

SUNDALE DAIRY

Specification of Finishes

REVISION – A

aa GENERAL NOTES:

Schedule may be adjusted to suit Tenderers design, alternatives should be equal and subject to approval by ELIDZ.

- Note all works, materials and finishes to comply with National Building Regulations, SABS, SANS, PW371–A + B, ASAQs Model Preambles to All Trades
- References: Room Data Sheets, Plans, Sections & Finishing Schedule as reference for all finishes & fittings.
- Priority: These Specifications take priority over details in the Bills of Quantities. Any discrepancies in descriptions and between documents to be brought to the attention of the Architect before any works are put in hand.
- Co-ordination: All materials and construction specifications to be read in conjunction with and co-ordinated with all referenced documents in the Bill of Quantities.
- Discrepancies: All documents and all on-site conditions to be checked prior to manufacture. Any discrepancies between documents to be brought to the attention of the Architect.
- “or equal and approved”, or any similar expressions, means that approval must be gained from the Architect prior to ordering or installation of alternatives. It is the contractor’s responsibility to prove parity or better prior to submission for approval.
- Trade names Trade names are used in reference to a quality basis, any alternative may only be used should parity or better be proven by the contractor.
- SABS: All materials to be SABS approved, or nearest approved equivalent.
- Quality: All brand names give specific quality levels. Any different materials used are to be approved by the Architect prior to being brought on to site. It is the contractor’s responsibility to prove parity, or better.
- Engineer Details: All foundations and floor slabs to be undertaken in strict accordance with Engineer’s drawings and details.
- Samples: All works to be erected, installed or placed on site, finishes and fittings are to have a sample approved on site by the Architect. No works may be put in hand until an approved sample is in place.
- Preparation: Ensure full preparation prior to installation of any materials.
- Fixings: All fixings to be non-corrosive generally countersunk and made good on completion.
- Painting All paint to be zero VOC type paint.

bb QUALITY CONTROL

Full time Clerk of Works to be on site for monitoring quality of workmanship daily.

Revision				Revision			
	A	13.03.20	Issued For Tender				
Project				Stage			
ELIDZ - SUNDALE				TENDER			
				Date			
				13 March 2020			
Description			Document Number			Revision	
SPECIFICATION - FINISHES			1439-SUN-AR-700-01			A	
			project number - discipline - doc.number - sheet number				

A FLOORS

A00 FLOORS GENERAL

- Finished floor levels for all flooring materials are to be identical. Floor slabs to be cast at levels to suit different finishes as specified.
- Straight edge trims to be used between different floor finishes to details
- All surface beds, suspended slabs, beams etc. to Engineers detail and design.
- All external thresholds to be weathered to fall towards external face to detail.
- All expansion and movement joints to Engineer's detail and specification.

Straight Edge Trim: For porcelain floor tiles use: M-Trim 12mm high brushed stainless steel straight edge trim (Code: SSE120) bedded in tile adhesive at join between 2 different floor finishes.

Grade 430 stainless steel for all internal areas

Grade 316 stainless steel for all external areas



Porcelain tile skirting: M-Trim 12mm high brushed stainless steel square edge trim (Code: SSE120) bedded in tile adhesive.

Grade 430 stainless steel for all internal areas



Porcelain floor tile movement/soft joints : Perimeter sealant movement joint to be provided at the perimeter of all tiled areas at the junction with vertical surfaces with Mapflex PU20 self levelling, two component polyurethane sealant for floor joints, applied in strict accordance to manufacturer's details and recommendations.

Intermediate movement joints to be provided at 3000mm centres as shown on tiling layouts. Joints to extend through tiles and bedding to substrate.

Colour: 114 Anthracite

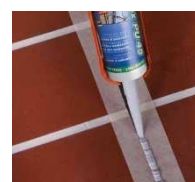
Local Mapei supplier : Rob Swart 043 7226041 / 061 1612303



Porcelain wall tile movement/soft joints : Intermediate movement joints to be provided at all internal vertical corners, and at positions indicated on tiling layouts, with Mapflex PU45 one component rapid hardening paintable, thixotropic polyurethane sealant, applied in strict accordance to manufacturer's details and recommendations.

