



KWAZULU-NATAL DEPARTMENT OF PUBLIC WORKS
SACRED HEART SECONDARY SCHOOL



Finishes Schedule

REV:	DATE:	DESCRIPTION	BY
0	13-09-2023	Revision of internal finishes specification and schedule	TI

GENERAL NOTES:

1. This document is to be read in conjunction with the latest revisions of the following documents:
2. All measurements to be checked on site prior to ordering or manufacturing.
3. This document and all referenced drawings to be read in conjunction with all Engineers' drawings where applicable.
4. Any anomalies on drawings, schedules and any other relevant technical documentation to be reported immediately to Architect prior to order or construction.

Prepared by:

TECTURA INTERNATIONAL (PTY) LTD



FINISHES SUMMARY

FLOOR TYPES SUMMARY (REFER TO 'DETAILED SPECIFICATIONS' SECTION FOR FULL FINISH SPECIFICATION)	
FLOOR TYPE	FLOOR DESCRIPTION
F01	PARQUET FLOORING -CLASSICAL COMPOSITION or HERRINGBONE PATTERN
F02	PARQUET FLOORING-MOSAIC COMPOSITION
F03	TIMBER PANELS FLOORING-LINEAR INSTALLATION PATTERN
F04	NON-SLIP TERRAZZO TILE
F05	FULLY FLEXIBLE VINYL SHEETING (Anti-Static & Anti-Slippery)
F06	FULL BODY PORCELAIN TILES -MATT
F07	CARPET TILE
F08	CLAY TERRACOTA TILES
F09	LINOLEUM TILES
F10	GRANOLITHIC FINISH
F11	UNGLAZED CERAMIC SPLIT TILES
F12	NATURAL SLATE STONES
F13	MULTI-PURPOSE SPORTS FLOORING
F14	CEMENT SAND SCREED
F15	GRAVEL FINISH ON SAND LAYER
F16	INTERLOCKING PAVERS (RIGID PAVING/VEHICULAR WAYS)
F17	EXTERIOR MULTI COLOURED CONCRETE INTERLOCKING PAVERS
SKIRTING TYPES SUMMARY (REFER TO 'DETAILED SPECIFICATIONS' SECTION FOR FULL FINISH SPECIFICATION)	
SKIRTING TYPE	SKIRTING DESCRIPTION
S1	HARDWOOD OR EQUAL AND APPROVED
S2	GRANOLITHIC FINISH
S3	MDF BOARD
S4	UNGLAZED CERAMIC SPLIT TILES
S5	PORCELAIN TILE SKIRTING
S6	CEMENT SAND SCREED
INTERNAL WALL TYPES SUMMARY (REFER TO 'DETAILED SPECIFICATIONS' SECTION FOR FULL FINISH SPECIFICATION)	
WALL TYPE	WALL DESCRIPTION
R1	NEW EMULSION (PVA) PAINT FINISH- FULL HEIGHT
R2	NEW ENAMEL PAINT FINISH
R3	GLAZED PORCELAIN WALL TILES / ENAMEL PAINT COMBO



R4	WALL TILES TO CEILING HEIGHT
R5	TEXTURED WALL COATING-FINE PARTICLES
R6	TEXTURED WALL COATING-1.5mm THICK POLISHED PLASTER
R7	ACOUSTIC TIMBER PANELLED WALL - VERTICAL CONTINUOUS PANELS
R8	EXISTING TYROLLEAN WALL FINISH
R9	EXISTING STONE CLADDING
R10	NEW STONE CLADDING
R11	EXISTING FACE BRICK
R12	NEW FACE BRICK
R13	RECONDITIONED EXISTING CEMENT RENDERED FINISH WITH CEMCRETE TO MATCH
CEILING TYPES SUMMARY (REFER TO 'DETAILED SPECIFICATIONS' SECTION FOR FULL FINISH SPECIFICATION)	
C1	GYPSUM BOARDS FLUSH PLASTERED CEILINGS OR EQUAL AND APPROVED
C2	FIBRE CEMENT BOARDS (H-JOINTED)
C3	PATENT SUSPENDED ACOUSTIC TILES OR EQUAL AND APPROVED
C4	EMULSION (PVA) PAINT OR EQUAL AND APPROVED
C5	TONGUE & GROOVED TIMBER PANELS OR EQUAL AND APPROVED
C6	SUSPENDED VINYL CLAD FIBRE-CEM TILE (INSULATED/ MOISTURE RESISTANT)
ROOF TYPES SUMMARY (REFER TO 'DETAILED SPECIFICATIONS' SECTION FOR FULL FINISH SPECIFICATION)	
ER1	0.53mm THICK ALUMINIUM SHEETING, S- RIB CORRUGATED
ER2	PROFILED METAL ROOF SHEETING
ER3	EXISTING WOOD SHINGLES
ER4	LIGHT WEIGHT CONCRETE SCREED OVER INSULATION
ER5	DERBIGUM SP4 ON REINFORCED CONCRETE SLAB
ER6	FLEXIBLE WATERPROOFING SLURRY
ER7	REINFORCED LIQUID WATER PROOFING (RC GUTTERS)
ER8	BITUMEN SHEETING (EXPOSED INSULATED ROOF SLAB)
ER9	TRAFFICABLE BITUMEN SHEETING (OPEN-TO-SKY EXPOSED INSULATED ROOF SLAB AT PLANT AREAS)
EXTERNAL WALL TYPES SUMMARY (REFER TO 'DETAILED SPECIFICATIONS' SECTION FOR FULL FINISH SPECIFICATION)	
EW1	EXISTING TYROLLEAN WALL FINISH
EW2	MODULAR CONCRETE FACE BRICK
EW3	NATURAL STONE WALL CLADDING
EW4	SPECIALISED WALL COATING-STONE FINISH
EW5	FBX CLAY FACE BRICK



EW6	PLASTER AND PAINT
EW7	RIVEN WALLING
EW8	NATURAL STONE, RIVEN CLADDING-ROCK FACE
EW9	DUSTY WAY ROCK FACE CLADDING
EW10	MARMORAN-PERMAPLAST
EW11	MARMORAN-PERMACRETE OR MARMORAN-STONE PAINT
EW12	RECONDITIONED EXISTING CEMENT RENDERED FINISH WITH CEMCRETE TO MATCH

PAINTING GENERAL NOTES

GENERAL NOTES

Arrange a meeting with the painting contractor, a representative of the paint manufacturer and the architect/principal agent well in advance of the start of painting work and discuss every aspect of the paintwork. After this meeting, obtain from the manufacturer a written paint specification and a statement that their specification complies with this specification. Exceptions must be specified separately where the manufacturer's specification differs from this specification, and will be acceptable only with the approval of the architect/principal agent. Restrict all paint for one contract to one manufacturer. All containers must reach the site unopened and must bear the SABS-mark and specification number. The complete paint system - primer, undercoat and finishing coat - must be as recommended by the same manufacturer. The paint manufacturer must visit the site at least twice during the course of the paintwork, and confirm his approval of the paintwork in writing in the site instruction book.

