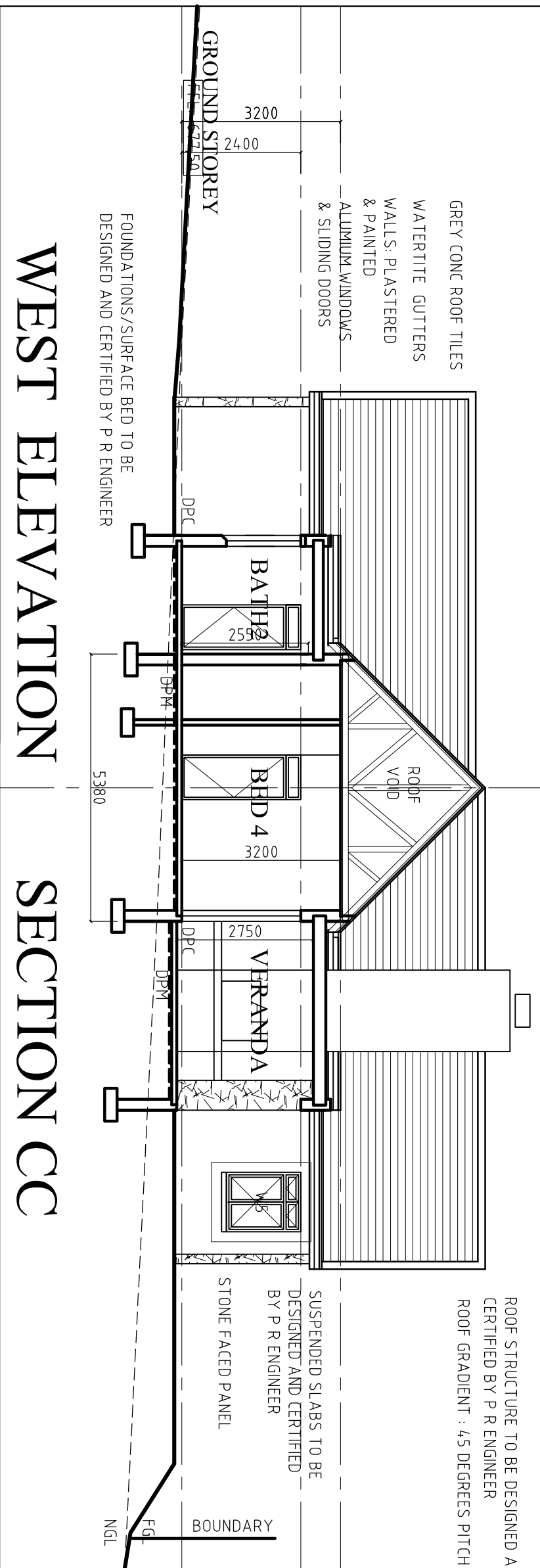


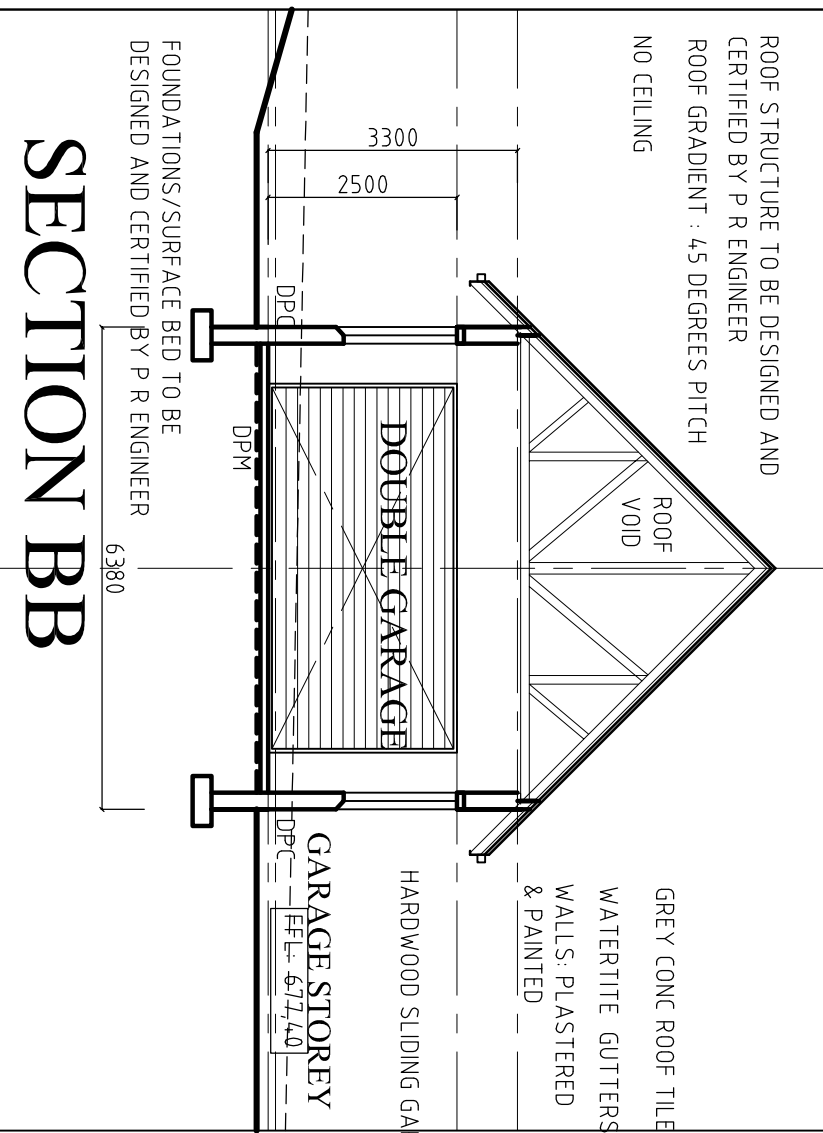
EAST ELEVATION

SECTION DD

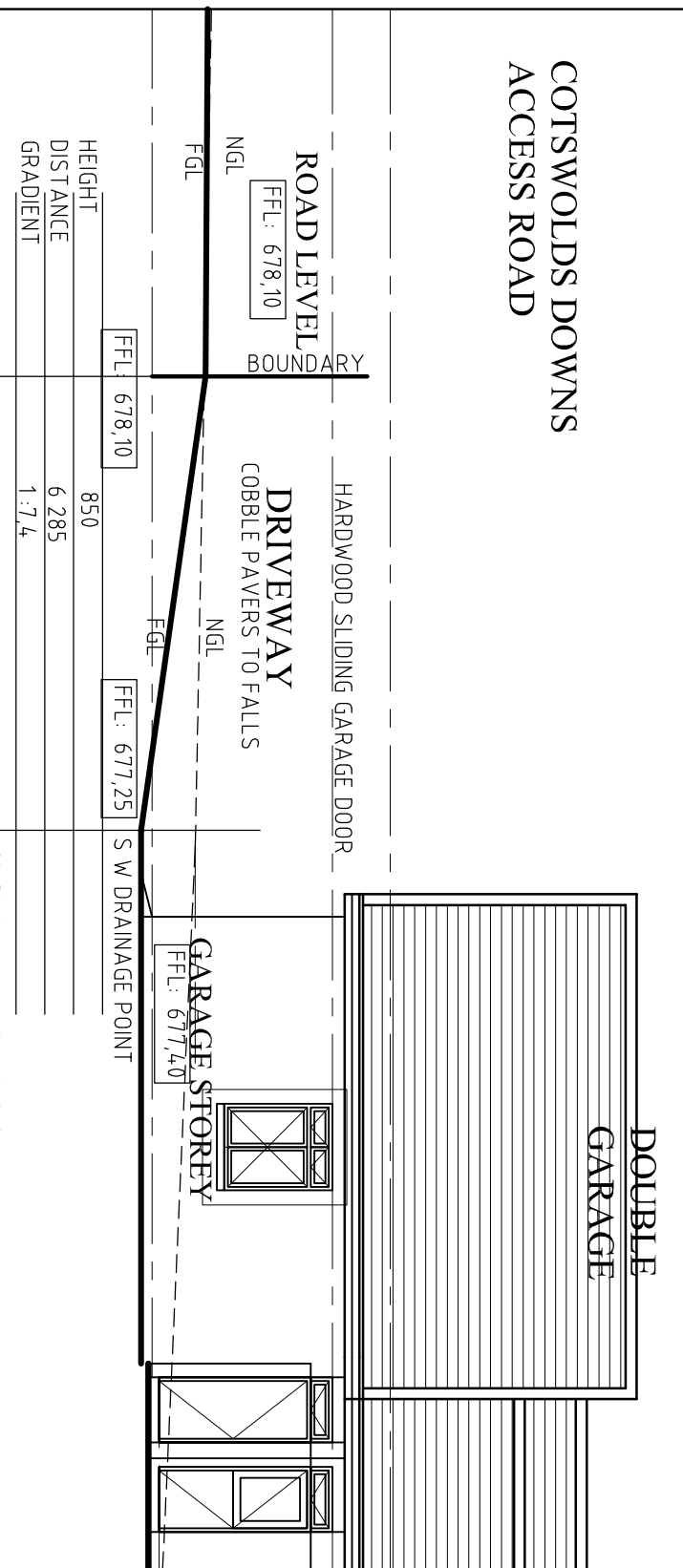


WEST ELEVATION

SECTION CC



SECTION BB



WEST ELEVATION
SCALE: 1" = 100'
DRIVEWAY SECTION

SCALE: 1:100

WINDOW SCHEDULE			HOSE VEIRA 2500			DOOR SCHEDULE			FRENCH DOORS		SLIDING DOOR		SLIDING / FOLDING		SLIDING / FOLDING		
WINDOW TYPE																	
NUMBER OFF																	
1		3		3		2		7		3		2		1		1	