Joints to extend through tiles and bedding to substrate.

Colour: 113 Cement Grey



Revision				Revision			
	A	13.03.20	Issued For Tender				
Project				Stage			
ELIDZ - SUNDALE				TENDER			
				Date			
				13 March 2020			
Description			Document Number			Revision	
SPECIFICATION - FINISHES			1439-SUN-AR-700-02			A	
			project number - discipline - doc.number - sheet number				

Damp Proof Membrane

Gundle USB Green 250µm damp proof membrane under concrete surface beds to SANS mark 952-1985 type C laid with minimum 150mm overlaps and sealed with Gunplas pressure sensitive tape. DPM to extend vertical between edge of slab and internal face of wall skin and over width on inner wall skin to align with top of RC floor slab. All as continuous membrane with minimum 150mm overlaps at side laps. DPM to be laid on 50mm sand blinding layer on layers of compacted fill to engineer's detail and specification.

Screeds

Screed is only to be laid where specifically stated.

Screed to be sloped towards floor drains where specified, minimum screed to be 30mm.

Screed materials, aggregates, preparation, strengths, laying, tolerances, curing, finishing etc. to be as per "Sand-Cement Screeds" as published by The Concrete Institute 2013.

Class of Surface Regularity is 1. (Screed laid to 1mm tolerance over 1m.)

Screed - Strength to Engineers detail (minimum 20MPa) and to conform to SABS 0155 (Accuracy in Buildings).

Screed in showers to have additive ABE Duraproof to be applied all to manufacturer's recommendations and specifications.

Screed to be laid with a bond breaking PVC joint around room perimeters. Note different levels as required at different finishes to ensure floor finishes at same levels.

Screed finish to note maximum deviations allowed for vinyl sheeting and Polyurethane

Powerfloat

Concrete floor slab to Engineer details to be finished by a specialist skilled and experienced in the field to a smooth and even finish power floated smooth and compacted to a firm finish. A sample panel to be done and approved before any floor slabs may be cast.

A01 POLYURETHANE FLOOR FINISH in Cold Room and Cheese

Polyurethane finish should be moisture tolerant. should be resistant to a wide range of process and cleaning chemicals, such as acetic acid, lactic acid, oleic acid, citric acid and sodium hydroxide. It should be readily available in a range of smooth and slip resistant textured finishes to minimise the risk accidents. Polyurethane should be suitable for food production.

Floor finish should withstand cold temperature (refer to Room Metrix)

Polyurethane to be installed at 6mm in Cold Room and Cheese Factory. 9mm application at Blending/cooking room for high thermal resistance

*Stonehard or similar approved (charcoal colour) in accordance to manufacturer's instructions
Local supplier: Anton Visagie 082 570 6945*


A02 CONCRETE POWER FLOAT

Concrete slab to Structural Engineer's details and specifications power floated to Engineer specified tolerances by specialists in the field.

A03 CRUSHED STONE – Ground floor Ducts

19mm Crushed stone laid on 200mm bed or river sand. Crushed stone to be free of dirt and debris

Revision				Revision			
	A	13.03.20	Issued For Tender				
Project				Stage		TENDER	
ELIDZ - SUNDALE				Date		13 March 2020	
Description			Document Number			Revision	
SPECIFICATION - FINISHES			1439-SUN-AR-700-03			A	
			project number - discipline - doc.number - sheet number				



