

	Unit	Quantity	Rate	Amount
<u>CEILINGS</u>				
<u>Proprietary ceilings</u>				
<u>Masonite/Armstrong Prima Plain white Board 15mm edged ceiling tiles on and including 15mm wide Armstrong Trulok Prelude XL/TL 24mm exposed tee suspension system comprising main tees at 1200mm centres with cross tees between each tile including hold-down clips, etc, all suspended with galvanised hangers at not exceeding 1200mm centres.</u>				
8 Ceilings of 600 x 1200 x 15mm thick boards, fixed to timber trusses and rafters	m ²	577		
<u>INSULATION</u>				
<u>Alutherm Polyester fibre insulation</u>				
9 100mm Thick laid on top of ceilings	m ²	219		
<u>CORNICE, EDGING, ETC</u>				
<u>Shadowline cornices to suspended ceilings</u>				
10 Donn SM25 wall angle	m	561		
<u>Wrought Meranti</u>				
11 20 x 50mm Cornice, plugged to brickwork	m	90		
<u>Hi Density Polystyrene</u>				
12 80 x 80 x 110mm Dynamic Artistic Solutions (Hamilton profile) cornice	m	294		
Carried to Collection				
Bill No. 9			R	
Ceilings Partitions And Access Flooring				

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BILL NO. 9

CEILINGS PARTITIONS AND ACCESS FLOORING
COLLECTION

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New Huku Police Station
Amount

Carried to Summary

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Bill No. 9

Ceilings Partitions And Access Flooring

Unit	Quantity	Rate	Amount
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BILL NO. 10**FLOOR COVERINGS**

NOTE : For all TRADE NAMES and the use of alternative items, refer to Section 3: Specific Preliminaries item C3

POLISH, SEALERS, ETC**Polish, Sealers, etc.**

- 1 Sikafloor®-CureHard-24 transparent surface hardener, dustproofer, sealing and curing compound for concrete colour Clear, applied in accordance with the manufacturer's instructions using a suitable spray equipment.

m²

169

Carried to Summary

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Bill No. 10

Floor Coverings

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BILL NO. 11**IRONMONGERY**

NOTE : For all TRADE NAMES and the use of alternative items, refer to Section 3: Specific Preliminaries item C3

SUPPLEMENTARY PREAMBLES**Finishes to ironmongery**

Where applicable finishes to ironmongery are indicated by suffixes in accordance with the following list: BS Satin bronze lacquered CH Chromium plated SC Satin chromium plated SE Silver enamelled GE Grey enamelled AS Anodised silver AB Anodised bronze AG Anodised gold ABL Anodised black PB Polished brass PL Polished and lacquered PT Epoxy coated SD Sanded

HINGES, BOLTS, ETC**Assa Abloy or similar and approved**

1	150mm Flush bolt Code AL8208-150AS ART 208C91 L	No	10
2	225mm Flush bolt Code AL8208-225AS ART 208C91 L	No	10

LOCKS**Assa Abloy or similar and approved**

3	Wc indicator bolt Code CZ80941SC	No	12
4	Wc indicator bolt Code 37651RH	No	1
5	Sliding door lock case Code L-24314-76	No	1
6	Indicator knob cylinder Code 2x815/H	No	1
7	Mortice latch Code 26310-76	No	1
8	Padlock 50mm ST MK1 (code UN33503031000000)	No	5
The following locks are to be suitable for master and grand master key operation			
9	Mortice sash lock Code L-2215-78SS/SL	No	50
10	Cylinder-profile lock Code 2x18SCGMK	No	53
11	Cylinder-profile lock Code 2x19SCGMK	No	3
12	Cylinder-profile lock Code 2x20SCGMK	No	11
13	Cylinder deadlock 323 code L-21315-76SS	No	12

Carried to Collection

Bill No. 11
Ironmongery

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		Unit	Quantity	Rate	Amount
14	Cylinder deadlock code L-2109-78SS	No	2		
15	Mortice deadlock code L-2113-76SS/SL	No	1		
16	Wc 314 deadlock 8mm Code 22314-76/8SS	No	1		
17	Narrow stile Euro profile upright cylinder deadlock Code QR35x85mm-SS	No	1		
18	Rebate conversion set Code 2915SC	No	9		
19	Master key	No	2		
20	Grand master key	No	1		
HANDLES					
<u>Assa Abloy or similar and approved</u>					
21	Pull handle on 150 x 75mm plate profile back to back Code SS6163 -05 SS	Pairs	11		
22	Pull Handle on 192 x 45mm backplate Code AL5D02 AS	Pairs	13		
23	Pull handle on 254 x 45mm backplate back to back Code AL5D06 AS	No	2		
24	Pull handle on 150x75mm plate profile Code SS6163-05 SS	Pairs	13		
25	Pull handle on 150x75mm plate profile Code SS6163-06 SS	Pairs	1		
26	Pull handle on 150 x 75mm plate profile Code SS5D63-06 SS	Pairs	6		
27	Pull handle on 150 x 150mm plate profile Code SS6166-05 SS	Pairs	4		
28	Pull handle on 150 x 150mm plate profile Code SS6166TR-73SS	No	1		
29	Pull handle on 150 x 75mm plate profile Code SS6166-05 SS	Pairs	7		
30	Pull handle on 150 x 45mm backplate back to back Code SS6145-05 SS	Pairs	2		
31	Pull handle on 245 x 76mm backplate with key hole cut Code AL5D/SP(3144)	Pairs	1		
32	Pull handle Code SS5206BB	Pairs	2		
33	Pull handle 350mm Code 5213BBSS	Pairs	1		
34	Dove pull handle on 150 x 150mm plate profile Code SS5D66L-05 SS	Pairs	5		
Carried to Collection					
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					LM 4M

