


ARCHITECTURAL FLOOR FINISHES

CODE	SERIES	FINISHES	SIZE
N-CT (Non-slip)	Porcelaine	Matt	300 x 300
N-CT1	Porcelaine	Matt	300 x 300
CTOP	Cement render		
CTOP1	Concrete topping with floor hardener & epoxy coating		
N-CT2	Porcelaine	Matt	600 x 600
N-CT3	Wood Grain		300 x 900
N-CT4	Non- slip Chemical resistance tile		300 x 300
C-TOP2	Concrete topping with floor hardener		
MT	300 x 300mm Mosaic tiles		

EXTERNAL

IP	Interlocking paver
CIM	Concrete imprint

ARCHITECTURAL WALL TYPE

BW1	150mm thk. brickwall with 20mm thk. cement plaster on both side
BW1a	150mm thk. brickwall with 300mm upstand beam & 20mm thk. cement plaster on both side
BW2	230mm thk. brickwall with 20mm thk. cement plaster on both side
BW2a	230mm thk. brickwall with 300mm upstand beam & 20mm thk. cement plaster on both side
PT	100mm thk. Drywall partition with painted on both side to manuf's detail
RC1	250mm RC wall with 5mm thk. Skim coat
	2 hour fire rated brickwall with 20mm cement plaster on both sides up to soffit slab

ARCHITECTURAL WALL FINISH

P	Emulsion paint on cement plaster
P1	Cement plaster finish only
P2	3 coats of emulsion paint finish only.
TDF	300 x 300mm glazed ceramic wall tiles to above ceiling height
M-CT	300 x 300mm homo.tile matt finish to 3 meter height
A	Acoustic treatment panels
M-WT	300 x 300mm mosaic wall tiles

CEILING FINISHES

CODE	SPECIFICATION
AG	600mm x 1200mm x 15mm THK. USG BORAL MINERAL FIBRE BOARD (PATTERN : RADAR /IMPRESSION/ PINPER CLIMAPLUS) COME WITH USG DON MAIN TEE SYSTEM SUSPENDED BY BORAL 3MM DIAMETER ROD WITH BORAL ADJUSTABLE BUTTERFLY CLIP.
G	9.5MM THK. BORAL UNISPAN GYPSUM BOARD WITH STAGGERED JOINT SCREW FIX ON TO RONDO KEYLOCK SYSTEM. BOARD JOINT TO BE FLUSH FINISHED WITH 50MM WIDTH BORAL PERFORATED PAPER TAPE & BORAL JOINTING COMPOUND.
C	9.5MM THK. BORAL WETSTOP GYPSUM BOARD WITH STAGGERED JOINT SCREW FIX ON TO RONDO KEYLOCK SYSTEM. BOARD JOINT TO BE FLUSH FINISHED WITH 50MM WIDTH BORAL PERFORATED PAPER TAPE & BORAL JOINTING COMPOUND.
C3	600mm x 1200mm x 9.5mm THK. USG BORAL WETSTOP SEMI-EXTERNAL CONCEALED GYPSUM BOARD WITH STAGGERED JOINT SCREW FIX INTO RONDO ZINCALUME COATED STEEL SYSTEM (TO WINDSTAND UPLIFT OF WIND LOAD) BOARD JOINT TO BE FLUSH FINISHED WITH 50MM WIDTH BORAL PERFORATED PAPER TAPE BORAL JOINTING COMPOUND.
SC	1200 x 300 PERFORATED ALUMINIUM PANEL (random lay pattern).
FR	BORAL 2 HOUR FIRE RATED SUSPENDED CEILING SYSTEM COMPRISING OF 2 LAYERS OF 16MM THICK BORAL FIRE STOP PLASTERBOARD WITH STAGGERED JOINTS AS CENTER CORE SCREW FIXED ONTO RONDO ZINCALUME COATED KEYLOCK STEEL CEILING SYSTEM(TOP CROSS RAIL (P/N: 128) AT 900MM C/C, FURRING CHANNEL (P/N: 129) AT 600MM C/C ; ADJUSTABLE SUSPENSION CLIP(P/N: 2534) AND RONDO SUSPENSION ANGLE BRACKET(P/N: 274) FASTEN TO ROOF PURLIN USING METAL TEKS SCREWS) OR RONDO AND ALSO SUSPENDED BY 5MM HANGER RODS.

