

1. EXTENT OF CONTRACT

Building contract

The work is for remedial work on roofs of twenty two (22) units at the Kronendal Estate, Hout Bay, Cape Town.

The successful tenderer for this contract will be appointed in terms of the National Home Builders Registration Council Remedial work.

2. ACQUAINTANCE WITH TENDER DOCUMENTS

By submission of a tender, the contractor shall be deemed to have acquainted himself with the contract documents, local requirements and laws and all aspects of the work envisaged in the documents, prior to pricing and submission of a tender. It is of vital importance that the tenderers visit the site prior to the submission of a tender to study conditions on site.

No claim resulting from failure to comply with any of the above will be entertained.

3. CONTRACT DOCUMENTS

The contract documents shall comprise:

- * Bill Of Quantities and its annexures.
- * Engineer's scope of work
- * Tender enquiry documents

4. BILLS OF QUANTITIES

These Bill Of Quantities to be priced in accordance with the scope of works with all the quantities being provisional and are to be re measured on completion of the project.

For the purpose of this schedule of quantities, the following words shall have meanings hereby assigned to them:

Unit-The unit of measurement for each item of work as defined in the specifications

Quantity- The number of units of work for each item

Rate- The payment per unit of measurement at which the tenderer tenders to do the work

Amount- The product of the quantity and the rate tendered for an item

**NOTES AND SPECIFICATIONS
NOTES TO TENDERERS
PROVISIONAL BILL OF QUANTITIES
NHBRC REMEDIAL WORK**

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To quantities set out in the schedule of quantities are approximate quantities only. The quantities of work finally accepted and certified for payment, and not the quantities given in the schedule of quantities, shall be used for determining payments to the contractor

The validity of the contract shall in no way be affected by differences between the quantities in the schedule of quantities and the quantities finally certified for payment. Work shall be valued at the rates tendered.

The tenderer shall fill in a rate or a lump for each item where provision has been made for it, even where are given. Items against which no rate or lump sum has been entered in the Tender will not be paid when the work is executed, as it is assumed that the contractor does not wish to receive payment for any such work.

Should the tenderer group a number of items together and tender one lump sum for such group items, this single lump sum shall apply to that group of items and not to that group of items and not to each individual item, or, should he indicate against any item that full compensation for such item has been included in another item, the rate for the item included in another item shall be deemed to be nil.

The amount of work or the quantities of material stated in the schedule of quantities shall not be considered as restricting or extending the amount of work to be done or the quantity of material to be supplied by the contractor.

The stating of quantities of material or the amount in the schedule of quantities shall not be regarded as authorization for the contractor to order material or to execute work. The contractor shall obtain the Engineer's detailed instructions in regard to all work before ordering any materials or executing the work, or before making arrangements in this regard

The short descriptions of the items of payment given in the schedule of quantities are only for the purposes of identifying the items and of providing specific details. More details regarding the extent of the work entailed under each item appear inter alia, on the drawings, and in the specifications, the general conditions of contract and the special conditions of contract.

The units of measurement indicated in the schedule of quantities are metric units

The following abbreviations are used in the schedule of quantities:

mm	= millimeter
m	= metre
m ²	= square metre
m ³	= cubic metre
no	= number
%	= percent

All rates and sums of money quoted in the schedule of quantities shall be in rands and whole cents. Fractions of a cent shall be discounted

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These bills of quantities contain pages numbered consecutively as indicated in the Index. Before the contractor submits his tender he should check the number of pages, and if any are found to be missing or duplicated, or the figures or writing indistinct, or the tender documents contain any obvious errors, he should apply to the quantity surveyors at once and have same rectified as no liability whatsoever will be admitted by the National Home Builders Registration Council (NHBRC) in respect of errors in a tender due to the foregoing.

On no account should these documents be used for placing orders for materials. The contractor may do so at his own risk but shall not be reimbursed for additional costs so incurred.

Unless a separate rate for the supply and for the installation of any items is specifically called for, the supply and installation costs of any item shall be deemed to be fully included in the unit price.

5. MATERIAL AND LABOUR COST FLUCTUATIONS

Tender rates shall be fixed ie inclusive of provision for material and labour cost fluctuations during the course of the works.

6. CONDITIONS TO BE OBSERVED IN TENDERING

- 6.1 Tenders shall include Value Added Tax
- 6.2 The conciliation officer will notify the tenderers of the tender results
- 6.3 The lowest, or any, or portion of any tender will not necessarily be accepted.
- 6.4 All tenders must be entered on the form provided herein.
- 6.5 Tenders must hold good for thirty (90) calendar days from the tender closing date as stated herein.
- 6.6 All recipients of the tender document (whether they submit a tender or not) must treat the details of the document as private and confidential
- 6.7 The employer will not be responsible for, or pay for, expenses or losses, which may be incurred by any tenderer in the preparation of his tender.

7. TENDER INFORMATION

The employer may require additional information from the tenderer in order to evaluate the tender. The tenderer is required to provide such information if so required by the employer.

8. SITE INSPECTION

Tenderers are required to inspect the site before submission of his tender. Site briefing, (with date to be confirmed) for this tender is compulsory

The tenderer is also required to familiarise himself before submission of his tender with regard to relevant local site conditions, site accessibility, the nature of operations required, availability of labour and any conditions pertaining there to, together with conditions relating to unloading, carting and storage of materials, equipment and tools required for the works.

9. SUBMISSION OF TENDERS

The tenderer shall submit the Form of Tender in a sealed envelope marked TENDER KRONENDAL ESTATE, HOUT BAY, email to scmrequests@nhbrc.org.za

The tender shall be delivered at the office of the Procurement & Contracts Officer, Ground Floor, Barinor, Vinyard South, Office Estate, 99 de Drive, Bellville by no later than.....h.....on.....

Late tenders will not be considered.

**NOTES AND SPECIFICATIONS
NOTES TO TENDERERS
PROVISIONAL BILL OF QUANTITIES
NHBRC REMEDIAL WORK**

NAMES OF PARTIES

1. EMPLOYER

National Home Builders Registration Council
Contact Person: Mr Abbrey Chikane
Physical Address: 5 Leeuwkop Road, Sunninghill, Johannesburg
Postal Address: P O BOX 461, Randburg, 2125
Tell : (011) 317 0000

2. ENGINEER

National Home Builders Registration Council
Contact Person: Mr Anton Marais
Physical Address: Ground Floor, Barinor
Vinyard South, Office Estate, 99 Jip de Drive
Bellville
Tel: (021) 913 9210

3. CONCILIATION OFFICER

National Home Builders Registration Council
Contact Person: Ms Faith Sekobi
Physical Address: Ground Floor, Barinor
Vinyard South, Office Estate, 99 Jip de Drive
Bellville
Tel: (021) 913 9210

4. QUANTITY SURVEYORS

National Home Builders Registration Council
Contact Person: Mr Waldo Van Rooyen
Physical Address: 5 Leeuwkop Road, Sunninghill, Johannesburg
Postal Address: P O BOX 461, Randburg, 2125
Tel: (011) 317 0118

National Home Builders Registration Council
Contact Person: Mr Moseo Sebetha
Physical Address: 5 Leeuwkop Road, Sunninghill, Johannesburg
Postal Address: P O BOX 461, Randburg, 2125
Tel: 011) 317 0006

**NOTES AND SPECIFICATIONS
NAMES OF PARTIES
PROVISIONAL BILL OF QUANTITIES
NHBRC REMEDIAL WORK**

**NHBRC REMEDIAL WORKS
KRONENDAL ESTATE, HOUT BAY, CAPE TOWN
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Item No		Quantity	Rate	Amount
	<p><u>BILL NO.1</u></p> <p><u>PRELIMINARIES AND GENERALS</u></p> <p><u>NOTES</u></p> <p>The agreement is to be a "Remedial work contract agreement" that will be signed between the Employer (NHBRC) and Contractor upon acceptance to tender offer</p> <p><u>Temporary works and plant</u></p> <p>The contractor shall protect, uphold and maintain all public utilities and services and shall not interfere with their operation without the consent of the service authorities and the Conciliation Officer. The contractor shall notify the Conciliation Officer of any damage to such services and shall make good same at his own cost to the satisfaction of the service authorities.</p> <p>Fuel, power and water for commissioning of mechanical and other specialised equipment shall also include for the cost of all necessary reticulation and connections thereto</p> <p>The contractor shall provide noise and dust control to the approval of the Conciliation Officer.</p> <p>The contractor shall maintain the access roads, paths, buildings, etc., adjacent to the construction area etc., during the period of the works in a clean and rubble free condition.</p> <p><u>Identity of employees</u></p> <p>All employees of the contractor and his subcontractors shall be identifiable at all times by means of ID cards, company name and logos imprinted on overalls. Any person found on site not complying with the aforementioned conditions the contractor shall be requested by Conciliation Officer, to remove such person from the site.</p> <p><u>Health and safety</u></p> <p>The contractor is to comply with all requirements of the Health and Safety Specification</p> <p style="text-align: right;">Carried forward</p> <p>Section No. 1 PRELIMINARIES AND GENERAL Bill No. 1 PRELIMINARIES PROVISIONAL BILL OF QUANTITIES NHBRC REMEDIAL WORK</p>		R	

**NHBRC REMEDIAL WORKS
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<p style="text-align: right;">Brought forward</p> <p><u>Housekeeping and compliance with Conciliation officer site rules</u></p> <p>The contractor will be responsible for a high standard of housekeeping in his site establishment, delivery of materials and goods and removal of rubble, debris, etc., storage areas and construction working areas to the approval of the Conciliation Officer.</p> <p><u>Working hours</u></p> <p>Should the contractor wish to work outside normal working hours or at weekends in order to maintain his building programme, he shall notify and obtain the approval of the Conciliation Officer before doing so. The cost of this overtime will be for the contractor's account.</p> <p><u>PRELIMINARIES AND GENERAL</u></p> <p>1 Allowance for contractor's all risk insurance</p> <p>2 Allowance for Health and Safety requirements (i.e All work to be in compliance with the provisions of the OHS Act 85 of 1993 and Regulations R1010)</p> <p>3 Allowance for contractor's general obligations (i.e Facilities for the contractor and his staff, tools and equipment, all water and electricity required to perform the scope of works, scheduling of work due to weather, etc)</p> <p>4 Allowance for housekeeping and compliance of unwanted material to be dumped and disposed to a site designated by local authority</p> <p style="text-align: right;">Carried to Final Summary</p> <p>Section No. 1 PRELIMINARIES AND GENERAL Bill No. 1 PRELIMINARIES PROVISIONAL BILL OF QUANTITIES NHBRC REMEDIAL WORK</p>	<p style="text-align: center;">Item</p> <p style="text-align: center;">Item</p> <p style="text-align: center;">Item</p> <p style="text-align: center;">Item</p>	<p style="text-align: center;">R</p> <p style="text-align: center;">R</p>	
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Item No		Quantity	Rate	Amount
	<p><u>BILL NO 2</u></p> <p><u>ALTERATIONS</u></p> <p><u>SUPPLEMENTARY PREAMBLES</u></p> <p><u>View site</u></p> <p>Before submitting the tender the contractor shall visit the site and satisfy himself as to the nature and extent of the work to be done and the value of the materials contained in the buildings or portions of the buildings to be demolished. No claim for any variations of the contract sum in respect of the nature and extent of the work or of inferior or damaged materials will be entertained.</p> <p><u>Explosives</u></p> <p>No explosives whatsoever may be used for demolition purposes unless otherwise stated</p> <p><u>General</u></p> <p>The contractor shall carry out the whole of the works with as little mess and noise as possible and with minimum of disturbance to adjoining premises and their tenants. He/she shall provide proper protection and provide, erect and remove when directed, any temporary tarpaulins that may be necessary during the progress of the works, all to the satisfaction of the engineer.</p> <p>Water supply pipes and other piping that may be encountered and found necessary to disconnect or cut, shall be effectually stopped off or grubbed up and removed, and any new connections that may be necessary shall be made with proper fittings, to the satisfaction of the engineer.</p> <p style="text-align: right;">Carried forward</p> <p>Section No. 2 UNIT 3 Bill No. 1 ALTERATIONS PROVISIONAL BILL OF QUANTITIES NHBRC REMEDIAL WORK</p>		R	

**NHBRC REMEDIAL WORKS
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Brought forward			R
<u>Taking down and removing roofs, floors, panelling, ceilings, partitions, etc setting aside for re-use and later re fixing (as per Engineer's detail/Scope of work) in similar new position</u>			
2	Fibre cement Barge and Fascia Boards	m	59
3	Coverland "Elite" flat concrete slate tiles	m2	103
4	Ridge tiles	No	15
5	Mono Ridge	No	15
6	Side wall and cover flashing	m	22
7	Gutters	m	24
Carried Forward to Sectional Summary: 2			R
Section No. 2 UNIT 3 Bill No. 1 ALTERATIONS PROVISIONAL BILL OF QUANTITIES NHBRC REMEDIAL WORK			

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Item No		Quantity	Rate	Amount
	<p><u>BILL NO 3</u></p> <p><u>WATERPROOFING</u></p> <p><u>SUPPLEMENTARY PREAMBLES</u></p> <p><u>Waterproofing</u></p> <p>Waterproofing of roofs, basements, etc shall be laid under a ten year guarantee. Waterproofing to roofs shall be laid to even falls to outlets etc with necessary ridges, hips and valleys. Descriptions of sheet or membrane waterproofing shall be deemed to include additional labour to turn-ups and turn-downs</p> <p><u>WATERPROOFING TO ROOFS, BASEMENTS, ETC</u></p> <p><u>Agreement approved flashing (As per Engineer's detail/scope of works)</u></p>			
1	Slide wall flashing	m	22	
2	Head wall flashing (south light windows)	m	6	
	<p style="text-align: right;">Carried Forward to Sectional Summary: 2</p> <p>Section No. 2 UNIT 3 Bill No. 2 WATERPROOFING PROVISIONAL BILL OF QUANTITIES NHBRC REMEDIAL WORK</p>		R	

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Item No		Quantity	Rate	Amount
<u>BILL NO 4</u>				
<u>ROOF COVERINGS ETC</u>				
Where battens for roof coverings form part of the plate nailed timber not roof truss design it shall be included under the roof construction in the "Carpentry and Joinery" trade and not under this trade				
<u>340x420mm Elite flat concrete slate concrete tiles nailed with non corrosive nails to battens and purlins</u>				
1	Roof covering with a 26 degree pitch (Allow to replace 45% of existing tiles set aside for reuse due to breakage)	m2	60	
2	Ridges of tiles to match roofing tiles, bedded and pointed in 1:3 tinted cement mortar, including 300mm wide strip of 375 micron embossed dampproof course in accordance with SANS 952 Type B underlay	No	8	
3	Mono ridges of tiles to match roofing tiles, bedded and pointed in 1:3 tinted cement mortar, including 300mm wide strip of 375 micron embossed dampproof course in accordance with SANS 952 Type B underlay	No	8	
<u>ROOF WALL INSULATION</u>				
<u>Polyethylene bubblefold aluminium foil faced both sides</u>				
4	Insulation sheeting laid taut over purlins and fixed concurrent with roof covering with minimum 150mm stapled laps including galvanised (PVC coated) steel straining wires at not exceeding 400mm centres and double-sided tape at edges where required	m2	133	
Carried Forward to Sectional Summary: 2			R	
Section No. 2 UNIT 3 Bill No. 3 ROOF COVERING PROVISIONAL BILL OF QUANTITIES NHBRC REMEDIAL WORK				

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Item No		Quantity	Rate	Amount
	<p><u>BILL NO 5</u></p> <p><u>CARPENTRY AND JOINERY</u></p> <p><u>SUPPLEMENTARY PREAMBLES</u></p> <p><u>Fixing</u></p> <p>Items described as "nailed" shall be deemed to be fixed with hardened steel nails or shot pins to brickwork or concrete</p> <p>Items described as "plugged" shall be deemed to include screwing to fibre, plastic or metal plugs at not exceeding 500mm centres, and where described as "bolted", the bolts have been given elsewhere</p> <p><u>Joinery:</u></p> <p>Descriptions of frames shall be deemed to include frames, transomes, mullions, rails, etc</p> <p>Descriptions of hardwood joinery shall be deemed to include pelleting of bolt holes</p> <p><u>ROOFS ETC</u></p> <p>Note</p> <p>New (grade 5 SA PINE , H2 treated) purlins (50mmx76mm minimum size) on the exposed rafters. The purlins need to be sized on site according to the gap between top of rafter and top batten on truss. This gap varies and must be assessed for each house as the work progress. Due to the isoboard, wedges cannot be used to adjust the levels after the purlin has been fixed down and the purlin size will have to correct</p> <p>Purlins should be fixed to rafters with 200mm long M8 coach screws at each purlin/rafter intersection. Holes through purlins should be pre-drilled and 6mm pilot holes should be drilled for coach screws into rafters. The coach screw head should be countersunk into purlin</p> <p>Battens should be nailed down with 100mmx4mm wired nails at each battten truss intersection</p> <p style="text-align: right;">Carried forward</p> <p>Section No. 2 UNIT 3 Bill No. 4 CARPENTRY AND JOINERY PROVISIONAL BILL OF QUANTITIES NHBRC REMEDIAL WORK</p>		R	

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3	ROOF COVERING	-12-	
4	CARPENTRY AND JOINERY	-14-	
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Item No		Quantity	Rate	Amount
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	Brought forward			R
	<u>Taking down and removing roofs, floors, panelling, ceilings, partitions, etc setting aside for re-use and later re fixing (as per Engineer's detail) in similar new position</u>			
2	Fibre cement Barge and Fascia Boards	m	59	
3	Coverland "Elite" flat concrete slate tiles	m2	103	
4	Ridge tiles	No	15	
5	Mono Ridge	No	15	
6	Side wall and cover flashing	m	22	
7	Gutters	m	24	
	Carried Forward to Sectional Summary: 3			R
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Item No		Quantity	Rate	Amount
	<p><u>BILL NO 3</u></p> <p><u>WATERPROOFING</u></p> <p><u>SUPPLEMENTARY PREAMBLES</u></p> <p><u>Waterproofing</u></p> <p>Waterproofing of roofs, basements, etc shall be laid under a ten year guarantee. Waterproofing to roofs shall be laid to even falls to outlets etc with necessary ridges, hips and valleys. Descriptions of sheet or membrane waterproofing shall be deemed to include additional labour to turn-ups and turn-downs</p> <p><u>WATERPROOFING TO ROOFS, BASEMENTS, ETC</u></p> <p><u>Agrement approved flashing (As per Engineer's detail/scope of works)</u></p>			
1	Slide wall flashing	m	22	
2	Head wall flashing (south light windows)	m	6	
	<p style="text-align: right;">Carried Forward to Sectional Summary: 3</p> <p>Section No. 3 UNIT 6 Bill No. 2 WATERPROOFING PROVISIONAL BILL OF QUANTITIES NHBRC REMEDIAL WORK</p>		R	

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Item No		Quantity	Rate	Amount
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3	Mono ridges of tiles to match roofing tiles, bedded and pointed in 1:3 tinted cement mortar, including 300mm wide strip of 375 micron embossed dampproof course in accordance with SANS 952 Type B underlay	No	8	
<u>ROOF WALL INSULATION</u>				
<u>Polyethylene bubblefold aluminium foil faced both sides</u>				
4	Insulation sheeting laid taut over purlins and fixed concurrent with roof covering with minimum 150mm stapled laps including galvanised (PVC coated) steel straining wires at not exceeding 400mm centres and double-sided tape at edges where required	m2	133	
Carried Forward to Sectional Summary: 3			R	
Section No. 3 UNIT 6 Bill No. 3 ROOF COVERING PROVISIONAL BILL OF QUANTITIES NHBRC REMEDIAL WORK				

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Item No		Quantity	Rate	Amount
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Item No		Quantity	Rate	Amount
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<p style="text-align: right;">Brought forward</p> <p>Doors, fanlights, fittings, frames, linings, etc which are to be re-used shall be thoroughly overhauled before refixing including taking off. easing and rehangng, cramping up, re-wedging as required and making good cramps, dowels, etc, and easing, oiling, adjusting and repairing ironmongery as necessary, replacing any glass damaged in removal or subsequently and stopping up all ail and screw holes with tinted plastic wood to match timber, unless otherwise described. Re-painting or re-varnishing is given separately</p> <p>Prices for taking out doors, windows, etc shall including for removal of all beads, architraves, ironmongery, etc</p> <p>Prices for taking out and removing doors and frames shall include for removing door stop, cabin hook, etc and making good floor and wall finishes to match existing</p> <p>With regard to building up of openings in existing walls, cement screeds and pavings, granolithis, tops of walls, etc, shall be levelled and prepared for raising of brickwork</p> <p>Making good of finishes shall include making good of the brick and concrete surfaces onto which the new finishes are applied, where necessary</p> <p>The contractor will be required to take all dimensions affecting the existing buildings on the site and he will be held solely responsible for the accuracy of all such dimensions where used in the manufacture of new items (doors, windows, fittings, etc)</p> <p><u>REMOVAL OF EXISTING WORK</u></p> <p><u>Taking down and removing roofs, floors, panelling, ceilings, partitions, etc</u></p>		R	
<p>1 Timber purlins and battens</p> <p style="text-align: right;">Carried forward</p> <p>Section No. 4 UNIT 7 Bill No. 1 ALTERATIONS PROVISIONAL BILL OF QUANTITIES NHBRC REMEDIAL WORK</p>	m	432	R

**NHBRC REMEDIAL WORKS
KRONENDAL ESTATE, HOUT BAY, CAPE TOWN
WESTERN CAPE**

Brought forward			R
<u>Taking down and removing roofs, floors, panelling, ceilings, partitions, etc setting aside for re-use and later re fixing (as per Engineer's detail) in similar new position</u>			
2	Fibre cement Barge and Fascia Boards	m	59
3	Coverland "Elite" flat concrete slate tiles	m2	103
4	Ridge tiles	No	15
5	Mono Ridge	No	15
6	Side wall and cover flashing	m	22
7	Gutters	m	24
Carried Forward to Sectional Summary: 4			R
Section No. 4 UNIT 7 Bill No. 1 ALTERATIONS PROVISIONAL BILL OF QUANTITIES NHBRC REMEDIAL WORK			

**NHBRC REMEDIAL WORKS
KRONENDAL ESTATE, HOUT BAY, CAPE TOWN
WESTERN CAPE**

Item No		Quantity	Rate	Amount
	<p><u>BILL NO 3</u></p> <p><u>WATERPROOFING</u></p> <p><u>SUPPLEMENTARY PREAMBLES</u></p> <p><u>Waterproofing</u></p> <p>Waterproofing of roofs, basements, etc shall be laid under a ten year guarantee. Waterproofing to roofs shall be laid to even falls to outlets etc with necessary ridges, hips and valleys. Descriptions of sheet or membrane waterproofing shall be deemed to include additional labour to turn-ups and turn-downs</p> <p><u>WATERPROOFING TO ROOFS, BASEMENTS, ETC</u></p> <p><u>Agrement approved flashing (As per Engineer's detail/scope of works)</u></p>			
1	Slide wall flashing	m	22	
2	Head wall flashing (south light windows)	m	6	
	<p style="text-align: right;">Carried Forward to Sectional Summary: 4</p> <p>Section No. 4 UNIT 7 Bill No. 2 WATERPROOFING PROVISIONAL BILL OF QUANTITIES NHBRC REMEDIAL WORK</p>		R	