PREPARATION

Clean all surfaces before painting. Use sandpaper of the correct grit. Always sandpaper wood with the grain. Remove hemp from pipe joints. When so directed by the architect/principal agent, remove ironmongery, light fittings and other removable fittings. Mark, store and refit after completion. Seal cracks between frames, skirtings, cornices etc. and walls with paintable acrylic sealant. Protect surfaces not to be painted.

COLOURS

The colours of undercoats must match the finishing coat closely but with enough difference to be able to distinguish between all coats. Prepare colour samples of all finishing coats for approval before any bulk paint is purchased.

GENERAL

Sandpaper all coats of paint and varnish and leave time to dry before the next coat is applied. Do not paint when conditions are unsuitable, for example dust, insufficient light, direct sunlight or inclement weather. Spray-paint only where this is the accepted method. Mask all surrounding surfaces when spray-painting.



PAINTING SPECIFIC NOTES

PAINT ON WOODWORK

In the case of existing woodwork that has to be redecorated, wash down if paint is still firm, or remove blistered or broken down paint with a blow-torch or paint remover. Scrape out cracks, holes and crevices and make good with hard stopping. Sand down surfaces with suitable grit abrasive paper or cloth, or with steel wool. Treat knots with wood knotting. Stop nail and screw heads, and cracks, with suitable hard stopping. Prime or seal joinery before building in. This applies to all frames, all six sides of a door, and to rebates and the backs of beads in glazing apertures. Prime external structural timber before fixing. Paint wood as follows: Prime with wood primer to comply with SABS 678, type 2. Paint one universal undercoat to comply with SABS 681, grade 1. Finish with two coats alkyd enamel paint to comply with SABS 630, type 1 for interior use, or type 2 for exterior use, and of specified finish.

CLEAR FINISH ON WOODWORK

Sand down surfaces with suitable grit abrasive paper in the direction of the grain. Remove all pencil marks or other surface discolourations. Clean down existing hardwood that has to be redecorated. Stop nail and screw heads and cracks with tinted stopping to match wood and rub down. Stain wood if specified with approved stain. Apply stain according to the manufacturer's instructions. Provide a separate sample panel for approval of colour and application. Prime backs of skirtings with clear varnish to comply with SABS 887 type 1 before being nailed to the wall. Finish interior wood with one of the following clear finishes, as specified: Apply three coats clear eggshell varnish for interior wood to comply with SABS 887 type 1. Thin down the first coat with mineral turpentine according to the manufacturer's instructions, and allow each coat to dry overnight, or Apply polyurethane varnish to comply with SABS 887 type 2. Thin down the first coat with mineral turpentine according to the manufacturer's instructions, and allow each coat to dry overnight. Finish exterior wood as follows: Apply approved wood preservative to exposed exterior wood to saturate the surface, allowing each coat to soak in before applying further coats. Apply to end grain until no further soaking in takes place.

ALKYD PAINT ON PLASTER

Make sure walls are dry. Remove loose paint from previously painted surfaces. Fill and stop cracks on one coat plaster only with suitable filling or with plaster of the same mix, and rub down. Do not fill gypsum plaster. Paint plaster as follows: Apply one coat bonding liquid on gypsum plaster (two coat plaster) Apply one coat alkali resistant plaster primer to comply with SABS 1416 on one coat plaster Apply one universal undercoat to comply with SABS 681, grade 1 Finish with one or two coats alkyd enamel paint to comply with SABS 630, type 2, and of specified finish.

EMULSION PAINT ON PLASTER

Remove loose paint from previously painted surfaces. Ensure complete drying depth of plaster before applying paint. Rake out cracks and prime with emulsion paint to comply with SABS 1586 grade 2. Paint walls as follows: Apply one coat emulsion paint to comply with SABS 1586, grade 2, thinned down with 10% clean water Apply two coats emulsion paint to comply with SABS 1586, of grade and gloss designation as specified. Paint plastered ceilings as follows: Apply two coats emulsion paint to comply with SABS 1586, of grade and gloss designation as specified.



EMULSION PAINT ON FIBRE CEMENT

Remove loose paint from previously painted surfaces. Touch up steel screw heads and metal cover strips with zinc phosphate primer to comply with SABS 1319. Touch up brass screw heads with vinyl wash primer to comply with SABS 723. Paint fascias, barge boards etc. as follows: Apply one coat emulsion paint to comply with SABS 1586, grade 2, thinned down with 10% clean water. Apply two coats emulsion paint to comply with SABS 1586, of grade and gloss designation as specified.

PAINT TO PVC

Clean PVC thoroughly with a suitable degreasing agent. Abrade lightly. Remove loose paint from previously painted surfaces. Paint PVC one of the following, as specified: Apply one coat vinyl wash primer to comply with SABS 723, and two coats emulsion roof paint to comply with SABS 940, or Apply one coat vinyl wash primer to comply with SABS 723, and two coats emulsion paint to comply with SABS 1586, of grade and gloss designation as specified.

SEALERS

All products to be supplied and installed in accordance with the manufacturer's instructions.

INTUMESCENT PAINT

Apply approved intumescent paint on structural steelwork, electrical cables, PVC pipes, wood and thatch by brush, roller or spray, as specified.

TILING GENERAL NOTES

NON-SLIP TERRAZO, CLAY TERRACOTA, UNGLAZED CERAMIC TILES, PORCELAIN WALL & FLOOR TILES

Porcelain floor and wall tiles must comply with SABS 1449, and be glazed or unglazed, of group A (split or quarry tiles), or group B (dust pressed tiles), and of size, shape, pattern or colour as specified.

SIMULATED STONE TILES

All products to be supplied and installed in accordance with the manufacturer's instructions.

ADHESION

Adhesive must be of approved type, suitable for the tiling work at hand. Provide the architect/principal agent of copies of relevant product literature before any adhesive is purchased.

PREPARATION

Complete all adjacent rough construction work and install and test all services in the background before commencing tiling work. Use only personnel experienced in this type of work. Examine backgrounds, remedy defects and allow to dry to equilibrium. Remove dust, loose matter, efflorescence and laitance. Roughen surface of backgrounds if not rough enough to provide a satisfactory bond, or wet and slush with a 1:2 cement: coarse sand mix, or apply a bonding agent. Where the background to be tiled is of asbestos cement, plasterboard, fibre board or plywood sheets, cover joints with 75 mm wide scrim fixed with adhesive, and coat the whole surface with a suitable water-repellent.