A04 DUST PROOF CONCRETE in SOS room

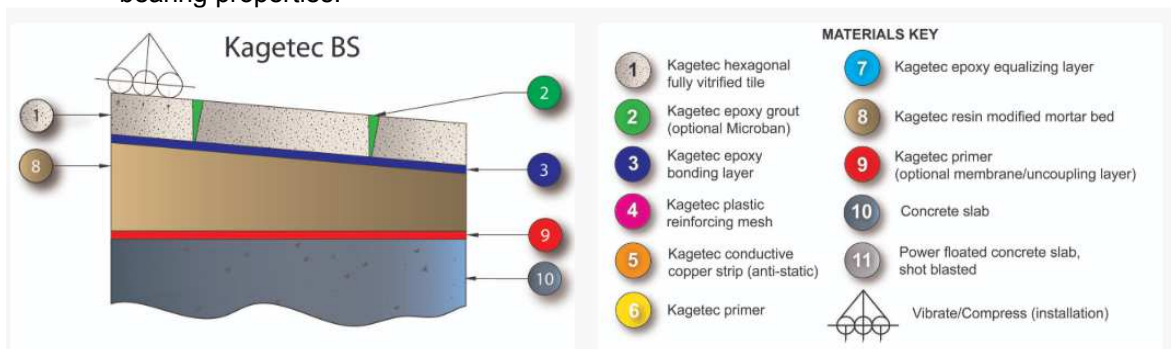
Concrete to be treated with concrete densification which is a transparent, chemically reactive, sealer that penetrates concrete, protecting, preserving and strengthening them permanently by:

- Curing - controlling hairline checking on new concrete by quickly stabilizing the surface
- Sealing -penetrating deep into the concrete, forming a chemical reaction that locks the pores from within, providing a deep permanent seal on all types of concrete surfaces.
- Hardening - solidifying the component parts of the concrete into one solid mass, increasing the density, toughness, hardness and substantially increasing the abrasion resistance and durability of the concrete surface
- Dustproofing - Chemically locking in calcium Hydroxide Neutralizing Alkali - as densifier progressively penetrates the concrete, it neutralizes the alkalis, forcing them to the surface where they can be washed away during the application.
- Bonding - densifier should allow application of paints, caulking compounds, adhesives and floor coverings by eliminating the surface concrete salts that are detrimental to proper bonding

Concrete floor to Engineers specification and detail with approved floor hardener, in accordance manufacturer's instructions

A05 DAIRY TILES (COP)

Dairy tiles which will be economical, quick to install and have high mechanical and load bearing properties.



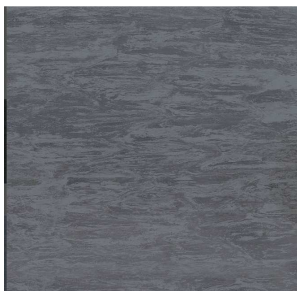
Kagetec or similar approved, in accordance manufacturer's instructions
Alternative option: Full body Porcelain tile with Epoxy grout (subject to Tenants approval)

A06 HEAVY DUTY VINYL in ablutions

Heavy-duty flexible Vinyl sheet (Shadow 8150 Polyflor or similar approved) hygienic floor

Sheeting: flexible vinyl floor sheeting, manufactured to SABS and laid in appropriate adhesive. Joints to be butted, grooved and heat welded ensuring that the welding rod bonds to more than 70% of the sheet thickness.

Vinyl sheeting on self-levelling screed on Mapei moisture block (or similar application) on 50 mm screed on Prestressed concrete slab. In accordance to Mapei water proofing specifications. No water/moister to penetrate to process areas below



Revision			Revision		
A	13.03.20	Issued For Tender			
Project			Stage		
ELIDZ - SUNDALE			TENDER		
			Date		
			13 March 2020		
Description		Document Number		Revision	
SPECIFICATION - FINISHES		1439-SUN-AR-700-04		A	
		project number - discipline - doc.number - sheet number			

A07 TILES PORCELAIN in Canteens, Lobby areas, Drivers facility

600x600x10.5mm PORCELAIN tiles . Colour: **GRAPHITE PHA662409M**

The joint should be at least 5mm wide and extend through the tile and adhesive layers. Where applicable, the bulk of the depth of the movement joint can be filled with polyethylene foam strips. Seal the joint using a suitable resilient sealant in accordance with the manufacturer's instructions. It is important that the joint sealant bonds only to the sides of the movement joint. Refer to the SABS Codes of Practice for the Design and Installation of Ceramic and Porcelain Tiling.