		Unit	Quantity	Rate	Amount
35	Dove pull handle on 150 x 150mm plate profile Code SS5D66R-05 SS	No	5		
36	Padmini handle on SC backplate Code 6PDCY-05SC	No	19		
37	Escutcheon on rose Code SS5305-05 SS	No	8		
<u>PUSH PLATES AND KICKING PLATES</u>					
<u>Union or similar and approved</u>					
38	Stainless steel kick plate 300 x 800mm Code SS5089-300W	No	2		
39	1,2mm thick grade 430 Polished Stainless Steel sheets, screw fixed with Stainless Steel self-tapping screws, One sheet 900mm high and covering the full width of the door on one side, to be cut in corners and bent to cover the full bottom edge and both jamb edges of the door, The other sheet to be 900mm high and covering the full width of the other side of the door - door size 1360 x 2032mm high	No	1		
40	1,2mm thick grade 430 Polished Stainless Steel sheets, screw fixed with Stainless Steel self-tapping screws, One sheet 900mm high and covering the full width of the door on one side, to be cut in corners and bent to cover the full bottom edge and both jamb edges of the door, The other sheet to be 900mm high and covering the full width of the other side of the door - door size 813 x 2032mm high	No	7		
41	Genesis interior retro-fit stainless steel corner protector 1500mm long in Brushed Stainless Steel finish (code: EAS515.102), size 50 x 50mm, fixed to substrate with self-adhesive backing.	No	23		
<u>DOOR CLOSERS</u>					
<u>Assa Abloy or similar and approved</u>					
42	Door closer cam action Code DC500 EN1-4SIL	No	21		
43	Floor spring Code DC477HO	Pairs	2		
44	Floor spring Code PZ477HO	Pairs	2		
<u>LETTERS, NAMEPLATES, ETC</u>					
<u>Union</u>					
45	Male symbol Code SS5066-06SS E10	No	9		
46	Female symbol Code SS5066-06SS E11	No	9		
47	Kitchen symbol Code SS5066-06SS E02	No	4		
Carried to Collection				R	
Bill No. 11					126
Ironmongery					LM

		Unit	Quantity	Rate	Amount
48	Paraplegic symbol Code SS5066-06SS E14	No	1		
49	Cleaner symbol Code SS5066-06SS E17	No	1		
50	Electrical symbol Code SS5066-06SS E01	No	1		
	<u>DORMA or similar and approved</u>				
51	190 x 190mm Photo luminescent international fire extinguisher sign	No	5		
	<u>PELMETS AND CURTAIN TRACKS</u>				
	<u>Extravaganza or similar and approved</u>				
52	L-shaped hospital cubicle curtain track flush with ceiling soffit including 12 gliders per metre, hangers, brackets, stopped ends, etc plugged. With and including hospital curtain 2600mm high	m	5		
	<u>BATHROOM FITTINGS</u>				
	<u>'Cobra' or similar and approved</u>				
53	590mm Colette AC-0901-100 chromium plated towel rail with concealed wall mounting blocks	No	9		
	<u>'Bobric' series or similar and approved</u>				
54	Classic series B-2888 multi toilet roll dispenser	No	12		
55	Classic series B-262 paper towel dispenser	No	9		
56	Elan series B-715E Surface mounted hand dryer with automatic sensor	No	4		
	<u>'Railman Grabrails' or similar and approved</u>				
57	Paraplegic back rail 32mm diameter stainless steel Code SR2	No	1		
58	Grab rail 32mm diameter stainless steel Code DL2	No	1		
	<u>BLOCK OUT BLINDS</u>				
	<u>Aluvert with 'Ultra Glide' or similar and approved vertical blinds with 25 x 45mm aluminium rail to soffit of window and 90mm wide vertical louvres</u>				
59	Blind for window opening size 1200 x 600mm high (W1)	No	7		
60	Blind for window opening size 1500 x 1200mm high (W3)	No	14		
61	Blind for window opening size 1500 x 2100mm high (W4)	No	1		
62	Blind for window opening size 6000 x 1200mm high (W13)	No	1		
	Carried to Collection				
	Bill No. 11				
	Ironmongery				
				R	
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					SM

		Unit	Quantity	Rate	Amount
63	Blind for window opening size 2836 x 1200mm high (W11)	No	3		
64	Blind for window opening size 1200 x 1200mm high (W8a,W8b)	No	11		
65	Blind for window opening size 600 x 1200mm high (W9)	No	1		
66	Blind for window opening size 2276 x 1200mm high (W10)	No	1		
<u>SHELVES ETC</u>					
<u>'Symo' or similar and approved heavy duty shelving with standard epoxy powder coated finish (timber shelves elsewhere)</u>					
67	Single slot wall band plugged	m	11		
68	Double slot wall band plugged	m	154		
69	250 x 250mm Shelf bracket	No	110		
70	350 x 400mm Shelf bracket	No	290		
<u>WALL MOUNTED WRITING AND PINNING BOARDS</u>					
<u>'Continental Enamelling' type or similar and approved</u>					
71	1000 x 1000mm Conti-Standard non magnetic writing board complete with pen rail and edging	No	2		
72	1000 x 1500mm Conti-Standard pinning board complete with pen rail and edging	No	9		
<u>SUNDRIES</u>					
<u>Steel hose reel box</u>					
73	900mm (H) x 900mm (W) x 2mm thick wall mounted red powdercoated mild steel hose reel box with lockable door. (Hose reels included in the mechanical BOQ)	No	5		
<u>Lockable key box</u>					
74	Lockable Key box, size minimum 540mm (H) x 420mm (W) x 55mm (D) and manufactured from 1.2mm powder coated steel to hold 100 keys.	No	2		
75	Mutual Key Cabinet, size 364mm (H) x 344mm (W) x 120mm (D) steel plated 2mm Body and 4mm Door with digital electronic lock to hold 64 keys.	No	1		
<u>Assa Abloy or similar and approved</u>					
76	Stainless steel floor door stop Code 87001SS	No	141		
Carried to Collection				R	
Bill No. 11					
Ironmongery					