**NHBRC REMEDIAL WORKS
KRONENDAL ESTATE, HOUT BAY, CAPE TOWN
WESTERN CAPE**

Item No		Quantity	Rate	Amount
<u>BILL NO 4</u>				
<u>ROOF COVERINGS ETC</u>				
Where battens for roof coverings form part of the plate nailed timber not roof truss design it shall be included under the roof construction in the "Carpentry and Joinery" trade and not under this trade				
<u>340x420mm Elite flat concrete slate concrete tiles nailed with non corrosive nails to battens and purlins</u>				
1	Roof covering with a 26 degree pitch (Allow to replace 45% of existing tiles set aside for reuse due to breakage)	m2	60	
2	Ridges of tiles to match roofing tiles, bedded and pointed in 1:3 tinted cement mortar, including 300mm wide strip of 375 micron embossed dampproof course in accordance with SANS 952 Type B underlay	No	8	
3	Mono ridges of tiles to match roofing tiles, bedded and pointed in 1:3 tinted cement mortar, including 300mm wide strip of 375 micron embossed dampproof course in accordance with SANS 952 Type B underlay	No	8	
<u>ROOF WALL INSULATION</u>				
<u>Polyethylene bubblefold aluminium foil faced both sides</u>				
4	Insulation sheeting laid taut over purlins and fixed concurrent with roof covering with minimum 150mm stapled laps including galvanised (PVC coated) steel straining wires at not exceeding 400mm centres and double-sided tape at edges where required	m2	133	
Carried Forward to Sectional Summary: 4			R	
Section No. 4 UNIT 7 Bill No. 3 ROOF COVERING PROVISIONAL BILL OF QUANTITIES NHBRC REMEDIAL WORK				

**NHBRC REMEDIAL WORKS
KRONENDAL ESTATE, HOUT BAY, CAPE TOWN
WESTERN CAPE**

Item No		Quantity	Rate	Amount
	<p><u>BILL NO 5</u></p> <p><u>CARPENTRY AND JOINERY</u></p> <p><u>SUPPLEMENTARY PREAMBLES</u></p> <p><u>Fixing</u></p> <p>Items described as "nailed" shall be deemed to be fixed with hardened steel nails or shot pins to brickwork or concrete</p> <p>Items described as "plugged" shall be deemed to include screwing to fibre, plastic or metal plugs at not exceeding 500mm centres, and where described as "bolted", the bolts have been given elsewhere</p> <p><u>Joinery:</u></p> <p>Descriptions of frames shall be deemed to include frames, transomes, mullions, rails, etc</p> <p>Descriptions of hardwood joinery shall be deemed to include pelleting of bolt holes</p> <p><u>ROOFS ETC</u></p> <p>Note</p> <p>New (grade 5 SA PINE , H2 treated) purlins (50mmx76mm minimum size) on the exposed rafters. The purlins need to be sized on site according to the gap between top of rafter and top batten on truss. This gap varies and must be assessed for each house as the work progress. Due to the isoboard, wedges cannot be used to adjust the levels after the purlin has been fixed down and the purlin size will have to correct</p> <p>Purlins should be fixed to rafters with 200mm long M8 coach screws at each purlin/rafter intersection. Holes through purlins should be pre-drilled and 6mm pilot holes should be drilled for coach screws into rafters. The coach screw head should be countersunk into purlin</p> <p>Battens should be nailed down with 100mmx4mm wired nails at each battten truss intersection</p> <p style="text-align: right;">Carried forward</p> <p>Section No. 4 UNIT 7 Bill No. 4 CARPENTRY AND JOINERY PROVISIONAL BILL OF QUANTITIES NHBRC REMEDIAL WORK</p>		R	

**NHBRC REMEDIAL WORKS
KRONENDAL ESTATE, HOUT BAY, CAPE TOWN
WESTERN CAPE**

Bill No	Section No. 4	Page No	Amount
	UNIT 7		
	<u>SECTION SUMMARY - UNIT 7</u>		
1	ALTERATIONS	-26-	
2	WATERPROOFING	-27-	
3	ROOF COVERING	-28-	
4	CARPENTRY AND JOINERY	-30-	
	Carried to Final Summary		R
	Section No. 4		
	UNIT 7		
	PROVISIONAL BILL OF QUANTITIES		
	NHBRC REMEDIAL WORK		

**NHBRC REMEDIAL WORKS
KRONENDAL ESTATE, HOUT BAY, CAPE TOWN
WESTERN CAPE**

Item No		Quantity	Rate	Amount
	<p><u>BILL NO 2</u></p> <p><u>ALTERATIONS</u></p> <p><u>SUPPLEMENTARY PREAMBLES</u></p> <p><u>View site</u></p> <p>Before submitting the tender the contractor shall visit the site and satisfy himself as to the nature and extent of the work to be done and the value of the materials contained in the buildings or portions of the buildings to be demolished. No claim for any variations of the contract sum in respect of the nature and extent of the work or of inferior or damaged materials will be entertained.</p> <p><u>Explosives</u></p> <p>No explosives whatsoever may be used for demolition purposes unless otherwise stated</p> <p><u>General</u></p> <p>The contractor shall carry out the whole of the works with as little mess and noise as possible and with minimum of disturbance to adjoining premises and their tenants. He/she shall provide proper protection and provide, erect and remove when directed, any temporary tarpaulins that may be necessary during the progress of the works, all to the satisfaction of the engineer.</p> <p>Water supply pipes and other piping that may be encountered and found necessary to disconnect or cut, shall be effectually stopped off or grubbed up and removed, and any new connections that may be necessary shall be made with proper fittings, to the satisfaction of the engineer.</p> <p style="text-align: right;">Carried forward</p> <p>Section No. 5 UNIT 8 Bill No. 1 ALTERATIONS PROVISIONAL BILL OF QUANTITIES NHBRC REMEDIAL WORK</p>		R	

**NHBRC REMEDIAL WORKS
KRONENDAL ESTATE, HOUT BAY, CAPE TOWN
WESTERN CAPE**

	Brought forward			R
	<u>Taking down and removing roofs, floors, panelling, ceilings, partitions, etc setting aside for re-use and later re fixing (as per Engineer's detail) in similar new position</u>			
2	Fibre cement Barge and Fascia Boards	m	59	
3	Coverland "Elite" flat concrete slate tiles	m2	103	
4	Ridge tiles	No	15	
5	Mono Ridge	No	15	
6	Side wall and cover flashing	m	22	
7	Gutters	m	24	
	Carried Forward to Sectional Summary: 5			R
	Section No. 5 UNIT 8 Bill No. 1 ALTERATIONS PROVISIONAL BILL OF QUANTITIES NHBRC REMEDIAL WORK			

**NHBRC REMEDIAL WORKS
KRONENDAL ESTATE, HOUT BAY, CAPE TOWN
WESTERN CAPE**

Item No	<u>BILL NO 3</u>	Quantity	Rate	Amount
	<u>WATERPROOFING</u>			
	<u>SUPPLEMENTARY PREAMBLES</u>			
	<u>Waterproofing</u>			
	Waterproofing of roofs, basements, etc shall be laid under a ten year guarantee. Waterproofing to roofs shall be laid to even falls to outlets etc with necessary ridges, hips and valleys. Descriptions of sheet or membrane waterproofing shall be deemed to include additional labour to turn-ups and turn-downs			
	<u>WATERPROOFING TO ROOFS, BASEMENTS, ETC</u>			
	<u>Agreement approved flashing (As per Engineer's detail/scope of works)</u>			
1	Slide wall flashing	m	22	
2	Head wall flashing (south light windows)	m	6	
	Carried Forward to Sectional Summary: 5		R	
	Section No. 5 UNIT 8 Bill No. 2 WATERPROOFING PROVISIONAL BILL OF QUANTITIES NHBRC REMEDIAL WORK			

**NHBRC REMEDIAL WORKS
KRONENDAL ESTATE, HOUT BAY, CAPE TOWN
WESTERN CAPE**

Item No		Quantity	Rate	Amount
<u>BILL NO 4</u>				
<u>ROOF COVERINGS ETC</u>				
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2	Ridges of tiles to match roofing tiles, bedded and pointed in 1:3 tinted cement mortar, including 300mm wide strip of 375 micron embossed dampproof course in accordance with SANS 952 Type B underlay	No	8	
3	Mono ridges of tiles to match roofing tiles, bedded and pointed in 1:3 tinted cement mortar, including 300mm wide strip of 375 micron embossed dampproof course in accordance with SANS 952 Type B underlay	No	8	
<u>ROOF WALL INSULATION</u>				
<u>Polyethylene bubblefold aluminium foil faced both sides</u>				
4	Insulation sheeting laid taut over purlins and fixed concurrent with roof covering with minimum 150mm stapled laps including galvanised (PVC coated) steel straining wires at not exceeding 400mm centres and double-sided tape at edges where required	m2	133	
Carried Forward to Sectional Summary: 5			R	
Section No. 5 UNIT 8 Bill No. 3 ROOF COVERING PROVISIONAL BILL OF QUANTITIES NHBRC REMEDIAL WORK				

**NHBRC REMEDIAL WORKS
KRONENDAL ESTATE, HOUT BAY, CAPE TOWN
WESTERN CAPE**

Item No		Quantity	Rate	Amount
	<p><u>BILL NO 5</u></p> <p><u>CARPENTRY AND JOINERY</u></p> <p><u>SUPPLEMENTARY PREAMBLES</u></p> <p><u>Fixing</u></p> <p>Items described as "nailed" shall be deemed to be fixed with hardened steel nails or shot pins to brickwork or concrete</p> <p>Items described as "plugged" shall be deemed to include screwing to fibre, plastic or metal plugs at not exceeding 500mm centres, and where described as "bolted", the bolts have been given elsewhere</p> <p><u>Joinery:</u></p> <p>Descriptions of frames shall be deemed to include frames, transomes, mullions, rails, etc</p> <p>Descriptions of hardwood joinery shall be deemed to include pelleting of bolt holes</p> <p><u>ROOFS ETC</u></p> <p>Note</p> <p>New (grade 5 SA PINE , H2 treated) purlins (50mmx76mm minimum size) on the exposed rafters. The purlins need to be sized on site according to the gap between top of rafter and top batten on truss. This gap varies and must be assessed for each house as the work progress. Due to the isoboard, wedges cannot be used to adjust the levels after the purlin has been fixed down and the purlin size will have to correct</p> <p>Purlins should be fixed to rafters with 200mm long M8 coach screws at each purlin/rafter intersection. Holes through purlins should be pre-drilled and 6mm pilot holes should be drilled for coach screws into rafters. The coach screw head should be countersunk into purlin</p> <p>Battens should be nailed down with 100mmx4mm wired nails at each battten truss intersection</p> <p style="text-align: right;">Carried forward</p> <p>Section No. 5 UNIT 8 Bill No. 4 CARPENTRY AND JOINERY PROVISIONAL BILL OF QUANTITIES NHBRC REMEDIAL WORK</p>		R	

**NHBRC REMEDIAL WORKS
KRONENDAL ESTATE, HOUT BAY, CAPE TOWN
WESTERN CAPE**

Bill No	Section No. 5	Page No	Amount
	UNIT 8		
	<u>SECTION SUMMARY - UNIT 8</u>		
1	ALTERATIONS	-34-	
2	WATERPROOFING	-35-	
3	ROOF COVERING	-36-	
4	CARPENTRY AND JOINERY	-38-	
	Carried to Final Summary		R
	Section No. 5		
	UNIT 8		
	PROVISIONAL BILL OF QUANTITIES		
	NHBRC REMEDIAL WORK		

**NHBRC REMEDIAL WORKS
KRONENDAL ESTATE, HOUT BAY, CAPE TOWN
WESTERN CAPE**

Item No	Quantity	Rate	Amount
<p><u>BILL NO 2</u></p> <p><u>ALTERATIONS</u></p> <p><u>SUPPLEMENTARY PREAMBLES</u></p> <p><u>View site</u></p> <p>Before submitting the tender the contractor shall visit the site and satisfy himself as to the nature and extent of the work to be done and the value of the materials contained in the buildings or portions of the buildings to be demolished. No claim for any variations of the contract sum in respect of the nature and extent of the work or of inferior or damaged materials will be entertained.</p> <p><u>Explosives</u></p> <p>No explosives whatsoever may be used for demolition purposes unless otherwise stated</p> <p><u>General</u></p> <p>The contractor shall carry out the whole of the works with as little mess and noise as possible and with minimum of disturbance to adjoining premises and their tenants. He/she shall provide proper protection and provide, erect and remove when directed, any temporary tarpaulins that may be necessary during the progress of the works, all to the satisfaction of the engineer.</p> <p>Water supply pipes and other piping that may be encountered and found necessary to disconnect or cut, shall be effectually stopped off or grubbed up and removed, and any new connections that may be necessary shall be made with proper fittings, to the satisfaction of the engineer.</p> <p style="text-align: right;">Carried forward</p> <p>Section No. 6 UNIT 9 Bill No. 1 ALTERATIONS PROVISIONAL BILL OF QUANTITIES NHBRC REMEDIAL WORK</p>		R	

**NHBRC REMEDIAL WORKS
KRONENDAL ESTATE, HOUT BAY, CAPE TOWN
WESTERN CAPE**

Brought forward			R
<u>Taking down and removing roofs, floors, panelling, ceilings, partitions, etc setting aside for re-use and later re fixing (as per Engineer's detail) in similar new position</u>			
2	Fibre cement Barge and Fascia Boards	m	59
3	Coverland "Elite" flat concrete slate tiles	m2	103
4	Ridge tiles	No	15
5	Mono Ridge	No	15
6	Side wall and cover flashing	m	22
7	Gutters	m	24
Carried Forward to Sectional Summary: 6			R
Section No. 6 UNIT 9 Bill No. 1 ALTERATIONS PROVISIONAL BILL OF QUANTITIES NHBRC REMEDIAL WORK			

**NHBRC REMEDIAL WORKS
KRONENDAL ESTATE, HOUT BAY, CAPE TOWN
WESTERN CAPE**

Item No		Quantity	Rate	Amount
	<p><u>BILL NO 3</u></p> <p><u>WATERPROOFING</u></p> <p><u>SUPPLEMENTARY PREAMBLES</u></p> <p><u>Waterproofing</u></p> <p>Waterproofing of roofs, basements, etc shall be laid under a ten year guarantee. Waterproofing to roofs shall be laid to even falls to outlets etc with necessary ridges, hips and valleys. Descriptions of sheet or membrane waterproofing shall be deemed to include additional labour to turn-ups and turn-downs</p> <p><u>WATERPROOFING TO ROOFS, BASEMENTS, ETC</u></p> <p><u>Agrement approved flashing (As per Engineer's detail/scope of works)</u></p>			
1	Slide wall flashing	m	22	
2	Head wall flashing (south light windows)	m	6	
	<p style="text-align: right;">Carried Forward to Sectional Summary: 6</p> <p>Section No. 6 UNIT 9 Bill No. 2 WATERPROOFING PROVISIONAL BILL OF QUANTITIES NHBRC REMEDIAL WORK</p>		R	

**NHBRC REMEDIAL WORKS
KRONENDAL ESTATE, HOUT BAY, CAPE TOWN
WESTERN CAPE**

Item No		Quantity	Rate	Amount
<u>BILL NO 4</u>				
<u>ROOF COVERINGS ETC</u>				
Where battens for roof coverings form part of the plate nailed timber not roof truss design it shall be included under the roof construction in the "Carpentry and Joinery" trade and not under this trade				
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2	Ridges of tiles to match roofing tiles, bedded and pointed in 1:3 tinted cement mortar, including 300mm wide strip of 375 micron embossed dampproof course in accordance with SANS 952 Type B underlay	No	8	
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<u>ROOF WALL INSULATION</u>				
<u>Polyethylene bubblefold aluminium foil faced both sides</u>				
4	Insulation sheeting laid taut over purlins and fixed concurrent with roof covering with minimum 150mm stapled laps including galvanised (PVC coated) steel straining wires at not exceeding 400mm centres and double-sided tape at edges where required	m2	133	
Carried Forward to Sectional Summary: 6			R	
Section No. 6 UNIT 9 Bill No. 3 ROOF COVERING PROVISIONAL BILL OF QUANTITIES NHBRC REMEDIAL WORK				

**NHBRC REMEDIAL WORKS
KRONENDAL ESTATE, HOUT BAY, CAPE TOWN
WESTERN CAPE**

Item No		Quantity	Rate	Amount
	<p><u>BILL NO 5</u></p> <p><u>CARPENTRY AND JOINERY</u></p> <p><u>SUPPLEMENTARY PREAMBLES</u></p> <p><u>Fixing</u></p> <p>Items described as "nailed" shall be deemed to be fixed with hardened steel nails or shot pins to brickwork or concrete</p> <p>Items described as "plugged" shall be deemed to include screwing to fibre, plastic or metal plugs at not exceeding 500mm centres, and where described as "bolted", the bolts have been given elsewhere</p> <p><u>Joinery:</u></p> <p>Descriptions of frames shall be deemed to include frames, transomes, mullions, rails, etc</p> <p>Descriptions of hardwood joinery shall be deemed to include pelleting of bolt holes</p> <p><u>ROOFS ETC</u></p> <p>Note</p> <p>New (grade 5 SA PINE , H2 treated) purlins (50mmx76mm minimum size) on the exposed rafters. The purlins need to be sized on site according to the gap between top of rafter and top batten on truss. This gap varies and must be assessed for each house as the work progress. Due to the isoboard, wedges cannot be used to adjust the levels after the purlin has been fixed down and the purlin size will have to correct</p> <p>Purlins should be fixed to rafters with 200mm long M8 coach screws at each purlin/rafter intersection. Holes through purlins should be pre-drilled and 6mm pilot holes should be drilled for coach screws into rafters. The coach screw head should be countersunk into purlin</p> <p>Battens should be nailed down with 100mmx4mm wired nails at each battten truss intersection</p> <p style="text-align: right;">Carried forward</p> <p>Section No. 6 UNIT 9 Bill No. 4 CARPENTRY AND JOINERY PROVISIONAL BILL OF QUANTITIES NHBRC REMEDIAL WORK</p>		R	

**NHBRC REMEDIAL WORKS
KRONENDAL ESTATE, HOUT BAY, CAPE TOWN
WESTERN CAPE**

Brought forward

R

Sawn softwood grade ?

1	38x38mm Battening at 450mm centres for concrete slate roof tiles covering	m	153
2	50x76 mm Purlins	m	279

Carried Forward to Sectional Summary: 6

R

**Section No. 6
UNIT 9
Bill No. 4
CARPENTRY AND JOINERY
PROVISIONAL BILL OF QUANTITIES
NHBRC REMEDIAL WORK**

**NHBRC REMEDIAL WORKS
KRONENDAL ESTATE, HOUT BAY, CAPE TOWN
WESTERN CAPE**

Bill No	Section No. 6	Page No	Amount
	UNIT 9		
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1	ALTERATIONS	-42-	
2	WATERPROOFING	-43-	
3	ROOF COVERING	-44-	
4	CARPENTRY AND JOINERY	-46-	
	Carried to Final Summary		R
	Section No. 6 UNIT 9 <i>PROVISIONAL BILL OF QUANTITIES</i> <i>NHBRC REMEDIAL WORK</i>		

**NHBRC REMEDIAL WORKS
KRONENDAL ESTATE, HOUT BAY, CAPE TOWN
WESTERN CAPE**

Item No		Quantity	Rate	Amount
	<p><u>BILL NO 2</u></p> <p><u>ALTERATIONS</u></p> <p><u>SUPPLEMENTARY PREAMBLES</u></p> <p><u>View site</u></p> <p>Before submitting the tender the contractor shall visit the site and satisfy himself as to the nature and extent of the work to be done and the value of the materials contained in the buildings or portions of the buildings to be demolished. No claim for any variations of the contract sum in respect of the nature and extent of the work or of inferior or damaged materials will be entertained.</p> <p><u>Explosives</u></p> <p>No explosives whatsoever may be used for demolition purposes unless otherwise stated</p> <p><u>General</u></p> <p>The contractor shall carry out the whole of the works with as little mess and noise as possible and with minimum of disturbance to adjoining premises and their tenants. He/she shall provide proper protection and provide, erect and remove when directed, any temporary tarpaulins that may be necessary during the progress of the works, all to the satisfaction of the engineer.</p> <p>Water supply pipes and other piping that may be encountered and found necessary to disconnect or cut, shall be effectually stopped off or grubbed up and removed, and any new connections that may be necessary shall be made with proper fittings, to the satisfaction of the engineer.</p> <p style="text-align: right;">Carried forward</p> <p>Section No. 7 UNIT 14 Bill No. 1 ALTERATIONS PROVISIONAL BILL OF QUANTITIES NHBRC REMEDIAL WORK</p>		R	

**NHBRC REMEDIAL WORKS
KRONENDAL ESTATE, HOUT BAY, CAPE TOWN
WESTERN CAPE**

Brought forward			R
<u>Taking down and removing roofs, floors, panelling, ceilings, partitions, etc setting aside for re-use and later re fixing (as per Engineer's detail) in similar new position</u>			
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3	Coverland "Elite" flat concrete slate tiles	m2	103
4	Ridge tiles	No	15
5	Mono Ridge	No	15
6	Side wall and cover flashing	m	22
7	Gutters	m	24
Carried Forward to Sectional Summary: 7			R
Section No. 7 UNIT 14 Bill No. 1 ALTERATIONS PROVISIONAL BILL OF QUANTITIES NHBRC REMEDIAL WORK			

**NHBRC REMEDIAL WORKS
KRONENDAL ESTATE, HOUT BAY, CAPE TOWN
WESTERN CAPE**

Item No		Quantity	Rate	Amount
	<p><u>BILL NO 3</u></p> <p><u>WATERPROOFING</u></p> <p><u>SUPPLEMENTARY PREAMBLES</u></p> <p><u>Waterproofing</u></p> <p>Waterproofing of roofs, basements, etc shall be laid under a ten year guarantee. Waterproofing to roofs shall be laid to even falls to outlets etc with necessary ridges, hips and valleys. Descriptions of sheet or membrane waterproofing shall be deemed to include additional labour to turn-ups and turn-downs</p> <p><u>WATERPROOFING TO ROOFS, BASEMENTS, ETC</u></p> <p><u>Agreement approved flashing (As per Engineer's detail/scope of works)</u></p>			
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	<p style="text-align: right;">Carried Forward to Sectional Summary: 7</p> <p>Section No. 7 UNIT 14 Bill No. 2 WATERPROOFING PROVISIONAL BILL OF QUANTITIES NHBRC REMEDIAL WORK</p>		R	