FIXING TILES

Fix tiles in adhesive strictly according to the manufacturer's instructions. Use a white tile adhesive for white marble or marble with a delicate colour.

TILING PATTERNS

Fix tiles with straight joints in both directions, or in agreed or specified pattern. Cut tiles only along sides of wall panels and along floors. The top row of wall tiles must be a full tile or mosaic.

ANGLES

Butt tiles at internal angles. Mitre tiles at external angles.

CILLS & THRESHOLDS

Lay sill tiles to the specified slope and projection over finished wall faces. Where internal sills are specified as sloping, the sill line must coincide with full tiles on the wall surface. Lay external sill tiles symmetrically about the opening, with cut tiles at sill ends. Lay shower threshold tiles sloping towards the shower.

GROUTING & POINTING

Grout joints of width less than 3 mm; point wider joints. If proprietary grout mixes are used, apply according to the manufacturer's instructions. Use epoxy compound or acid-proof cement mortar if surface is to be acid-proof, when specified. Grout or point tiles fixed in adhesive after a time recommended by the manufacturer of the adhesive. Grouting: Dampen joints and apply cement grout with a brush. Work the grout into the joints with a squeegee until joints are filled flush with the surface. Before grout hardens, pencil in the joints with a piece of wood or tool of width the same as that of the joint. Pointing: Dampen joints and fill with cement: sand mortar with a pointing tool. Before mortar hardens, tool the joints to the specified finish.

MOVEMENT JOINTS

Form 6 mm wide movement joints in tiling and through the full depth of the bedding coat: Over movement joints in the background at ceiling level Vertically and horizontally at approximately 4,5 m centres Where tiling is continuous over different backgrounds Fill joints with sealant of approved type. Use patent aluminium movement joint strips with synthetic rubber replaces for joints in floors, when specified. Fix strips through pre-drilled holes using stainless steel screws and plugs at 300 mm centres on both sides of joint.

CLEANING

Sponge the tiled surface with water and polish the tiled surface with a clean, dry cloth. Do not use acid cleaners, scouring powder or abrasive cleaning materials. Protect absorbent floor finishes (for example quarry tiles) with an application of non-slip wax polish or approved proprietary sealer.



FLOOR FINISH TYPES DETAILED SPECIFICATIONS	
FLOOR TYPE F-01	
DESCRIPTION	PARQUET FLOORING -CLASSICAL COMPOSITION or HERRINGBONE PATTERN
SPECIFICATION	<p>1. REMOVE EXISTING FLOOR FINISH IN STATE OF DISREPAIR</p> <p>Strip existing floor covering (Wood Parquet, tiles, carpets, novilon, or vinyl flooring) adhesive completely as well as “all” traces of existing fixative to reveal existing screed. Arrange for Engineer’s inspection and make good screed/surface bed in strict accordance with Engineer’s spec and prepare for new screed where required. Do not attempt to dissolve any old bitumen adhesive by using solvents. It is imperative that the floor is clean, dry, firm and free from dust, loose particles and surface contaminants before proceeding.</p>
	<p>2. REPAIR EXISTING & REPLACE WITH NEW WERE FINISHES ARE IN STATE OF DISREPAIR</p> <p>101.6mm x 914.4mm x 3mm Thick natural Solid Wood Parquet 'Classical Composition' Floor Finish to comply with SABS 281 or latest SANS revision laid in Mini-Planks. Floor Finish to be antimicrobial, waterproof, Mark Resistant, Stain Resistant, Skid Resistant & Scratch Resistant Installed by an approved specialist contractor in an approved pattern To Match with existing on Site with base rectified of any defects and levelled or apply smoothing compounds only to irregularities in the base floor, according to the manufacturer's instructions. Contractor to Inspect and recondition existing. Replace dilapidated wood floor with reconditioned matching cloth baked all brown mosaic timber flooring from other areas as directed, laid on approved adhesive by a specialist in strict accordance to manufacturer's recommendations and to comply with latest SABS standards. Pattern to Be Parquet Or Herringbone To Match With Existing.</p>
FLOOR TYPE F-02	
DESCRIPTION	PARQUET FLOORING-MOSAIC COMPOSITION
SPECIFICATION	<p>1. REMOVE EXISTING FLOOR FINISH IN STATE OF DISREPAIR</p> <p>Strip existing floor covering (Wood Parquet, tiles, carpets, novilon, or vinyl flooring) adhesive completely as well as “all” traces of existing fixative to reveal existing screed. Arrange for Engineer’s inspection and make good screed/surface bed in strict accordance with Engineer’s spec and prepare for new screed where required. Do not attempt to dissolve any old bitumen adhesive by using solvents. It is imperative that the floor is clean, dry, firm and free from dust, loose particles and surface contaminants before proceeding.</p>
	<p>2. REPAIR EXISTING & REPLACE WITH NEW WERE FINISHES ARE IN STATE OF DISREPAIR</p> <p>101.6mm x 914.4mm x 3mm Thick natural Solid Wood Parquet 'Mosaic Composition' Floor Finish to comply with SABS 281 or latest SANS revision laid in Mini-Planks. Floor Finish to be antimicrobial, waterproof, Mark Resistant, Stain Resistant, Skid Resistant & Scratch Resistant Installed by an approved specialist contractor in an approved pattern To Match with existing on Site with base rectified of any defects and levelled or apply smoothing compounds only to irregularities in the base floor, according to the manufacturer's instructions. Contractor to Inspect and recondition existing. Replace dilapidated wood floor with reconditioned matching cloth baked all brown mosaic timber flooring from other areas as directed, laid on approved adhesive by a specialist in strict accordance to manufacturer's recommendations and to comply with latest SABS standards.</p>
FLOOR TYPE F-03	
DESCRIPTION	TIMBER PANELS FLOORING-LINEAR INSTALLATION PATTERN
SPECIFICATION	<p>1. REMOVE EXISTING FLOOR FINISH IN STATE OF DISREPAIR</p> <p>Strip existing floor covering (Wood Parquet, tiles, carpets, novilon, or vinyl flooring) adhesive completely as well as “all” traces of existing fixative to reveal existing screed. Arrange for Engineer’s inspection and make good screed/surface bed in strict accordance with Engineer’s spec and prepare for new screed where required. Do not attempt to dissolve any old bitumen adhesive by using solvents. It is imperative that the floor is clean, dry, firm and free from dust, loose particles and surface contaminants before proceeding.</p>
	<p>2. REPAIR EXISTING & REPLACE WITH NEW WERE FINISHES ARE IN STATE OF DISREPAIR</p> <p>Prefinished Engineered Floors or Veneered floors Made from two or more Layers of Solid Wood. The Top Layer To Be 3-5mm Thick To comply with SABS 281 or latest SANS revision laid in Mini-Planks. Floor Finish to be antimicrobial, waterproof, Mark Resistant, Stain Resistant, Skid Resistant & Scratch Resistant Installed by an approved specialist contractor in an approved pattern To Match with existing on Site with base rectified of any defects and levelled or apply smoothing compounds only to irregularities in the base floor, according to the manufacturer's instructions. Contractor to Inspect and recondition existing. Replace dilapidated wood floor with reconditioned matching cloth baked all brown mosaic timber flooring from other areas as directed, laid on approved adhesive by a specialist in strict accordance to manufacturer's recommendations and to comply with latest SABS standards.</p>
FLOOR TYPE F-04	
DESCRIPTION	NON-SLIP TERRAZZO TILE