		Unit	Quantity	Rate	Amount
77	Hat and coat hook with buffer Code SS8025SS	No	15		
	<u>SIGNAGE (Provisional)</u>				
	<u>Door number sign size 90 x 30mm high of 3mm thick perspex or aluminium with engraving, 20mm high Arial black vinyl text numerals and letters on white background screwed to metal door frame with 15mm countersunk raised head chromium plated screws</u>				
78	Sign with two letters or numerals	No	22		
79	Sign with three letters or numerals	No	29		
	<u>Door room name signs to be clear anodised aluminium sign holder extrusion (clear cover - glossy/non glare) with grey plastic end caps, as per Vista System by E.G. Maud or similar and approved, including 23mm Arial black vinyl text numerals or letters on silver/grey background digitally printed and cut, plugged to wall or screwed to door with 15mm countersunk raised head chromium plated screws at each corner all as per manufacturer's instructions</u>				
80	400 X 80mm Sign fixed to door to read "SAP 13 STORE ROOM"	No	1		
81	400 x 80mm Sign fixed to door to read "CLEANING MATERIAL STORE"	No	1		
82	400 x 80mm Sign fixed to door to read "GENERAL STORE ROOM"	No	1		
83	400 x 80mm Sign fixed to door to read "TEMPORARY STORE ROOM"	No	1		
84	400 x 80mm Sign fixed to door to read "CHANGE ROOM FOR MEMBERS"	No	1		
85	400 X 80mm Sign fixed to door to read "KITCHEN"	No	1		
86	400 X 80mm Sign fixed to door to read "WEAPONS & AMO STORE"	No	1		
87	400 x 80mm Sign fixed to door to read "WEAPONS SAFE"	No	1		
88	400 X 80mm Sign fixed to door to read "AMO SAFE"	No	1		
89	400 X 80mm Sign fixed to door to read "VICTIM FRIENDLY WAITING AREA"	No	1		
90	400 x 80mm Sign fixed to door to read "VICTIM FRIENDLY ROOM"	No	1		
Carried to Collection				R	
Bill No. 11					129
Ironmongery					hkm
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		Unit	Quantity	Rate	Amount
91	400 X 80mm Sign fixed to door to read "SENSITIVE STATEMENT ROOM"	No	1		
92	400 X 80mm Sign fixed to door to read "CSC COMMANDER OFFICE"	No	1		
93	400 x 80mm Sign fixed to door to read "RADIO ROOM"	No	1		
94	400 X 80mm Sign fixed to door to read "CAS TERMINAL ROOM"	No	1		
95	400 X 80mm Sign fixed to door to read "MEMBERS SERVICE AREA"	No	1		
96	400 X 80mm Sign fixed to door to read "FRONT SERVICE AREA"	No	1		
97	400 x80mm Sign fixed to door to read "OFFICE 1"	No	1		
98	400 x 80mm Sign fixed to door to read "OFFICE 2"	No	1		
99	400 X 80mm Sign fixed to door to read "STATEMENTS ROOM"	No	1		
100	400 x80mm Sign fixed to door to read "CRIME ROOM"	No	1		
101	400 X 80mm Sign fixed to door to read "INVESTIGATOR 1"	No	1		
102	400 X 80mm Sign fixed to door to read "INVESTIGATOR 2"	No	1		
103	400 x80mm Sign fixed to door to read "KITCHEN"	No	1		
104	400 X 80mm Sign fixed to door to read "INVESTIGATOR 3"	No	1		
105	400 X 80mm Sign fixed to door to read "INVESTIGATOR 4"	No	1		
106	400 X 80mm Sign fixed to door to read "DETECTIVE COMMANDER"	No	1		
107	400 X 80mm Sign fixed to door to read "KITCHEN"	No	1		
108	400 X 80mm Sign fixed to door to read "OFFICE 3"	No	1		
109	400 X 80mm Sign fixed to door to read "STATION COMMANDER RECEPTION/WAITING AREA"	No	1		
110	400 X 80mm Sign fixed to door to read "STATION COMMANDER"	No	1		
111	400 x 80mm Sign fixed to door to read "OFFICE 4"	No	1		
112	400 X 80mm Sign fixed to door to read "CIAC OFFICE"	No	1		
Carried to Collection				R	
Bill No. 11					130
Ironmongery					hm
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		Unit	Quantity	Rate	Amount
113	400 X 80mm Sign fixed to door to read "FINANCE OFFICE"	No	1		
114	400 X 80mm Sign fixed to door to read "WALK-IN SAFE"	No	1		
115	400 X 80mm Sign fixed to door to read "STATIONARY ROOM"	No	1		
116	400 x 80mm Sign fixed to door to read "SERVER TELEPHONE POD ROOM"	No	1		
117	400 X 80mm Sign fixed to door to read "ADMIN OFFICE"	No	1		
118	400 X 80mm Sign fixed to door to read "LECTURE ROOM"	No	1		
119	400 x 80mm Sign fixed to door to read "KITCHEN"	No	1		
<u>Information signs to be horizontal landscape sign, clear anodised aluminium sign holder extrusion (clear cover - glossy/non glare) with matching clear anodised aluminium metal end caps, as per Vista System by E.G. Maud or similar and approved, including 50mm Arial white vinyl text numerals and letters digitally printed and cut, plugged to wall or screwed to door with 15mm countersunk raised head chromium plated screws at each corner all as per manufacturer's instructions</u>					
120	600 X 150mm Sign fixed to door to read "LECTURE ROOM"	No	2		
121	600 x 150mm Sign fixed to door to read "CELL VISITORS"	No	1		
122	600 X 150mm Sign fixed to door to read "VICTIM FRIENDLY ROOM"	No	1		
123	600 x 150mm Sign fixed to door to read "SAP 13 STORE"	No	1		
124	800 X 150mm Sign fixed to door to read "COMMUNITY SERVICE CENTRE" including 150 X 150mm SAPS logo to comply with SAPS specifications	No	1		
Carried to Collection				R	
Bill No. 11 Ironmongery					131 hm