M●Trim grade 430 brushed stainless steel straight edge trim code SSE to suit relevant tile thickness to be used at all internal transitions between different floor finishes, and grade 316 brushed stainless steel to be used at all external transitions. All to manufacturer's specifications and recommendations.

Tiles on self-levelling screed on Mapei Water Proofing on 50 mm screed on Prestressed concrete slab, in accordance to Mapei water proofing specification. No water/moister to penetrate to process areas below

A08 BRICK PAVING – Walkways and Aprons

Bosun concrete Medium Urban paver, size 200 x 150 x 60mm thick, laid in stretcher bond in accordance with SANS 1200 MJ and CMA Concrete Block Paving Manuals, with a minimum longitudinal fall of 1% on a transverse fall of at least 2% on 25mm compacted sand bed with fine jointing sand swept and vibrated into joints, all laid on subgrade conforming to SANS 1200 D Degree Of Accuracy I. Paving to be inspected and re-sanded after three months.

All layer-works, sub-base preparation and final surface levels to Civil Engineer's details.

All external edges of paving abutting landscaping to be edged with Cementile Products Fig. 2B concrete kerb (250x75mm), all as per Manufacturer's details and recommendations.

Colour: Grey

A09 LANDCAPING

See Landscaping Specifications.

- Preparation, Nutrition, Ground Levels, Grassing, Ground Cover, Flower Beds, Trees and Maintenance

A10 STEEL PLATE – staircase and walkways

Steel plate with profiled pattern to approved samples, (Vastrap type) bolted to steel subframe system all to engineer details. All edges to be smooth and rounded on completion. All steel plate to be hot dip galvanized after cutting to shapes and sizes. No on-site welding or cutting permitted.


A11 STEEL GRATING

Steel grating comprised sturdy vertical ribs set in sub-frame mounted to steel support structure all to Engineers details, all to be hot dip galvanized before installation, bolted in place and secured all round.

A12 CONCRETE HARDSTAND

Concrete laid in panels to Engineer details with pan finish to approved sample panels in strict accordance with Paving Layouts and Engineer Plans and details

Revision				Revision			
	A	13.03.20	Issued For Tender				
Project				Stage			
ELIDZ - SUNDALE				TENDER			
				Date		13 March 2020	
Description			Document Number			Revision	
SPECIFICATION - FINISHES			1439-SUN-AR-700-05			A	
			project number - discipline - doc.number - sheet number				



B SKIRTING

B01 ALUMINIUM SKIRTING – Drywall

70 x 1.6mm natural anodised aluminium skirting, fixed to wall at FFL at min 300mm cc as per manufacturer's details and recommendations.

B02 VINYL PVC Cove former skirting



Vinyl sheeting to form 200mm high skirting and terminated with Polycap end strip.

B03 TILES PORCELAIN SKIRTING

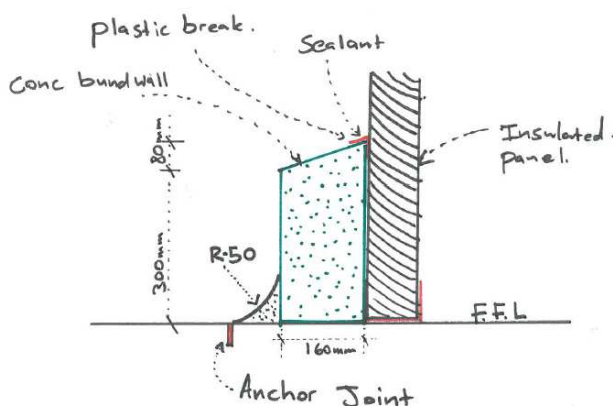
Tiles to match floor tiles cut to 100mm high fixed to wall face at floor junction with floor tiles. Cut face of tile to face down at floor tile junction, with top edge finished with M-Trim brushed stainless steel square edge trim SQE to suit tile thickness. All adhesive and grouting details to match floor tiles. Bottom joint to be B04.

B04 SEALANT POLYSULPHIDE

Approved polysulphide sealing compound between vertical wall and horizontal floor ceramic / porcelain / etc. tiles forming finish for 'skirting'. Colour to Architects approval.