**NHBRC REMEDIAL WORKS
KRONENDAL ESTATE, HOUT BAY, CAPE TOWN
WESTERN CAPE**

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4	Insulation sheeting laid taut over purlins and fixed concurrent with roof covering with minimum 150mm stapled laps including galvanised (PVC coated) steel straining wires at not exceeding 400mm centres and double-sided tape at edges where required	m2	133	
Carried Forward to Sectional Summary: 7			R	
Section No. 7 UNIT 14 Bill No. 3 ROOF COVERING PROVISIONAL BILL OF QUANTITIES NHBRC REMEDIAL WORK				

**NHBRC REMEDIAL WORKS
KRONENDAL ESTATE, HOUT BAY, CAPE TOWN
WESTERN CAPE**

Item No		Quantity	Rate	Amount
	<p><u>BILL NO 5</u></p> <p><u>CARPENTRY AND JOINERY</u></p> <p><u>SUPPLEMENTARY PREAMBLES</u></p> <p><u>Fixing</u></p> <p>Items described as "nailed" shall be deemed to be fixed with hardened steel nails or shot pins to brickwork or concrete</p> <p>Items described as "plugged" shall be deemed to include screwing to fibre, plastic or metal plugs at not exceeding 500mm centres, and where described as "bolted", the bolts have been given elsewhere</p> <p><u>Joinery:</u></p> <p>Descriptions of frames shall be deemed to include frames, transomes, mullions, rails, etc</p> <p>Descriptions of hardwood joinery shall be deemed to include pelleting of bolt holes</p> <p><u>ROOFS ETC</u></p> <p>Note</p> <p>New (grade 5 SA PINE , H2 treated) purlins (50mmx76mm minimum size) on the exposed rafters. The purlins need to be sized on site according to the gap between top of rafter and top batten on truss. This gap varies and must be assessed for each house as the work progress. Due to the isoboard, wedges cannot be used to adjust the levels after the purlin has been fixed down and the purlin size will have to correct</p> <p>Purlins should be fixed to rafters with 200mm long M8 coach screws at each purlin/rafter intersection. Holes through purlins should be pre-drilled and 6mm pilot holes should be drilled for coach screws into rafters. The coach screw head should be countersunk into purlin</p> <p>Battens should be nailed down with 100mmx4mm wired nails at each battten truss intersection</p> <p style="text-align: right;">Carried forward</p> <p>Section No. 7 UNIT 14 Bill No. 4 CARPENTRY AND JOINERY PROVISIONAL BILL OF QUANTITIES NHBRC REMEDIAL WORK</p>		R	

**NHBRC REMEDIAL WORKS
KRONENDAL ESTATE, HOUT BAY, CAPE TOWN
WESTERN CAPE**

Bill No	Section No. 7	Page No	Amount
	UNIT 14		
	<u>SECTION SUMMARY - UNIT 14</u>		
1	ALTERATIONS	-50-	
2	WATERPROOFING	-51-	
3	ROOF COVERING	-52-	
4	CARPENTRY AND JOINERY	-54-	
	Carried to Final Summary		R
	Section No. 7 UNIT 14 <i>PROVISIONAL BILL OF QUANTITIES</i> <i>NHBRC REMEDIAL WORK</i>		

**NHBRC REMEDIAL WORKS
KRONENDAL ESTATE, HOUT BAY, CAPE TOWN
WESTERN CAPE**

Item No		Quantity	Rate	Amount
	<p><u>BILL NO 2</u></p> <p><u>ALTERATIONS</u></p> <p><u>SUPPLEMENTARY PREAMBLES</u></p> <p><u>View site</u></p> <p>Before submitting the tender the contractor shall visit the site and satisfy himself as to the nature and extent of the work to be done and the value of the materials contained in the buildings or portions of the buildings to be demolished. No claim for any variations of the contract sum in respect of the nature and extent of the work or of inferior or damaged materials will be entertained.</p> <p><u>Explosives</u></p> <p>No explosives whatsoever may be used for demolition purposes unless otherwise stated</p> <p><u>General</u></p> <p>The contractor shall carry out the whole of the works with as little mess and noise as possible and with minimum of disturbance to adjoining premises and their tenants. He/she shall provide proper protection and provide, erect and remove when directed, any temporary tarpaulins that may be necessary during the progress of the works, all to the satisfaction of the engineer.</p> <p>Water supply pipes and other piping that may be encountered and found necessary to disconnect or cut, shall be effectually stopped off or grubbed up and removed, and any new connections that may be necessary shall be made with proper fittings, to the satisfaction of the engineer.</p> <p style="text-align: right;">Carried forward</p> <p>Section No. 8 UNIT 15 Bill No. 1 ALTERATIONS PROVISIONAL BILL OF QUANTITIES NHBRC REMEDIAL WORK</p>		R	

**NHBRC REMEDIAL WORKS
KRONENDAL ESTATE, HOUT BAY, CAPE TOWN
WESTERN CAPE**

	Brought forward			R
	<u>Taking down and removing roofs, floors, panelling, ceilings, partitions, etc setting aside for re-use and later re fixing (as per Engineer's detail) in similar new position</u>			
2	Fibre cement Barge and Fascia Boards	m	59	
3	Coverland "Elite" flat concrete slate tiles	m2	103	
4	Ridge tiles	No	15	
5	Mono Ridge	No	15	
6	Side wall and cover flashing	m	22	
7	Gutters	m	24	
	Carried Forward to Sectional Summary: 8			R
	Section No. 8 UNIT 15 Bill No. 1 ALTERATIONS PROVISIONAL BILL OF QUANTITIES NHBRC REMEDIAL WORK			

**NHBRC REMEDIAL WORKS
KRONENDAL ESTATE, HOUT BAY, CAPE TOWN
WESTERN CAPE**

Item No	<u>BILL NO 3</u>	Quantity	Rate	Amount
	<u>WATERPROOFING</u>			
	<u>SUPPLEMENTARY PREAMBLES</u>			
	<u>Waterproofing</u>			
	Waterproofing of roofs, basements, etc shall be laid under a ten year guarantee. Waterproofing to roofs shall be laid to even falls to outlets etc with necessary ridges, hips and valleys. Descriptions of sheet or membrane waterproofing shall be deemed to include additional labour to turn-ups and turn-downs			
	<u>WATERPROOFING TO ROOFS, BASEMENTS, ETC</u>			
	<u>Agreement approved flashing (As per Engineer's detail/scope of works)</u>			
1	Slide wall flashing	m	22	
2	Head wall flashing (south light windows)	m	6	
	Carried Forward to Sectional Summary: 8		R	
	Section No. 8 UNIT 15 Bill No. 2 WATERPROOFING PROVISIONAL BILL OF QUANTITIES NHBRC REMEDIAL WORK			

**NHBRC REMEDIAL WORKS
KRONENDAL ESTATE, HOUT BAY, CAPE TOWN
WESTERN CAPE**

Item No		Quantity	Rate	Amount
<u>BILL NO 4</u>				
<u>ROOF COVERINGS ETC</u>				
Where battens for roof coverings form part of the plate nailed timber not roof truss design it shall be included under the roof construction in the "Carpentry and Joinery" trade and not under this trade				
<u>340x420mm Elite flat concrete slate concrete tiles nailed with non corrosive nails to battens and purlins</u>				
1	Roof covering with a 26 degree pitch (Allow to replace 45% of existing tiles set aside for reuse due to breakage)	m2	60	
2	Ridges of tiles to match roofing tiles, bedded and pointed in 1:3 tinted cement mortar, including 300mm wide strip of 375 micron embossed dampproof course in accordance with SANS 952 Type B underlay	No	8	
3	Mono ridges of tiles to match roofing tiles, bedded and pointed in 1:3 tinted cement mortar, including 300mm wide strip of 375 micron embossed dampproof course in accordance with SANS 952 Type B underlay	No	8	
<u>ROOF WALL INSULATION</u>				
<u>Polyethylene bubblefold aluminium foil faced both sides</u>				
4	Insulation sheeting laid taut over purlins and fixed concurrent with roof covering with minimum 150mm stapled laps including galvanised (PVC coated) steel straining wires at not exceeding 400mm centres and double-sided tape at edges where required	m2	133	
Carried Forward to Sectional Summary: 8			R	
Section No. 8 UNIT 15 Bill No. 3 ROOF COVERING PROVISIONAL BILL OF QUANTITIES NHBRC REMEDIAL WORK				

**NHBRC REMEDIAL WORKS
KRONENDAL ESTATE, HOUT BAY, CAPE TOWN
WESTERN CAPE**

Item No		Quantity	Rate	Amount
	<p><u>BILL NO 5</u></p> <p><u>CARPENTRY AND JOINERY</u></p> <p><u>SUPPLEMENTARY PREAMBLES</u></p> <p><u>Fixing</u></p> <p>Items described as "nailed" shall be deemed to be fixed with hardened steel nails or shot pins to brickwork or concrete</p> <p>Items described as "plugged" shall be deemed to include screwing to fibre, plastic or metal plugs at not exceeding 500mm centres, and where described as "bolted", the bolts have been given elsewhere</p> <p><u>Joinery:</u></p> <p>Descriptions of frames shall be deemed to include frames, transomes, mullions, rails, etc</p> <p>Descriptions of hardwood joinery shall be deemed to include pelleting of bolt holes</p> <p><u>ROOFS ETC</u></p> <p>Note</p> <p>New (grade 5 SA PINE , H2 treated) purlins (50mmx76mm minimum size) on the exposed rafters. The purlins need to be sized on site according to the gap between top of rafter and top batten on truss. This gap varies and must be assessed for each house as the work progress. Due to the isoboard, wedges cannot be used to adjust the levels after the purlin has been fixed down and the purlin size will have to correct</p> <p>Purlins should be fixed to rafters with 200mm long M8 coach screws at each purlin/rafter intersection. Holes through purlins should be pre-drilled and 6mm pilot holes should be drilled for coach screws into rafters. The coach screw head should be countersunk into purlin</p> <p>Battens should be nailed down with 100mmx4mm wired nails at each battten truss intersection</p> <p style="text-align: right;">Carried forward</p> <p>Section No. 8 UNIT 15 Bill No. 4 CARPENTRY AND JOINERY PROVISIONAL BILL OF QUANTITIES NHBRC REMEDIAL WORK</p>		R	

**NHBRC REMEDIAL WORKS
KRONENDAL ESTATE, HOUT BAY, CAPE TOWN
WESTERN CAPE**

Bill No	Section No. 8	Page No	Amount
	UNIT 15		
	<u>SECTION SUMMARY - UNIT 15</u>		
1	ALTERATIONS	-58-	
2	WATERPROOFING	-59-	
3	ROOF COVERING	-60-	
4	CARPENTRY AND JOINERY	-62-	
	Carried to Final Summary		R
	Section No. 8 UNIT 15 PROVISIONAL BILL OF QUANTITIES NHBRC REMEDIAL WORK		

**NHBRC REMEDIAL WORKS
KRONENDAL ESTATE, HOUT BAY, CAPE TOWN
WESTERN CAPE**

Item No	Quantity	Rate	Amount
<p><u>BILL NO 2</u></p> <p><u>ALTERATIONS</u></p> <p><u>SUPPLEMENTARY PREAMBLES</u></p> <p><u>View site</u></p> <p>Before submitting the tender the contractor shall visit the site and satisfy himself as to the nature and extent of the work to be done and the value of the materials contained in the buildings or portions of the buildings to be demolished. No claim for any variations of the contract sum in respect of the nature and extent of the work or of inferior or damaged materials will be entertained.</p> <p><u>Explosives</u></p> <p>No explosives whatsoever may be used for demolition purposes unless otherwise stated</p> <p><u>General</u></p> <p>The contractor shall carry out the whole of the works with as little mess and noise as possible and with minimum of disturbance to adjoining premises and their tenants. He/she shall provide proper protection and provide, erect and remove when directed, any temporary tarpaulins that may be necessary during the progress of the works, all to the satisfaction of the engineer.</p> <p>Water supply pipes and other piping that may be encountered and found necessary to disconnect or cut, shall be effectually stopped off or grubbed up and removed, and any new connections that may be necessary shall be made with proper fittings, to the satisfaction of the engineer.</p> <p style="text-align: right;">Carried forward</p> <p>Section No. 9 UNIT 16 Bill No. 1 ALTERATIONS PROVISIONAL BILL OF QUANTITIES NHBRC REMEDIAL WORK</p>		R	

**NHBRC REMEDIAL WORKS
KRONENDAL ESTATE, HOUT BAY, CAPE TOWN
WESTERN CAPE**

Brought forward			R
<u>Taking down and removing roofs, floors, panelling, ceilings, partitions, etc setting aside for re-use and later re fixing (as per Engineer's detail) in similar new position</u>			
2	Fibre cement Barge and Fascia Boards	m	59
3	Coverland "Elite" flat concrete slate tiles	m2	103
4	Ridge tiles	No	15
5	Mono Ridge	No	15
6	Side wall and cover flashing	m	22
7	Gutters	m	24
Carried Forward to Sectional Summary: 9			R
Section No. 9 UNIT 16 Bill No. 1 ALTERATIONS PROVISIONAL BILL OF QUANTITIES NHBRC REMEDIAL WORK			

**NHBRC REMEDIAL WORKS
KRONENDAL ESTATE, HOUT BAY, CAPE TOWN
WESTERN CAPE**

Item No		Quantity	Rate	Amount
	<p><u>BILL NO 3</u></p> <p><u>WATERPROOFING</u></p> <p><u>SUPPLEMENTARY PREAMBLES</u></p> <p><u>Waterproofing</u></p> <p>Waterproofing of roofs, basements, etc shall be laid under a ten year guarantee. Waterproofing to roofs shall be laid to even falls to outlets etc with necessary ridges, hips and valleys. Descriptions of sheet or membrane waterproofing shall be deemed to include additional labour to turn-ups and turn-downs</p> <p><u>WATERPROOFING TO ROOFS, BASEMENTS, ETC</u></p> <p><u>Agrement approved flashing (As per Engineer's detail/scope of works)</u></p>			
1	Slide wall flashing	m	22	
2	Head wall flashing (south light windows)	m	6	
	<p style="text-align: right;">Carried Forward to Sectional Summary: 9</p> <p>Section No. 9 UNIT 16 Bill No. 2 WATERPROOFING PROVISIONAL BILL OF QUANTITIES NHBRC REMEDIAL WORK</p>		R	

**NHBRC REMEDIAL WORKS
KRONENDAL ESTATE, HOUT BAY, CAPE TOWN
WESTERN CAPE**

Item No		Quantity	Rate	Amount
<u>BILL NO 4</u>				
<u>ROOF COVERINGS ETC</u>				
Where battens for roof coverings form part of the plate nailed timber not roof truss design it shall be included under the roof construction in the "Carpentry and Joinery" trade and not under this trade				
<u>340x420mm Elite flat concrete slate concrete tiles nailed with non corrosive nails to battens and purlins</u>				
1	Roof covering with a 26 degree pitch (Allow to replace 45% of existing tiles set aside for reuse due to breakage)	m2	60	
2	Ridges of tiles to match roofing tiles, bedded and pointed in 1:3 tinted cement mortar, including 300mm wide strip of 375 micron embossed dampproof course in accordance with SANS 952 Type B underlay	No	8	
3	Mono ridges of tiles to match roofing tiles, bedded and pointed in 1:3 tinted cement mortar, including 300mm wide strip of 375 micron embossed dampproof course in accordance with SANS 952 Type B underlay	No	8	
<u>ROOF WALL INSULATION</u>				
<u>Polyethylene bubblefold aluminium foil faced both sides</u>				
4	Insulation sheeting laid taut over purlins and fixed concurrent with roof covering with minimum 150mm stapled laps including galvanised (PVC coated) steel straining wires at not exceeding 400mm centres and double-sided tape at edges where required	m2	133	
Carried Forward to Sectional Summary: 9			R	
Section No. 9 UNIT 16 Bill No. 3 ROOF COVERING PROVISIONAL BILL OF QUANTITIES NHBRC REMEDIAL WORK				

**NHBRC REMEDIAL WORKS
KRONENDAL ESTATE, HOUT BAY, CAPE TOWN
WESTERN CAPE**

Item No		Quantity	Rate	Amount
	<p><u>BILL NO 5</u></p> <p><u>CARPENTRY AND JOINERY</u></p> <p><u>SUPPLEMENTARY PREAMBLES</u></p> <p><u>Fixing</u></p> <p>Items described as "nailed" shall be deemed to be fixed with hardened steel nails or shot pins to brickwork or concrete</p> <p>Items described as "plugged" shall be deemed to include screwing to fibre, plastic or metal plugs at not exceeding 500mm centres, and where described as "bolted", the bolts have been given elsewhere</p> <p><u>Joinery:</u></p> <p>Descriptions of frames shall be deemed to include frames, transomes, mullions, rails, etc</p> <p>Descriptions of hardwood joinery shall be deemed to include pelleting of bolt holes</p> <p><u>ROOFS ETC</u></p> <p>Note</p> <p>New (grade 5 SA PINE , H2 treated) purlins (50mmx76mm minimum size) on the exposed rafters. The purlins need to be sized on site according to the gap between top of rafter and top batten on truss. This gap varies and must be assessed for each house as the work progress. Due to the isoboard, wedges cannot be used to adjust the levels after the purlin has been fixed down and the purlin size will have to correct</p> <p>Purlins should be fixed to rafters with 200mm long M8 coach screws at each purlin/rafter intersection. Holes through purlins should be pre-drilled and 6mm pilot holes should be drilled for coach screws into rafters. The coach screw head should be countersunk into purlin</p> <p>Battens should be nailed down with 100mmx4mm wired nails at each battten truss intersection</p> <p style="text-align: right;">Carried forward</p> <p>Section No. 9 UNIT 16 Bill No. 4 CARPENTRY AND JOINERY PROVISIONAL BILL OF QUANTITIES NHBRC REMEDIAL WORK</p>		R	

**NHBRC REMEDIAL WORKS
KRONENDAL ESTATE, HOUT BAY, CAPE TOWN
WESTERN CAPE**

Brought forward

R

Sawn softwood grade ?

1	38x38mm Battening at 450mm centres for concrete slate roof tiles covering	m	153
2	50x76 mm Purlins	m	279

Carried Forward to Sectional Summary: 9

R

**Section No. 9
UNIT 16
Bill No. 4
CARPENTRY AND JOINERY
PROVISIONAL BILL OF QUANTITIES
NHBRC REMEDIAL WORK**

**NHBRC REMEDIAL WORKS
KRONENDAL ESTATE, HOUT BAY, CAPE TOWN
WESTERN CAPE**

Bill No	Section No. 9	Page No	Amount
	UNIT 16		
	<u>SECTION SUMMARY - UNIT 16</u>		
1	ALTERATIONS	-66-	
2	WATERPROOFING	-67-	
3	ROOF COVERING	-68-	
4	CARPENTRY AND JOINERY	-70-	
	Carried to Final Summary		R
	Section No. 9 UNIT 16 <i>PROVISIONAL BILL OF QUANTITIES</i> <i>NHBRC REMEDIAL WORK</i>		

**NHBRC REMEDIAL WORKS
KRONENDAL ESTATE, HOUT BAY, CAPE TOWN
WESTERN CAPE**

Item No		Quantity	Rate	Amount
	<p><u>BILL NO 2</u></p> <p><u>ALTERATIONS</u></p> <p><u>SUPPLEMENTARY PREAMBLES</u></p> <p><u>View site</u></p> <p>Before submitting the tender the contractor shall visit the site and satisfy himself as to the nature and extent of the work to be done and the value of the materials contained in the buildings or portions of the buildings to be demolished. No claim for any variations of the contract sum in respect of the nature and extent of the work or of inferior or damaged materials will be entertained.</p> <p><u>Explosives</u></p> <p>No explosives whatsoever may be used for demolition purposes unless otherwise stated</p> <p><u>General</u></p> <p>The contractor shall carry out the whole of the works with as little mess and noise as possible and with minimum of disturbance to adjoining premises and their tenants. He/she shall provide proper protection and provide, erect and remove when directed, any temporary tarpaulins that may be necessary during the progress of the works, all to the satisfaction of the engineer.</p> <p>Water supply pipes and other piping that may be encountered and found necessary to disconnect or cut, shall be effectually stopped off or grubbed up and removed, and any new connections that may be necessary shall be made with proper fittings, to the satisfaction of the engineer.</p> <p style="text-align: right;">Carried forward</p> <p>Section No. 10 UNIT 20 Bill No. 1 ALTERATIONS PROVISIONAL BILL OF QUANTITIES NHBRC REMEDIAL WORK</p>		R	

**NHBRC REMEDIAL WORKS
KRONENDAL ESTATE, HOUT BAY, CAPE TOWN
WESTERN CAPE**

Brought forward			R
<u>Taking down and removing roofs, floors, panelling, ceilings, partitions, etc setting aside for re-use and later re fixing (as per Engineer's detail) in similar new position</u>			
2	Fibre cement Barge and Fascia Boards	m	59
3	Coverland "Elite" flat concrete slate tiles	m2	103
4	Ridge tiles	No	15
5	Mono Ridge	No	15
6	Side wall and cover flashing	m	22
7	Gutters	m	24
Carried Forward to Sectional Summary: 10			R
Section No. 10 UNIT 20 Bill No. 1 ALTERATIONS PROVISIONAL BILL OF QUANTITIES NHBRC REMEDIAL WORK			

**NHBRC REMEDIAL WORKS
KRONENDAL ESTATE, HOUT BAY, CAPE TOWN
WESTERN CAPE**

Item No		Quantity	Rate	Amount
	<p><u>BILL NO 3</u></p> <p><u>WATERPROOFING</u></p> <p><u>SUPPLEMENTARY PREAMBLES</u></p> <p><u>Waterproofing</u></p> <p>Waterproofing of roofs, basements, etc shall be laid under a ten year guarantee. Waterproofing to roofs shall be laid to even falls to outlets etc with necessary ridges, hips and valleys. Descriptions of sheet or membrane waterproofing shall be deemed to include additional labour to turn-ups and turn-downs</p> <p><u>WATERPROOFING TO ROOFS, BASEMENTS, ETC</u></p> <p><u>Agrement approved flashing (As per Engineer's detail/scope of works)</u></p>			
1	Slide wall flashing	m	22	
2	Head wall flashing (south light windows)	m	6	
	<p style="text-align: right;">Carried Forward to Sectional Summary: 10</p> <p>Section No. 10 UNIT 20 Bill No. 2 WATERPROOFING PROVISIONAL BILL OF QUANTITIES NHBRC REMEDIAL WORK</p>		R	

**NHBRC REMEDIAL WORKS
KRONENDAL ESTATE, HOUT BAY, CAPE TOWN
WESTERN CAPE**

Item No		Quantity	Rate	Amount
<u>BILL NO 4</u>				
<u>ROOF COVERINGS ETC</u>				
Where battens for roof coverings form part of the plate nailed timber not roof truss design it shall be included under the roof construction in the "Carpentry and Joinery" trade and not under this trade				
<u>340x420mm Elite flat concrete slate concrete tiles nailed with non corrosive nails to battens and purlins</u>				
1	Roof covering with a 26 degree pitch (Allow to replace 45% of existing tiles set aside for reuse due to breakage)	m2	60	
2	Ridges of tiles to match roofing tiles, bedded and pointed in 1:3 tinted cement mortar, including 300mm wide strip of 375 micron embossed dampproof course in accordance with SANS 952 Type B underlay	No	8	
3	Mono ridges of tiles to match roofing tiles, bedded and pointed in 1:3 tinted cement mortar, including 300mm wide strip of 375 micron embossed dampproof course in accordance with SANS 952 Type B underlay	No	8	
<u>ROOF WALL INSULATION</u>				
<u>Polyethylene bubblefold aluminium foil faced both sides</u>				
4	Insulation sheeting laid taut over purlins and fixed concurrent with roof covering with minimum 150mm stapled laps including galvanised (PVC coated) steel straining wires at not exceeding 400mm centres and double-sided tape at edges where required	m2	133	
Carried Forward to Sectional Summary: 10			R	
Section No. 10 UNIT 20 Bill No. 3 ROOF COVERING PROVISIONAL BILL OF QUANTITIES NHBRC REMEDIAL WORK				