		Unit	Quantity	Rate	Amount
	<u>Directory sign to be portrait sign, clear anodised aluminium single sign holder extrusion (clear cover-glossy non glare) with matching clear anodised aluminium metal end caps, as per Vista system by E.G. Maud or similar and approved, including 150 x 150mm SAPS logo, 23mm, 50mm and 80mm Arial white vinyl text numerals and letters digitally printed and cut on black background, plugged to wall with 15mm countersunk raised head chromium pited screws at each corner all as per manufacturer's instructions</u>				
125	8900 X 1200mm Sign fixed to wall to read DIRECTORY (80mm Arial), INVESTIGATION, COMMANDER, ADMINISTRATION, LECTURE ROOM, CELL BLOCK (50mm Arial) A18, A19, A20, A21, A22, A23, A25, A26, A27, A29, A31, A32, A33, A34, A37, A38, OFFICE 1, OFFICE 2, STATEMENTS, CRIME ROOM, INVESTIGATOR 1, INVESTIGATOR 2, INVESTIGATORS, INVESTIGATOR 4, DETECTIVE COMMANDER, OFFICE 3, STATION COMMANDER OFFICE, OFFICE 4, CIAC OFFICE, FINANCE OFFICE, SERVER ROOM, ADMIN OFFICE, VISITORS ROOM (23mm Arial)	No	1		
	<u>Double sided wall bracket toilet sign of clear anodised aluminium single sign holder extrusion (clear cover - glossy/non glare) with grey ABS end caps, as per Vista System by A.G. Maud or similar and approved, including digitally printed and cut logo, letters and symbols and black background</u>				
126	200 X 200mm Toilet sign with SAPS logo(colour), TOILETS and male and female symbols and fixing bracket to wall	No	1		
	<u>DORMA or similar and approved grade 304 stainless steel</u>				
127	150 X 150mm DSS-130 stainless steel with MALE engraving with countersunk fixing holes plugged and screwed with aluminium screws	No	4		
128	150 X 150mm DSS-131 stainless steel with FEMALE engraving with countersunk fixing holes plugged and screwed with aluminium screws	No	4		
129	150 X 150mm DSS-133 stainless steel with DISABLED engraving with countersunk fixing holes plugged and screwed with aluminium screws	No	1		
130	150 X 150mm DSS-135 stainless steel with TEA CUP engraving with countersunk fixing holes plugged and screwed with aluminium screws	No	4		
	Carried to Collection			R	
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		Unit	Quantity	Rate	Amount
<u>Progressive Signs or similar and approved photo-luminescent single sided fire and directional signs in natural anodised aluminium frame with ABS material plugged to wall or screwed to door with 15mm countersunk raised head chromium plated screws at each corner or suspended from ceiling including two chromium plated chains all as per manufacturer's specifications</u>					
131	380 X 190mm PLG 5 emergency exit route sign(right)	No	2		
132	380 X 190mm PLG 4 emergency exit route sign(left)	No	3		
133	380 X 190mm PLF 33 exit route sign	No	7		
134	380 X 190mm PLG 13 first aid kit sign	No	1		
135	380 X 190mm PLG 2 emergency exit route sign(straight)	No	1		
136	380 X 190mm PLF 11 emergency fire extinguisher and fire hose reel sign	No	3		
137	380 x 190mm PLF 2 emergency fire extinguisher sign	No	2		
138	380 X 190mm PLF 5 emergency fire hose reel sign to be secured with epoxy and tamper proof screws	No	1		
139	380 X 190mm PLF 39 electrical hazard door sign	No	1		
<u>Police Logo and Station Name Sign</u>					
140	4200 X 2865mm Sign formed of aluminium flat sheeting with 1100 X 1100 cast aluminium backing plate sprayed blue, cast aluminium SAPS star mounted on top of backing plate in bronze finish with cast bronze SAPS emblem, 150mm high Ariel text letters cut out of 3mm aluminium sheeting to read HUKU POLICE STATION; the lettering to be sprayed blue and fixed on pins and the sign plugged to wall	No	1		
<u>Welcome Board sign</u>					
141	2450 X 1220mm Sign formed of 1mm thick white chromadek sheets fixed back to back to steel framing (elsewhere measured) with SAPS emblem and Ariel text lettering to read WELCOME HUKU POLICE STATION (on both sides) all to SAPS specification and colour codes and lettering and emblem pop rivitted and silicone sealed to backing plates	No	1		
Carried to Collection				R	
Bill No. 11					133
Ironmongery					hm
65					SM

		Unit	Quantity	Rate	Amount
	<u>Batho Pele Sign</u>				
142	2450 X 1220mm Sign formed of 1mm thick white chromadek sheets fixed to steel framing (elsewhere measured) with Arial text lettering to read SOUTH AFRICAN POLICE SERVICE BATHO PELE PRINCIPLES (Principles numbered from 1 to 8 to be included) all to SAPS specification and colour codes and lettering and emblem pop rivitted and silicone sealed to backing plate	No	1		
	<u>Station Plaque Sign</u>				
143	600 X 400mm Sign formed of bronze plate with SAPS emblem and coat of arms and letters in New Times Roman text to read SOUTH AFRICAN POLICE SERVICE HUKU POLICE STATION WAS OFFICIALLY OPENED BY THE HONOURABLE MINISTER OF POLICE (include name of minister and date opened) and plaque fixed to wall	No	1		
	<u>Framing to signs</u>				
144	Excavate in earth not exceeding 2m deep for post bases	m ³	1		
145	Unreinforced concrete 25MPa/19mm in post bases	m ³	1		
146	50 X 50 X 1,8mm Mild steel hollow section post 3600mm long with top cap welded on, cast 500mm deep into post base and the posts with grey primer and two coats sprayed enamel paint	No	4		
147	50 X 25 X 1,8mm Mild steel hollow section framework welded to posts with 25 X 25mm hollow section supports welded to framework and finished with grey primer coat and two coats sprayed enamel paint, size 2450 x 1220mm	No	2		
	Carried to Collection			R	
	Bill No. 11 Ironmongery				134 Lan SM