SC1	600mm x 600mm ALUMINIUM CLIP-IN NON-PERFORATED CEILING PANEL WITH ALUMINIUM GRID SUSPENSION SYSTEM.
C2	600mm x 1200mm x 9.5mm THK. USG BORAL VINYL LAMINATED GYPSUM BOARD (PATTERN : CAPRICORN/AQUARIUS/TAURUS) COME WITH BORAL MAIN TEE SYSTEM SUSPENDED BY BORAL 3MM DIAMETER ROD WITH BORAL ADJUSTABLE BUTTERFLY CLIP.
SC2	POWDER COATED METAL WITH ALUMINIUM STRIP CEILING.
	SKIM COAT WITH PAINT FINISH.
G1	12.5MM THK. BORAL ECHOSTOP SOUND ABSORTION GYPSUM BOARD AS CENTRE CORE AND 12.5MM BORAL STANDARD CORE AS BORDER WITH STAGGERED JOINT SCREW FIX ON TO RONDO KEYLOCK SYSTEM. 50MM THICK ROCKWOOL INSULATION (DENSITY 80KG/M3) LAY ON TOP PLASTERBOARD. BOARD JOINT TO BE FLUSH FINISHED WITH 50MM WIDTH BORAL PERFORATED PAPER TAPE & BORAL JOINTING COMPOUND
G2	2 LAYERS OF 12.5MM THK. BORAL STANDARD CORE AS SOUND INSULATION CEILING SYSTEM WITH STAGGERED JOINT SCREW FIX ON TO RONDO KEYLOCK SYSTEM. 50MM THICK BORAL SOUNDBLOCK GLASSWOOL INSULATION (DENSITY 14KG/M3) LAY ON TOP PF PLASTERBOARD. BOARD JOINT TO BE FLUSH FINISHED WITH 50MM WIDTH BORAL PERFORATED PAPER TAPE & BORAL JOINTING COMPOUND.
AG1	600mm x 1200mm x 16mm THK. USG BORAL MINERAL FIBRE BOARD (PATTERN : RADAR /IMPRESSION/ PINPER CLIMAPLUS) BOARD EDGE : FINE LINE BEVEL (FLB) COME WITH USG DON MAIN TEE SYSTEM SUSPENDED BY BORAL 3MM DIAMETER ROD WITH BORAL ADJUSTABLE BUTTERFLY CLIP.

Wall Cladding & Facade Features

Roofing System

1	KAWA NS Standing Seam 0.80mm thk Aluminium in PVDF based paint system 'Metallic Silver' roofing sheet c/w G.I. Clip at 1200mm c/c as manufacturer's detail
2	KaWa R700 0.42mm BST Zinalume® metal liner fixed to steel purlins (by others) inclusive 0.8mm thk G.I. Strip at 600 c/c

Flashing & Capping

3	KAWA 0.80mm thk Aluminium in PVDF based paint system 'Metallic Silver' Detail 2 & Detail 6 Flashing n.e. 450mm girth
4	~Ditto~ Detail 3 Flashing n.e. 600mm girth
5	~Ditto~ Detail 4 Flashing n.e. 300mm girth
6	~Ditto~ Detail 7 Flashing n.e. 600mm girth
7	~Ditto~ Detail 5 (Dripper) Flashing n.e. 450mm girth

Flashing & Capping (rate)

8	KaWa 0.80mm thk Aluminium in PVDF based paint system 'Metallic Silver' Flashing / Capping n.e. 600mm girth
9	~Ditto~ n.e. 450mm girth
10	~Ditto~ n.e. 300mm girth
11	~Ditto~ n.e. 150mm girth

General Roof (Option 2)