B05 POLYURETHANE MORTAR COVERED SKIRTING

Concrete bund wall 160mm x 300mm high finished with Stonehard polyurethane with appropriate sealants, joints and breaks. Or similar approved. All to manufactures specifications



Revision				Revision			
	A	13.03.20	Issued For Tender				
Project				Stage			
ELIDZ - SUNDALE				TENDER			
				Date			
				13 March 2020			
Description			Document Number			Revision	
SPECIFICATION - FINISHES			1439-SUN-AR-700-06			A	
			project number - discipline - doc.number - sheet number				

C WALLS

C01 Insulated panels

External Insulated Walls

Insulation: Minimum 100mm 15dv Polystyrene Core Walls

Finish: 0.5mm Frost White Z-200 Chromadek

Joint System : Tongue and Groove

Thermal Conductivity (K Value) : 0.04 W/mK (Maximum)

Density : $\pm 15 \text{ kg/m}^3$

Fire Rating: Fire Retardant Expanded Polystyrene

Columns in cheese factory to be cladded and insulated

Internal Insulated Walls

Insulation: Minimum 50mm 15dv Polystyrene Core Walls

Finish: 0.5mm Frost White Z-200 Chromadek

Joint System : Tongue and Groove

Thermal Conductivity (K Value) : 0.04 W/mK (Maximum)

Density : $\pm 15 \text{ kg/m}^3$

Fire Rating: Fire Retardant Expanded Polystyrene

Columns in cheese factory to be cladded and insulated

Insulated Fire Walls (as per Mechanical Eng spec)

Insulation: Minimum 100mm Polyphen Core Walls

Finish: 0.58 mm Chromadek Frost White (Z-200 Zinc Substrate)

Joint System : Tongue and Groove

Joint Sealants : Approved Fire Stop Sealants to meet rating required (Hilti or equivalent)

Thermal Conductivity (K Value) : 0.037 W/mK (Maximum)

Density : $\pm 50 \text{ kg/m}^3$

Fire Rating: International Class 1 (FM, or equivalent SANS Approved)

Fire Rating Required (Minutes) : As per relevant Regulations and Design requirement

C02 BRICK WALL

NOTE: Refer to Engineer's details for all Masonry and expansion joint details.

Brickwork to be size 222 x 106 x 73mm clay stock brick manufactured in accordance with SANS 227:2002 Standard Specifications for Burnt Clay Masonry Units, (unless stated facebrick) 85mm brick gauge English Bond with flushed horizontal and vertical joints all laid in Class II mortar comprising 50kg cement; 40L lime; 200L sand (measured loose and damp).

All external brickwork to be cavity walls and sealed with 2 coats of "ABE Brixéal" bituminous emulsion, second coat painted perpendicular to first coat.

External walls generally 280mm brickwork with abutting internal of walls 230mm double skin. HD galvanized Butterfly or PWD Wall ties in accordance with SANS 28 shall be used for cavity wall construction built into all cavity walls. Brickforce to Structural Engineer.

Foundation Brick

Well burnt, hard, selected brick, below finished ground and paving levels, laid in 85mm courses in stretcher bond with full bedded mortar all round strictly to Engineer's details.

Face brick to be : Makana Heritage Satin FBS

Revision				Revision			
	A	13.03.20	Issued For Tender				
Project				Stage			
ELIDZ - SUNDALE				TENDER			
				Date			
				13 March 2020			
Description			Document Number			Revision	
SPECIFICATION - FINISHES			1439-SUN-AR-700-07			A	
			project number - discipline - doc.number - sheet number				



C03 PLASTER

Quality Control: An approved sample panel of plaster to be built prior to construction.

Skim Coat – Interior

All internal plastered walls to be skimmed with Plascon Skim Coat PSI-1 and finished surface primed to accept painted finish, all according to Manufacturer's details and specifications.

C04 PAINT ACRYLIC

Plaster per specification ref C00.