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Ironmongery

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LM

SN

	Unit	Quantity	Rate	Amount
<u>BILL NO. 12</u>				
<u>METALWORK</u>				
NOTE : For all TRADE NAMES and the use of alternative items, refer to Section 3: Specific Preliminaries item C3				
<u>SUPPLEMENTARY PREAMBLES</u>				
<u>Descriptions</u>				
Descriptions of bolts shall be deemed to include nuts and washers				
Descriptions of expansion anchors and bolts and chemical anchors and bolts shall be deemed to include nuts, washers and mortices in brickwork or concrete				
Metalwork described as 'holed for bolt(s)' shall be deemed to exclude the bolts unless otherwise described				
<u>SUNDRY STEELWORK</u>				
<u>Framed brackets to vanity tops, cupboards, etc</u>				
1	Kg	205		
50 x 50 x 3mm Angle section brackets plugged				
2	Kg	115		
30 x 30 x 3mm Angle section brackets plugged				
3	Kg	22		
20 x 20 x 3mm Angle section brackets plugged				
<u>Welded frame brackets for wood benches</u>				
4	Kg	45		
50 x 50 x 1,2mm Hollow section				
5	Kg	11		
30 x 30 x 3mm Angle section				
6	Kg	30		
50 x 50 x 3mm Angle section plugged				
<u>GALVANISED WELDED SCREENS, GATES, ETC</u>				
NOTE : Refer to Architect's detail drawings				
All work according to the latest 'FIVE STAR SPECIFICATION OF SAPS'				
<u>Welded security window screens</u>				
Suppliers :				
Techniweld Engineering.				
Contact Person: Neels Pieterse				
Contact Details: 082 784 2464 / 015 491 2638				
Email: techniweld@telkomsa.net				
Yebo Windows and Doors.				
Contact Person: Johan Kilian				
Carried to Collection			R	
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Metalwork				hm

		Unit	Quantity	Rate	Amount
Contact Details: 012 333 6689 / 083 463 1153					
Email: yebo@mweb.co.za					
7	Fixed screen 581 x 893mm high of 40 x 40 x 5mm angle section frame, 40 x 5mm vertical and horizontal transomes in eight fixed sections. Six panels covered with Flatex 345 expanded metal	No	4		
8	Fixed screen 793 x 893mm high of 40 x 40 x 5mm angle section frame, 40 x 5mm vertical and horizontal transomes in eight fixed sections. Six panels covered with Flatex 345 expanded metal	No	38		
9	Hinged screen with frame 808 x 1100mm high overall. Frame 50 x 50 x 5mm angle section with heavy duty hinges. Screen size 708 x 1000mm high of 40 x 40 x 5mm frame in four sections and 40 x 5mm flat section vertical and horizontal transomes. Covered with Flatex 345 expanded metal and two 40 x 5mm lugs holed for padlocks.	No	4		
10	Hinged screen with frame 1020 x 1100mm high overall. Frame 50 x 50 x 5mm angle section with heavy duty hinges. Screen size 920 x 1000mm high of 40 x 40 x 5mm frame in four sections and 40 x 5mm flat section vertical and horizontal transomes. Covered with Flatex 345 expanded metal and two 40 x 5mm lugs holed for padlocks.	No	38		
11	6mm Diameter x 70mm rawl bolts to brickwork or concrete. Spot welded to steel	No	756		
<u>Welded cell trellis wall</u>					
12	100 x 100 x 4mm Thick hollow section frames	Kg	94		
13	50 x 50 x 4mm Thick hollow section frames	Kg	131		
14	16mm Diameter rods filled in	Kg	134		
15	25 x 2mm Thick fixing lugs cast into concrete	Kg	2		
<u>Welded screen at guards office</u>					
16	6 x 50mm Flat section stiffeners	Kg	37		
17	10 x 50mm Flat section lugs cast in concrete	Kg	22		
18	12mm Diameter bars	Kg	89		
19	50 x 50 x 3mm Hollow section frame	Kg	131		
Carried to Collection				R	
Bill No. 12					137
Metalwork					LM

		Unit	Quantity	Rate	Amount
<u>Welded screens at courtyard</u>					
20	Fixed mesh screen 270 x 1785mm high with 40 x 40 x 3mm angle section frame, with six 3 x 40mm flat bar lugs 180mm long built into brickwork 150mm deep. Covered with 2mm thick Flatex mesh 10mm diameter perforated at 26mm centres both directions.	No	8		
<u>Welded cell doors and gates</u>					
21	Door (D2) with frame size 1018 x 2020mm high overall. Frame of 50 x 50 x 6mm angle section built into concrete or brickwork with twelve 25 x 2mm flat section lugs 200mm long. Two type A and one type B hinges. Door size 894 x 1966mm high of 50 x 50 x 6mm hollow section frame and four transoms. Covered with 2mm thick plate both sides with 6,4 x 16mm bolts at 120mm centres. With and including lock box and bow handle, all as per detail POL 2012	No	6		
22	Door (D1) with frame size 1208 x 2020mm high overall. Frame of 50 x 50 x 6mm angle section built into concrete or brickwork with twelve 25 x 2mm flat section lugs 200mm long. Two type A and one type B hinges. Door size 1084 x 1966mm high of 50 x 50 x 6mm hollow section frame and four transoms. Covered with 2mm thick plate both sides with 6,4 x 16mm bolts at 120mm centres. With and including lock box and bow handle. Peep hole size 50 x 250mm covered with expanded metal mesh Ref 345. All as per detail POL 2012	No	3		
23	Gate (D3) with frame size 1018 x 2020mm high overall. Frame of 50 x 50 x 6mm angle section built into concrete or brickwork with twelve 25 x 2mm flat section lugs 200mm long. Two type A and one type B hinges. Gate size 894 x 1966mm high of 50 x 50 x 6mm hollow section frame and four transoms filled in with 16mm diameter rods at 80mm centres. Lock box. All as per detail POL 2012	No	9		
24	Gate (D3/1) with frame size 1208 x 2020mm high overall. Frame of 50 x 50 x 6mm angle section built into concrete or brickwork with twelve 25 x 2mm flat section lugs 200mm long. Two type A and one type B hinges. Gate size 1084 x 1966mm high of 50 x 50 x 6mm hollow section frame and four transoms filled in with 16mm diameter rods at 80mm centres. Lock box. All as per detail POL 2012	No	2		
Carried to Collection				R	
Bill No. 12 Metalwork					138 Lan