SIZE	595 X 895	895 X 895	895 X 1195	1195 X 1195	1195 X 1495	1695 X 1795	1860 X 930	900 X 2400	900 X 2400	2000 X 2400	1860 X 2400	2100 X 2400	2400 X 2400	2400 X 2400	5000 X 2400	5000 X 2400	
AREA	.53 M2	.80 M2	1.01 M2	1.42 M2	1.78 M2	3.04 M2	0.86 M2	SOLID	.45 M2	1100 MM FRONT SOLID	3.9 M2	4.52 M2	5.04 M2	5.04 M2	12.0 M2	12.0 M2	
MAX PANE AREA	.21 M2	.18 M2	.25 M2	.32 M2	.45 M2	.60 M2	.65 M2	HARDWOOD	STABLE DOOR	HARDWOOD	.97 M2	1.20 M2	.87 M2	.87 M2	.94 M2	.94 M2	
GLASS	TOUGHENED SAFETY GLAZING	TOUGHENED SAFETY GLAZING	MONOLITHIC ANNEALED	MONOLITHIC SAFETY	MONOLITHIC ANNEALED	MONOLITHIC ANNEALED	MONOLITHIC ANNEALED	HAIR HOUS FREEDOR	TOUGHENED SAFETY	TOUGHENED SAFETY	TOUGHENED SAFETY	TOUGHENED SAFETY	TOUGHENED SAFETY	TOUGHENED SAFETY	TOUGHENED SAFETY	TOUGHENED SAFETY	
THICKNESS	4 MM	4 MM	4 MM	4 MM	4 MM	4 MM	4 MM	4 MM	4 MM	4 MM	4 MM	4 MM	4 MM	4 MM	4 MM	4 MM	
FRAME	ALUMINIUM	ALUMINIUM	ALUMINIUM	ALUMINIUM	ALUMINIUM	ALUMINIUM	TIMBER	TIMBER	TIMBER	ALUMINIUM	ALUMINIUM	ALUMINIUM	ALUMINIUM	ALUMINIUM	ALUMINIUM	ALUMINIUM	