**NHBRC REMEDIAL WORKS
KRONENDAL ESTATE, HOUT BAY, CAPE TOWN
WESTERN CAPE**

Item No		Quantity	Rate	Amount
	<p><u>BILL NO 5</u></p> <p><u>CARPENTRY AND JOINERY</u></p> <p><u>SUPPLEMENTARY PREAMBLES</u></p> <p><u>Fixing</u></p> <p>Items described as "nailed" shall be deemed to be fixed with hardened steel nails or shot pins to brickwork or concrete</p> <p>Items described as "plugged" shall be deemed to include screwing to fibre, plastic or metal plugs at not exceeding 500mm centres, and where described as "bolted", the bolts have been given elsewhere</p> <p><u>Joinery:</u></p> <p>Descriptions of frames shall be deemed to include frames, transomes, mullions, rails, etc</p> <p>Descriptions of hardwood joinery shall be deemed to include pelleting of bolt holes</p> <p><u>ROOFS ETC</u></p> <p>Note</p> <p>New (grade 5 SA PINE , H2 treated) purlins (50mmx76mm minimum size) on the exposed rafters. The purlins need to be sized on site according to the gap between top of rafter and top batten on truss. This gap varies and must be assessed for each house as the work progress. Due to the isoboard, wedges cannot be used to adjust the levels after the purlin has been fixed down and the purlin size will have to correct</p> <p>Purlins should be fixed to rafters with 200mm long M8 coach screws at each purlin/rafter intersection. Holes through purlins should be pre-drilled and 6mm pilot holes should be drilled for coach screws into rafters. The coach screw head should be countersunk into purlin</p> <p>Battens should be nailed down with 100mmx4mm wired nails at each battten truss intersection</p> <p style="text-align: right;">Carried forward</p> <p>Section No. 10 UNIT 20 Bill No. 4 CARPENTRY AND JOINERY PROVISIONAL BILL OF QUANTITIES NHBRC REMEDIAL WORK</p>		R	

**NHBRC REMEDIAL WORKS
KRONENDAL ESTATE, HOUT BAY, CAPE TOWN
WESTERN CAPE**

Bill No	Section No. 10	Page No	Amount
	UNIT 20		
	<u>SECTION SUMMARY - UNIT 20</u>		
1	ALTERATIONS	-74-	
2	WATERPROOFING	-75-	
3	ROOF COVERING	-76-	
4	CARPENTRY AND JOINERY	-78-	
	Carried to Final Summary		R
	Section No. 10 UNIT 20 PROVISIONAL BILL OF QUANTITIES NHBRC REMEDIAL WORK		

**NHBRC REMEDIAL WORKS
KRONENDAL ESTATE, HOUT BAY, CAPE TOWN
WESTERN CAPE**

Item No		Quantity	Rate	Amount
	<p><u>BILL NO 2</u></p> <p><u>ALTERATIONS</u></p> <p><u>SUPPLEMENTARY PREAMBLES</u></p> <p><u>View site</u></p> <p>Before submitting the tender the contractor shall visit the site and satisfy himself as to the nature and extent of the work to be done and the value of the materials contained in the buildings or portions of the buildings to be demolished. No claim for any variations of the contract sum in respect of the nature and extent of the work or of inferior or damaged materials will be entertained.</p> <p><u>Explosives</u></p> <p>No explosives whatsoever may be used for demolition purposes unless otherwise stated</p> <p><u>General</u></p> <p>The contractor shall carry out the whole of the works with as little mess and noise as possible and with minimum of disturbance to adjoining premises and their tenants. He/she shall provide proper protection and provide, erect and remove when directed, any temporary tarpaulins that may be necessary during the progress of the works, all to the satisfaction of the engineer.</p> <p>Water supply pipes and other piping that may be encountered and found necessary to disconnect or cut, shall be effectually stopped off or grubbed up and removed, and any new connections that may be necessary shall be made with proper fittings, to the satisfaction of the engineer.</p> <p style="text-align: right;">Carried forward</p> <p>Section No. 11 UNIT 26 Bill No. 1 ALTERATIONS PROVISIONAL BILL OF QUANTITIES NHBRC REMEDIAL WORK</p>		R	

**NHBRC REMEDIAL WORKS
KRONENDAL ESTATE, HOUT BAY, CAPE TOWN
WESTERN CAPE**

Brought forward			R
<u>Taking down and removing roofs, floors, panelling, ceilings, partitions, etc setting aside for re-use and later re fixing (as per Engineer's detail) in similar new position</u>			
2	Fibre cement Barge and Fascia Boards	m	59
3	Coverland "Elite" flat concrete slate tiles	m2	103
4	Ridge tiles	No	15
5	Mono Ridge	No	15
6	Side wall and cover flashing	m	22
7	Gutters	m	24
Carried Forward to Sectional Summary: 11			R
Section No. 11 UNIT 26 Bill No. 1 ALTERATIONS PROVISIONAL BILL OF QUANTITIES NHBRC REMEDIAL WORK			

**NHBRC REMEDIAL WORKS
KRONENDAL ESTATE, HOUT BAY, CAPE TOWN
WESTERN CAPE**

Item No		Quantity	Rate	Amount
	<p><u>BILL NO 3</u></p> <p><u>WATERPROOFING</u></p> <p><u>SUPPLEMENTARY PREAMBLES</u></p> <p><u>Waterproofing</u></p> <p>Waterproofing of roofs, basements, etc shall be laid under a ten year guarantee. Waterproofing to roofs shall be laid to even falls to outlets etc with necessary ridges, hips and valleys. Descriptions of sheet or membrane waterproofing shall be deemed to include additional labour to turn-ups and turn-downs</p> <p><u>WATERPROOFING TO ROOFS, BASEMENTS, ETC</u></p> <p><u>Agrement approved flashing (As per Engineer's detail/scope of works)</u></p>			
1	Slide wall flashing	m	22	
2	Head wall flashing (south light windows)	m	6	
	<p style="text-align: right;">Carried Forward to Sectional Summary: 11</p> <p>Section No. 11 UNIT 26 Bill No. 2 WATERPROOFING PROVISIONAL BILL OF QUANTITIES NHBRC REMEDIAL WORK</p>		R	

**NHBRC REMEDIAL WORKS
KRONENDAL ESTATE, HOUT BAY, CAPE TOWN
WESTERN CAPE**

Item No		Quantity	Rate	Amount
<u>BILL NO 4</u>				
<u>ROOF COVERINGS ETC</u>				
Where battens for roof coverings form part of the plate nailed timber not roof truss design it shall be included under the roof construction in the "Carpentry and Joinery" trade and not under this trade				
<u>340x420mm Elite flat concrete slate concrete tiles nailed with non corrosive nails to battens and purlins</u>				
1	Roof covering with a 26 degree pitch (Allow to replace 45% of existing tiles set aside for reuse due to breakage)	m2	60	
2	Ridges of tiles to match roofing tiles, bedded and pointed in 1:3 tinted cement mortar, including 300mm wide strip of 375 micron embossed dampproof course in accordance with SANS 952 Type B underlay	No	8	
3	Mono ridges of tiles to match roofing tiles, bedded and pointed in 1:3 tinted cement mortar, including 300mm wide strip of 375 micron embossed dampproof course in accordance with SANS 952 Type B underlay	No	8	
<u>ROOF WALL INSULATION</u>				
<u>Polyethylene bubblefold aluminium foil faced both sides</u>				
4	Insulation sheeting laid taut over purlins and fixed concurrent with roof covering with minimum 150mm stapled laps including galvanised (PVC coated) steel straining wires at not exceeding 400mm centres and double-sided tape at edges where required	m2	133	
Carried Forward to Sectional Summary: 11			R	
Section No. 11 UNIT 26 Bill No. 3 ROOF COVERING PROVISIONAL BILL OF QUANTITIES NHBRC REMEDIAL WORK				

**NHBRC REMEDIAL WORKS
KRONENDAL ESTATE, HOUT BAY, CAPE TOWN
WESTERN CAPE**

Item No		Quantity	Rate	Amount
	<p><u>BILL NO 5</u></p> <p><u>CARPENTRY AND JOINERY</u></p> <p><u>SUPPLEMENTARY PREAMBLES</u></p> <p><u>Fixing</u></p> <p>Items described as "nailed" shall be deemed to be fixed with hardened steel nails or shot pins to brickwork or concrete</p> <p>Items described as "plugged" shall be deemed to include screwing to fibre, plastic or metal plugs at not exceeding 500mm centres, and where described as "bolted", the bolts have been given elsewhere</p> <p><u>Joinery:</u></p> <p>Descriptions of frames shall be deemed to include frames, transomes, mullions, rails, etc</p> <p>Descriptions of hardwood joinery shall be deemed to include pelleting of bolt holes</p> <p><u>ROOFS ETC</u></p> <p>Note</p> <p>New (grade 5 SA PINE , H2 treated) purlins (50mmx76mm minimum size) on the exposed rafters. The purlins need to be sized on site according to the gap between top of rafter and top batten on truss. This gap varies and must be assessed for each house as the work progress. Due to the isoboard, wedges cannot be used to adjust the levels after the purlin has been fixed down and the purlin size will have to correct</p> <p>Purlins should be fixed to rafters with 200mm long M8 coach screws at each purlin/rafter intersection. Holes through purlins should be pre-drilled and 6mm pilot holes should be drilled for coach screws into rafters. The coach screw head should be countersunk into purlin</p> <p>Battens should be nailed down with 100mmx4mm wired nails at each battten truss intersection</p> <p style="text-align: right;">Carried forward</p> <p>Section No. 11 UNIT 26 Bill No. 4 CARPENTRY AND JOINERY PROVISIONAL BILL OF QUANTITIES NHBRC REMEDIAL WORK</p>		R	

**NHBRC REMEDIAL WORKS
KRONENDAL ESTATE, HOUT BAY, CAPE TOWN
WESTERN CAPE**

Brought forward

R

Sawn softwood grade ?

1	38x38mm Battening at 450mm centres for concrete slate roof tiles covering	m	153
2	50x76 mm Purlins	m	279

Carried Forward to Sectional Summary: 11

R

**Section No. 11
UNIT 26
Bill No. 4
CARPENTRY AND JOINERY
PROVISIONAL BILL OF QUANTITIES
NHBRC REMEDIAL WORK**

**NHBRC REMEDIAL WORKS
KRONENDAL ESTATE, HOUT BAY, CAPE TOWN
WESTERN CAPE**

Bill No	Section No. 11	Page No	Amount
	UNIT 26		
	<u>SECTION SUMMARY - UNIT 26</u>		
1	ALTERATIONS	-82-	
2	WATERPROOFING	-83-	
3	ROOF COVERING	-84-	
4	CARPENTRY AND JOINERY	-86-	
	Carried to Final Summary		R
	Section No. 11 UNIT 26 <i>PROVISIONAL BILL OF QUANTITIES</i> <i>NHBRC REMEDIAL WORK</i>		

**NHBRC REMEDIAL WORKS
KRONENDAL ESTATE, HOUT BAY, CAPE TOWN
WESTERN CAPE**

Item No		Quantity	Rate	Amount
	<p><u>BILL NO 2</u></p> <p><u>ALTERATIONS</u></p> <p><u>SUPPLEMENTARY PREAMBLES</u></p> <p><u>View site</u></p> <p>Before submitting the tender the contractor shall visit the site and satisfy himself as to the nature and extent of the work to be done and the value of the materials contained in the buildings or portions of the buildings to be demolished. No claim for any variations of the contract sum in respect of the nature and extent of the work or of inferior or damaged materials will be entertained.</p> <p><u>Explosives</u></p> <p>No explosives whatsoever may be used for demolition purposes unless otherwise stated</p> <p><u>General</u></p> <p>The contractor shall carry out the whole of the works with as little mess and noise as possible and with minimum of disturbance to adjoining premises and their tenants. He/she shall provide proper protection and provide, erect and remove when directed, any temporary tarpaulins that may be necessary during the progress of the works, all to the satisfaction of the engineer.</p> <p>Water supply pipes and other piping that may be encountered and found necessary to disconnect or cut, shall be effectually stopped off or grubbed up and removed, and any new connections that may be necessary shall be made with proper fittings, to the satisfaction of the engineer.</p> <p style="text-align: right;">Carried forward</p> <p>Section No. 12 UNIT 29 Bill No. 1 ALTERATIONS PROVISIONAL BILL OF QUANTITIES NHBRC REMEDIAL WORK</p>		R	

**NHBRC REMEDIAL WORKS
KRONENDAL ESTATE, HOUT BAY, CAPE TOWN
WESTERN CAPE**

	Brought forward			R
	<u>Taking down and removing roofs, floors, panelling, ceilings, partitions, etc setting aside for re-use and later re fixing (as per Engineer's detail) in similar new position</u>			
2	Fibre cement Barge and Fascia Boards	m	59	
3	Coverland "Elite" flat concrete slate tiles	m2	103	
4	Ridge tiles	No	15	
5	Mono Ridge	No	15	
6	Side wall and cover flashing	m	22	
7	Gutters	m	24	
	Carried Forward to Sectional Summary: 12			R
	Section No. 12 UNIT 29 Bill No. 1 ALTERATIONS PROVISIONAL BILL OF QUANTITIES NHBRC REMEDIAL WORK			

**NHBRC REMEDIAL WORKS
KRONENDAL ESTATE, HOUT BAY, CAPE TOWN
WESTERN CAPE**

Item No		Quantity	Rate	Amount
	<p><u>BILL NO 3</u></p> <p><u>WATERPROOFING</u></p> <p><u>SUPPLEMENTARY PREAMBLES</u></p> <p><u>Waterproofing</u></p> <p>Waterproofing of roofs, basements, etc shall be laid under a ten year guarantee. Waterproofing to roofs shall be laid to even falls to outlets etc with necessary ridges, hips and valleys. Descriptions of sheet or membrane waterproofing shall be deemed to include additional labour to turn-ups and turn-downs</p> <p><u>WATERPROOFING TO ROOFS, BASEMENTS, ETC</u></p> <p><u>Agrement approved flashing (As per Engineer's detail/scope of works)</u></p>			
1	Slide wall flashing	m	22	
2	Head wall flashing (south light windows)	m	6	
	<p style="text-align: right;">Carried Forward to Sectional Summary: 12</p> <p>Section No. 12 UNIT 29 Bill No. 2 WATERPROOFING PROVISIONAL BILL OF QUANTITIES NHBRC REMEDIAL WORK</p>		R	

**NHBRC REMEDIAL WORKS
KRONENDAL ESTATE, HOUT BAY, CAPE TOWN
WESTERN CAPE**

Item No		Quantity	Rate	Amount
<u>BILL NO 4</u>				
<u>ROOF COVERINGS ETC</u>				
Where battens for roof coverings form part of the plate nailed timber not roof truss design it shall be included under the roof construction in the "Carpentry and Joinery" trade and not under this trade				
<u>340x420mm Elite flat concrete slate concrete tiles nailed with non corrosive nails to battens and purlins</u>				
1	Roof covering with a 26 degree pitch (Allow to replace 45% of existing tiles set aside for reuse due to breakage)	m2	60	
2	Ridges of tiles to match roofing tiles, bedded and pointed in 1:3 tinted cement mortar, including 300mm wide strip of 375 micron embossed dampproof course in accordance with SANS 952 Type B underlay	No	8	
3	Mono ridges of tiles to match roofing tiles, bedded and pointed in 1:3 tinted cement mortar, including 300mm wide strip of 375 micron embossed dampproof course in accordance with SANS 952 Type B underlay	No	8	
<u>ROOF WALL INSULATION</u>				
<u>Polyethylene bubblefold aluminium foil faced both sides</u>				
4	Insulation sheeting laid taut over purlins and fixed concurrent with roof covering with minimum 150mm stapled laps including galvanised (PVC coated) steel straining wires at not exceeding 400mm centres and double-sided tape at edges where required	m2	133	
Carried Forward to Sectional Summary: 12			R	
Section No. 12 UNIT 29 Bill No. 3 ROOF COVERING PROVISIONAL BILL OF QUANTITIES NHBRC REMEDIAL WORK				

**NHBRC REMEDIAL WORKS
KRONENDAL ESTATE, HOUT BAY, CAPE TOWN
WESTERN CAPE**

Item No		Quantity	Rate	Amount
	<p><u>BILL NO 5</u></p> <p><u>CARPENTRY AND JOINERY</u></p> <p><u>SUPPLEMENTARY PREAMBLES</u></p> <p><u>Fixing</u></p> <p>Items described as "nailed" shall be deemed to be fixed with hardened steel nails or shot pins to brickwork or concrete</p> <p>Items described as "plugged" shall be deemed to include screwing to fibre, plastic or metal plugs at not exceeding 500mm centres, and where described as "bolted", the bolts have been given elsewhere</p> <p><u>Joinery:</u></p> <p>Descriptions of frames shall be deemed to include frames, transomes, mullions, rails, etc</p> <p>Descriptions of hardwood joinery shall be deemed to include pelleting of bolt holes</p> <p><u>ROOFS ETC</u></p> <p>Note</p> <p>New (grade 5 SA PINE , H2 treated) purlins (50mmx76mm minimum size) on the exposed rafters. The purlins need to be sized on site according to the gap between top of rafter and top batten on truss. This gap varies and must be assessed for each house as the work progress. Due to the isoboard, wedges cannot be used to adjust the levels after the purlin has been fixed down and the purlin size will have to correct</p> <p>Purlins should be fixed to rafters with 200mm long M8 coach screws at each purlin/rafter intersection. Holes through purlins should be pre-drilled and 6mm pilot holes should be drilled for coach screws into rafters. The coach screw head should be countersunk into purlin</p> <p>Battens should be nailed down with 100mmx4mm wired nails at each battten truss intersection</p> <p style="text-align: right;">Carried forward</p> <p>Section No. 12 UNIT 29 Bill No. 4 CARPENTRY AND JOINERY PROVISIONAL BILL OF QUANTITIES NHBRC REMEDIAL WORK</p>		R	

**NHBRC REMEDIAL WORKS
KRONENDAL ESTATE, HOUT BAY, CAPE TOWN
WESTERN CAPE**

	Brought forward			R
	<u>Sawn softwood grade ?</u>			
1	38x38mm Battening at 450mm centres for concrete slate roof tiles covering	m	153	
2	50x76 mm Purlins	m	279	
Carried Forward to Sectional Summary: 12				R
Section No. 12 UNIT 29 Bill No. 4 CARPENTRY AND JOINERY PROVISIONAL BILL OF QUANTITIES NHBRC REMEDIAL WORK				

**NHBRC REMEDIAL WORKS
KRONENDAL ESTATE, HOUT BAY, CAPE TOWN
WESTERN CAPE**

Bill No	Section No. 12	Page No	Amount
	UNIT 29		
	<u>SECTION SUMMARY - UNIT 29</u>		
1	ALTERATIONS	-90-	
2	WATERPROOFING	-91-	
3	ROOF COVERING	-92-	
4	CARPENTRY AND JOINERY	-94-	
	Carried to Final Summary		R
	Section No. 12		
	UNIT 29		
	PROVISIONAL BILL OF QUANTITIES		
	NHBRC REMEDIAL WORK		

**NHBRC REMEDIAL WORKS
KRONENDAL ESTATE, HOUT BAY, CAPE TOWN
WESTERN CAPE**

Item No		Quantity	Rate	Amount
	<p><u>BILL NO 2</u></p> <p><u>ALTERATIONS</u></p> <p><u>SUPPLEMENTARY PREAMBLES</u></p> <p><u>View site</u></p> <p>Before submitting the tender the contractor shall visit the site and satisfy himself as to the nature and extent of the work to be done and the value of the materials contained in the buildings or portions of the buildings to be demolished. No claim for any variations of the contract sum in respect of the nature and extent of the work or of inferior or damaged materials will be entertained.</p> <p><u>Explosives</u></p> <p>No explosives whatsoever may be used for demolition purposes unless otherwise stated</p> <p><u>General</u></p> <p>The contractor shall carry out the whole of the works with as little mess and noise as possible and with minimum of disturbance to adjoining premises and their tenants. He/she shall provide proper protection and provide, erect and remove when directed, any temporary tarpaulins that may be necessary during the progress of the works, all to the satisfaction of the engineer.</p> <p>Water supply pipes and other piping that may be encountered and found necessary to disconnect or cut, shall be effectually stopped off or grubbed up and removed, and any new connections that may be necessary shall be made with proper fittings, to the satisfaction of the engineer.</p> <p style="text-align: right;">Carried forward</p> <p>Section No. 13 UNIT 31 Bill No. 1 ALTERATIONS PROVISIONAL BILL OF QUANTITIES NHBRC REMEDIAL WORK</p>		R	

**NHBRC REMEDIAL WORKS
KRONENDAL ESTATE, HOUT BAY, CAPE TOWN
WESTERN CAPE**

Brought forward			R
<u>Taking down and removing roofs, floors, panelling, ceilings, partitions, etc setting aside for re-use and later re fixing (as per Engineer's detail) in similar new position</u>			
2	Fibre cement Barge and Fascia Boards	m	59
3	Coverland "Elite" flat concrete slate tiles	m2	103
4	Ridge tiles	No	15
5	Mono Ridge	No	15
6	Side wall and cover flashing	m	22
7	Gutters	m	24
Carried Forward to Sectional Summary: 13			R
Section No. 13 UNIT 31 Bill No. 1 ALTERATIONS PROVISIONAL BILL OF QUANTITIES NHBRC REMEDIAL WORK			

**NHBRC REMEDIAL WORKS
KRONENDAL ESTATE, HOUT BAY, CAPE TOWN
WESTERN CAPE**

Item No		Quantity	Rate	Amount
	<p><u>BILL NO 3</u></p> <p><u>WATERPROOFING</u></p> <p><u>SUPPLEMENTARY PREAMBLES</u></p> <p><u>Waterproofing</u></p> <p>Waterproofing of roofs, basements, etc shall be laid under a ten year guarantee. Waterproofing to roofs shall be laid to even falls to outlets etc with necessary ridges, hips and valleys. Descriptions of sheet or membrane waterproofing shall be deemed to include additional labour to turn-ups and turn-downs</p> <p><u>WATERPROOFING TO ROOFS, BASEMENTS, ETC</u></p> <p><u>Agrement approved flashing (As per Engineer's detail/scope of works)</u></p>			
1	Slide wall flashing	m	22	
2	Head wall flashing (south light windows)	m	6	
	<p style="text-align: right;">Carried Forward to Sectional Summary: 13</p> <p>Section No. 13 UNIT 31 Bill No. 2 WATERPROOFING PROVISIONAL BILL OF QUANTITIES NHBRC REMEDIAL WORK</p>		R	