		Unit	Quantity	Rate	Amount
<u>Welded doors and gates</u>					
25	Door 44 x 805 x 900mm high of 40 x 40 x 2mm hollow section frame covered with 2mm plate both sides hung to standard rebated door frame (door frame elsewhere) (D22)	No	1		
26	Gate (D9/1) with frame size 880 x 1700mm high overall. Frame of 50 x 50 x 2mm hollow section built into concrete or brickwork with ten 25 x 2mm flat section lugs 200mm long. 19mm Diameter x 2mm x 200mm long hollow sections to form two hinges. Door of 40 x 40 x 2mm hollow section frame with one horizontal transome of 2mm plate x 110mm wide. Two sections filled in with Flatex Ref 345 expanded metal mesh. Beaded both sides all round with 12 x 12mm square bar. With and including 10mm Round bar, twice bent x 200mm girth, handle.	No	2		
27	Gate (D9) with frame size 880 x 2100mm high overall. Frame of 50 x 50 x 2mm hollow section built into concrete or brickwork with twelve 25 x 2mm flat section lugs 200mm long. 19mm Diameter x 2mm x 200mm long hollow sections to form two hinges. Door of 40 x 40 x 2mm hollow section frame with one horizontal transome of 2mm plate x 110mm wide. Two sections filled in with Flatex Ref 345 expanded metal mesh. Beaded both sides all round with 12 x 12mm square bar. With and including 10mm Round bar, twice bent x 200mm girth, handle.	No	4		
28	Gate (D21) with frame size 1040 x 2610mm high overall. Frame of 50 x 50 x 3mm hollow section fixed to brickwork or concrete with 6 x 75mm rawlbolts at 400mm centres. 19mm Diameter x 2mm x 200mm long hollow sections to form two hinges. Door of 40 x 40 x 3mm hollow section frame filled in with Flatex Ref 345 expanded metal mesh. Beaded both sides all round with 12 x 12mm square bar. With and including 10mm Round bar, twice bent x 200mm girth, handle. Brackets for padlock. (padlock elsewhere)	No	1		
Carried to Collection				R	
Bill No. 12 Metalwork					139
71					LM 5m

		Unit	Quantity	Rate	Amount
29	Gate (D20) with frame size 2435 x 2610mm high overall. One fanlight 390mm high and two sidelights. Frame of 50 x 50 x 3mm hollow section fixed to brickwork or concrete with 6 x 75mm rawlbolts at 400mm centres. 19mm Diameter x 2mm x 200mm long hollow sections to form two hinges. Door of 40 x 40 x 3mm hollow section frame. Door, toplight and two sidelights filled in with Flatex Ref 345 expanded metal mesh. Beaded both sides all round with 12 x 12mm square bar. With and including 10mm Round bar, twice bent x 200mm girth, handle. Brackets for padlock. (padlock elsewhere). Barrel bolt and keep	No	1		
30	Double gate (D7) with frame size 4250 x 3035mm high overall in two equal leaves. Frame of 100 x 100 x 5mm hollow section built into concrete or brickwork with twelve 25 x 2mm flat section lugs 200mm long. Six cell type 4 hinges. Each door of 100 x 50 x 3mm hollow section frame with two horizontal and one vertical transoms. Two top sections covered with Flatex 345 expanded metal and four sections, each section filled in with 2mm thick plate and 12 x 12mm square bar beading both sides. Two heavy duty barrel bolts with keep	No	1		
31	Double gate (D18) with frame size 4500 x 2440mm high overall. Double door in two equal leaves with two sidelights. Frame of 100 x 100 x 5mm hollow section built into concrete or brickwork with twelve 25 x 2mm flat section lugs 200mm long. Each door and sidelight of 100 x 50 x 3mm hollow section frame in two sections with one horizontal transom. All sections filled in with Flatex Ref 345 expanded metal welded between two 30 x 30 x 3mm angle section beads. Six hinges of 19mm diameter x 2mm thick hollow sections each 300mm long. Four heavy duty barrel bolts with keeps and brackets for padlock (padlock elsewhere)	No	2		
<u>SUNDRY GALVANISED STEELWORK</u>					
<u>WELDED SCREENS, GATES, ETC</u>					
<u>Framed and welded hot dipped galvanised mild steel mesh screens to Service Ducts, Courtyards and secure passge area including all necessary angle and T-intersections</u>					
32	'Screenex' pre-galvanised carbon hardened woven steel mesh formed of 12x12x4.8mm thick SW woven mesh or Betafence 358 doubleskin Zincalu steel mesh fixed into framing(elsewhere) with angle section and T-section fixing strips(elsewhere)	m ²	98		
Carried to Collection				R	
Bill No. 12 Metalwork					140 ham SM