WINDOW PERFORMANCE CALCULATION SCHEDULE - 2500													
WINDOW	FRAME	GLAZING	U VALUE SHGC	ORIENTATION	P		H	P/H	ZONE W AREA	EXPOSED FACTOR	CONDUCTANCE HEAT GAIN		
					W	F					W	F	
W1	ALUM	LOW - E	4.97	0.467	N	150	300	0.17	5	0.53	0.38	2.63	0.09
W2	ALUM	LOW - E	4.97	0.467	N	150	300	0.17	5	0.80	0.38	3.98	0.14
W2	ALUM	LOW - E	4.97	0.467	E	700	300	0.78	5	0.80	0.54	3.98	0.20
W2	ALUM	LOW - E	4.97	0.467	E	700	300	0.78	5	0.80	0.54	3.98	0.20
W3	ALUM	LOW - E	4.91	0.489	W	700	1600	0.64	5	1.07	0.63	5.25	0.35
W3	ALUM	LOW - E	4.91	0.489	W	700	1600	0.64	5	1.07	0.66	5.25	0.50
W3	ALUM	LOW - E	4.91	0.489	W	600	2400	0.25	5	1.07	0.96	5.25	0.50
W4	ALUM	LOW - E	4.81	0.513	W	600	2400	0.25	5	1.42	0.96	6.83	0.70
W4	ALUM	LOW - E	4.81	0.513	W	700	1600	0.54	5	1.42	0.70	6.83	0.51
W5	ALUM	LOW - E	4.52	0.627	W	700	1600	0.44	5	1.18	0.80	8.05	0.89
W5	ALUM	LOW - E	4.52	0.627	W	700	1600	0.44	5	1.18	0.80	8.05	0.89
W5	ALUM	LOW - E	4.52	0.627	E	700	1600	0.44	5	1.18	0.75	8.04	0.84
W5	ALUM	LOW - E	4.52	0.627	E	600	2400	0.25	5	1.18	0.95	8.05	1.06
W5	ALUM	LOW - E	4.52	0.627	N	700	1600	0.44	5	1.18	0.28	8.05	0.31
W6	ALUM	LOW - E	4.21	0.675	N	600	4000	0.15	5	3.04	0.29	12.80	0.80
W6	ALUM	LOW - E	4.21	0.675	S	600	4000	0.15	5	3.04	0.61	12.80	1.25
W6	ALUM	LOW - E	4.21	0.675	S	600	4000	0.15	5	3.04	0.61	12.80	1.25
W7	ALUM	LOW - E	4.85	0.545	N	2250	350	2.42	5	0.86	0.1	4.17	0.05
W7	ALUM	LOW - E	4.85	0.545	S	700	350	0.75	5	0.86	0.31	4.17	0.15
O2	TM	LOW - E	4.82	0.523	W	700	1200	0.58	5	0.61	0.68	2.94	0.22
D3	TM	LOW - E	4.95	0.595	N	2250	2400	0.94	5	1.08	0.19	5.35	0.12
D4	ALUM	LOW - E	4.22	0.522	E	700	2800	0.25	5	3.90	0.95	16.47	1.93
D4	ALUM	LOW - E	4.22	0.522	S	4000	2800	1.43	5	3.90	0.21	16.47	0.43
D5	ALUM	LOW - E	4.65	0.495	N	700	2800	0.25	5	4.52	0.25	21.02	0.49
D6	ALUM	LOW - E	4.65	0.495	E	9000	2800	1.21	5	5.04	0.22	23.44	0.62
D7	ALUM	LOW - E	4.72	0.485	S	4000	2800	1.43	5	12.00	0.21	56.64	1.22
TOTALS:													
										59.77			
										273.25	15.87		

NETT WORK AREA: 209 M2	WINDOW AREA: 28,6 %
ALLOWABLE CONDUCTANCE: 20mM2 X 1,4 = 292,6	ALLOWABLE HEAT GAIN: 200 M2 X 0,11 = 22,99
PROPOSED CONDUCTANCE:	273,25
PROPOSED HEAT GAIN:	15,87
THEREFORE HOUSE FENESTRATION IS COMPLIANT.	