Roofing System

1	KAWA R760 Screw Fixing 0.42mm BST Primamaju™ 'Cream' (SRI 79) metal roofing sheet fixed to purlin (by others)
---	--

Flashing & Capping

2	KaWa 0.42mm BST Primamaju™ 'Cream' Barge Flashing n.e. 450mm girth
3	~Ditto~ Eave Flashing n.e. 300mm girth
4	~Ditto~ Ridge Flashing n.e. 600mm girth
5	~Ditto~ Hip Flashing n.e. 450mm girth
6	~Ditto~ Longitudinal/Transerve Flashing n.e. 150mm girth
7	~Ditto~ Longitudinal/Transerve Flashing n.e. 150mm girth c/w cutting groove and silicone sealant
	<u>Flashing & Capping (rate)</u>
8	KaWa 0.42mm BST Primamaju™ 'Cream' Flashing / Capping n.e. 900mm girth
9	~Ditto~ n.e. 600mm girth
10	~Ditto~ n.e. 450mm girth
11	~Ditto~ n.e. 300mm girth
12	~Ditto~ n.e. 225mm girth
13	~Ditto~ n.e. 150mm girth

Multipurpose Hall Roof (Option 2)**Roofing System**

1	KAWA R760 Screw Fixing 0.42mm BST Primamaju™ 'Cream' (SRI 79) metal roofing sheet fixed to purlin (by others)
2	One sided aluminium foil
3	75mm thk 60kg/m3 density Rockwool
4	KAWA R760 Screw Fixing 0.42mm BST Zinalume® metal liner inclusive 1.20mm thk. G.I Zed Spacer/bracket install to steel purlins at 1200mm c/c (by others)
	<u>Flashing & Capping</u>
5	KaWa 0.42mm BST Primamaju™ 'Cream' Ridge Flashing n.e. 600mm girth
6	~Ditto~ Longitudinal/Transerve Flashing n.e. 150mm girth
7	~Ditto~ Longitudinal/Transerve Flashing n.e. 150mm girth c/w cutting groove and silicone sealant

Flashing & Capping (rate)

8	KaWa 0.42mm BST Primamaju™ 'Cream' Flashing / Capping n.e. 900mm girth
9	~Ditto~ n.e. 600mm girth
10	~Ditto~ n.e. 450mm girth
11	~Ditto~ n.e. 300mm girth
12	~Ditto~ n.e. 225mm girth
13	~Ditto~ n.e. 150mm girth

Canopy & Walkway (Option 2)**Roofing System**

1	KAWA R760 Screw Fixing 0.42mm BST Primamaju™ 'Cream' (SRI 79) metal roofing sheet fixed to purlin (by others)
---	--

Flashing & Capping

2	KaWa 0.42mm BST Primamaju™ 'Cream' Barge Flashing n.e. 450mm girth
3	~Ditto~ End Flashing n.e. 450mm girth
4	~Ditto~ Eave Flashing n.e. 300mm girth
5	~Ditto~ Hip Flashing n.e. 450mm girth
6	~Ditto~ Longitudinal/Transerve Flashing n.e. 150mm girth
7	~Ditto~ Longitudinal/Transerve Flashing n.e. 150mm girth c/w cutting groove and silicone sealant

Flashing & Capping (rate)

8	KaWa 0.42mm BST Primamaju™ 'Cream' Flashing / Capping n.e. 900mm girth
9	~Ditto~ n.e. 600mm girth
10	~Ditto~ n.e. 450mm girth
11	~Ditto~ n.e. 300mm girth
12	~Ditto~ n.e. 225mm girth
13	~Ditto~ n.e. 150mm girth

SPECIFICATION FOR GLAZING

SUPPLIER : TOPLINE SAFETY GLASS (MALAYSIA) SDN. BHD.