Surfaces must be in sound condition. Fill defects with Polycell Mendall 90 or Polyfilla Exterior to manufacturers recommendations. Repair any imperfections; ensure surfaces are dry, clean and well sanded. Moisture content not more than 8% measured on a Doser Hygrometer BD2 scale (or equivalent) before painting.

Apply PLASCON Plaster Primer. Apply PLASCON 'Universal Undercoat'.

Finish with No.2 coats of Plascon Teflon based Wall & All with 2 hours drying time between coats. Apply liberally in order to obtain an unbroken barrier coat to seal surface properly. All applied according to manufacturer's specifications and recommendations.

Colour: To Architects Specifications. Allow 80% TWA1000 pastel tint base; 20% deep tint base TWA2000.

C05 DRYWALL in Canteen and Changerooms

Gyproc 3100mm high GypWall Classic Ultrasteel Stud Drywall, consisting of stud and track system with Donn Drywall UltraSTEEL™ studs fitted into head track and floor track and clad on both sides with 12,5mm thick taper edged Gyproc RhinoBoard fixed with 25mm Gyproc RhinoBoard Sharp Point all external angles to have Drywall cornerbeads attached and all joints to be covered with RhinoTape and finished with two layers of RhinoGlide applied and lightly sanded down, leaving wall surface prepared for painting, all in accordance with the manufacturer's recommendations.

Walls with wets services including basins, sinks, toilets, cisterns etc to be clad in waterproof Gyproc Gyproc Moisture Resistant Glasroc H from corner to corner ensuring all skim materials etc are similarly waterproof and all edges of the board to be fully sealed to manufacture details – noting base of board offset from floor complete with sealant, penetrations to be sealed, surface to be tiled.

Showers to be lined with 21mm Marine plywood sealed with Tal Superflex flexible waterproof membrane capable of accommodating normal structural movement in the background and suitable for waterproofing internal wet areas. Continuous membrane from underside of floor finish up the wall and flush with the ceiling. Walls to be tiled up to ceiling level and bonded with appropriate adhesive and movement joints.

C06 OFF-SHUTTER CONCRETE

Off-shutter concrete to be CLASS 2 smooth. Refer to Engineer's details and specifications

C07 IBR SIDE CLADDING

Huletts Aluminium 'Global Roofing Solutions' 0,8mm thick BR7 Profile embossed aluminium vertical cladding fixed to galvanised cold rolled girts with insulation tape between girt and cladding with stainless steel screws. Bottom edge of side cladding to eastern and western facades to be angled, fixed to girts fixed onto brickwork. Installation region: from 0m to 400m of the coast – C5 High Corrosion Risk. All in accordance with the manufacturer's instructions.

No side wall insulation is provided

Two different finishes will be used, Mill finish and Azure Blue Color-Tech G4 finish.

Revision				Revision			
	A	13.03.20	Issued For Tender				
Project				Stage			
ELIDZ - SUNDALE				TENDER			
				Date			
				13 March 2020			
Description			Document Number			Revision	
SPECIFICATION - FINISHES			1439-SUN-AR-700-08			A	
			project number - discipline - doc. number - sheet number				



D. SILLS

D00

At all external door threshold finishes are to be laid against an M-Trim 3 x 40mm brass flat bar, Code: BFB 300, fixed into position with an approved adhesive. Refer to details.

All thresholds to be weathered to fall towards external face.

All grano thresholds to receive a 76 mm wide reeding across opening stopped 50 mm from edge.

D01 ALUMINIUM SLOPED - External Sills

Colour Anodised Aluminium

125x45x2mm Natural anodised aluminium bent to form external sill profile. Open ends to be capped in matching material. Sill to be tucked behind aluminium window and sealed with approved polysulphide sealant along entire length of window frame.

D03 DRYWALL ALUMINIUM

Colour Anodised Aluminium

Standard aluminium Glazing reveal suited specially to partition walling in natural anodized aluminium finish around all window reveals in Drywalling.