		Unit	Quantity	Rate	Amount
33	3mm Thick solid steel plate welded on to mesh(elsewhere)	Kg	451		
34	IPE 254 x 146 x 31kg/m support beams welded on to brackets(elsewhere)	Kg	223		
35	IPE 200 x 100 x 22kg/m support beams welded on to brackets (elsewhere)	Kg	293		
36	50 x 50 x 5mm Angle section framing welded on	Kg	1 135		
37	40 x 40 x 3mm angle section fixing strips welded on	Kg	554		
38	40 x 40 x 3mm T-section fixing strips welded on	Kg	140		
39	150 x 150 x 10mm Angle section support brackets in short lengths bolted to walls(bolts and holes for bolts elsewhere)	Kg	688		
40	90 x 90 x 6mm angle section support brackets in short lengths bolted to walls(boltes and holes for bolts elsewhere)	Kg	338		
41	Hole through 6mm steel for bolt(elsewhere)	No	418		
42	Hole through 10mm steel for bolt(elsewhere)	No	168		
43	M10 'Hilti HVA' or other approved adhesive anchors	No	586		
<u>Roof truss feature detail</u>					
44	100 x 100 x 4mm Square hollow section framing	m	2		
45	75 x 50 x 4,5mm Angle section bracket 100mm long bolted to steel	No	8		
46	300 x 300 x 6mm Flat section plate bolted to concrete	No	8		
<u>Welded wash lines</u>					
47	50 x 50 x 3mm Angle section framing fixed to brickwork	Kg	8		
48	10mm Diameter rods	Kg	5		
<u>PRESSED STEEL DOOR FRAMES</u>					
<u>1,6mm Double rebated frames suitable for 110mm brick walls</u>					
49	Frame for door 813 x 2032mm high	No	53		
50	Frame for double door 1612 x 2044mm high	No	1		
<u>1,6mm Double rebated frames suitable for one brick walls</u>					
51	Frame for door 813 x 2032mm high	No	19		
Carried to Collection				R	
Bill No. 12					
Metalwork					

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SM

		Unit	Quantity	Rate	Amount
52	Frame for door 1036 x 2032mm high	No	1		
53	Frame for door 1200 x 2032mm high	No	3		
54	Frame for double door 1575 x 2032mm high	No	5		
<u>PRESSED STEEL TRANSFORMER ROOM DOORS AND FRAMES</u>					
55	Double door 2514 x 2237mm high overall with each leaf with 900 x 800mm high louvred ventilation panel and double rebated frame suitable for 220mm wall (D8)	No	1		
All in accordance to the latest Five Star Specifications of SAPS					
<u>STEEL LOUVRES</u>					
56	Purpose made fixed steel louvre unit to suit opening 900 x 2100mm high (W16)	No	1		
<u>GALVANISED STEEL WINDOWS, DOORS, ETC</u>					
<u>Purpose made prison cell type windows cast into concrete (Concrete and glazing elsewhere measured)</u>					
Suppliers :					
Techniweld Engineering.					
Contact Person: Neels Pieterse					
Contact Details: 082 784 2464 / 015 491 2638					
Email: techniweld@telkomsa.net					
Yebo Windows and Doors.					
Contact Person: Johan Kilian					
Contact Details: 012 333 6689 / 083 463 1153					
Email: yebo@mweb.co.za					
57	Window cell type 638 x 1000mm high with one fixed section and two side opening sections with four 30 x 16mm Manganese Grade SS14/7 or Creusabro 8000 (water lazer) lugs built in (W7d)	No	4		
58	Window cell type 850 x 1000mm high with two fixed sections and two side opening sections with six 30 x 16mm Manganese Grade SS14/7 or Creusabro 8000 (water lazer) lugs built in 150mm deep (W7a,W7b,W7c)	No	38		
Carried to Collection				R	
Bill No. 12					
Metalwork					

		Unit	Quantity	Rate	Amount
59	Window 700 x 1000mm high of 150 x 50 x 2,5mm channel frame lined with two perforated steel sheet linings to take glazing (glazing elsewhere). Lining sheet 2mm thick x 130mm girth and twice bent, perforated 4mm diameter holes at 8mm pitch. The two linings to be 6mm pop riveted at 150mm centres to frame. Frame filled in with 16mm diameter mild steel vertical bars welded in at 80mm centres (W15) (Refer to Architects's drawings)	No	2		
60	8mm Diameter expansion bolts to brickwork	No	20		
<u>ALUMINIUM WINDOWS, DOORS, ETC</u>					
NOTE: All glazing to comply with Part N of the N.B.R. SABS 10137 SABS 10400, SABS 1263 and AAMSA SELECTION GUIDE FOR SAFETY GLAZING MATERIALS					
All materials and workmanship as per AAAMSA Category 2 BS1474 Powder coating to be to SABS 1578 with minimum 10 year guarantee against peeling and discoloration All in accordance with SABS ISO 9002 All as per Architect's drawings					
<u>Purpose made white epoxy powder coated aluminium windows and doors complete with sub-frames, fixed in brick openings, windows glazed with clear glass 4mm thick (unless otherwise stated) and fitted with concealed friction stays and handle and wedge fasteners. Doors glazed with 6,4mm thick clear laminated safety glass. Sealed with polysulphide sealant and plugged to brickwork, concrete or steel</u>					
61	Window (W2) to suit opening 600 x 600mm high overall in one top hung opening section	No	1		
62	Window (W9) to suit opening 600 x 1200mm high overall in two top hung opening sections	No	2		
63	Window (W17) to suit opening 900 x 900mm high overall in one fixed section	No	6		
64	Window (W14) to suit opening 900 x 1000mm high overall in one fixed section filled in with 6,4mm clear laminated safety glass	No	1		
65	Window (W3) to suit opening 1500 x 1200mm high overall in one fixed section and two top hung opening sections	No	19		
66	Window (W5) to suit opening 900 x 900mm high overall in one fixed section and one top hung opening section	No	1		
Carried to Collection				R	
Bill No. 12 Metalwork					143 ham