LOUVERS

(TOPLINE) 6mm Annealed Clear Float

WINDOWS

(TOPLINE) 6.38mm Clear Annealed Float Glass Laminated with Blue Tinted PVB
<3mm Annealed Clear Float + 0.38mm Blue Tinted PVB + 3mm Annealed Clear Float>

SHOPFRONT (CURTAIN WALLING)

(TOPLINE) 8.38mm Clear Annealed Float Glass Laminated with Blue Tinted PVB
<4mm Annealed Clear Float + 0.38mm Blue Tinted PVB + 4mm Annealed Clear>

RAILING

(TOPLINE) 12mm Clear Tempered

SKYLIGHT

(TOPLINE) 13.52mm Clear Tempered Heat Soaked Test (HST) Laminated with Clear PVB
<6mm Clear Tempered HST + 1.52mm Clear PVB + 6mm Clear Tempered HST>

VISION PANEL / TOP HUNG

(TOPLINE) 6mm Annealed Clear Float

SPECIFICATION FOR ALUMINUM FRAMES

SUPPLIER: LB ALUMINUM BERHAD

	Type	Description
1.	Aluminum Frame Shopfront/ Fixed Glass Panel (2400mm height)	<p>Supply and install nominal thickness of 1.25mm 'LB' Shopfront SF06, 8613 Series by LB Aluminium Berhad or equivalent, completed with all associated sub – frames and necessary hardware, to Manufacturer's details and Architect's approval. (Glass and silicone by others)</p> <p>Finish : 'Albecoat' Powder Coating (average 60 microns)</p>
2.	Aluminium Frame Curtainwall/ Fixed Glass Panel (3900mm height).	<p>Supply and install nominal thickness of 2.00mm-3.00mm 'Albexwall' Performance Curtainwall-Stickwall CTW/ST02, 18865 series by LB Aluminium Berhad or equivalent, completed with all associated sub – frames and necessary hardware, to Manufacturer's details and Architect's approval. (Glass and silicone by others)</p> <p>Finish: 'Albecoat' Powder Coating (average 60 microns)</p>
3.	Aluminium Frame Curtainwall/ Fixed Glass Panel (3300mm height)	<p>Supply and install nominal thickness of 2.00mm-2.50mm 'Albexwall' Performance Curtainwall-Stickwall CTW/ST02, 18866 series by LB Aluminium Berhad or equivalent, completed with all associated sub – frames and necessary hardware, to Manufacturer's details and Architect's approval. (Glass and silicone by others)</p> <p>Finish: 'Albecoat' Powder Coating (average 60 microns).</p>
4.	Aluminium Frame Fixed Glass Panel with tophung window (2800mm height)	<p>Supply and install nominal thickness of 1.20mm 'Albesash' Performance Casement Window PCW02-40, 6964 Series (Mullion</p>

		<p>depth: 100.00mm) by LB Aluminium Berhad or equivalent, completed with MPH3601 Window Multipoint Handle, T29 Lockcase, MPH950 Lockcam, MPH930 Catches, SS304 Friction Stay, MP90 Corner Bracket, CR12 Restrictor Bar, PLG6981 Weatherstrip, all associated sub – frames and necessary hardware by Albe Marketing Sdn. Bhd., to Manufacturer's details and Architect's approval.</p> <p>Finish: 'Albecoat' Powder Coating (average 60 microns).</p>
5.	Aluminium Frame Top Hung Window (650mm height)	<p>Supply and install nominal thickness of 1.20mm 'Albesash' Performance Casement Window PCW02-40, 6981 Series (Mullion depth: 40.00mm) by LB Aluminium Berhad or equivalent, completed with CW100 Cam Window Handle, SS304 Friction Stay (4 Bar Hinge), MP90 Inner Corner Bracket, PLG6981 Weatherstrip, all associated sub – frames and necessary hardware, to Manufacturer's details and Architect's approval.</p> <p>Finish: 'Albecoat' Powder Coating (average 60 microns)</p>
6.	Aluminum Frame Sliding Window (1200mm height)	<p>Supply and install nominal thickness of 1.20mm 'LB' Economy Sliding Window ESLW01b, 6774 Series by LB Aluminium Berhad or equivalent, completed with 'DC350' Mini Crescent Lock, 001 PVC Hole Plug, 002R Sliding Window Roller, 003 Stopper, Wool Pile, Weep Hole Cover, 002 Skider, all associated sub – frames and necessary hardware by Albe Marketing Sdn. Bhd., to Manufacturer's details and Architect's approval. (Glass and silicone by others)</p> <p>Finish: 'Albecoat' Powder Coating (average 60 microns).</p>