**NHBRC REMEDIAL WORKS
KRONENDAL ESTATE, HOUT BAY, CAPE TOWN
WESTERN CAPE**

Item No		Quantity	Rate	Amount
<u>BILL NO 4</u>				
<u>ROOF COVERINGS ETC</u>				
Where battens for roof coverings form part of the plate nailed timber not roof truss design it shall be included under the roof construction in the "Carpentry and Joinery" trade and not under this trade				
<u>340x420mm Elite flat concrete slate concrete tiles nailed with non corrosive nails to battens and purlins</u>				
1	Roof covering with a 26 degree pitch (Allow to replace 45% of existing tiles set aside for reuse due to breakage)	m2	60	
2	Ridges of tiles to match roofing tiles, bedded and pointed in 1:3 tinted cement mortar, including 300mm wide strip of 375 micron embossed dampproof course in accordance with SANS 952 Type B underlay	No	8	
3	Mono ridges of tiles to match roofing tiles, bedded and pointed in 1:3 tinted cement mortar, including 300mm wide strip of 375 micron embossed dampproof course in accordance with SANS 952 Type B underlay	No	8	
<u>ROOF WALL INSULATION</u>				
<u>Polyethylene bubblefold aluminium foil faced both sides</u>				
4	Insulation sheeting laid taut over purlins and fixed concurrent with roof covering with minimum 150mm stapled laps including galvanised (PVC coated) steel straining wires at not exceeding 400mm centres and double-sided tape at edges where required	m2	133	
Carried Forward to Sectional Summary: 13			R	
Section No. 13 UNIT 31 Bill No. 3 ROOF COVERING PROVISIONAL BILL OF QUANTITIES NHBRC REMEDIAL WORK				

**NHBRC REMEDIAL WORKS
KRONENDAL ESTATE, HOUT BAY, CAPE TOWN
WESTERN CAPE**

Item No		Quantity	Rate	Amount
	<p><u>BILL NO 5</u></p> <p><u>CARPENTRY AND JOINERY</u></p> <p><u>SUPPLEMENTARY PREAMBLES</u></p> <p><u>Fixing</u></p> <p>Items described as "nailed" shall be deemed to be fixed with hardened steel nails or shot pins to brickwork or concrete</p> <p>Items described as "plugged" shall be deemed to include screwing to fibre, plastic or metal plugs at not exceeding 500mm centres, and where described as "bolted", the bolts have been given elsewhere</p> <p><u>Joinery:</u></p> <p>Descriptions of frames shall be deemed to include frames, transomes, mullions, rails, etc</p> <p>Descriptions of hardwood joinery shall be deemed to include pelleting of bolt holes</p> <p><u>ROOFS ETC</u></p> <p>Note</p> <p>New (grade 5 SA PINE , H2 treated) purlins (50mmx76mm minimum size) on the exposed rafters. The purlins need to be sized on site according to the gap between top of rafter and top batten on truss. This gap varies and must be assessed for each house as the work progress. Due to the isoboard, wedges cannot be used to adjust the levels after the purlin has been fixed down and the purlin size will have to correct</p> <p>Purlins should be fixed to rafters with 200mm long M8 coach screws at each purlin/rafter intersection. Holes through purlins should be pre-drilled and 6mm pilot holes should be drilled for coach screws into rafters. The coach screw head should be countersunk into purlin</p> <p>Battens should be nailed down with 100mmx4mm wired nails at each battten truss intersection</p> <p style="text-align: right;">Carried forward</p> <p>Section No. 13 UNIT 31 Bill No. 4 CARPENTRY AND JOINERY PROVISIONAL BILL OF QUANTITIES NHBRC REMEDIAL WORK</p>		R	

**NHBRC REMEDIAL WORKS
KRONENDAL ESTATE, HOUT BAY, CAPE TOWN
WESTERN CAPE**

Brought forward

R

Sawn softwood grade ?

1	38x38mm Battening at 450mm centres for concrete slate roof tiles covering	m	153
2	50x76 mm Purlins	m	279

Carried Forward to Sectional Summary: 13

R

**Section No. 13
UNIT 31
Bill No. 4
CARPENTRY AND JOINERY
PROVISIONAL BILL OF QUANTITIES
NHBRC REMEDIAL WORK**

**NHBRC REMEDIAL WORKS
KRONENDAL ESTATE, HOUT BAY, CAPE TOWN
WESTERN CAPE**

Bill No	Section No. 13	Page No	Amount
	UNIT 31		
	<u>SECTION SUMMARY - UNIT 31</u>		
1	ALTERATIONS	-98-	
2	WATERPROOFING	-99-	
3	ROOF COVERING	-100-	
4	CARPENTRY AND JOINERY	-102-	
	Carried to Final Summary		R
	Section No. 13		
	UNIT 31		
	PROVISIONAL BILL OF QUANTITIES		
	NHBRC REMEDIAL WORK		

**NHBRC REMEDIAL WORKS
KRONENDAL ESTATE, HOUT BAY, CAPE TOWN
WESTERN CAPE**

Item No		Quantity	Rate	Amount
	<p><u>BILL NO 2</u></p> <p><u>ALTERATIONS</u></p> <p><u>SUPPLEMENTARY PREAMBLES</u></p> <p><u>View site</u></p> <p>Before submitting the tender the contractor shall visit the site and satisfy himself as to the nature and extent of the work to be done and the value of the materials contained in the buildings or portions of the buildings to be demolished. No claim for any variations of the contract sum in respect of the nature and extent of the work or of inferior or damaged materials will be entertained.</p> <p><u>Explosives</u></p> <p>No explosives whatsoever may be used for demolition purposes unless otherwise stated</p> <p><u>General</u></p> <p>The contractor shall carry out the whole of the works with as little mess and noise as possible and with minimum of disturbance to adjoining premises and their tenants. He/she shall provide proper protection and provide, erect and remove when directed, any temporary tarpaulins that may be necessary during the progress of the works, all to the satisfaction of the engineer.</p> <p>Water supply pipes and other piping that may be encountered and found necessary to disconnect or cut, shall be effectually stopped off or grubbed up and removed, and any new connections that may be necessary shall be made with proper fittings, to the satisfaction of the engineer.</p> <p style="text-align: right;">Carried forward</p> <p>Section No. 14 UNIT 33 Bill No. 1 ALTERATIONS PROVISIONAL BILL OF QUANTITIES NHBRC REMEDIAL WORK</p>		R	

**NHBRC REMEDIAL WORKS
KRONENDAL ESTATE, HOUT BAY, CAPE TOWN
WESTERN CAPE**

<p style="text-align: right;">Brought forward</p> <p>Doors, fanlights, fittings, frames, linings, etc which are to be re-used shall be thoroughly overhauled before refixing including taking off. easing and rehangng, cramping up, re-wedging as required and making good cramps, dowels, etc, and easing, oiling, adjusting and repairing ironmongery as necessary, replacing any glass damaged in removal or subsequently and stopping up all ail and screw holes with tinted plastic wood to match timber, unless otherwise described. Re-painting or re-varnishing is given separately</p> <p>Prices for taking out doors, windows, etc shall including for removal of all beads, architraves, ironmongery, etc</p> <p>Prices for taking out and removing doors and frames shall include for removing door stop, cabin hook, etc and making good floor and wall finishes to match existing</p> <p>With regard to building up of openings in existing walls, cement screeds and pavings, granolithis, tops of walls, etc, shall be levelled and prepared for raising of brickwork</p> <p>Making good of finishes shall include making good of the brick and concrete surfaces onto which the new finishes are applied, where necessary</p> <p>The contractor will be required to take all dimensions affecting the existing buildings on the site and he will be held solely responsible for the accuracy of all such dimensions where used in the manufacture of new items (doors, windows, fittings, etc)</p> <p><u>REMOVAL OF EXISTING WORK</u></p> <p><u>Taking down and removing roofs, floors, panelling, ceilings, partitions, etc</u></p>		R	
<p>1 Timber purlins and battens</p> <p style="text-align: right;">Carried forward</p> <p>Section No. 14 UNIT 33 Bill No. 1 ALTERATIONS PROVISIONAL BILL OF QUANTITIES NHBRC REMEDIAL WORK</p>	m	432	R

**NHBRC REMEDIAL WORKS
KRONENDAL ESTATE, HOUT BAY, CAPE TOWN
WESTERN CAPE**

Brought forward			R
<u>Taking down and removing roofs, floors, panelling, ceilings, partitions, etc setting aside for re-use and later re fixing (as per Engineer's detail) in similar new position</u>			
2	Fibre cement Barge and Fascia Boards	m	59
3	Coverland "Elite" flat concrete slate tiles	m2	103
4	Ridge tiles	No	15
5	Mono Ridge	No	15
6	Side wall and cover flashing	m	22
7	Gutters	m	24
Carried Forward to Sectional Summary: 14			R
Section No. 14 UNIT 33 Bill No. 1 ALTERATIONS PROVISIONAL BILL OF QUANTITIES NHBRC REMEDIAL WORK			

**NHBRC REMEDIAL WORKS
KRONENDAL ESTATE, HOUT BAY, CAPE TOWN
WESTERN CAPE**

Item No		Quantity	Rate	Amount
	<p><u>BILL NO 3</u></p> <p><u>WATERPROOFING</u></p> <p><u>SUPPLEMENTARY PREAMBLES</u></p> <p><u>Waterproofing</u></p> <p>Waterproofing of roofs, basements, etc shall be laid under a ten year guarantee. Waterproofing to roofs shall be laid to even falls to outlets etc with necessary ridges, hips and valleys. Descriptions of sheet or membrane waterproofing shall be deemed to include additional labour to turn-ups and turn-downs</p> <p><u>WATERPROOFING TO ROOFS, BASEMENTS, ETC</u></p> <p><u>Agrement approved flashing (As per Engineer's detail/scope of works)</u></p>			
1	Slide wall flashing	m	22	
2	Head wall flashing (south light windows)	m	6	
	<p style="text-align: right;">Carried Forward to Sectional Summary: 14</p> <p>Section No. 14 UNIT 33 Bill No. 2 WATERPROOFING PROVISIONAL BILL OF QUANTITIES NHBRC REMEDIAL WORK</p>		R	

**NHBRC REMEDIAL WORKS
KRONENDAL ESTATE, HOUT BAY, CAPE TOWN
WESTERN CAPE**

Item No		Quantity	Rate	Amount
<u>BILL NO 4</u>				
<u>ROOF COVERINGS ETC</u>				
Where battens for roof coverings form part of the plate nailed timber not roof truss design it shall be included under the roof construction in the "Carpentry and Joinery" trade and not under this trade				
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2	Ridges of tiles to match roofing tiles, bedded and pointed in 1:3 tinted cement mortar, including 300mm wide strip of 375 micron embossed dampproof course in accordance with SANS 952 Type B underlay	No	8	
3	Mono ridges of tiles to match roofing tiles, bedded and pointed in 1:3 tinted cement mortar, including 300mm wide strip of 375 micron embossed dampproof course in accordance with SANS 952 Type B underlay	No	8	
<u>ROOF WALL INSULATION</u>				
<u>Polyethylene bubblefold aluminium foil faced both sides</u>				
4	Insulation sheeting laid taut over purlins and fixed concurrent with roof covering with minimum 150mm stapled laps including galvanised (PVC coated) steel straining wires at not exceeding 400mm centres and double-sided tape at edges where required	m2	133	
Carried Forward to Sectional Summary: 14			R	
Section No. 14 UNIT 33 Bill No. 3 ROOF COVERING PROVISIONAL BILL OF QUANTITIES NHBRC REMEDIAL WORK				

**NHBRC REMEDIAL WORKS
KRONENDAL ESTATE, HOUT BAY, CAPE TOWN
WESTERN CAPE**

Item No		Quantity	Rate	Amount
	<p><u>BILL NO 5</u></p> <p><u>CARPENTRY AND JOINERY</u></p> <p><u>SUPPLEMENTARY PREAMBLES</u></p> <p><u>Fixing</u></p> <p>Items described as "nailed" shall be deemed to be fixed with hardened steel nails or shot pins to brickwork or concrete</p> <p>Items described as "plugged" shall be deemed to include screwing to fibre, plastic or metal plugs at not exceeding 500mm centres, and where described as "bolted", the bolts have been given elsewhere</p> <p><u>Joinery:</u></p> <p>Descriptions of frames shall be deemed to include frames, transomes, mullions, rails, etc</p> <p>Descriptions of hardwood joinery shall be deemed to include pelleting of bolt holes</p> <p><u>ROOFS ETC</u></p> <p>Note</p> <p>New (grade 5 SA PINE , H2 treated) purlins (50mmx76mm minimum size) on the exposed rafters. The purlins need to be sized on site according to the gap between top of rafter and top batten on truss. This gap varies and must be assessed for each house as the work progress. Due to the isoboard, wedges cannot be used to adjust the levels after the purlin has been fixed down and the purlin size will have to correct</p> <p>Purlins should be fixed to rafters with 200mm long M8 coach screws at each purlin/rafter intersection. Holes through purlins should be pre-drilled and 6mm pilot holes should be drilled for coach screws into rafters. The coach screw head should be countersunk into purlin</p> <p>Battens should be nailed down with 100mmx4mm wired nails at each battten truss intersection</p> <p style="text-align: right;">Carried forward</p> <p>Section No. 14 UNIT 33 Bill No. 4 CARPENTRY AND JOINERY PROVISIONAL BILL OF QUANTITIES NHBRC REMEDIAL WORK</p>		R	

**NHBRC REMEDIAL WORKS
KRONENDAL ESTATE, HOUT BAY, CAPE TOWN
WESTERN CAPE**

	Brought forward			R
	<u>Sawn softwood grade ?</u>			
1	38x38mm Battening at 450mm centres for concrete slate roof tiles covering	m	153	
2	50x76 mm Purlins	m	279	
Carried Forward to Sectional Summary: 14				R
Section No. 14 UNIT 33 Bill No. 4 CARPENTRY AND JOINERY PROVISIONAL BILL OF QUANTITIES NHBRC REMEDIAL WORK				

**NHBRC REMEDIAL WORKS
KRONENDAL ESTATE, HOUT BAY, CAPE TOWN
WESTERN CAPE**

Bill No	Section No. 14	Page No	Amount
	UNIT 33		
	<u>SECTION SUMMARY - UNIT 33</u>		
1	ALTERATIONS	-106-	
2	WATERPROOFING	-107-	
3	ROOF COVERING	-108-	
4	CARPENTRY AND JOINERY	-110-	
	Carried to Final Summary		R
	Section No. 14		
	UNIT 33		
	PROVISIONAL BILL OF QUANTITIES		
	NHBRC REMEDIAL WORK		

**NHBRC REMEDIAL WORKS
KRONENDAL ESTATE, HOUT BAY, CAPE TOWN
WESTERN CAPE**

Item No		Quantity	Rate	Amount
	<p><u>BILL NO 2</u></p> <p><u>ALTERATIONS</u></p> <p><u>SUPPLEMENTARY PREAMBLES</u></p> <p><u>View site</u></p> <p>Before submitting the tender the contractor shall visit the site and satisfy himself as to the nature and extent of the work to be done and the value of the materials contained in the buildings or portions of the buildings to be demolished. No claim for any variations of the contract sum in respect of the nature and extent of the work or of inferior or damaged materials will be entertained.</p> <p><u>Explosives</u></p> <p>No explosives whatsoever may be used for demolition purposes unless otherwise stated</p> <p><u>General</u></p> <p>The contractor shall carry out the whole of the works with as little mess and noise as possible and with minimum of disturbance to adjoining premises and their tenants. He/she shall provide proper protection and provide, erect and remove when directed, any temporary tarpaulins that may be necessary during the progress of the works, all to the satisfaction of the engineer.</p> <p>Water supply pipes and other piping that may be encountered and found necessary to disconnect or cut, shall be effectually stopped off or grubbed up and removed, and any new connections that may be necessary shall be made with proper fittings, to the satisfaction of the engineer.</p> <p style="text-align: right;">Carried forward</p> <p>Section No. 15 UNIT 36 Bill No. 1 ALTERATIONS PROVISIONAL BILL OF QUANTITIES NHBRC REMEDIAL WORK</p>		R	

**NHBRC REMEDIAL WORKS
KRONENDAL ESTATE, HOUT BAY, CAPE TOWN
WESTERN CAPE**

Brought forward			R
<u>Taking down and removing roofs, floors, panelling, ceilings, partitions, etc setting aside for re-use and later re fixing (as per Engineer's detail) in similar new position</u>			
2	Fibre cement Barge and Fascia Boards	m	59
3	Coverland "Elite" flat concrete slate tiles	m2	103
4	Ridge tiles	No	15
5	Mono Ridge	No	15
6	Side wall and cover flashing	m	22
7	Gutters	m	24
Carried Forward to Sectional Summary: 15			R
Section No. 15 UNIT 36 Bill No. 1 ALTERATIONS PROVISIONAL BILL OF QUANTITIES NHBRC REMEDIAL WORK			

**NHBRC REMEDIAL WORKS
KRONENDAL ESTATE, HOUT BAY, CAPE TOWN
WESTERN CAPE**

Item No		Quantity	Rate	Amount
	<p><u>BILL NO 3</u></p> <p><u>WATERPROOFING</u></p> <p><u>SUPPLEMENTARY PREAMBLES</u></p> <p><u>Waterproofing</u></p> <p>Waterproofing of roofs, basements, etc shall be laid under a ten year guarantee. Waterproofing to roofs shall be laid to even falls to outlets etc with necessary ridges, hips and valleys. Descriptions of sheet or membrane waterproofing shall be deemed to include additional labour to turn-ups and turn-downs</p> <p><u>WATERPROOFING TO ROOFS, BASEMENTS, ETC</u></p> <p><u>Agrement approved flashing (As per Engineer's detail/scope of works)</u></p>			
1	Slide wall flashing	m	22	
2	Head wall flashing (south light windows)	m	6	
	<p style="text-align: right;">Carried Forward to Sectional Summary: 15</p> <p>Section No. 15 UNIT 36 Bill No. 2 WATERPROOFING PROVISIONAL BILL OF QUANTITIES NHBRC REMEDIAL WORK</p>		R	

**NHBRC REMEDIAL WORKS
KRONENDAL ESTATE, HOUT BAY, CAPE TOWN
WESTERN CAPE**

Item No		Quantity	Rate	Amount
<u>BILL NO 4</u>				
<u>ROOF COVERINGS ETC</u>				
Where battens for roof coverings form part of the plate nailed timber not roof truss design it shall be included under the roof construction in the "Carpentry and Joinery" trade and not under this trade				
<u>340x420mm Elite flat concrete slate concrete tiles nailed with non corrosive nails to battens and purlins</u>				
1	Roof covering with a 26 degree pitch (Allow to replace 45% of existing tiles set aside for reuse due to breakage)	m2	60	
2	Ridges of tiles to match roofing tiles, bedded and pointed in 1:3 tinted cement mortar, including 300mm wide strip of 375 micron embossed dampproof course in accordance with SANS 952 Type B underlay	No	8	
3	Mono ridges of tiles to match roofing tiles, bedded and pointed in 1:3 tinted cement mortar, including 300mm wide strip of 375 micron embossed dampproof course in accordance with SANS 952 Type B underlay	No	8	
<u>ROOF WALL INSULATION</u>				
<u>Polyethylene bubblefold aluminium foil faced both sides</u>				
4	Insulation sheeting laid taut over purlins and fixed concurrent with roof covering with minimum 150mm stapled laps including galvanised (PVC coated) steel straining wires at not exceeding 400mm centres and double-sided tape at edges where required	m2	133	
Carried Forward to Sectional Summary: 15			R	
Section No. 15 UNIT 36 Bill No. 3 ROOF COVERING PROVISIONAL BILL OF QUANTITIES NHBRC REMEDIAL WORK				

**NHBRC REMEDIAL WORKS
KRONENDAL ESTATE, HOUT BAY, CAPE TOWN
WESTERN CAPE**

Item No		Quantity	Rate	Amount
	<p><u>BILL NO 5</u></p> <p><u>CARPENTRY AND JOINERY</u></p> <p><u>SUPPLEMENTARY PREAMBLES</u></p> <p><u>Fixing</u></p> <p>Items described as "nailed" shall be deemed to be fixed with hardened steel nails or shot pins to brickwork or concrete</p> <p>Items described as "plugged" shall be deemed to include screwing to fibre, plastic or metal plugs at not exceeding 500mm centres, and where described as "bolted", the bolts have been given elsewhere</p> <p><u>Joinery:</u></p> <p>Descriptions of frames shall be deemed to include frames, transomes, mullions, rails, etc</p> <p>Descriptions of hardwood joinery shall be deemed to include pelleting of bolt holes</p> <p><u>ROOFS ETC</u></p> <p>Note</p> <p>New (grade 5 SA PINE , H2 treated) purlins (50mmx76mm minimum size) on the exposed rafters. The purlins need to be sized on site according to the gap between top of rafter and top batten on truss. This gap varies and must be assessed for each house as the work progress. Due to the isoboard, wedges cannot be used to adjust the levels after the purlin has been fixed down and the purlin size will have to correct</p> <p>Purlins should be fixed to rafters with 200mm long M8 coach screws at each purlin/rafter intersection. Holes through purlins should be pre-drilled and 6mm pilot holes should be drilled for coach screws into rafters. The coach screw head should be countersunk into purlin</p> <p>Battens should be nailed down with 100mmx4mm wired nails at each battten truss intersection</p> <p style="text-align: right;">Carried forward</p> <p>Section No. 15 UNIT 36 Bill No. 4 CARPENTRY AND JOINERY PROVISIONAL BILL OF QUANTITIES NHBRC REMEDIAL WORK</p>		R	

**NHBRC REMEDIAL WORKS
KRONENDAL ESTATE, HOUT BAY, CAPE TOWN
WESTERN CAPE**

Bill No	Section No. 15	Page No	Amount
	UNIT 36		
	<u>SECTION SUMMARY - UNIT 36</u>		
1	ALTERATIONS	-114-	
2	WATERPROOFING	-115-	
3	ROOF COVERING	-116-	
4	CARPENTRY AND JOINERY	-118-	
	Carried to Final Summary		R
	Section No. 15 UNIT 36 <i>PROVISIONAL BILL OF QUANTITIES</i> <i>NHBRC REMEDIAL WORK</i>		

