s second hand where possible. sed cabinets and fittings where possible.			
rs and recycled crushed aggregate or			
ope Colorbond roof sheeting and 20 al extent of the warranty will only be			
rr warranty. The PV inverter will have a inty can be provided. However, a sample o ⁶ Century AD. It is fire and termite ensure weather protection and so a long life			
and not likely to need replacement for the dining/living room and study is integral od floor should last for many years ossible once every ten years. The linoleum ill come with a 10 year warranty. on with lime render on both faces. This e risk of condensation and the occurrence	RES AT	POS IDEN Lot 1 RARA	ICE
) VILL	AGE
e will be low VOC (volatile organic			rah &
VOC Content (grams/litre) 100			
60 65 50 70 250 65 16	Dan	iel M	Onr
75 pased paints. ne project including data sheets confirming mmencing construction.	G	. E. I	IUNT
ly/home office with separate toilet. This hat e business operation allowing the occupant the potential to be closed off from the mair harate dwelling space to allow for flexibility	Ph/F Mob PO I CRC	RCHI x: (02) 9798 : 0403 547 4 30x 21 DYDON NSV . No. 6364	57
llow for disassembly and recycling at end o cladding will also be screw fixed and can ural steel work shall be bolt connected not	ABŠ Ema SCALE	A # 20127 il: gehunt@r 1:1 1:2	netspace.net.au .91, 1:1.74, 1:1 .02, 1:2.01 @ A
t material available to be used as fill. be laid in lime mortar to allow for ease of	DATE	26	draft D
erter and battery bank will be located in a are readily accessible for servicing and at are less than 3.0 m above decks from replacement straight forward. It is expected ons for disassembling and recycling the o this operating overseas and they should	SD:		CATION
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notes