7.	Aluminium Frame Swing Door (2800mm height)	<p>Supply and install nominal thickness of 1.30mm 'LB' Swing Door SWD01, 7501 Series by LB Aluminium Berhad or equivalent, completed with Floor Door Closer With Handle, Top Centre, Top Pivot & Bottom Strap, A141 Top Fixed Pivot, Inner Corner Bracket, Wool pile all associated sub – frames and necessary hardware by Albe Marketing Sdn. Bhd., to Manufacturer's details and Architect's approval. (Glass and silicone by others)</p> <p>Finish: 'Albecoat' Powder Coating (average 60 microns).</p>
8.	Aluminium Frame Fixed Glass Louvre (2200mm height)	<p>Supply and install 'Breezway' Altair Fixed Glass Louvre by LB Aluminium Berhad or equivalent, completed with Breezway Altair Adjustable Louvre Gallery, all associated sub – frames and necessary hardware, to Manufacturer's details and Architect's approval. (Glass and silicone by others)</p> <p>Finish: Albecoat Powder coating (average 60 microns).</p>
9.	Aluminium Frame Fixed 'Z - Type' Louvre @ Cafeteria	<p>Supply and install nominal thickness of 1.00mm 'LB' Fixed Louvre (Z-Type), 9960 Series (32.80mm depth x 53.00mm width) by LB Aluminium Berhad or equivalent, completed with all associated sub – frames and necessary hardware, to Manufacturer's details and Architect's approval. (Glass and silicone by others)</p> <p>Finish: Albecoat Powder coating (average 60 microns).</p>
10.	Aluminium Frame Fixed 'Z - Type' Louvre @ Staircase	<p>Supply and install nominal thickness of 1.30mm 'LB' Fixed Louvre (Z-Type), 9277</p>

		<p>Series (77.72mm depth x 126.37mm width) by LB Aluminium Berhad or equivalent, completed with all associated sub – frames and necessary hardware, to Manufacturer's details and Architect's approval. (Glass and silicone by others)</p> <p>Finish: Albecoat Powder coating (average 60 microns).</p>
11.	Aluminium Frame Fixed 'Storm' Louvre @ Block B	<p>Supply and install nominal thickness of 1.50mm 'LB' Fixed Storm Louvre, 15131 Series (93.11mm depth x 61.79mm width) by LB Aluminium Berhad or equivalent, completed with all associated sub – frames and necessary hardware, to Manufacturer's details and Architect's approval. (Glass and silicone by others)</p> <p>Finish: Albecoat Powder coating (average 60 microns)</p>

PROPOSAL OF WATERPROOFING SYSTEM

KDU UNIVERSITI COLLEGE, PENANG

Item no.	Location	Description	Unit	Specification	
1.	Lift Pit	<p>i. To supply and install Penetron Admix crystalline waterproofing admixture used at the rate of 0.8% by weight of cementitious content at the time of batching. All done as accordance with manufacturer's instruction</p> <p>➤ To lift pit slab and wall</p> <p>ii. To supply and apply 2 coats of Topseal HG260 liquid applied pure polyurethane waterproofing membrane with 100% solid content, All done as accordance with manufacturer's Instruction</p> <p>➤ To lit pit external wall surface</p> <p>iii. To supply and install 25mm thick polystyrene foam as protection before backfills</p>	<p>m³</p> <p>m²</p> <p>m²</p>	<p>Crystalline concrete waterproofing admixture</p> <p>Liquid applied pure polyurethane membrane</p>	
2.	Fire Water tank room/ Domestic Water Transfer tank/ Hot water plant room	<p><u>GROUND FLOOR</u></p> <p>To apply 2 coats of Sealcoat Elastic flexible cementitious waterproofing slurry at 1kg/coat/m². All done as accordance with manufacturer's instruction</p> <p>➤ To concrete slab surface</p> <p>➤ Upturn 300mm height</p> <p>➤ Treatment to outlet</p>	<p>m²</p> <p>m</p> <p>no.</p>	Flexible cementitious waterproofing slurry	
3.	Waste Bin Centre	<p>To apply 2 coats of Sealcoat Elastic flexible cementitious waterproofing slurry at 1kg/coat/m². All done as accordance with manufacturer's instruction</p> <p>➤ To concrete slab surface</p> <p>➤ Upturn 300mm height</p> <p>➤ Treatment to outlet</p>	<p>m²</p> <p>m</p> <p>no.</p>	Flexible cementitious waterproofing slurry	