Revision				Revision			
	A	13.03.20	Issued For Tender				
Project				Stage			
ELIDZ - SUNDALE				TENDER			
				Date			
				13 March 2020			
Description			Document Number			Revision	
SPECIFICATION - FINISHES			1439-SUN-AR-700-09			A	
			project number - discipline - doc.number - sheet number				



E CEILINGS

E01 INSULATED PANEL CEILINGS (Process areas)

Ceilings

Insulation: Minimum 100mm 15dv Polystyrene Core Walls

Finish: 0.5mm Frost White Z-200 Chromadek

Joint System : Tongue and Groove

Thermal Conductivity (K Value) : 0.04 W/mK (Maximum)

Density : $\pm 15 \text{ kg/m}^3$

Fire Rating: Fire Retardant Expanded Polystyrene

Columns to be cladded and insulated

Particular Ceilings to allow for foot traffic

E02 SUSPENDED – VINYL CLAD – Canteen , Ablutions and Drivers

Capco Ceiltex 99% RH resistant Ripple White square edge vinylclad gypsum aluminium foil backed ceiling tiles, size 600 x 600 x 12mm thick , laid on CKM T38/24 24 x 38mm pre-painted white exposed grid system comprising main tees at 1200mm centres and CKM T38/24 24 x 38mm cross tees at 600mm centres at right angles to main tees with 600mm cross tees spaced between 1200mm cross tees at 600mm centres. Main tees suspended by means of 19 x 0,5mm thick galvanised mild steel strap hangers, fixed to bulb of main tee with wafer-tek screws at 1200mm centres using 6mm Express nails. Ceiling perimeter to be finished with CKM W20/20 shadowline, fixed at 450mm centres using wall anchors. Ceilings to be installed by an approved specialist and in accordance with the manufacturer's recommendations.

E03 INSULATION – Canteen/Ablutions - Over Ceiling

100mm Isotherm insulation laid over the top of the ceiling tiles, with 100mm overlaps.

E04 INSULATION - Cold room, Cheese and SOS - Fibreglass Above Purlin

Isover 75mm thick Factorylite non-combustible flexible lightweight industrial fibreglass roof insulation with white metalized foil facing, fixed concurrent with the roof covering above purlins with galvanised steel straining wires at 300mm centres and tied down top and bottom after tensioning with galvanized hoop iron ties with overlaps stapled together, all in accordance with manufacturer's recommendations.

E05 SISALATION- over cold room, cheese and SOS

Install in full lengths Sisalation FR405 under roof sheeting to all office/administrative buildings strictly to manufacturer details set on 1.6mm galvanized sag wires set at 350mm centres max with 150mm overlap to sheeting. Sheeting to be laid from apex to eaves over sag wires with bottom edge set over top of wall. Sisalation to be laid over trusses but under roof purlins pulled taught ensuring even void between roof sheet and Sisalation.

Revision				Revision			
	A	13.03.20	Issued For Tender				
Project				Stage			
ELIDZ - SUNDALE				TENDER			
				Date			
				13 March 2020			
Description			Document Number			Revision	
SPECIFICATION - FINISHES			1439-SUN-AR-700-010			A	
			project number - discipline - doc.number - sheet number				



F ROOF

F01 ROOF SHEETING – Mill Finish

0,9mm Thick 'Global Roofing Solutions' Ziptech 420' Profile 3004 aluminium sheeting and accessories with stucco embossed mill finish, concealed fixed through 75mm thick 'Factorylite' insulation (insulation as per E07) to steel purlins or rails, with 'Ziptech' Aluminium Halts fixed with stainless steel screws, installation region: from 100m to 400m of the coast, in strict accordance with the manufacturer's instructions.

Flashings and edge trims – Roof trims along all gable ends and exposed edges and ends of roof sheeting formed using preformed folded 0.8mm thick aluminium stucco embossed mill finish, including all polyclosures, counter flashings, edging strips, serrated closures and sealing strips, secured to roofing supports at max 1000mm centres. Roof trims to be formed and profiled to Manufacturer's details and recommendations for building's 100m to 400m of the coast. (Note: Flashings and edge trims to be oversized to accommodate wind-driven rain)

Roof sheeting, all lengths of side laps and end laps, fixing and fastening types and methods and details, strictly to manufacturer's specification and recommendation.