**NHBRC REMEDIAL WORKS
KRONENDAL ESTATE, HOUT BAY, CAPE TOWN
WESTERN CAPE**

Item No		Quantity	Rate	Amount
	<p><u>BILL NO 2</u></p> <p><u>ALTERATIONS</u></p> <p><u>SUPPLEMENTARY PREAMBLES</u></p> <p><u>View site</u></p> <p>Before submitting the tender the contractor shall visit the site and satisfy himself as to the nature and extent of the work to be done and the value of the materials contained in the buildings or portions of the buildings to be demolished. No claim for any variations of the contract sum in respect of the nature and extent of the work or of inferior or damaged materials will be entertained.</p> <p><u>Explosives</u></p> <p>No explosives whatsoever may be used for demolition purposes unless otherwise stated</p> <p><u>General</u></p> <p>The contractor shall carry out the whole of the works with as little mess and noise as possible and with minimum of disturbance to adjoining premises and their tenants. He/she shall provide proper protection and provide, erect and remove when directed, any temporary tarpaulins that may be necessary during the progress of the works, all to the satisfaction of the engineer.</p> <p>Water supply pipes and other piping that may be encountered and found necessary to disconnect or cut, shall be effectually stopped off or grubbed up and removed, and any new connections that may be necessary shall be made with proper fittings, to the satisfaction of the engineer.</p> <p style="text-align: right;">Carried forward</p> <p>Section No. 16 UNIT 39 Bill No. 1 ALTERATIONS PROVISIONAL BILL OF QUANTITIES NHBRC REMEDIAL WORK</p>		R	

**NHBRC REMEDIAL WORKS
KRONENDAL ESTATE, HOUT BAY, CAPE TOWN
WESTERN CAPE**

<p style="text-align: right;">Brought forward</p> <p>Doors, fanlights, fittings, frames, linings, etc which are to be re-used shall be thoroughly overhauled before refixing including taking off. easing and rehangng, cramping up, re-wedging as required and making good cramps, dowels, etc, and easing, oiling, adjusting and repairing ironmongery as necessary, replacing any glass damaged in removal or subsequently and stopping up all ail and screw holes with tinted plastic wood to match timber, unless otherwise described. Re-painting or re-varnishing is given separately</p> <p>Prices for taking out doors, windows, etc shall including for removal of all beads, architraves, ironmongery, etc</p> <p>Prices for taking out and removing doors and frames shall include for removing door stop, cabin hook, etc and making good floor and wall finishes to match existing</p> <p>With regard to building up of openings in existing walls, cement screeds and pavings, granolithis, tops of walls, etc, shall be levelled and prepared for raising of brickwork</p> <p>Making good of finishes shall include making good of the brick and concrete surfaces onto which the new finishes are applied, where necessary</p> <p>The contractor will be required to take all dimensions affecting the existing buildings on the site and he will be held solely responsible for the accuracy of all such dimensions where used in the manufacture of new items (doors, windows, fittings, etc)</p> <p><u>REMOVAL OF EXISTING WORK</u></p> <p><u>Taking down and removing roofs, floors, panelling, ceilings, partitions, etc</u></p>		R	
<p>1 Timber purlins and battens</p> <p style="text-align: right;">Carried forward</p> <p>Section No. 16 UNIT 39 Bill No. 1 ALTERATIONS PROVISIONAL BILL OF QUANTITIES NHBRC REMEDIAL WORK</p>	m	432	R

**NHBRC REMEDIAL WORKS
KRONENDAL ESTATE, HOUT BAY, CAPE TOWN
WESTERN CAPE**

	Brought forward			R
	<u>Taking down and removing roofs, floors, panelling, ceilings, partitions, etc setting aside for re-use and later re fixing (as per Engineer's detail) in similar new position</u>			
2	Fibre cement Barge and Fascia Boards	m	59	
3	Coverland "Elite" flat concrete slate tiles	m2	103	
4	Ridge tiles	No	15	
5	Mono Ridge	No	15	
6	Side wall and cover flashing	m	22	
7	Gutters	m	24	
	Carried Forward to Sectional Summary: 16			R
	Section No. 16 UNIT 39 Bill No. 1 ALTERATIONS PROVISIONAL BILL OF QUANTITIES NHBRC REMEDIAL WORK			

**NHBRC REMEDIAL WORKS
KRONENDAL ESTATE, HOUT BAY, CAPE TOWN
WESTERN CAPE**

Item No		Quantity	Rate	Amount
	<p><u>BILL NO 3</u></p> <p><u>WATERPROOFING</u></p> <p><u>SUPPLEMENTARY PREAMBLES</u></p> <p><u>Waterproofing</u></p> <p>Waterproofing of roofs, basements, etc shall be laid under a ten year guarantee. Waterproofing to roofs shall be laid to even falls to outlets etc with necessary ridges, hips and valleys. Descriptions of sheet or membrane waterproofing shall be deemed to include additional labour to turn-ups and turn-downs</p> <p><u>WATERPROOFING TO ROOFS, BASEMENTS, ETC</u></p> <p><u>Agrement approved flashing (As per Engineer's detail/scope of works)</u></p>			
1	Slide wall flashing	m	22	
2	Head wall flashing (south light windows)	m	6	
	<p style="text-align: right;">Carried Forward to Sectional Summary: 16</p> <p>Section No. 16 UNIT 39 Bill No. 2 WATERPROOFING PROVISIONAL BILL OF QUANTITIES NHBRC REMEDIAL WORK</p>		R	

**NHBRC REMEDIAL WORKS
KRONENDAL ESTATE, HOUT BAY, CAPE TOWN
WESTERN CAPE**

Item No		Quantity	Rate	Amount
<u>BILL NO 4</u>				
<u>ROOF COVERINGS ETC</u>				
Where battens for roof coverings form part of the plate nailed timber not roof truss design it shall be included under the roof construction in the "Carpentry and Joinery" trade and not under this trade				
<u>340x420mm Elite flat concrete slate concrete tiles nailed with non corrosive nails to battens and purlins</u>				
1	Roof covering with a 26 degree pitch (Allow to replace 45% of existing tiles set aside for reuse due to breakage)	m2	60	
2	Ridges of tiles to match roofing tiles, bedded and pointed in 1:3 tinted cement mortar, including 300mm wide strip of 375 micron embossed dampproof course in accordance with SANS 952 Type B underlay	No	8	
3	Mono ridges of tiles to match roofing tiles, bedded and pointed in 1:3 tinted cement mortar, including 300mm wide strip of 375 micron embossed dampproof course in accordance with SANS 952 Type B underlay	No	8	
<u>ROOF WALL INSULATION</u>				
<u>Polyethylene bubblefold aluminium foil faced both sides</u>				
4	Insulation sheeting laid taut over purlins and fixed concurrent with roof covering with minimum 150mm stapled laps including galvanised (PVC coated) steel straining wires at not exceeding 400mm centres and double-sided tape at edges where required	m2	133	
Carried Forward to Sectional Summary: 16			R	
Section No. 16 UNIT 39 Bill No. 3 ROOF COVERING PROVISIONAL BILL OF QUANTITIES NHBRC REMEDIAL WORK				

**NHBRC REMEDIAL WORKS
KRONENDAL ESTATE, HOUT BAY, CAPE TOWN
WESTERN CAPE**

Item No		Quantity	Rate	Amount
	<p><u>BILL NO 5</u></p> <p><u>CARPENTRY AND JOINERY</u></p> <p><u>SUPPLEMENTARY PREAMBLES</u></p> <p><u>Fixing</u></p> <p>Items described as "nailed" shall be deemed to be fixed with hardened steel nails or shot pins to brickwork or concrete</p> <p>Items described as "plugged" shall be deemed to include screwing to fibre, plastic or metal plugs at not exceeding 500mm centres, and where described as "bolted", the bolts have been given elsewhere</p> <p><u>Joinery:</u></p> <p>Descriptions of frames shall be deemed to include frames, transomes, mullions, rails, etc</p> <p>Descriptions of hardwood joinery shall be deemed to include pelleting of bolt holes</p> <p><u>ROOFS ETC</u></p> <p>Note</p> <p>New (grade 5 SA PINE , H2 treated) purlins (50mmx76mm minimum size) on the exposed rafters. The purlins need to be sized on site according to the gap between top of rafter and top batten on truss. This gap varies and must be assessed for each house as the work progress. Due to the isoboard, wedges cannot be used to adjust the levels after the purlin has been fixed down and the purlin size will have to correct</p> <p>Purlins should be fixed to rafters with 200mm long M8 coach screws at each purlin/rafter intersection. Holes through purlins should be pre-drilled and 6mm pilot holes should be drilled for coach screws into rafters. The coach screw head should be countersunk into purlin</p> <p>Battens should be nailed down with 100mmx4mm wired nails at each battten truss intersection</p> <p style="text-align: right;">Carried forward</p> <p>Section No. 16 UNIT 39 Bill No. 4 CARPENTRY AND JOINERY PROVISIONAL BILL OF QUANTITIES NHBRC REMEDIAL WORK</p>		R	

**NHBRC REMEDIAL WORKS
KRONENDAL ESTATE, HOUT BAY, CAPE TOWN
WESTERN CAPE**

Brought forward

R

Sawn softwood grade ?

1	38x38mm Battening at 450mm centres for concrete slate roof tiles covering	m	153
2	50x76 mm Purlins	m	279

Carried Forward to Sectional Summary: 16

R

**Section No. 16
UNIT 39
Bill No. 4
CARPENTRY AND JOINERY
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**NHBRC REMEDIAL WORKS
KRONENDAL ESTATE, HOUT BAY, CAPE TOWN
WESTERN CAPE**

Bill No	Section No. 16	Page No	Amount
	UNIT 39		
	<u>SECTION SUMMARY - UNIT 39</u>		
1	ALTERATIONS	-122-	
2	WATERPROOFING	-123-	
3	ROOF COVERING	-124-	
4	CARPENTRY AND JOINERY	-126-	
	Carried to Final Summary		R
	Section No. 16 UNIT 39 <i>PROVISIONAL BILL OF QUANTITIES</i> <i>NHBRC REMEDIAL WORK</i>		

**NHBRC REMEDIAL WORKS
KRONENDAL ESTATE, HOUT BAY, CAPE TOWN
WESTERN CAPE**

Item No		Quantity	Rate	Amount
	<p><u>BILL NO 2</u></p> <p><u>ALTERATIONS</u></p> <p><u>SUPPLEMENTARY PREAMBLES</u></p> <p><u>View site</u></p> <p>Before submitting the tender the contractor shall visit the site and satisfy himself as to the nature and extent of the work to be done and the value of the materials contained in the buildings or portions of the buildings to be demolished. No claim for any variations of the contract sum in respect of the nature and extent of the work or of inferior or damaged materials will be entertained.</p> <p><u>Explosives</u></p> <p>No explosives whatsoever may be used for demolition purposes unless otherwise stated</p> <p><u>General</u></p> <p>The contractor shall carry out the whole of the works with as little mess and noise as possible and with minimum of disturbance to adjoining premises and their tenants. He/she shall provide proper protection and provide, erect and remove when directed, any temporary tarpaulins that may be necessary during the progress of the works, all to the satisfaction of the engineer.</p> <p>Water supply pipes and other piping that may be encountered and found necessary to disconnect or cut, shall be effectually stopped off or grubbed up and removed, and any new connections that may be necessary shall be made with proper fittings, to the satisfaction of the engineer.</p> <p style="text-align: right;">Carried forward</p> <p>Section No. 17 UNIT 42 Bill No. 1 ALTERATIONS PROVISIONAL BILL OF QUANTITIES NHBRC REMEDIAL WORK</p>		R	

**NHBRC REMEDIAL WORKS
KRONENDAL ESTATE, HOUT BAY, CAPE TOWN
WESTERN CAPE**

Brought forward			R
<u>Taking down and removing roofs, floors, panelling, ceilings, partitions, etc setting aside for re-use and later re fixing (as per Engineer's detail) in similar new position</u>			
2	Fibre cement Barge and Fascia Boards	m	59
3	Coverland "Elite" flat concrete slate tiles	m2	103
4	Ridge tiles	No	15
5	Mono Ridge	No	15
6	Side wall and cover flashing	m	22
7	Gutters	m	24
Carried Forward to Sectional Summary: 17			R
Section No. 17 UNIT 42 Bill No. 1 ALTERATIONS PROVISIONAL BILL OF QUANTITIES NHBRC REMEDIAL WORK			

**NHBRC REMEDIAL WORKS
KRONENDAL ESTATE, HOUT BAY, CAPE TOWN
WESTERN CAPE**

Item No		Quantity	Rate	Amount
	<p><u>BILL NO 3</u></p> <p><u>WATERPROOFING</u></p> <p><u>SUPPLEMENTARY PREAMBLES</u></p> <p><u>Waterproofing</u></p> <p>Waterproofing of roofs, basements, etc shall be laid under a ten year guarantee. Waterproofing to roofs shall be laid to even falls to outlets etc with necessary ridges, hips and valleys. Descriptions of sheet or membrane waterproofing shall be deemed to include additional labour to turn-ups and turn-downs</p> <p><u>WATERPROOFING TO ROOFS, BASEMENTS, ETC</u></p> <p><u>Agrement approved flashing (As per Engineer's detail/scope of works)</u></p>			
1	Slide wall flashing	m	22	
2	Head wall flashing (south light windows)	m	6	
	<p style="text-align: right;">Carried Forward to Sectional Summary: 17</p> <p>Section No. 17 UNIT 42 Bill No. 2 WATERPROOFING PROVISIONAL BILL OF QUANTITIES NHBRC REMEDIAL WORK</p>		R	

**NHBRC REMEDIAL WORKS
KRONENDAL ESTATE, HOUT BAY, CAPE TOWN
WESTERN CAPE**

Item No		Quantity	Rate	Amount
<u>BILL NO 4</u>				
<u>ROOF COVERINGS ETC</u>				
Where battens for roof coverings form part of the plate nailed timber not roof truss design it shall be included under the roof construction in the "Carpentry and Joinery" trade and not under this trade				
<u>340x420mm Elite flat concrete slate concrete tiles nailed with non corrosive nails to battens and purlins</u>				
1	Roof covering with a 26 degree pitch (Allow to replace 45% of existing tiles set aside for reuse due to breakage)	m2	60	
2	Ridges of tiles to match roofing tiles, bedded and pointed in 1:3 tinted cement mortar, including 300mm wide strip of 375 micron embossed dampproof course in accordance with SANS 952 Type B underlay	No	8	
3	Mono ridges of tiles to match roofing tiles, bedded and pointed in 1:3 tinted cement mortar, including 300mm wide strip of 375 micron embossed dampproof course in accordance with SANS 952 Type B underlay	No	8	
<u>ROOF WALL INSULATION</u>				
<u>Polyethylene bubblefold aluminium foil faced both sides</u>				
4	Insulation sheeting laid taut over purlins and fixed concurrent with roof covering with minimum 150mm stapled laps including galvanised (PVC coated) steel straining wires at not exceeding 400mm centres and double-sided tape at edges where required	m2	133	
Carried Forward to Sectional Summary: 17			R	
Section No. 17 UNIT 42 Bill No. 3 ROOF COVERING PROVISIONAL BILL OF QUANTITIES NHBRC REMEDIAL WORK				

**NHBRC REMEDIAL WORKS
KRONENDAL ESTATE, HOUT BAY, CAPE TOWN
WESTERN CAPE**

Item No		Quantity	Rate	Amount
	<p><u>BILL NO 5</u></p> <p><u>CARPENTRY AND JOINERY</u></p> <p><u>SUPPLEMENTARY PREAMBLES</u></p> <p><u>Fixing</u></p> <p>Items described as "nailed" shall be deemed to be fixed with hardened steel nails or shot pins to brickwork or concrete</p> <p>Items described as "plugged" shall be deemed to include screwing to fibre, plastic or metal plugs at not exceeding 500mm centres, and where described as "bolted", the bolts have been given elsewhere</p> <p><u>Joinery:</u></p> <p>Descriptions of frames shall be deemed to include frames, transomes, mullions, rails, etc</p> <p>Descriptions of hardwood joinery shall be deemed to include pelleting of bolt holes</p> <p><u>ROOFS ETC</u></p> <p>Note</p> <p>New (grade 5 SA PINE , H2 treated) purlins (50mmx76mm minimum size) on the exposed rafters. The purlins need to be sized on site according to the gap between top of rafter and top batten on truss. This gap varies and must be assessed for each house as the work progress. Due to the isoboard, wedges cannot be used to adjust the levels after the purlin has been fixed down and the purlin size will have to correct</p> <p>Purlins should be fixed to rafters with 200mm long M8 coach screws at each purlin/rafter intersection. Holes through purlins should be pre-drilled and 6mm pilot holes should be drilled for coach screws into rafters. The coach screw head should be countersunk into purlin</p> <p>Battens should be nailed down with 100mmx4mm wired nails at each battten truss intersection</p> <p style="text-align: right;">Carried forward</p> <p>Section No. 17 UNIT 42 Bill No. 4 CARPENTRY AND JOINERY PROVISIONAL BILL OF QUANTITIES NHBRC REMEDIAL WORK</p>		R	

**NHBRC REMEDIAL WORKS
KRONENDAL ESTATE, HOUT BAY, CAPE TOWN
WESTERN CAPE**

Brought forward

R

Sawn softwood grade ?

1	38x38mm Battening at 450mm centres for concrete slate roof tiles covering	m	153
2	50x76 mm Purlins	m	279

Carried Forward to Sectional Summary: 17

R

**Section No. 17
UNIT 42
Bill No. 4
CARPENTRY AND JOINERY
PROVISIONAL BILL OF QUANTITIES
NHBRC REMEDIAL WORK**

**NHBRC REMEDIAL WORKS
KRONENDAL ESTATE, HOUT BAY, CAPE TOWN
WESTERN CAPE**

Bill No	Section No. 17	Page No	Amount
	UNIT 42		
	<u>SECTION SUMMARY - UNIT 42</u>		
1	ALTERATIONS	-130-	
2	WATERPROOFING	-131-	
3	ROOF COVERING	-132-	
4	CARPENTRY AND JOINERY	-134-	
	Carried to Final Summary		R
	Section No. 17 UNIT 42 <i>PROVISIONAL BILL OF QUANTITIES</i> <i>NHBRC REMEDIAL WORK</i>		

**NHBRC REMEDIAL WORKS
KRONENDAL ESTATE, HOUT BAY, CAPE TOWN
WESTERN CAPE**

Item No		Quantity	Rate	Amount
	<p><u>BILL NO 2</u></p> <p><u>ALTERATIONS</u></p> <p><u>SUPPLEMENTARY PREAMBLES</u></p> <p><u>View site</u></p> <p>Before submitting the tender the contractor shall visit the site and satisfy himself as to the nature and extent of the work to be done and the value of the materials contained in the buildings or portions of the buildings to be demolished. No claim for any variations of the contract sum in respect of the nature and extent of the work or of inferior or damaged materials will be entertained.</p> <p><u>Explosives</u></p> <p>No explosives whatsoever may be used for demolition purposes unless otherwise stated</p> <p><u>General</u></p> <p>The contractor shall carry out the whole of the works with as little mess and noise as possible and with minimum of disturbance to adjoining premises and their tenants. He/she shall provide proper protection and provide, erect and remove when directed, any temporary tarpaulins that may be necessary during the progress of the works, all to the satisfaction of the engineer.</p> <p>Water supply pipes and other piping that may be encountered and found necessary to disconnect or cut, shall be effectually stopped off or grubbed up and removed, and any new connections that may be necessary shall be made with proper fittings, to the satisfaction of the engineer.</p> <p style="text-align: right;">Carried forward</p> <p>Section No. 18 UNIT 43 Bill No. 1 ALTERATIONS PROVISIONAL BILL OF QUANTITIES NHBRC REMEDIAL WORK</p>		R	

**NHBRC REMEDIAL WORKS
KRONENDAL ESTATE, HOUT BAY, CAPE TOWN
WESTERN CAPE**

Brought forward			R
<u>Taking down and removing roofs, floors, panelling, ceilings, partitions, etc setting aside for re-use and later re fixing (as per Engineer's detail) in similar new position</u>			
2	Fibre cement Barge and Fascia Boards	m	59
3	Coverland "Elite" flat concrete slate tiles	m2	103
4	Ridge tiles	No	15
5	Mono Ridge	No	15
6	Side wall and cover flashing	m	22
7	Gutters	m	24
Carried Forward to Sectional Summary: 18			R
Section No. 18 UNIT 43 Bill No. 1 ALTERATIONS PROVISIONAL BILL OF QUANTITIES NHBRC REMEDIAL WORK			

**NHBRC REMEDIAL WORKS
KRONENDAL ESTATE, HOUT BAY, CAPE TOWN
WESTERN CAPE**

Item No		Quantity	Rate	Amount
	<p><u>BILL NO 3</u></p> <p><u>WATERPROOFING</u></p> <p><u>SUPPLEMENTARY PREAMBLES</u></p> <p><u>Waterproofing</u></p> <p>Waterproofing of roofs, basements, etc shall be laid under a ten year guarantee. Waterproofing to roofs shall be laid to even falls to outlets etc with necessary ridges, hips and valleys. Descriptions of sheet or membrane waterproofing shall be deemed to include additional labour to turn-ups and turn-downs</p> <p><u>WATERPROOFING TO ROOFS, BASEMENTS, ETC</u></p> <p><u>Agrement approved flashing (As per Engineer's detail/scope of works)</u></p>			
1	Slide wall flashing	m	22	
2	Head wall flashing (south light windows)	m	6	
	<p style="text-align: right;">Carried Forward to Sectional Summary: 18</p> <p>Section No. 18 UNIT 43 Bill No. 2 WATERPROOFING PROVISIONAL BILL OF QUANTITIES NHBRC REMEDIAL WORK</p>		R	

**NHBRC REMEDIAL WORKS
KRONENDAL ESTATE, HOUT BAY, CAPE TOWN
WESTERN CAPE**

Item No		Quantity	Rate	Amount
<u>BILL NO 4</u>				
<u>ROOF COVERINGS ETC</u>				
Where battens for roof coverings form part of the plate nailed timber not roof truss design it shall be included under the roof construction in the "Carpentry and Joinery" trade and not under this trade				
<u>340x420mm Elite flat concrete slate concrete tiles nailed with non corrosive nails to battens and purlins</u>				
1	Roof covering with a 26 degree pitch (Allow to replace 45% of existing tiles set aside for reuse due to breakage)	m2	60	
2	Ridges of tiles to match roofing tiles, bedded and pointed in 1:3 tinted cement mortar, including 300mm wide strip of 375 micron embossed dampproof course in accordance with SANS 952 Type B underlay	No	8	
3	Mono ridges of tiles to match roofing tiles, bedded and pointed in 1:3 tinted cement mortar, including 300mm wide strip of 375 micron embossed dampproof course in accordance with SANS 952 Type B underlay	No	8	
<u>ROOF WALL INSULATION</u>				
<u>Polyethylene bubblefold aluminium foil faced both sides</u>				
4	Insulation sheeting laid taut over purlins and fixed concurrent with roof covering with minimum 150mm stapled laps including galvanised (PVC coated) steel straining wires at not exceeding 400mm centres and double-sided tape at edges where required	m2	133	
Carried Forward to Sectional Summary: 18			R	
Section No. 18 UNIT 43 Bill No. 3 ROOF COVERING PROVISIONAL BILL OF QUANTITIES NHBRC REMEDIAL WORK				

**NHBRC REMEDIAL WORKS
KRONENDAL ESTATE, HOUT BAY, CAPE TOWN
WESTERN CAPE**

Item No		Quantity	Rate	Amount
	<p><u>BILL NO 5</u></p> <p><u>CARPENTRY AND JOINERY</u></p> <p><u>SUPPLEMENTARY PREAMBLES</u></p> <p><u>Fixing</u></p> <p>Items described as "nailed" shall be deemed to be fixed with hardened steel nails or shot pins to brickwork or concrete</p> <p>Items described as "plugged" shall be deemed to include screwing to fibre, plastic or metal plugs at not exceeding 500mm centres, and where described as "bolted", the bolts have been given elsewhere</p> <p><u>Joinery:</u></p> <p>Descriptions of frames shall be deemed to include frames, transomes, mullions, rails, etc</p> <p>Descriptions of hardwood joinery shall be deemed to include pelleting of bolt holes</p> <p><u>ROOFS ETC</u></p> <p>Note</p> <p>New (grade 5 SA PINE , H2 treated) purlins (50mmx76mm minimum size) on the exposed rafters. The purlins need to be sized on site according to the gap between top of rafter and top batten on truss. This gap varies and must be assessed for each house as the work progress. Due to the isoboard, wedges cannot be used to adjust the levels after the purlin has been fixed down and the purlin size will have to correct</p> <p>Purlins should be fixed to rafters with 200mm long M8 coach screws at each purlin/rafter intersection. Holes through purlins should be pre-drilled and 6mm pilot holes should be drilled for coach screws into rafters. The coach screw head should be countersunk into purlin</p> <p>Battens should be nailed down with 100mmx4mm wired nails at each battten truss intersection</p> <p style="text-align: right;">Carried forward</p> <p>Section No. 18 UNIT 43 Bill No. 4 CARPENTRY AND JOINERY PROVISIONAL BILL OF QUANTITIES NHBRC REMEDIAL WORK</p>		R	

**NHBRC REMEDIAL WORKS
KRONENDAL ESTATE, HOUT BAY, CAPE TOWN
WESTERN CAPE**

Brought forward

R

Sawn softwood grade ?