SPECIFICATION	<p>1. REMOVE EXISTING FLOOR FINISH IN STATE OF DISREPAIR</p> <p>Strip existing floor covering (Wood Parquet, tiles, carpets, novilon, or vinyl flooring) adhesive completely as well as “all” traces of existing fixative to reveal existing screed. Arrange for Engineer’s inspection and make good screed/surface bed in strict accordance with Engineer’s spec and prepare for new screed where required. Do not attempt to dissolve any old bitumen adhesive by using solvents. It is imperative that the floor is clean, dry, firm and free from dust, loose particles and surface contaminants before proceeding.</p>
	<p>2. PREPARE FLOOR TO RECEIVE NON-SLIP TERRAZZO TILE</p> <p>When tiling directly onto concrete, ensure that the surfaces are clean and free of all traces of curing agents, laitance and any other surface contaminants, preferably by scarifying. Any screeding must be firmly attached to the underlying concrete, must be integrally sound (no crumbling, cracking, etc.) and must be of a quality and consistency suitable for tiling. All defective areas must be removed and the floor made good before proceeding. If the surface has been wood floated it is possible to commence tiling. However, if the surface has been power floated or steel-trowelled it will be necessary to first key the surface with a slurry consisting of 1 part TAL KEYCOAT to 2 parts cement (by volume). While this slurry coat is STILL TACKY, the adhesive must be applied. *</p> <p>Maximum permissible deviation in surface regularity must be 5 mm along a 3 m long straight-edge in any direction and such deviation must be gradual. Deviation of the floor finish from datum level must be ± 15 mm but not near door openings, where levels must be accurate.</p> <p>Any screeding must be firmly attached to the underlying concrete, must be integrally sound (no crumbling, cracking, etc.) and must be of a quality and consistency suitable for tiling. All defective areas must be removed and the floor made good before proceeding.</p> <p>If the surface has been woodfloated it is possible to commence tiling. However, if the surface has been powerfloated or steel-trowelled it will be necessary to first key the surface with a slurry consisting of 1 part TAL KEYCOAT to 2 parts cement (by volume). While this slurry coat is STILL TACKY, the adhesive must be applied. *</p> <p>Maximum permissible deviation in surface regularity must be 5 mm along a 3 m long straight- edge in any direction and such deviation must be gradual. Deviation of the floor finish from datum level must be ± 15 mm but not near door openings, where levels must be accurate.</p>
	<p>3. FIX NON-SLIP TERRAZZO TILE USING RAPID SETTING ADHESIVE</p> <p>Apply TAL GOLD STAR 6 rapid setting adhesive to the background using a TAL notched trowel. In this tiling situation it is imperative that there is a solid bed of adhesive at least 5mm thick beneath each tile. We would recommend the use of a notched TAL FLOOR TROWEL.</p> <p>At no time spread more adhesive than can be tiled onto in 10 - 15 minutes. Depending on atmospheric conditions, this will normally be around 1 square metre. This prevents the adhesive from drying or “skinning” before the tiles are applied.</p> <p>Bed dry tiles (do not soak) firmly into the wet adhesive with a twisting action to ensure full contact between the background, tiles and adhesive. Tiles should be well tapped home with a rubber mallet or the wooden handle of a trowel. It is sound practice to remove the occasional tile to ensure that good contact has been achieved.</p> <p>Clean off any surplus adhesive remaining on the face of tiles and between the joints with a damp sponge before the adhesive dries.</p> <p>Never butt joint tiles. Joints are required to allow the individual tiles to move with respect to each other and thus avoid a compressive stress build-up. They are also required as vents for the tile adhesive to cure. The joints between these tiles must be a minimum of 3mm wide.</p> <p>Do not tile over structural, expansion or cold joints in the background. These joints must be extended through the various layers to the surface.</p>
	<p>4. GROUTING</p> <p>Grouting must not be carried out until sufficient bond has developed between the bedding mix and the tiles to preclude disturbance of the tiles during the grouting operation. Allow a minimum of 4 hours before grouting.</p> <p>INTERNAL AREAS Use grey or coloured TAL WALL & FLOOR GROUT for filling tile joints up to 8mm wide.</p> <p>WET AREAS Use grey or coloured TAL WALL & FLOOR GROUT mixed 20kg with 6 litres of TAL BOND (replacing the water in the mix) for filling tile joints up to 8mm wide.</p> <p>GENERAL / WARNING Particular care must be taken to clean the grout off the tile face before it hardens completely. This is</p>