BUILDING CLASSIFICATION: H4

MATERIAL SPECIFICATION
HOUSE AND GARAGE
1. FLOOR CONCRETE TILE N/A 3x6 mm SAP BATH TINS ON DPC STOM CLIPS OR METAL GRABBER ROOF OVER VERANDA. ON 14mm SAP GANVAL, THICK 220mm SAP BATH TINS RAFTERS/BOSSES TO BE DESIGNED & CERTIFIED BY PR ENGINEER RAFTERS / BOSSSES MAXIMUM SPACING 160mm
2. CEILING 6mm SHIMMED PLASTERBOARD ON 38 x 38 mm SAP BRANDING COVED CORNER
3. HOUSE WALLS EXTERNAL 120mm CLAY BRICKWORK INTERNAL 90mm PLASTERBOND EXTERNAL FACEBRICK, 110mm COTSWOLD APPROVED SYSTEMWORK
4. WINDOWS BARGEMENT AS REQUIRED DPC, PLASTER & PAINT! BRICKWORK RAKE ALUMINIUM WINDOWS OBTURATE GLASS TO BALCONIES, LIGHT WINDOWS TO BE VINYL 103% FLOR AREA INTERNAL FLOW CURVE OPERABLE WINDOWS TO BE VIN 52% FLOR AREA GLAZING
GLAZING TO COMPLY WITH PART N OF SANS 10400 EXCEPT GLAZING TO BE 4mm THICK ANTIMULLED GLASS EXCEPT WHERE DESIGNATED SAFELY GLASS IN THE DRAWINGS
5. DOORS HANDWOOD GRAZE: EXTERNAL: SOLID WIT GLAZING NATURAL FINISH GLAZING TO COMPLY WITH PART N OF SANS 10400 INTERNAL: FLOW CURVE OPERABLE HOLDING PANE! TRIGGER OPEN IN THICKNESS 220mm MINIMUM 100mm R/S PR ENGINEER
6. FLOOR NOM 100 mm R.C. DEGRADATE BED OVER SOIL POUSHED ON TOP IN THICKNESS 220mm MINIMUM 100mm R/S PR ENGINEER NON 250 x 650 mm R.C STRIP FOUNDATIONS, TO BE DESIGNED & CERTIFIED BY PR ENGINEER
7. FOUNDATIONS NON 250 x 650 mm R.C STRIP FOUNDATIONS, TO BE DESIGNED & CERTIFIED BY PR ENGINEER
8. RAINWATER CONNECT TO A V. SOKA/VAAVS
DRAINAGE: TO BE DESIGNED & CERTIFIED BY PR ENGINEER KITCHEN MODULAR FRAMED CUBOIDS IN CUPBOARDS CONNECT TO COTSWOLD APPROVED WASTE WATER SYSTEM
10. ELECTRICALS LIGHT POINT, 1 DOUBLE PLUG POINT PER ROOM LIGHT POINT + DOUBLE PLUG POINT PER ROOM KITCHEN: DOUBLE PLUG POINTS
11. SANIWARE SANITARY FITTINGS TO CLIENT REQUIREMENTS.
12. FITTINGS BEDROOMS: MODULAR FRAMED CUBOIDS IN CUPBOARDS KITCHEN MODULAR FRAMED CUBOIDS CEMENT TILES BY SPECIALIST.. VINYL BY SPECIALIST..
13. FLOOR FINISHES VINYL BY SPECIALIST..
14. WALL FINISHES STONE FACED WALL PANELS AS PER ELEVATIONS

<h1>XA COMPLIANCE NOTES</h1> <h2>ADDITIONS & ALTERATIONS</h2>	
1. CLIMATIC ZONE : 3	
2. ORIENTATION : NORTH WEST SECTOR	ROOF FLOOR SLOPE : 5%
3. FLOORS :	100mm CONCRETE SLAB/RAFT BED TO BE SHAPE OF SITE
4. EXTERNAL WALLS :	200mm CLT BLOCKWORK WALL GR VALUE TO BE MIN 0.18
5. PENETRATION	
GROUND FLOOR NETT AREA : 209 M2	PENETRATION AREA : 59.77 M2 OR 28.6 %
SEE CALCULATION 1 COMPLIANCE SHOWN	
7. PENETRATION AIR INFILTRATION	AIR INFILTRATION SHALL BE IN ACCORDANCE WITH SANS 613
8. SHADING	EAVES OVERHANGS OF 100mm AND PLACING
9. ROOF ASSEMBLY	RANGE WINDOWS / DOORS UNDER VERANDA ROOF.
ROOF ASSEMBLY TO REMAIN : 22 mm K/4 DOWN R - VALUE 0.15	ROOF SPACE TO BE VENTILATED
10. BUILDING SEALING	NOT REQUIRED IN CLIMATIC ZONE 5
11. ENERGY DEMAND & CONSUMPTION	MAXIMUM 5 W/m2
12. HOT WATER SYSTEM	50% OF VOLUME TO BE PROVIDED BY HEAT PUMP,
ALL PENETRED HOT WATER PIPES TO BE INSULATED TO 10 R	HEAT PUMP TO BE PROVIDED
HEAT PUMP TO BE PROVIDED	

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LEGGO DESIGN ARCHITECTS	
66 STAMPA'S ROAD, KILDEE, 3610	
CLIENT :	TEL: 076 934 5660
PHAKOES TRADING STORE (PTY) LTD	
PROJECT :	ERF 2600 HILLCREST
COSTVOLD DOWNS 95 NANDIA RD, HILLCREST	
NEW HOUSE & GARAGE	
DRAWN BY :	MLEGGO
DATE :	SEPT 2014
SCALE :	1 : 100
DRAWING NO. :	WD 04