1	38x38mm Battening at 450mm centres for concrete slate roof tiles covering	m	153
2	50x76 mm Purlins	m	279

Carried Forward to Sectional Summary: 18

R

**Section No. 18
UNIT 43
Bill No. 4
CARPENTRY AND JOINERY
PROVISIONAL BILL OF QUANTITIES
NHBRC REMEDIAL WORK**

**NHBRC REMEDIAL WORKS
KRONENDAL ESTATE, HOUT BAY, CAPE TOWN
WESTERN CAPE**

Bill No	Section No. 18	Page No	Amount
	UNIT 43		
	<u>SECTION SUMMARY - UNIT 43</u>		
1	ALTERATIONS	-138-	
2	WATERPROOFING	-139-	
3	ROOF COVERING	-140-	
4	CARPENTRY AND JOINERY	-142-	
	Carried to Final Summary		R
	Section No. 18 UNIT 43 <i>PROVISIONAL BILL OF QUANTITIES</i> <i>NHBRC REMEDIAL WORK</i>		

**NHBRC REMEDIAL WORKS
KRONENDAL ESTATE, HOUT BAY, CAPE TOWN
WESTERN CAPE**

Item No		Quantity	Rate	Amount
	<p><u>BILL NO 2</u></p> <p><u>ALTERATIONS</u></p> <p><u>SUPPLEMENTARY PREAMBLES</u></p> <p><u>View site</u></p> <p>Before submitting the tender the contractor shall visit the site and satisfy himself as to the nature and extent of the work to be done and the value of the materials contained in the buildings or portions of the buildings to be demolished. No claim for any variations of the contract sum in respect of the nature and extent of the work or of inferior or damaged materials will be entertained.</p> <p><u>Explosives</u></p> <p>No explosives whatsoever may be used for demolition purposes unless otherwise stated</p> <p><u>General</u></p> <p>The contractor shall carry out the whole of the works with as little mess and noise as possible and with minimum of disturbance to adjoining premises and their tenants. He/she shall provide proper protection and provide, erect and remove when directed, any temporary tarpaulins that may be necessary during the progress of the works, all to the satisfaction of the engineer.</p> <p>Water supply pipes and other piping that may be encountered and found necessary to disconnect or cut, shall be effectually stopped off or grubbed up and removed, and any new connections that may be necessary shall be made with proper fittings, to the satisfaction of the engineer.</p> <p style="text-align: right;">Carried forward</p> <p>Section No. 19 UNIT 45 Bill No. 1 ALTERATIONS PROVISIONAL BILL OF QUANTITIES NHBRC REMEDIAL WORK</p>		R	

**NHBRC REMEDIAL WORKS
KRONENDAL ESTATE, HOUT BAY, CAPE TOWN
WESTERN CAPE**

	Brought forward			R
	<u>Taking down and removing roofs, floors, panelling, ceilings, partitions, etc setting aside for re-use and later re fixing (as per Engineer's detail) in similar new position</u>			
2	Fibre cement Barge and Fascia Boards	m	59	
3	Coverland "Elite" flat concrete slate tiles	m2	103	
4	Ridge tiles	No	15	
5	Mono Ridge	No	15	
6	Side wall and cover flashing	m	22	
7	Gutters	m	24	
	Carried Forward to Sectional Summary: 19			R
	Section No. 19 UNIT 45 Bill No. 1 ALTERATIONS PROVISIONAL BILL OF QUANTITIES NHBRC REMEDIAL WORK			

**NHBRC REMEDIAL WORKS
KRONENDAL ESTATE, HOUT BAY, CAPE TOWN
WESTERN CAPE**

Item No		Quantity	Rate	Amount
	<p><u>BILL NO 3</u></p> <p><u>WATERPROOFING</u></p> <p><u>SUPPLEMENTARY PREAMBLES</u></p> <p><u>Waterproofing</u></p> <p>Waterproofing of roofs, basements, etc shall be laid under a ten year guarantee. Waterproofing to roofs shall be laid to even falls to outlets etc with necessary ridges, hips and valleys. Descriptions of sheet or membrane waterproofing shall be deemed to include additional labour to turn-ups and turn-downs</p> <p><u>WATERPROOFING TO ROOFS, BASEMENTS, ETC</u></p> <p><u>Agrement approved flashing (As per Engineer's detail/scope of works)</u></p>			
1	Slide wall flashing	m	22	
2	Head wall flashing (south light windows)	m	6	
	<p style="text-align: right;">Carried Forward to Sectional Summary: 19</p> <p>Section No. 19 UNIT 45 Bill No. 2 WATERPROOFING PROVISIONAL BILL OF QUANTITIES NHBRC REMEDIAL WORK</p>		R	

**NHBRC REMEDIAL WORKS
KRONENDAL ESTATE, HOUT BAY, CAPE TOWN
WESTERN CAPE**

Item No		Quantity	Rate	Amount
<u>BILL NO 4</u>				
<u>ROOF COVERINGS ETC</u>				
Where battens for roof coverings form part of the plate nailed timber not roof truss design it shall be included under the roof construction in the "Carpentry and Joinery" trade and not under this trade				
<u>340x420mm Elite flat concrete slate concrete tiles nailed with non corrosive nails to battens and purlins</u>				
1	Roof covering with a 26 degree pitch (Allow to replace 45% of existing tiles set aside for reuse due to breakage)	m2	60	
2	Ridges of tiles to match roofing tiles, bedded and pointed in 1:3 tinted cement mortar, including 300mm wide strip of 375 micron embossed dampproof course in accordance with SANS 952 Type B underlay	No	8	
3	Mono ridges of tiles to match roofing tiles, bedded and pointed in 1:3 tinted cement mortar, including 300mm wide strip of 375 micron embossed dampproof course in accordance with SANS 952 Type B underlay	No	8	
<u>ROOF WALL INSULATION</u>				
<u>Polyethylene bubblefold aluminium foil faced both sides</u>				
4	Insulation sheeting laid taut over purlins and fixed concurrent with roof covering with minimum 150mm stapled laps including galvanised (PVC coated) steel straining wires at not exceeding 400mm centres and double-sided tape at edges where required	m2	133	
Carried Forward to Sectional Summary: 19			R	
Section No. 19 UNIT 45 Bill No. 3 ROOF COVERING PROVISIONAL BILL OF QUANTITIES NHBRC REMEDIAL WORK				

**NHBRC REMEDIAL WORKS
KRONENDAL ESTATE, HOUT BAY, CAPE TOWN
WESTERN CAPE**

Item No		Quantity	Rate	Amount
	<p><u>BILL NO 5</u></p> <p><u>CARPENTRY AND JOINERY</u></p> <p><u>SUPPLEMENTARY PREAMBLES</u></p> <p><u>Fixing</u></p> <p>Items described as "nailed" shall be deemed to be fixed with hardened steel nails or shot pins to brickwork or concrete</p> <p>Items described as "plugged" shall be deemed to include screwing to fibre, plastic or metal plugs at not exceeding 500mm centres, and where described as "bolted", the bolts have been given elsewhere</p> <p><u>Joinery:</u></p> <p>Descriptions of frames shall be deemed to include frames, transomes, mullions, rails, etc</p> <p>Descriptions of hardwood joinery shall be deemed to include pelleting of bolt holes</p> <p><u>ROOFS ETC</u></p> <p>Note</p> <p>New (grade 5 SA PINE , H2 treated) purlins (50mmx76mm minimum size) on the exposed rafters. The purlins need to be sized on site according to the gap between top of rafter and top batten on truss. This gap varies and must be assessed for each house as the work progress. Due to the isoboard, wedges cannot be used to adjust the levels after the purlin has been fixed down and the purlin size will have to correct</p> <p>Purlins should be fixed to rafters with 200mm long M8 coach screws at each purlin/rafter intersection. Holes through purlins should be pre-drilled and 6mm pilot holes should be drilled for coach screws into rafters. The coach screw head should be countersunk into purlin</p> <p>Battens should be nailed down with 100mmx4mm wired nails at each battten truss intersection</p> <p style="text-align: right;">Carried forward</p> <p>Section No. 19 UNIT 45 Bill No. 4 CARPENTRY AND JOINERY PROVISIONAL BILL OF QUANTITIES NHBRC REMEDIAL WORK</p>		R	

**NHBRC REMEDIAL WORKS
KRONENDAL ESTATE, HOUT BAY, CAPE TOWN
WESTERN CAPE**

Brought forward

R

Sawn softwood grade ?

1	38x38mm Battening at 450mm centres for concrete slate roof tiles covering	m	153
2	50x76 mm Purlins	m	279

Carried Forward to Sectional Summary: 19

R

**Section No. 19
UNIT 45
Bill No. 4
CARPENTRY AND JOINERY
PROVISIONAL BILL OF QUANTITIES
NHBRC REMEDIAL WORK**

**NHBRC REMEDIAL WORKS
KRONENDAL ESTATE, HOUT BAY, CAPE TOWN
WESTERN CAPE**

Bill No	Section No. 19	Page No	Amount
	UNIT 45		
	<u>SECTION SUMMARY - UNIT 45</u>		
1	ALTERATIONS	-146-	
2	WATERPROOFING	-147-	
3	ROOF COVERING	-148-	
4	CARPENTRY AND JOINERY	-150-	
	Carried to Final Summary		R
	Section No. 19 UNIT 45 PROVISIONAL BILL OF QUANTITIES NHBRC REMEDIAL WORK		

**NHBRC REMEDIAL WORKS
KRONENDAL ESTATE, HOUT BAY, CAPE TOWN
WESTERN CAPE**

Item No		Quantity	Rate	Amount
	<p><u>BILL NO 2</u></p> <p><u>ALTERATIONS</u></p> <p><u>SUPPLEMENTARY PREAMBLES</u></p> <p><u>View site</u></p> <p>Before submitting the tender the contractor shall visit the site and satisfy himself as to the nature and extent of the work to be done and the value of the materials contained in the buildings or portions of the buildings to be demolished. No claim for any variations of the contract sum in respect of the nature and extent of the work or of inferior or damaged materials will be entertained.</p> <p><u>Explosives</u></p> <p>No explosives whatsoever may be used for demolition purposes unless otherwise stated</p> <p><u>General</u></p> <p>The contractor shall carry out the whole of the works with as little mess and noise as possible and with minimum of disturbance to adjoining premises and their tenants. He/she shall provide proper protection and provide, erect and remove when directed, any temporary tarpaulins that may be necessary during the progress of the works, all to the satisfaction of the engineer.</p> <p>Water supply pipes and other piping that may be encountered and found necessary to disconnect or cut, shall be effectually stopped off or grubbed up and removed, and any new connections that may be necessary shall be made with proper fittings, to the satisfaction of the engineer.</p> <p style="text-align: right;">Carried forward</p> <p>Section No. 20 UNIT 46 Bill No. 1 ALTERATIONS PROVISIONAL BILL OF QUANTITIES NHBRC REMEDIAL WORK</p>		R	

**NHBRC REMEDIAL WORKS
KRONENDAL ESTATE, HOUT BAY, CAPE TOWN
WESTERN CAPE**

Brought forward			R
<u>Taking down and removing roofs, floors, panelling, ceilings, partitions, etc setting aside for re-use and later re fixing (as per Engineer's detail) in similar new position</u>			
2	Fibre cement Barge and Fascia Boards	m	59
3	Coverland "Elite" flat concrete slate tiles	m2	103
4	Ridge tiles	No	15
5	Mono Ridge	No	15
6	Side wall and cover flashing	m	22
7	Gutters	m	24
Carried Forward to Sectional Summary: 20			R
Section No. 20 UNIT 46 Bill No. 1 ALTERATIONS PROVISIONAL BILL OF QUANTITIES NHBRC REMEDIAL WORK			

**NHBRC REMEDIAL WORKS
KRONENDAL ESTATE, HOUT BAY, CAPE TOWN
WESTERN CAPE**

Item No		Quantity	Rate	Amount
	<p><u>BILL NO 3</u></p> <p><u>WATERPROOFING</u></p> <p><u>SUPPLEMENTARY PREAMBLES</u></p> <p><u>Waterproofing</u></p> <p>Waterproofing of roofs, basements, etc shall be laid under a ten year guarantee. Waterproofing to roofs shall be laid to even falls to outlets etc with necessary ridges, hips and valleys. Descriptions of sheet or membrane waterproofing shall be deemed to include additional labour to turn-ups and turn-downs</p> <p><u>WATERPROOFING TO ROOFS, BASEMENTS, ETC</u></p> <p><u>Agrement approved flashing (As per Engineer's detail/scope of works)</u></p>			
1	Slide wall flashing	m	22	
2	Head wall flashing (south light windows)	m	6	
	<p style="text-align: right;">Carried Forward to Sectional Summary: 20</p> <p>Section No. 20 UNIT 46 Bill No. 2 WATERPROOFING PROVISIONAL BILL OF QUANTITIES NHBRC REMEDIAL WORK</p>		R	

**NHBRC REMEDIAL WORKS
KRONENDAL ESTATE, HOUT BAY, CAPE TOWN
WESTERN CAPE**

Item No	<u>BILL NO 4</u>	Quantity	Rate	Amount
	<u>ROOF COVERINGS ETC</u>			
	Where battens for roof coverings form part of the plate nailed timber not roof truss design it shall be included under the roof construction in the "Carpentry and Joinery" trade and not under this trade			
	<u>340x420mm Elite flat concrete slate concrete tiles nailed with non corrosive nails to battens and purlins</u>			
1	Roof covering with a 26 degree pitch (Allow to replace 45% of existing tiles set aside for reuse due to breakage)	m2	60	
2	Ridges of tiles to match roofing tiles, bedded and pointed in 1:3 tinted cement mortar, including 300mm wide strip of 375 micron embossed dampproof course in accordance with SANS 952 Type B underlay	No	8	
3	Mono ridges of tiles to match roofing tiles, bedded and pointed in 1:3 tinted cement mortar, including 300mm wide strip of 375 micron embossed dampproof course in accordance with SANS 952 Type B underlay	No	8	
	<u>ROOF WALL INSULATION</u>			
	<u>Polyethylene bubblefold aluminium foil faced both sides</u>			
4	Insulation sheeting laid taut over purlins and fixed concurrent with roof covering with minimum 150mm stapled laps including galvanised (PVC coated) steel straining wires at not exceeding 400mm centres and double-sided tape at edges where required	m2	133	
	Carried Forward to Sectional Summary: 20		R	
	Section No. 20 UNIT 46 Bill No. 3 ROOF COVERING PROVISIONAL BILL OF QUANTITIES NHBRC REMEDIAL WORK			

**NHBRC REMEDIAL WORKS
KRONENDAL ESTATE, HOUT BAY, CAPE TOWN
WESTERN CAPE**

Item No		Quantity	Rate	Amount
	<p><u>BILL NO 5</u></p> <p><u>CARPENTRY AND JOINERY</u></p> <p><u>SUPPLEMENTARY PREAMBLES</u></p> <p><u>Fixing</u></p> <p>Items described as "nailed" shall be deemed to be fixed with hardened steel nails or shot pins to brickwork or concrete</p> <p>Items described as "plugged" shall be deemed to include screwing to fibre, plastic or metal plugs at not exceeding 500mm centres, and where described as "bolted", the bolts have been given elsewhere</p> <p><u>Joinery:</u></p> <p>Descriptions of frames shall be deemed to include frames, transomes, mullions, rails, etc</p> <p>Descriptions of hardwood joinery shall be deemed to include pelleting of bolt holes</p> <p><u>ROOFS ETC</u></p> <p>Note</p> <p>New (grade 5 SA PINE , H2 treated) purlins (50mmx76mm minimum size) on the exposed rafters. The purlins need to be sized on site according to the gap between top of rafter and top batten on truss. This gap varies and must be assessed for each house as the work progress. Due to the isoboard, wedges cannot be used to adjust the levels after the purlin has been fixed down and the purlin size will have to correct</p> <p>Purlins should be fixed to rafters with 200mm long M8 coach screws at each purlin/rafter intersection. Holes through purlins should be pre-drilled and 6mm pilot holes should be drilled for coach screws into rafters. The coach screw head should be countersunk into purlin</p> <p>Battens should be nailed down with 100mmx4mm wired nails at each battten truss intersection</p> <p style="text-align: right;">Carried forward</p> <p>Section No. 20 UNIT 46 Bill No. 4 CARPENTRY AND JOINERY PROVISIONAL BILL OF QUANTITIES NHBRC REMEDIAL WORK</p>		R	

**NHBRC REMEDIAL WORKS
KRONENDAL ESTATE, HOUT BAY, CAPE TOWN
WESTERN CAPE**

Brought forward

R

Sawn softwood grade ?

1	38x38mm Battening at 450mm centres for concrete slate roof tiles covering	m	153
2	50x76 mm Purlins	m	279

Carried Forward to Sectional Summary: 20

R

**Section No. 20
UNIT 46
Bill No. 4
CARPENTRY AND JOINERY
PROVISIONAL BILL OF QUANTITIES
NHBRC REMEDIAL WORK**

**NHBRC REMEDIAL WORKS
KRONENDAL ESTATE, HOUT BAY, CAPE TOWN
WESTERN CAPE**

Bill No	Section No. 20	Page No	Amount
	UNIT 46		
	<u>SECTION SUMMARY - UNIT 46</u>		
1	ALTERATIONS	-154-	
2	WATERPROOFING	-155-	
3	ROOF COVERING	-156-	
4	CARPENTRY AND JOINERY	-158-	
	Carried to Final Summary		R
	Section No. 20 UNIT 46 <i>PROVISIONAL BILL OF QUANTITIES</i> <i>NHBRC REMEDIAL WORK</i>		

**NHBRC REMEDIAL WORKS
KRONENDAL ESTATE, HOUT BAY, CAPE TOWN
WESTERN CAPE**

Item No		Quantity	Rate	Amount
	<p><u>BILL NO 2</u></p> <p><u>ALTERATIONS</u></p> <p><u>SUPPLEMENTARY PREAMBLES</u></p> <p><u>View site</u></p> <p>Before submitting the tender the contractor shall visit the site and satisfy himself as to the nature and extent of the work to be done and the value of the materials contained in the buildings or portions of the buildings to be demolished. No claim for any variations of the contract sum in respect of the nature and extent of the work or of inferior or damaged materials will be entertained.</p> <p><u>Explosives</u></p> <p>No explosives whatsoever may be used for demolition purposes unless otherwise stated</p> <p><u>General</u></p> <p>The contractor shall carry out the whole of the works with as little mess and noise as possible and with minimum of disturbance to adjoining premises and their tenants. He/she shall provide proper protection and provide, erect and remove when directed, any temporary tarpaulins that may be necessary during the progress of the works, all to the satisfaction of the engineer.</p> <p>Water supply pipes and other piping that may be encountered and found necessary to disconnect or cut, shall be effectually stopped off or grubbed up and removed, and any new connections that may be necessary shall be made with proper fittings, to the satisfaction of the engineer.</p> <p style="text-align: right;">Carried forward</p> <p>Section No. 21 UNIT 52 Bill No. 1 ALTERATIONS PROVISIONAL BILL OF QUANTITIES NHBRC REMEDIAL WORK</p>		R	

**NHBRC REMEDIAL WORKS
KRONENDAL ESTATE, HOUT BAY, CAPE TOWN
WESTERN CAPE**

Item No		Quantity	Rate	Amount
	<p><u>BILL NO 3</u></p> <p><u>WATERPROOFING</u></p> <p><u>SUPPLEMENTARY PREAMBLES</u></p> <p><u>Waterproofing</u></p> <p>Waterproofing of roofs, basements, etc shall be laid under a ten year guarantee. Waterproofing to roofs shall be laid to even falls to outlets etc with necessary ridges, hips and valleys. Descriptions of sheet or membrane waterproofing shall be deemed to include additional labour to turn-ups and turn-downs</p> <p><u>WATERPROOFING TO ROOFS, BASEMENTS, ETC</u></p> <p><u>Agrement approved flashing (As per Engineer's detail/scope of works)</u></p>			
1	Slide wall flashing	m	22	
2	Head wall flashing (south light windows)	m	6	
	<p style="text-align: right;">Carried Forward to Sectional Summary: 21</p> <p>Section No. 21 UNIT 52 Bill No. 2 WATERPROOFING PROVISIONAL BILL OF QUANTITIES NHBRC REMEDIAL WORK</p>		R	

**NHBRC REMEDIAL WORKS
KRONENDAL ESTATE, HOUT BAY, CAPE TOWN
WESTERN CAPE**

Item No		Quantity	Rate	Amount
<u>BILL NO 4</u>				
<u>ROOF COVERINGS ETC</u>				
Where battens for roof coverings form part of the plate nailed timber not roof truss design it shall be included under the roof construction in the "Carpentry and Joinery" trade and not under this trade				
<u>340x420mm Elite flat concrete slate concrete tiles nailed with non corrosive nails to battens and purlins</u>				
1	Roof covering with a 26 degree pitch (Allow to replace 45% of existing tiles set aside for reuse due to breakage)	m2	60	
2	Ridges of tiles to match roofing tiles, bedded and pointed in 1:3 tinted cement mortar, including 300mm wide strip of 375 micron embossed dampproof course in accordance with SANS 952 Type B underlay	No	8	
3	Mono ridges of tiles to match roofing tiles, bedded and pointed in 1:3 tinted cement mortar, including 300mm wide strip of 375 micron embossed dampproof course in accordance with SANS 952 Type B underlay	No	8	
<u>ROOF WALL INSULATION</u>				
<u>Polyethylene bubblefold aluminium foil faced both sides</u>				
4	Insulation sheeting laid taut over purlins and fixed concurrent with roof covering with minimum 150mm stapled laps including galvanised (PVC coated) steel straining wires at not exceeding 400mm centres and double-sided tape at edges where required	m2	133	
Carried Forward to Sectional Summary: 21			R	
Section No. 21 UNIT 52 Bill No. 3 ROOF COVERING PROVISIONAL BILL OF QUANTITIES NHBRC REMEDIAL WORK				