	<p>especially important when a latex additive such as TAL BOND has been used.</p> <p>A sample of the tiles to be used should be tested beforehand to ensure that no grout is absorbed into the tile body, causing permanent staining of the tiles.</p> <p>It is important to use the stipulated amount of liquid in the TAL Grout mixture. When cleaning, a damp, not wet, sponge must be used. Over hydration (too much water) of the mix, or in cleaning, causes colour variations in the grout joints, and also affects the integrity of the grout, resulting in a friable product.</p> <p>MOVEMENT JOINTS IN GROUTING</p> <p>It should be noted that the lack of movement joints in a tile panel is a major cause of tile failure. They should be specified at the design stage to avoid placing them in heavy traffic areas and spoiling the visual effect of the tiles.</p> <p>Movement joints should be as per tile suppliers' specifications.</p>
FLOOR TYPE F-05	
DESCRIPTION	FULLY FLEXIBLE VINYL SHEETING (Anti-Static & Anti-Slippery)
SPECIFICATION	<p>1. REMOVE EXISTING FLOOR FINISH IN STATE OF DISREPAIR Strip existing floor covering (Wood Parquet, tiles, carpets, novilon, or vinyl flooring) adhesive completely as well as "all" traces of existing fixative to reveal existing screed. Arrange for Engineer's inspection and make good screed/surface bed in strict accordance with Engineer's spec and prepare for new screed where required. Do not attempt to dissolve any old bitumen adhesive by using solvents. It is imperative that the floor is clean, dry, firm and free from dust, loose particles and surface contaminants before proceeding.</p> <p>2. REPAIR EXISTING & REPLACE WITH NEW WERE FINISHES ARE IN STATE OF DISREPAIR 2.5mm Think Heavy Traffic Use, Fully Flexible Vinyl sheeting To Comply With SABS 786, Monolayer Homogeneous, With Static Dissipative Properties Throughout Thickness Of The Fully Flexible Sheeting, Engineered for ESD or SD (anti-static) Protection Vinyl Sheet, Laid on Self -Levelled Smooth Screed glued with conductive adhesive To SABS 070 or Latest Revision In Accordance To Manufacturer's Instructions And Installed By Approved Specialist. Joints Shall be Welded as Per Manufacturer's Specifications With No more than 2mm Gap. Clean & Polish Floor In Compliance With SABS 1042. Colour To Architect Approval On Sample Presentation. Contractor to provide Certificate of Static Current Conductivity.</p>
FLOOR TYPE F-06	
DESCRIPTION	<p>FULL BODY PORCELAIN TILES -MATT</p> <p>600x600x10mm thick full body matt porcelain tile to comply with SABS 1449 laid on approved pattern by an approved specialist to comply with SABS 107 and approved adhesives and grout on screeds With Thickness/Specification in strict compliance to manufacturers instructions and SABS specification. Fittings to include, ribbed angle tiles where there is change of level & Movement Joints of 6mm Wide With Patent Aluminium Movement Joints Strips Consisting Of Synthetic Fibre Inserts Installed At Intervals As Per Manufacturer's Instruction. Colour and pattern to architects approval.</p>
SPECIFICATION	<p>1. PREPARE FLOOR TO RECEIVE NEW PORCELAIN TILES</p> <p>When tiling directly onto concrete, ensure that the surfaces are clean and free of all traces of curing agents, laitance and any other surface contaminants, preferably by scarifying. Any screeding must be firmly attached to the underlying concrete, must be integrally sound (no crumbling, cracking, etc.) and must be of a quality and consistency suitable for tiling. All defective areas must be removed and the floor made good before proceeding. If the surface has been woodfloated it is possible to commence tiling. However, if the surface has been powerfloated or steel-trowelled it will be necessary to first key the surface with a slurry consisting of 1 part TAL KEYCOAT to 2 parts cement (by volume). While this slurry coat is STILL TACKY, the adhesive must be applied. *</p> <p>Maximum permissible deviation in surface regularity must be 5 mm along a 3 m long straight-edge in any direction and such deviation must be gradual. Deviation of the floor finish from datum level must be ± 15 mm but not near door openings, where levels must be accurate.</p> <p>Any screeding must be firmly attached to the underlying concrete, must be integrally sound (no crumbling, cracking, etc.) and must be of a quality and consistency suitable for tiling. All defective areas must be removed and the floor made good before proceeding.</p> <p>If the surface has been woodfloated it is possible to commence tiling. However, if the surface has been powerfloated or steel-trowelled it will be necessary to first key the surface with a slurry consisting of 1 part TAL KEYCOAT to 2 parts cement (by volume). While this slurry coat is STILL TACKY, the adhesive must be applied. *</p> <p>Maximum permissible deviation in surface regularity must be 5 mm along a 3 m long straight-edge in any direction and such deviation must be gradual. Deviation of the floor finish from datum level must be ± 15 mm</p>



	<p>but not near door openings, where levels must be accurate.</p> <p>2. <u>FIX PORCELAIN TILES (MATT & NON-SLIP) USING RAPID SETTING ADHESIVE</u> Apply TAL GOLD STAR 6 rapid setting adhesive to the background using a TAL notched trowel. In this tiling situation it is imperative that there is a solid bed of adhesive at least 5mm thick beneath each tile. We would recommend the use of a notched TAL FLOOR TROWEL. At no time spread more adhesive than can be tiled onto in 10 - 15 minutes. Depending on atmospheric conditions, this will normally be around 1 square metre. This prevents the adhesive from drying or “skinning” before the tiles are applied. Bed dry tiles (do not soak) firmly into the wet adhesive with a twisting action to ensure full contact between the background, tiles and adhesive. Tiles should be well tapped home with a rubber mallet or the wooden handle of a trowel. It is sound practice to remove the occasional tile to ensure that good contact has been achieved. Clean off any surplus adhesive remaining on the face of tiles and between the joints with a damp sponge before the adhesive dries. Never butt joint tiles. Joints are required to allow the individual tiles to move with respect to each other and thus avoid a compressive stress build-up. They are also required as vents for the tile adhesive to cure. The joints between these tiles must be a minimum of 3mm wide. Do not tile over structural, expansion or cold joints in the background. These joints must be extended through the various layers to the surface.</p> <p>3. <u>GROUTING</u> Grouting must not be carried out until sufficient bond has developed between the bedding mix and the tiles to preclude disturbance of the tiles during the grouting operation. Allow a minimum of 4 hours before grouting.</p> <p>INTERNAL AREAS Use grey or coloured TAL WALL & FLOOR GROUT for filling tile joints up to 8mm wide.</p> <p>WET AREAS Use grey or coloured TAL WALL & FLOOR GROUT mixed 20kg with 6 litres of TAL BOND (replacing the water in the mix) for filling tile joints up to 8mm wide.</p> <p>GENERAL / WARNING Particular care must be taken to clean the grout off the tile face before it hardens completely. This is especially important when a latex additive such as TAL BOND has been used. A sample of the tiles to be used should be tested beforehand to ensure that no grout is absorbed into the tile body, causing permanent staining of the tiles. It is important to use the stipulated amount of liquid in the TAL Grout mixture. When cleaning, a damp, not wet, sponge must be used. Over hydration (too much water) of the mix, or in cleaning, causes colour variations in the grout joints, and also affects the integrity of the grout, resulting in a friable product.</p> <p>MOVEMENT JOINTS IN GROUTING It should be noted that the lack of movement joints in a tile panel is a major cause of tile failure. They should be specified at the design stage to avoid placing them in heavy traffic areas and spoiling the visual effect of the tiles. Movement joints should be as per tile suppliers’ specifications.</p>
FLOOR TYPE F-07	
SPECIFICATION	<p><u>CARPET TILE</u> 500mm x 500mm, 100% PFX staple fibre carpet tiles To Comply With SABS 1419 (heavy commercial) consisting of fibres set out on waterproof vinyl backing and to comply with EN 1307 Wear Class 4 (heavy duty), laid with approved adhesive on 30mm thick cement screeds in strict compliance with manufacturer’s instructions. Carpet tiles to conform to BS 4790 on fire rating, and DIN 54324 on wira test and ISO body test at less than 2Kv at 25% RH on static electricity. Colour and pattern to architects approval.</p>
SPECIFICATION	<p>1. <u>REMOVE EXISTING FLOOR FINISH IN STATE OF DISREPAIR</u> Strip existing floor covering (Wood Parquet, tiles, carpets, novilon, or vinyl flooring) adhesive completely as well as “all” traces of existing fixative to reveal existing screed. Arrange for Engineer’s inspection and make good screed/surface bed in strict accordance with Engineer’s spec and prepare for new screed where required. Do not attempt to dissolve any old bitumen adhesive by using solvents. It is imperative that the floor is clean, dry, firm and free from dust, loose particles and surface contaminants before proceeding.</p>
FLOOR TYPE F-08	
SPECIFICATION	<p><u>CLAY TERRACOTA TILES</u> 300 x 300 x 12 (mm) or 230 x 230 x 12 (mm) Clay Floor Tile (Or Size to Match with Existing On Site) Installed to Manufacturer’s Instructions. Contractor to Inspect and recondition existing. Replace dilapidated</p>