		Unit	Quantity	Rate	Amount
67	Window (W6) to suit opening 3600 x 1200mm high overall in two fixed sections and four top hung opening sections	No	1		
68	Window (W8) to suit opening 1200 x 1200mm high overall in one fixed section and two top hung opening sections	No	14		
69	Window (W13) to suit opening 6000 x 1200mm high overall in four fixed sections and eight top hung opening sections	No	1		
70	Window (W10) to suit corner opening 2276 x 1200mm high overall in two fixed sections (mitred and butted corner glass joint 1200mm high) and two top hung opening sections. 5mm Clear safety glass to two corner panels with clear vertical glass butt joint	No	1		
71	Window (W11) to suit corner opening 2836 x 1200mm high overall in two fixed sections (mitred and butted vertical corner glass joint 1200mm high) and four top hung opening sections. 5mm Clear safety glass to two corner panels	No	3		
72	Double door with frame size 1700 x 2085mm high. All four panes filled in with 6,4mm clear laminated safety glass (D14) (Ironmongery elsewhere)	No	1		
73	Shopfront with single door 900 x 2100 and sidelight 600 x 2100mm, size 1500 x 2100mm high overall. Sidelight of two top hung opening sections and one fixed section (W4) (Ironmongery elsewhere)	No	1		
74	Standard Aluminium 3 panel folding door (D25), each door consisting of 2 x Glass panels each, white powdercoated, with and including Hillaldam Coburn Systems Foldaside 235 sliding and folding door hardware comprising 235 top track and pivots, 235TP hangers, 19LA aluminium bottom channel blocked for guide pivot, 235/19 guide pivot, for 3 (3 left opening) interior top hung sliding and folding aluminium commercial doors not exceeding 2700mm high and 44mm thick, each leaf not exceeding 50kg and not exceeding 900mm wide, with 3 doors each leaf size 780 wide x 2100 high, fixed inside jambs of opening with swing door, hinges and hardware supplied with door.	No	1		
75	Shopfront (W12) to suit corner opening 5216 x 2100mm high overall in twelve fixed sections (mitred and butted vertical corner glass joints, one 900mm and one 1200mm high) and four top hung opening sections. 5mm Thick clear safety glass to four corner panes	No	1		
Carried to Collection				R	
Bill No. 12 Metalwork					144 ham

		Unit	Quantity	Rate	Amount
	<u>Purpose made white epoxy powder coated aluminium windows complete with sub-frames, fixed in brick openings, glazed with frosted glass 4mm thick and fitted with concealed friction stays and handle and wedge fasteners. Sealed with polysulphide sealant and plugged to brickwork, concrete or steel</u>				
76	Window (W2) to suit opening 600 x 600mm high overall in one top hung opening section	No	10		
77	Window (W5) to suit opening 900 x 900mm high overall in one fixed section and one top hung opening section	No	1		
78	Window (W1) to suit opening 1200 x 600mm high overall in two top hung opening sections	No	7		
	<u>ALUMINIUM LOUVRE UNITS</u>				
	<u>Horizontal louvre units</u>				
79	Natural anodised louvre 350 x 350mm in timber doors	No	8		
	<u>STEEL STRONGROOM DOORS, VENTILATORS, ETC</u>				
80	Double ended strongroom ventilator	No	6		
81	'MUTUAL' DS50/1 SABS CAT 1 (Light Duty) or similar and approved strongroom door with frame, all of 6mm thick(minimum) steel finished with Grey zinc chromate rust resistant primer, mass 460kg, with one-way moving boltwork with 3 x 250mm round bolts with rebate on hinged side with 2 x 7-lever keylock, 1 x combination lock, inner release mechanism and wall mounted door stop, all to fit wall opening of 1940 x 830mm wide. (D16)	No	1		
82	'MUTUAL' DS50/2 SABS CAT 2 (Light Duty) or similar and approved strongroom door with frame, all of 6mm thick(minimum) steel finished with Grey zinc chromate rust resistant primer, mass 460kg, with one-way moving boltwork with 3 x 250mm round bolts with rebate on hinged side with 2 x 7-lever keylock, 1 x combination lock, inner release mechanism and wall mounted door stop, all to fit wall opening of 1940 x 830mm wide.	No	2		
	<u>ALUMINIUM ROLLER SHUTTERS ETC</u>				
	<u>Epoxy white powdered coated roller shutter doors including all movement gear</u>				
83	Manually operated door for opening 1800 x 2125mm high (D16)	No	1		
	Carried to Collection			R	
Bill No. 12					145
Metalwork					Km

		Unit	Quantity	Rate	Amount
<u>SUNDRY STAINLESS STEELWORK</u>					
<u>Welded hand cuff rail at cell admittance</u>					
84	30mm Diameter x 2mm thick hollow section Grade 304 continious rail	m	6		
85	150 x 150 x 6mm Thick plate with 20mm diameter x 20mm long bar four times holed for 10mm bolts	No	7		
86	10mm Diameter x 75mm chemical anchor bolts to brickwork or concrete	No	28		
<u>SHOWER CUBICLES. PANELS AND DOORS</u>					
<u>White Epoxy powder coated aluminium shower cubicle panels and doors with frames, sliding gear, pivot hinges, cleats, stops, etc. and 6mm frosted laminated safety glass plugged to tiled walls and sealed with silicone sealant.</u>					
87	Pivot door 900 x 1930mm high	No	2		
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BILL NO. 13**PLASTERING**

NOTE : For all TRADE NAMES and the use of alternative items, refer to Section 3: Specific Preliminaries item C3

SCREEDS**3:1 Cement plaster screeds steel trowelled on concrete**

1	30mm Thick on floors and landings	m ²	716	
2	35mm Thick on ramps	m ²	3	
3	Average 50mm thick on concrete roofs to falls and currents	m ²	68	

GRANOLITHIC**Untinted granolithic on concrete**

4	30mm Thick on floors and landings	m ²	453	
5	15mm Thick on top and sides of counters, seats, etc	m ²	25	
6	100mm High coved skirting	m	251	
7	250mm High coved skirting	m	155	

SPECIALIST EPOXY FLOOR FINISHES

All specialist floor coverings are to be executed in strict accordance with the manufacturer's instructions

0.5mm Thick 'Flowcrete Flowcoat SF41' or similar approved beige/lightgrey epoxy resin bonded coating

8	On cement or granolithic screads	m ²	136	
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0.5mm Thick 'Flowcrete Flowfresh SR Ultra' or similar approved beige/lightgrey polyurethane resin bonded coating

9	On cement or granolithic screads	m ²	19	
10	25 x 75mm 'Flowtex F1' Coving	m	251	

INTERNAL PLASTER**Two coat plaster with gypsum finish on brickwork**

11	On vertical surfaces	m ²	1 969	
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ham

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