**NHBRC REMEDIAL WORKS
KRONENDAL ESTATE, HOUT BAY, CAPE TOWN
WESTERN CAPE**

Item No		Quantity	Rate	Amount
	<p><u>BILL NO 5</u></p> <p><u>CARPENTRY AND JOINERY</u></p> <p><u>SUPPLEMENTARY PREAMBLES</u></p> <p><u>Fixing</u></p> <p>Items described as "nailed" shall be deemed to be fixed with hardened steel nails or shot pins to brickwork or concrete</p> <p>Items described as "plugged" shall be deemed to include screwing to fibre, plastic or metal plugs at not exceeding 500mm centres, and where described as "bolted", the bolts have been given elsewhere</p> <p><u>Joinery:</u></p> <p>Descriptions of frames shall be deemed to include frames, transomes, mullions, rails, etc</p> <p>Descriptions of hardwood joinery shall be deemed to include pelleting of bolt holes</p> <p><u>ROOFS ETC</u></p> <p>Note</p> <p>New (grade 5 SA PINE , H2 treated) purlins (50mmx76mm minimum size) on the exposed rafters. The purlins need to be sized on site according to the gap between top of rafter and top batten on truss. This gap varies and must be assessed for each house as the work progress. Due to the isoboard, wedges cannot be used to adjust the levels after the purlin has been fixed down and the purlin size will have to correct</p> <p>Purlins should be fixed to rafters with 200mm long M8 coach screws at each purlin/rafter intersection. Holes through purlins should be pre-drilled and 6mm pilot holes should be drilled for coach screws into rafters. The coach screw head should be countersunk into purlin</p> <p>Battens should be nailed down with 100mmx4mm wired nails at each battten truss intersection</p> <p style="text-align: right;">Carried forward</p> <p>Section No. 21 UNIT 52 Bill No. 4 CARPENTRY AND JOINERY PROVISIONAL BILL OF QUANTITIES NHBRC REMEDIAL WORK</p>		R	

**NHBRC REMEDIAL WORKS
KRONENDAL ESTATE, HOUT BAY, CAPE TOWN
WESTERN CAPE**

	Brought forward			R
	<u>Sawn softwood grade ?</u>			
1	38x38mm Battening at 450mm centres for concrete slate roof tiles covering	m	153	
2	50x76 mm Purlins	m	279	
Carried Forward to Sectional Summary: 21				R
Section No. 21 UNIT 52 Bill No. 4 CARPENTRY AND JOINERY PROVISIONAL BILL OF QUANTITIES NHBRC REMEDIAL WORK				

**NHBRC REMEDIAL WORKS
KRONENDAL ESTATE, HOUT BAY, CAPE TOWN
WESTERN CAPE**

Bill No	Section No. 21	Page No	Amount
	UNIT 52		
	<u>SECTION SUMMARY - UNIT 52</u>		
1	ALTERATIONS	-162-	
2	WATERPROOFING	-163-	
3	ROOF COVERING	-164-	
4	CARPENTRY AND JOINERY	-166-	
	Carried to Final Summary		R
	Section No. 21 UNIT 52 <i>PROVISIONAL BILL OF QUANTITIES</i> <i>NHBRC REMEDIAL WORK</i>		

**NHBRC REMEDIAL WORKS
KRONENDAL ESTATE, HOUT BAY, CAPE TOWN
WESTERN CAPE**

Item No		Quantity	Rate	Amount
	<p><u>BILL NO 2</u></p> <p><u>ALTERATIONS</u></p> <p><u>SUPPLEMENTARY PREAMBLES</u></p> <p><u>View site</u></p> <p>Before submitting the tender the contractor shall visit the site and satisfy himself as to the nature and extent of the work to be done and the value of the materials contained in the buildings or portions of the buildings to be demolished. No claim for any variations of the contract sum in respect of the nature and extent of the work or of inferior or damaged materials will be entertained.</p> <p><u>Explosives</u></p> <p>No explosives whatsoever may be used for demolition purposes unless otherwise stated</p> <p><u>General</u></p> <p>The contractor shall carry out the whole of the works with as little mess and noise as possible and with minimum of disturbance to adjoining premises and their tenants. He/she shall provide proper protection and provide, erect and remove when directed, any temporary tarpaulins that may be necessary during the progress of the works, all to the satisfaction of the engineer.</p> <p>Water supply pipes and other piping that may be encountered and found necessary to disconnect or cut, shall be effectually stopped off or grubbed up and removed, and any new connections that may be necessary shall be made with proper fittings, to the satisfaction of the engineer.</p> <p style="text-align: right;">Carried forward</p> <p>Section No. 22 UNIT 56 Bill No. 1 ALTERATIONS PROVISIONAL BILL OF QUANTITIES NHBRC REMEDIAL WORK</p>		R	

**NHBRC REMEDIAL WORKS
KRONENDAL ESTATE, HOUT BAY, CAPE TOWN
WESTERN CAPE**

<p style="text-align: right;">Brought forward</p> <p>Doors, fanlights, fittings, frames, linings, etc which are to be re-used shall be thoroughly overhauled before refixing including taking off. easing and rehangng, cramping up, re-wedging as required and making good cramps, dowels, etc, and easing, oiling, adjusting and repairing ironmongery as necessary, replacing any glass damaged in removal or subsequently and stopping up all ail and screw holes with tinted plastic wood to match timber, unless otherwise described. Re-painting or re-varnishing is given separately</p> <p>Prices for taking out doors, windows, etc shall including for removal of all beads, architraves, ironmongery, etc</p> <p>Prices for taking out and removing doors and frames shall include for removing door stop, cabin hook, etc and making good floor and wall finishes to match existing</p> <p>With regard to building up of openings in existing walls, cement screeds and pavings, granolithis, tops of walls, etc, shall be levelled and prepared for raising of brickwork</p> <p>Making good of finishes shall include making good of the brick and concrete surfaces onto which the new finishes are applied, where necessary</p> <p>The contractor will be required to take all dimensions affecting the existing buildings on the site and he will be held solely responsible for the accuracy of all such dimensions where used in the manufacture of new items (doors, windows, fittings, etc)</p> <p><u>REMOVAL OF EXISTING WORK</u></p> <p><u>Taking down and removing roofs, floors, panelling, ceilings, partitions, etc</u></p>		R	
<p>1 Timber purlins and battens</p> <p style="text-align: right;">Carried forward</p> <p>Section No. 22 UNIT 56 Bill No. 1 ALTERATIONS PROVISIONAL BILL OF QUANTITIES NHBRC REMEDIAL WORK</p>	m	432	R

**NHBRC REMEDIAL WORKS
KRONENDAL ESTATE, HOUT BAY, CAPE TOWN
WESTERN CAPE**

Brought forward			R
<u>Taking down and removing roofs, floors, panelling, ceilings, partitions, etc setting aside for re-use and later re fixing (as per Engineer's detail) in similar new position</u>			
2	Fibre cement Barge and Fascia Boards	m	59
3	Coverland "Elite" flat concrete slate tiles	m2	103
4	Ridge tiles	No	15
5	Mono Ridge	No	15
6	Side wall and cover flashing	m	22
7	Gutters	m	24
Carried Forward to Sectional Summary: 22			R
Section No. 22 UNIT 56 Bill No. 1 ALTERATIONS PROVISIONAL BILL OF QUANTITIES NHBRC REMEDIAL WORK			

**NHBRC REMEDIAL WORKS
KRONENDAL ESTATE, HOUT BAY, CAPE TOWN
WESTERN CAPE**

Item No		Quantity	Rate	Amount
	<p><u>BILL NO 3</u></p> <p><u>WATERPROOFING</u></p> <p><u>SUPPLEMENTARY PREAMBLES</u></p> <p><u>Waterproofing</u></p> <p>Waterproofing of roofs, basements, etc shall be laid under a ten year guarantee. Waterproofing to roofs shall be laid to even falls to outlets etc with necessary ridges, hips and valleys. Descriptions of sheet or membrane waterproofing shall be deemed to include additional labour to turn-ups and turn-downs</p> <p><u>WATERPROOFING TO ROOFS, BASEMENTS, ETC</u></p> <p><u>Agreement approved flashing (As per Engineer's detail/scope of works)</u></p>			
1	Slide wall flashing	m	22	
2	Head wall flashing (south light windows)	m	6	
	<p style="text-align: right;">Carried Forward to Sectional Summary: 22</p> <p>Section No. 22 UNIT 56 Bill No. 2 WATERPROOFING PROVISIONAL BILL OF QUANTITIES NHBRC REMEDIAL WORK</p>		R	

**NHBRC REMEDIAL WORKS
KRONENDAL ESTATE, HOUT BAY, CAPE TOWN
WESTERN CAPE**

Item No		Quantity	Rate	Amount
<u>BILL NO 4</u>				
<u>ROOF COVERINGS ETC</u>				
Where battens for roof coverings form part of the plate nailed timber not roof truss design it shall be included under the roof construction in the "Carpentry and Joinery" trade and not under this trade				
<u>340x420mm Elite flat concrete slate concrete tiles nailed with non corrosive nails to battens and purlins</u>				
1	Roof covering with a 26 degree pitch (Allow to replace 45% of existing tiles set aside for reuse due to breakage)	m2	60	
2	Ridges of tiles to match roofing tiles, bedded and pointed in 1:3 tinted cement mortar, including 300mm wide strip of 375 micron embossed dampproof course in accordance with SANS 952 Type B underlay	No	8	
3	Mono ridges of tiles to match roofing tiles, bedded and pointed in 1:3 tinted cement mortar, including 300mm wide strip of 375 micron embossed dampproof course in accordance with SANS 952 Type B underlay	No	8	
<u>ROOF WALL INSULATION</u>				
<u>Polyethylene bubblefold aluminium foil faced both sides</u>				
4	Insulation sheeting laid taut over purlins and fixed concurrent with roof covering with minimum 150mm stapled laps including galvanised (PVC coated) steel straining wires at not exceeding 400mm centres and double-sided tape at edges where required	m2	133	
Carried Forward to Sectional Summary: 22			R	
Section No. 22 UNIT 56 Bill No. 3 ROOF COVERING PROVISIONAL BILL OF QUANTITIES NHBRC REMEDIAL WORK				

**NHBRC REMEDIAL WORKS
KRONENDAL ESTATE, HOUT BAY, CAPE TOWN
WESTERN CAPE**

Item No		Quantity	Rate	Amount
	<p><u>BILL NO 5</u></p> <p><u>CARPENTRY AND JOINERY</u></p> <p><u>SUPPLEMENTARY PREAMBLES</u></p> <p><u>Fixing</u></p> <p>Items described as "nailed" shall be deemed to be fixed with hardened steel nails or shot pins to brickwork or concrete</p> <p>Items described as "plugged" shall be deemed to include screwing to fibre, plastic or metal plugs at not exceeding 500mm centres, and where described as "bolted", the bolts have been given elsewhere</p> <p><u>Joinery:</u></p> <p>Descriptions of frames shall be deemed to include frames, transomes, mullions, rails, etc</p> <p>Descriptions of hardwood joinery shall be deemed to include pelleting of bolt holes</p> <p><u>ROOFS ETC</u></p> <p>Note</p> <p>New (grade 5 SA PINE , H2 treated) purlins (50mmx76mm minimum size) on the exposed rafters. The purlins need to be sized on site according to the gap between top of rafter and top batten on truss. This gap varies and must be assessed for each house as the work progress. Due to the isoboard, wedges cannot be used to adjust the levels after the purlin has been fixed down and the purlin size will have to correct</p> <p>Purlins should be fixed to rafters with 200mm long M8 coach screws at each purlin/rafter intersection. Holes through purlins should be pre-drilled and 6mm pilot holes should be drilled for coach screws into rafters. The coach screw head should be countersunk into purlin</p> <p>Battens should be nailed down with 100mmx4mm wired nails at each battten truss intersection</p> <p style="text-align: right;">Carried forward</p> <p>Section No. 22 UNIT 56 Bill No. 4 CARPENTRY AND JOINERY PROVISIONAL BILL OF QUANTITIES NHBRC REMEDIAL WORK</p>		R	

**NHBRC REMEDIAL WORKS
KRONENDAL ESTATE, HOUT BAY, CAPE TOWN
WESTERN CAPE**

Bill No	Section No. 22	Page No	Amount
	UNIT 56		
	<u>SECTION SUMMARY - UNIT 56</u>		
1	ALTERATIONS	-170-	
2	WATERPROOFING	-171-	
3	ROOF COVERING	-172-	
4	CARPENTRY AND JOINERY	-174-	
	Carried to Final Summary		R
	Section No. 22 UNIT 56 <i>PROVISIONAL BILL OF QUANTITIES</i> <i>NHBRC REMEDIAL WORK</i>		

**NHBRC REMEDIAL WORKS
KRONENDAL ESTATE, HOUT BAY, CAPE TOWN
WESTERN CAPE**

Item No		Quantity	Rate	Amount
	<p><u>BILL NO 2</u></p> <p><u>ALTERATIONS</u></p> <p><u>SUPPLEMENTARY PREAMBLES</u></p> <p><u>View site</u></p> <p>Before submitting the tender the contractor shall visit the site and satisfy himself as to the nature and extent of the work to be done and the value of the materials contained in the buildings or portions of the buildings to be demolished. No claim for any variations of the contract sum in respect of the nature and extent of the work or of inferior or damaged materials will be entertained.</p> <p><u>Explosives</u></p> <p>No explosives whatsoever may be used for demolition purposes unless otherwise stated</p> <p><u>General</u></p> <p>The contractor shall carry out the whole of the works with as little mess and noise as possible and with minimum of disturbance to adjoining premises and their tenants. He/she shall provide proper protection and provide, erect and remove when directed, any temporary tarpaulins that may be necessary during the progress of the works, all to the satisfaction of the engineer.</p> <p>Water supply pipes and other piping that may be encountered and found necessary to disconnect or cut, shall be effectually stopped off or grubbed up and removed, and any new connections that may be necessary shall be made with proper fittings, to the satisfaction of the engineer.</p> <p style="text-align: right;">Carried forward</p> <p>Section No. 23 UNIT 57 Bill No. 1 ALTERATIONS PROVISIONAL BILL OF QUANTITIES NHBRC REMEDIAL WORK</p>		R	

**NHBRC REMEDIAL WORKS
KRONENDAL ESTATE, HOUT BAY, CAPE TOWN
WESTERN CAPE**

Brought forward			R
<u>Taking down and removing roofs, floors, panelling, ceilings, partitions, etc setting aside for re-use and later re fixing (as per Engineer's detail) in similar new position</u>			
2	Fibre cement Barge and Fascia Boards	m	59
3	Coverland "Elite" flat concrete slate tiles	m2	103
4	Ridge tiles	No	15
5	Mono Ridge	No	15
6	Side wall and cover flashing	m	22
7	Gutters	m	24
Carried Forward to Sectional Summary: 23			R
Section No. 23 UNIT 57 Bill No. 1 ALTERATIONS PROVISIONAL BILL OF QUANTITIES NHBRC REMEDIAL WORK			

**NHBRC REMEDIAL WORKS
KRONENDAL ESTATE, HOUT BAY, CAPE TOWN
WESTERN CAPE**

Item No		Quantity	Rate	Amount
	<p><u>BILL NO 3</u></p> <p><u>WATERPROOFING</u></p> <p><u>SUPPLEMENTARY PREAMBLES</u></p> <p><u>Waterproofing</u></p> <p>Waterproofing of roofs, basements, etc shall be laid under a ten year guarantee. Waterproofing to roofs shall be laid to even falls to outlets etc with necessary ridges, hips and valleys. Descriptions of sheet or membrane waterproofing shall be deemed to include additional labour to turn-ups and turn-downs</p> <p><u>WATERPROOFING TO ROOFS, BASEMENTS, ETC</u></p> <p><u>Agrement approved flashing (As per Engineer's detail/scope of works)</u></p>			
1	Slide wall flashing	m	22	
2	Head wall flashing (south light windows)	m	6	
	<p style="text-align: right;">Carried Forward to Sectional Summary: 23</p> <p>Section No. 23 UNIT 57 Bill No. 2 WATERPROOFING PROVISIONAL BILL OF QUANTITIES NHBRC REMEDIAL WORK</p>		R	

**NHBRC REMEDIAL WORKS
KRONENDAL ESTATE, HOUT BAY, CAPE TOWN
WESTERN CAPE**

Item No		Quantity	Rate	Amount
<u>BILL NO 4</u>				
<u>ROOF COVERINGS ETC</u>				
Where battens for roof coverings form part of the plate nailed timber not roof truss design it shall be included under the roof construction in the "Carpentry and Joinery" trade and not under this trade				
<u>340x420mm Elite flat concrete slate concrete tiles nailed with non corrosive nails to battens and purlins</u>				
1	Roof covering with a 26 degree pitch (Allow to replace 45% of existing tiles set aside for reuse due to breakage)	m2	60	
2	Ridges of tiles to match roofing tiles, bedded and pointed in 1:3 tinted cement mortar, including 300mm wide strip of 375 micron embossed dampproof course in accordance with SANS 952 Type B underlay	No	8	
3	Mono ridges of tiles to match roofing tiles, bedded and pointed in 1:3 tinted cement mortar, including 300mm wide strip of 375 micron embossed dampproof course in accordance with SANS 952 Type B underlay	No	8	
<u>ROOF WALL INSULATION</u>				
<u>Polyethylene bubblefold aluminium foil faced both sides</u>				
4	Insulation sheeting laid taut over purlins and fixed concurrent with roof covering with minimum 150mm stapled laps including galvanised (PVC coated) steel straining wires at not exceeding 400mm centres and double-sided tape at edges where required	m2	133	
Carried Forward to Sectional Summary: 23			R	
Section No. 23 UNIT 57 Bill No. 3 ROOF COVERING PROVISIONAL BILL OF QUANTITIES NHBRC REMEDIAL WORK				

**NHBRC REMEDIAL WORKS
KRONENDAL ESTATE, HOUT BAY, CAPE TOWN
WESTERN CAPE**

Item No		Quantity	Rate	Amount
	<p><u>BILL NO 5</u></p> <p><u>CARPENTRY AND JOINERY</u></p> <p><u>SUPPLEMENTARY PREAMBLES</u></p> <p><u>Fixing</u></p> <p>Items described as "nailed" shall be deemed to be fixed with hardened steel nails or shot pins to brickwork or concrete</p> <p>Items described as "plugged" shall be deemed to include screwing to fibre, plastic or metal plugs at not exceeding 500mm centres, and where described as "bolted", the bolts have been given elsewhere</p> <p><u>Joinery:</u></p> <p>Descriptions of frames shall be deemed to include frames, transomes, mullions, rails, etc</p> <p>Descriptions of hardwood joinery shall be deemed to include pelleting of bolt holes</p> <p><u>ROOFS ETC</u></p> <p>Note</p> <p>New (grade 5 SA PINE , H2 treated) purlins (50mmx76mm minimum size) on the exposed rafters. The purlins need to be sized on site according to the gap between top of rafter and top batten on truss. This gap varies and must be assessed for each house as the work progress. Due to the isoboard, wedges cannot be used to adjust the levels after the purlin has been fixed down and the purlin size will have to correct</p> <p>Purlins should be fixed to rafters with 200mm long M8 coach screws at each purlin/rafter intersection. Holes through purlins should be pre-drilled and 6mm pilot holes should be drilled for coach screws into rafters. The coach screw head should be countersunk into purlin</p> <p>Battens should be nailed down with 100mmx4mm wired nails at each battten truss intersection</p> <p style="text-align: right;">Carried forward</p> <p>Section No. 23 UNIT 57 Bill No. 4 CARPENTRY AND JOINERY PROVISIONAL BILL OF QUANTITIES NHBRC REMEDIAL WORK</p>		R	

**NHBRC REMEDIAL WORKS
KRONENDAL ESTATE, HOUT BAY, CAPE TOWN
WESTERN CAPE**

Brought forward

R

Sawn softwood grade ?

1	38x38mm Battening at 450mm centres for concrete slate roof tiles covering	m	153
2	50x76 mm Purlins	m	279

Carried Forward to Sectional Summary: 23

R

**Section No. 23
UNIT 57
Bill No. 4
CARPENTRY AND JOINERY
PROVISIONAL BILL OF QUANTITIES
NHBRC REMEDIAL WORK**

**NHBRC REMEDIAL WORKS
KRONENDAL ESTATE, HOUT BAY, CAPE TOWN
WESTERN CAPE**

Bill No	Section No. 23	Page No	Amount
	UNIT 57		
	<u>SECTION SUMMARY - UNIT 57</u>		
1	ALTERATIONS	-178-	
2	WATERPROOFING	-179-	
3	ROOF COVERING	-180-	
4	CARPENTRY AND JOINERY	-182-	
	Carried to Final Summary		R
	Section No. 23 UNIT 57 <i>PROVISIONAL BILL OF QUANTITIES</i> <i>NHBRC REMEDIAL WORK</i>		

**NHBRC REMEDIAL WORKS
KRONENDAL ESTATE, HOUT BAY, CAPE TOWN
WESTERN CAPE**

<u>FINAL SUMMARY</u>				
Section No		Page No		Amount
1	PRELIMINARIES AND GENERAL	-7-		
2	UNIT 3	-15-		
3	UNIT 6	-23-		
4	UNIT 7	-31-		
5	UNIT 8	-39-		
6	UNIT 9	-47-		
7	UNIT 14	-55-		
8	UNIT 15	-63-		
9	UNIT 16	-71-		
10	UNIT 20	-79-		
11	UNIT 26	-87-		
12	UNIT 29	-95-		
13	UNIT 31	-103-		
14	UNIT 33	-111-		
15	UNIT 36	-119-		
16	UNIT 39	-127-		
17	UNIT 42	-135-		
18	UNIT 43	-143-		
19	UNIT 45	-151-		
20	UNIT 46	-159-		
21	UNIT 52	-167-		
	Carried forward		R	
	PROVISIONAL BILL OF QUANTITIES NHBRC REMEDIAL WORK			

**NHBRC REMEDIAL WORKS
KRONENDAL ESTATE, HOUT BAY, CAPE TOWN
WESTERN CAPE**

Section No	<u>FINAL SUMMARY</u>	Page No	Amount
	Brought forward		R
22	UNIT 56	-175-	
23	UNIT 57	-183-	
	SUB TOTAL		R
	<u>CONTINGENCY</u>		
	Allow a contingency of 10% to be used as directed by the Quantity Surveyor.		SUM
	VALUE ADDED TAX		R
	Carried to Form of Tender		R
	PROVISIONAL BILL OF QUANTITIES NHBRC REMEDIAL WORK		