F02 GRP HALF-ROUND GUTTERS

Internal gutter:

GRP half-round gutters with integral fibreglass drop-outs at 12m c/c's with 'Geberit Pluvia' rainwater head at base of each drop-out. Each head to be serviced by 2 no. 'Geberit Pluvia' continuous HDPE welded pipes, suspended to approved Geberit detail from gutter support structure. Gutter support would be as per engineers specification

Rainwater heads and downpipes are located internal to the building on east and west extremities of the gables.

External gutter:

GRP half-round gutters with integral fibreglass drop-outs with standard UPVC Downpipes

Revision				Revision			
	A	13.03.20	Issued For Tender				
Project				Stage		TENDER	
ELIDZ - SUNDALE				Date		13 March 2020	
Description			Document Number			Revision	
SPECIFICATION - FINISHES			1439-SUN-AR-700-011			A	
			project number - discipline - doc.number - sheet number				



G MISCELLANEOUS

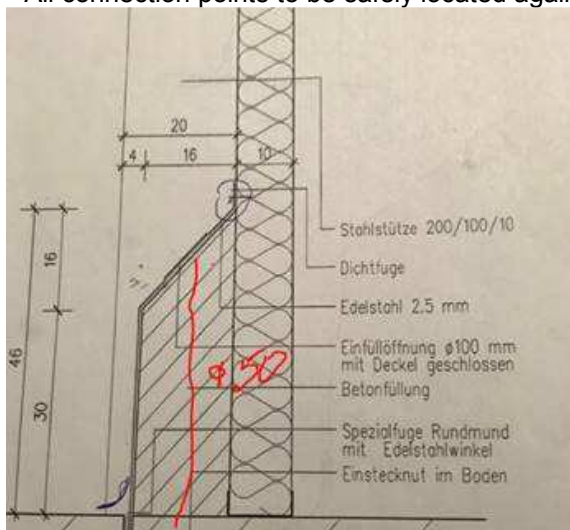
G01 CHEESE AND STOREROOM DRAINAGE

Due to the nature of chemicals in the Cheese factory, Geberit HDPE drainage system is to be used (or similar approved). HDPE pipes from floor drain to treatment plant, with inspection eye for maintenance

Geberit contact: Simon Hall T 021 555 0651/ C 082 568 24 29

Fittings in Cheese Factory

- Sewer pipe to be made of PP with 120°C temperature resistance
- All sewer pipes to be with min DN 100mm
- All sewer pipes for washbin and condensation pipes to be DN 50mm
- Attention: condensation discharge needed in upper floor
- All connection points to be safely located against bump (for example pic. below)



- all sewer pipes with slope 1%
- all sewer pipes should have "soft bends", 90° bend not allowed
- camera inspection will be made after sewer pipe assembly to validate pipes clearness

G02 DOORS

Doors in Ablutions and Change Rooms to be standard timber doors. Primed and painted.

Doors in Cold Room and Cheese factory to be custom made. Air tight sealed Doors in Cheese factory. Refer to door schedule

- Pedestrian Doors in Cold Room to be insulated doors with Chromadek finish. Thickness depends on the internal room Temp. No aluminium trims
- High speed PVC doors with mounted sensors
- Insulated Sectional doors with Chromadek finish, provide viewing panels
- HD Galvanised Roller Shutter door
- Fire rated Roller Shutter doors or Fabric Fire Curtains, where applicable

Local Custom door manufacturer: Build inn- Andrew T 0437345080/ C 0824539211

G03 INTERNAL BOLLARDS AND GUIDERAILS

Galvanised steel to be well degreased, well primed and hand painted

Revision				Revision			
	A	13.03.20	Issued For Tender				
Project				Stage			
ELIDZ - SUNDALE				TENDER			
				Date			
				13 March 2020			
Description			Document Number			Revision	
SPECIFICATION - FINISHES			1439-SUN-AR-700-012			A	
			project number - discipline - doc.number - sheet number				