	wood floor with reconditioned matching cloth baked all brown mosaic timber flooring from other areas as directed, laid on approved adhesive by a specialist in strict accordance to manufacturer's recommendations and to comply with latest SABS standards.
DESCRIPTION	<p>1. <u>PREPARE FLOOR TO RECEIVE NEW CLAY TERRACOTA TILES</u></p> <p>When tiling directly onto concrete, ensure that the surfaces are clean and free of all traces of curing agents, laitance and any other surface contaminants, preferably by scarifying. Any screeding must be firmly attached to the underlying concrete, must be integrally sound (no crumbling, cracking, etc.) and must be of a quality and consistency suitable for tiling. All defective areas must be removed and the floor made good before proceeding. If the surface has been woodfloated it is possible to commence tiling. However, if the surface has been powerfloated or steel-trowelled it will be necessary to first key the surface with a slurry consisting of 1 part TAL KEYCOAT to 2 parts cement (by volume). While this slurry coat is STILL TACKY, the adhesive must be applied. *</p> <p>Maximum permissible deviation in surface regularity must be 5 mm along a 3 m long straight-edge in any direction and such deviation must be gradual. Deviation of the floor finish from datum level must be ± 15 mm but not near door openings, where levels must be accurate.</p> <p>Any screeding must be firmly attached to the underlying concrete, must be integrally sound (no crumbling, cracking, etc.) and must be of a quality and consistency suitable for tiling. All defective areas must be removed and the floor made good before proceeding.</p> <p>If the surface has been woodfloated it is possible to commence tiling. However, if the surface has been powerfloated or steel-trowelled it will be necessary to first key the surface with a slurry consisting of 1 part TAL KEYCOAT to 2 parts cement (by volume). While this slurry coat is STILL TACKY, the adhesive must be applied. *</p> <p>Maximum permissible deviation in surface regularity must be 5 mm along a 3 m long straight-edge in any direction and such deviation must be gradual. Deviation of the floor finish from datum level must be ± 15 mm but not near door openings, where levels must be accurate.</p>
	<p>2. <u>FIX CLAY TERRACOTA TILES USING RAPID SETTING ADHESIVE</u></p> <p>Apply TAL GOLD STAR 6 rapid setting adhesive to the background using a TAL notched trowel. In this tiling situation it is imperative that there is a solid bed of adhesive at least 5mm thick beneath each tile. We would recommend the use of a notched TAL FLOOR TROWEL.</p> <p>At no time spread more adhesive than can be tiled onto in 10 - 15 minutes. Depending on atmospheric conditions, this will normally be around 1 square metre. This prevents the adhesive from drying or "skinning" before the tiles are applied.</p> <p>Bed dry tiles (do not soak) firmly into the wet adhesive with a twisting action to ensure full contact between the background, tiles and adhesive. Tiles should be well tapped home with a rubber mallet or the wooden handle of a trowel. It is sound practice to remove the occasional tile to ensure that good contact has been achieved.</p> <p>Clean off any surplus adhesive remaining on the face of tiles and between the joints with a damp sponge before the adhesive dries.</p> <p>Never butt joint tiles. Joints are required to allow the individual tiles to move with respect to each other and thus avoid a compressive stress build-up. They are also required as vents for the tile adhesive to cure. The joints between these tiles must be a minimum of 3mm wide. Do not tile over structural, expansion or cold joints in the background. These joints must be extended through the various layers to the surface.</p>
	<p>3. <u>GROUTING</u></p> <p>Grouting must not be carried out until sufficient bond has developed between the bedding mix and the tiles to preclude disturbance of the tiles during the grouting operation. Allow a minimum of 4 hours before grouting.</p> <p>INTERNAL AREAS Use grey or coloured TAL WALL & FLOOR GROUT for filling tile joints up to 8mm wide.</p> <p>WET AREAS Use grey or coloured TAL WALL & FLOOR GROUT mixed 20kg with 6 litres of TAL BOND (replacing the water in the mix) for filling tile joints up to 8mm wide.</p> <p>GENERAL / WARNING Particular care must be taken to clean the grout off the tile face before it hardens completely. This is especially important when a latex additive such as TAL BOND has been used. A sample of the tiles to be used should be tested beforehand to ensure that no grout is absorbed into the tile body, causing permanent staining of the tiles. It is important to use the stipulated amount of liquid in the TAL Grout mixture. When cleaning, a damp, not wet, sponge must be used. Over hydration (too much water) of the mix, or in cleaning, causes colour</p>