Item no.	Location	Description	Unit	Specification	
4.	RC Water tank	<p>i. To supply and install Penetron Admix crystalline waterproofing admixture used at the rate of 0.8% by weight of cementitious content at the time of batching. All done as accordance with manufacturer's instruction</p> <ul style="list-style-type: none"> ➤ To slab concrete ➤ To wall concrete <p>ii. To supply and apply two coats of Penetron crystalline cementitious capillary waterproofing slurry used at the rate of 0.7kg/coat/m² onto concrete surface. All done as accordance with the manufacturer's instruction</p> <ul style="list-style-type: none"> ➤ To internal slab ➤ To internal wall ➤ Treatment to outlet 	<p>m³ m³</p> <p>m² m² no.</p>	<p>Crystalline concrete waterproofing admixture</p> <p>Crystalline cementitious waterproofing slurry</p>	
5.	Planter box	<p>i. To supply and apply 2 coats of Topseal HG260 liquid applied pure polyurethane waterproofing membrane with 100% solid content. All done as accordance with manufacturer's</p> <ul style="list-style-type: none"> ➤ To slab ➤ Upturn full height to planter wall ➤ Treatment to outlet <p>ii. 50mm thick protective screed to architect's details</p>	<p>m² m² no.</p> <p>m²</p>	Liquid applied pure polyurethane membrane	
6.	Toilet	<p>To apply 2 coats of Sealcoat Elastic flexible cementitious waterproofing slurry at 1kg/coat/m². All done as accordance with manufacturer's instruction</p> <ul style="list-style-type: none"> ➤ To concrete slab surface ➤ Upturn 300mm height ➤ Treatment to outlet 	<p>m² m no.</p>	Flexible cementitious waterproofing slurry	

Item no.	Location	Description	Unit	Specification	
7.	Sunken Amphitheatre	i. To supply and install Penetron Admix crystalline waterproofing admixture used at the rate of 0.8% by weight of cementitious content at the time of batching. All done as accordance with manufacturer's instruction ➤ To slab concrete ➤ To wall concrete	m ³ m ³	Crystalline concrete waterproofing admixture	
8.	AHU Room	To apply 2 coats of Sealcoat Elastic flexible cementitious waterproofing slurry at 1kg/coat/m2. All done as accordance with manufacturer's instruction ➤ To concrete slab surface ➤ Upturn 300mm height ➤ Treatment to outlet	m ² m no.	Flexible cementitious waterproofing slurry	
9.	Water feature	i. To supply and install Penetron Admix crystalline waterproofing admixture used at the rate of 0.8% by weight of cementitious content at the time of batching. All done as accordance with manufacturer's instruction ➤ To concrete slab ➤ To concrete wall ii. To apply 2 coats of Sealcoat Elastic flexible cementitious waterproofing slurry at 1kg/coat/m2. All done as accordance with manufacturer's instruction ➤ To slab surface ➤ To wall surface ➤ Treatment to outlet iii. Other finishes to architect's details	m ³ m ³ m ² m ² no.	Crystalline concrete waterproofing admixture Flexible cementitious waterproofing slurry	
10.	Toilet/ AHU Room	<u>1st FLOOR</u> To apply 2 coats of Sealcoat Elastic flexible cementitious waterproofing slurry at 1kg/coat/m2. All done as accordance with manufacturer's instruction ➤ To concrete slab surface ➤ Upturn 300mm height ➤ Treatment to outlet	m ² m no.	Flexible cementitious waterproofing slurry	