	<p>variations in the grout joints, and also affects the integrity of the grout, resulting in a friable product.</p> <p>MOVEMENT JOINTS IN GROUTING It should be noted that the lack of movement joints in a tile panel is a major cause of tile failure. They should be specified at the design stage to avoid placing them in heavy traffic areas and spoiling the visual effect of the tiles. Movement joints should be as per tile suppliers' specifications.</p>
FLOOR TYPE F-09	
SPECIFICATION	<p><u>LINOLEUM TILES</u> 2.0mm thick x 2m wide Linoleum sheeting manufactured to specification EN548, EN687 & EN686 laid in approved adhesive and joints hot seam welded with approved welding rod in compliance to manufacturers installation specifications), on cement screed. Colour and pattern to architects approval. Sizes come in Ranges of 250x250mm or 250x500mm or 500x500mm. Contractor to Inspect and recondition existing. Replace dilapidated wood floor with reconditioned matching cloth baked all brown mosaic timber flooring from other areas as directed, laid on approved adhesive by a specialist in strict accordance to manufacturer's recommendations and to comply with latest SABS standards.</p>
DESCRIPTION	<p>1. <u>PREPARE FLOOR TO RECEIVE NEW LINOLEUM TILES</u> When tiling directly onto concrete, ensure that the surfaces are clean and free of all traces of curing agents, laitance and any other surface contaminants, preferably by scarifying. Any screeding must be firmly attached to the underlying concrete, must be integrally sound (no crumbling, cracking, etc.) and must be of a quality and consistency suitable for tiling. All defective areas must be removed and the floor made good before proceeding. If the surface has been woodfloated it is possible to commence tiling. However, if the surface has been powerfloated or steel-trowelled it will be necessary to first key the surface with a slurry consisting of 1 part TAL KEYCOAT to 2 parts cement (by volume). While this slurry coat is STILL TACKY, the adhesive must be applied. * Maximum permissible deviation in surface regularity must be 5 mm along a 3 m long straight-edge in any direction and such deviation must be gradual. Deviation of the floor finish from datum level must be ± 15 mm but not near door openings, where levels must be accurate.</p> <p>Any screeding must be firmly attached to the underlying concrete, must be integrally sound (no crumbling, cracking, etc.) and must be of a quality and consistency suitable for tiling. All defective areas must be removed and the floor made good before proceeding.</p> <p>If the surface has been woodfloated it is possible to commence tiling. However, if the surface has been powerfloated or steel-trowelled it will be necessary to first key the surface with a slurry consisting of 1 part TAL KEYCOAT to 2 parts cement (by volume). While this slurry coat is STILL TACKY, the adhesive must be applied. *</p> <p>Maximum permissible deviation in surface regularity must be 5 mm along a 3 m long straight-edge in any direction and such deviation must be gradual. Deviation of the floor finish from datum level must be ± 15 mm but not near door openings, where levels must be accurate.</p> <p>2. <u>NEW LINOLEUM TILES USING RAPID SETTING ADHESIVE</u> Apply TAL GOLD STAR 6 rapid setting adhesive to the background using a TAL notched trowel. In this tiling situation it is imperative that there is a solid bed of adhesive at least 5mm thick beneath each tile. We would recommend the use of a notched TAL FLOOR TROWEL. At no time spread more adhesive than can be tiled onto in 10 - 15 minutes. Depending on atmospheric conditions, this will normally be around 1 square metre. This prevents the adhesive from drying or "skinning" before the tiles are applied. Bed dry tiles (do not soak) firmly into the wet adhesive with a twisting action to ensure full contact between the background, tiles and adhesive. Tiles should be well tapped home with a rubber mallet or the wooden handle of a trowel. It is sound practice to remove the occasional tile to ensure that good contact has been achieved. Clean off any surplus adhesive remaining on the face of tiles and between the joints with a damp sponge before the adhesive dries. Never butt joint tiles. Joints are required to allow the individual tiles to move with respect to each other and thus avoid a compressive stress build-up. They are also required as vents for the tile adhesive to cure. The joints between these tiles must be a minimum of 3mm wide. Do not tile over structural, expansion or cold joints in the background. These joints must be extended through the various layers to the surface.</p> <p>3. <u>GROUTING</u> Grouting must not be carried out until sufficient bond has developed between the bedding mix and the tiles to preclude disturbance of the tiles during the grouting operation. Allow a minimum of 4 hours before grouting.</p>



	<p>INTERNAL AREAS Use grey or coloured TAL WALL & FLOOR GROUT for filling tile joints up to 8mm wide.</p> <p>WET AREAS Use grey or coloured TAL WALL & FLOOR GROUT mixed 20kg with 6 litres of TAL BOND (replacing the water in the mix) for filling tile joints up to 8mm wide.</p> <p>GENERAL / WARNING Particular care must be taken to clean the grout off the tile face before it hardens completely. This is especially important when a latex additive such as TAL BOND has been used. A sample of the tiles to be used should be tested beforehand to ensure that no grout is absorbed into the tile body, causing permanent staining of the tiles. It is important to use the stipulated amount of liquid in the TAL Grout mixture. When cleaning, a damp, not wet, sponge must be used. Over hydration (too much water) of the mix, or in cleaning, causes colour variations in the grout joints, and also affects the integrity of the grout, resulting in a friable product.</p> <p>MOVEMENT JOINTS IN GROUTING It should be noted that the lack of movement joints in a tile panel is a major cause of tile failure. They should be specified at the design stage to avoid placing them in heavy traffic areas and spoiling the visual effect of the tiles. Movement joints should be as per tile suppliers' specifications.</p>
FLOOR TYPE F-10	
DESCRIPTION	<p>1. REMOVE EXISTING FLOOR FINISH Strip existing floor covering (tiles, carpets, novilon, or vinyl flooring) adhesive completely as well as "all" traces of existing fixative to reveal existing screed. Arrange for Engineer's inspection and make good screed/surface bed in strict accordance with Engineer's spec and prepare for new screed where required. Do not attempt to dissolve any old bitumen adhesive by using solvents. It is imperative that the floor is clean, dry, firm and free from dust, loose particles and surface contaminants before proceeding.</p>
SPECIFICATION	<p>2. GRANOLITHIC FINISH 40 mm thick untinted Granolithic finish composed of one part cement, one part fine sand, two parts coarse sand and one part granite that would pass through a 5mm mesh sieve; laid by specialist in panels not exceeding 10m2. divided with approved brass dividing strips. All to be manufactured and installed in strict compliance to the latest SABS approved standards. Colour, pattern and aggregate size to architects approval.</p>
FLOOR TYPE F-11	
SPECIFICATION	<p>UNGLAZED CERAMIC SPLIT TILES Size 240 x 240 x 12.5mm thick "NCI TILES" 115-Desert Rose' OR EQUAL AND APPROVED unglazed full-bodied ceramic split tiles group A (Split) to comply with SABS 1449 laid to an approved pattern to comply with SABS 107 with approved adhesives and grout and preparation and fixing in accordance with manufacturer's instructions on cement-sand screeds. Fittings to include "NCI TILES" 'Type 4875', OR EQUAL AND APPROVED, ribbed angle tiles where there is change of level.</p>
DESCRIPTION	<p>1. PREPARE FLOOR TO RECEIVE UNGLAZED CERAMIC SPLIT TILES When tiling directly onto concrete, ensure that the surfaces are clean and free of all traces of curing agents, laitance and any other surface contaminants, preferably by scarifying. Any screeding must be firmly attached to the underlying concrete, must be integrally sound (no crumbling, cracking, etc.) and must be of a quality and consistency suitable for tiling. All defective areas must be removed and the floor made good before proceeding. If the surface has been woodfloated it is possible to commence tiling. However, if the surface has been powerfloated or steel-trowelled it will be necessary to first key the surface with a slurry consisting of 1 part TAL KEYCOAT to 2 parts cement (by volume). While this slurry coat is STILL TACKY, the adhesive must be applied. * Maximum permissible deviation in surface regularity must be 5 mm along a 3 m long straight-edge in any direction and such deviation must be gradual. Deviation of the floor finish from datum level must be ±15 mm but not near door openings, where levels must be accurate.</p> <p>Any screeding must be firmly attached to the underlying concrete, must be integrally sound (no crumbling, cracking, etc.) and must be of a quality and consistency suitable for tiling. All defective areas must be removed and the floor made good before proceeding.</p> <p>If the surface has been woodfloated it is possible to commence tiling. However, if the surface has been powerfloated or steel-trowelled it will be necessary to first key the surface with a slurry consisting of 1 part TAL KEYCOAT to 2 parts cement (by volume). While this slurry coat is STILL TACKY, the adhesive must be applied. *</p>