Item no.	Location	Description	Unit	Specification	
11.	Butchery/ Culinary Studio/ Garde Manger/ Mixology Lab/ Molecular training/ Pantry/ Kitchen Bakery/ Bar Bistro/Wet Areas	<p>To apply 2 coats of Sealcoat Elastic flexible cementitious waterproofing slurry at 1kg/coat/m2. All done as accordance with manufacturer's instruction</p> <ul style="list-style-type: none"> ➤ To concrete slab surface ➤ Upturn 300mm height ➤ Treatment to outlet 	m ² m no.	Flexible cementitious waterproofing slurry	
12.	Ice Carving Room	<p>To apply 2 coats of Sealcoat Elastic flexible cementitious waterproofing slurry at 1kg/coat/m2. All done as accordance with manufacturer's instruction</p> <ul style="list-style-type: none"> ➤ To concrete slab surface ➤ Full Height to wall surface ➤ Treatment to outlet 	m ² m ² no.	Flexible cementitious waterproofing slurry	
13.	RC Flat Roof/ Cooling Tower/ Piazza/ Collaborative space	<p><u>2nd – 5th FLOOR</u></p> <p>i. Concrete cast to fall to received waterproofing</p> <p>ii. To supply and apply 2 coats of Topseal HG260 liquid applied pure polyurethane waterproofing membrane with 100% solid content, reinforce with non-woven polyester fabric. All done as accordance with manufacturer's</p> <ul style="list-style-type: none"> ➤ To slab ➤ Upturn 600mm height ➤ Treatment to outlet <p>iii. 50mm thick protective screed reinforced with fibre mesh cast in panel size at 1.5m X 1.5m with crack control joint at 15mm X 18mm and seal with sealant.</p>	m ² m no. m ²	Liquid applied pure polyurethane membrane	

Item no.	Location	Description	Unit	Specification	
14.	Toilet/ Changing Room/ AHU Room/ park Window	<p>To apply 2 coats of Sealcoat Elastic flexible cementitious waterproofing slurry at 1kg/coat/m². All done as accordance with manufacturer's instruction</p> <ul style="list-style-type: none"> ➤ To concrete slab surface ➤ Upturn 300mm height ➤ Treatment to outlet 	m ² m no.	Flexible cementitious waterproofing slurry	
15.	Planter box	<p>i. To supply and apply 2 coats of Topseal HG260 liquid applied pure polyurethane waterproofing membrane with 100% solid content. All done as accordance with manufacturer's</p> <ul style="list-style-type: none"> ➤ To slab ➤ Upturn full height to planter wall ➤ Treatment to outlet <p>ii. 50mm thick protective screed to architect's details</p>	m ² m ² no. m ²	Liquid applied pure polyurethane membrane	
16.	RC Flat Roof	<p><u>ROOF PLAN</u></p> <p>i. Concrete cast to fall to received waterproofing</p> <p>ii. To supply and apply 2 coats of Topseal HG260 liquid applied pure polyurethane waterproofing membrane with 100% solid content, reinforce with non-woven polyester fabric. All done as accordance with manufacturer's</p> <ul style="list-style-type: none"> ➤ To slab ➤ Upturn 600mm height ➤ Treatment to outlet <p>iii. 50mm thick protective screed reinforced with fibre mesh cast in panel size at 1.5m X 1.5m with crack control joint at 15mm X 18mm and seal with sealant.</p>	m ² m no. m ²	Liquid applied pure polyurethane membrane	

Item no.	Location	Description	Unit	Specification	
17.	Construction joint	To supply and install <i>Penebar SW 55</i> swellable waterstop at size 19mm X 25mm	m.r	Hydrophilic rubber waterstop	
18.	RC Flat Roof fully covered with metal deck	<p>To apply 2 coats of <i>Sealcoat Elastic</i> flexible cementitious waterproofing slurry at 1kg/coat/m². All done as accordance with manufacturer's instruction</p> <ul style="list-style-type: none"> ➤ To slab ➤ Upturn 300mm height ➤ Treatment to outlet <p>i. 50mm thick protective screed to architect's details</p> <p>ii. Metal decking</p>	m ² m no.	Flexible cementitious waterproofing slurry	