	<p>Maximum permissible deviation in surface regularity must be 5 mm along a 3 m long straight-edge in any direction and such deviation must be gradual. Deviation of the floor finish from datum level must be ± 15 mm but not near door openings, where levels must be accurate.</p>
	<p>2. <u>INSTALL UNGLAZED CERAMIC SPLIT TILES USING RAPID SETTING ADHESIVE</u> Apply TAL GOLD STAR 6 rapid setting adhesive to the background using a TAL notched trowel. In this tiling situation it is imperative that there is a solid bed of adhesive at least 5mm thick beneath each tile. We would recommend the use of a notched TAL FLOOR TROWEL. At no time spread more adhesive than can be tiled onto in 10 - 15 minutes. Depending on atmospheric conditions, this will normally be around 1 square metre. This prevents the adhesive from drying or “skinning” before the tiles are applied. Bed dry tiles (do not soak) firmly into the wet adhesive with a twisting action to ensure full contact between the background, tiles and adhesive. Tiles should be well tapped home with a rubber mallet or the wooden handle of a trowel. It is sound practice to remove the occasional tile to ensure that good contact has been achieved. Clean off any surplus adhesive remaining on the face of tiles and between the joints with a damp sponge before the adhesive dries. Never butt joint tiles. Joints are required to allow the individual tiles to move with respect to each other and thus avoid a compressive stress build-up. They are also required as vents for the tile adhesive to cure. The joints between these tiles must be a minimum of 3mm wide. Do not tile over structural, expansion or cold joints in the background. These joints must be extended through the various layers to the surface.</p>
	<p>3. <u>GROUTING</u> Grouting must not be carried out until sufficient bond has developed between the bedding mix and the tiles to preclude disturbance of the tiles during the grouting operation. Allow a minimum of 4 hours before grouting.</p> <p>INTERNAL AREAS Use grey or coloured TAL WALL & FLOOR GROUT for filling tile joints up to 8mm wide.</p> <p>WET AREAS Use grey or coloured TAL WALL & FLOOR GROUT mixed 20kg with 6 litres of TAL BOND (replacing the water in the mix) for filling tile joints up to 8mm wide.</p> <p>GENERAL / WARNING Particular care must be taken to clean the grout off the tile face before it hardens completely. This is especially important when a latex additive such as TAL BOND has been used. A sample of the tiles to be used should be tested beforehand to ensure that no grout is absorbed into the tile body, causing permanent staining of the tiles. It is important to use the stipulated amount of liquid in the TAL Grout mixture. When cleaning, a damp, not wet, sponge must be used. Over hydration (too much water) of the mix, or in cleaning, causes colour variations in the grout joints, and also affects the integrity of the grout, resulting in a friable product.</p> <p>MOVEMENT JOINTS IN GROUTING It should be noted that the lack of movement joints in a tile panel is a major cause of tile failure. They should be specified at the design stage to avoid placing them in heavy traffic areas and spoiling the visual effect of the tiles. Movement joints should be as per tile suppliers’ specifications.</p>
FLOOR TYPE F-12	
SPECIFICATION	<p><u>NATURAL SLATE STONES</u> Size 300mm x 300mm x12mm “UNION TILES” OR EQUAL AND APPROVED honed natural stone slate tile laid to set with cement screeds and sealed appropriately and polished in strict compliance with manufacturer’s instruction.</p>
DESCRIPTION	<p>1. <u>PREPARE FLOOR TO RECEIVE NATURAL SLATE STONES</u> When tiling directly onto concrete, ensure that the surfaces are clean and free of all traces of curing agents, laitance and any other surface contaminants, preferably by scarifying. Any screeding must be firmly attached to the underlying concrete, must be integrally sound (no crumbling, cracking, etc.) and must be of a quality and consistency suitable for tiling. All defective areas must be removed and the floor made good before proceeding. If the surface has been woodfloated it is possible to commence tiling. However, if the surface has been powerfloated or steel-trowelled it will be necessary to first key the surface with a slurry consisting of 1 part TAL KEYCOAT to 2 parts cement (by volume). While this slurry coat is STILL TACKY, the adhesive must be applied. *</p> <p>Maximum permissible deviation in surface regularity must be 5 mm along a 3 m long straight-edge in any direction and such deviation must be gradual. Deviation of the floor finish from datum level must be ± 15 mm but not near door openings, where levels must be accurate.</p>



	<p>Any screeding must be firmly attached to the underlying concrete, must be integrally sound (no crumbling, cracking, etc.) and must be of a quality and consistency suitable for tiling. All defective areas must be removed and the floor made good before proceeding. If the surface has been woodfloated it is possible to commence tiling. However, if the surface has been powerfloated or steel-trowelled it will be necessary to first key the surface with a slurry consisting of 1 part TAL KEYCOAT to 2 parts cement (by volume). While this slurry coat is STILL TACKY, the adhesive must be applied. *</p> <p>Maximum permissible deviation in surface regularity must be 5 mm along a 3 m long straight-edge in any direction and such deviation must be gradual. Deviation of the floor finish from datum level must be ± 15 mm but not near door openings, where levels must be accurate.</p>
	<p>2. <u>INSTALL NATURAL SLATE STONES USING RAPID SETTING ADHESIVE</u> Apply TAL GOLD STAR 6 rapid setting adhesive to the background using a TAL notched trowel. In this tiling situation it is imperative that there is a solid bed of adhesive at least 5mm thick beneath each tile. We would recommend the use of a notched TAL FLOOR TROWEL. At no time spread more adhesive than can be tiled onto in 10 - 15 minutes. Depending on atmospheric conditions, this will normally be around 1 square metre. This prevents the adhesive from drying or “skinning” before the tiles are applied. Bed dry tiles (do not soak) firmly into the wet adhesive with a twisting action to ensure full contact between the background, tiles and adhesive. Tiles should be well tapped home with a rubber mallet or the wooden handle of a trowel. It is sound practice to remove the occasional tile to ensure that good contact has been achieved. Clean off any surplus adhesive remaining on the face of tiles and between the joints with a damp sponge before the adhesive dries. Never butt joint tiles. Joints are required to allow the individual tiles to move with respect to each other and thus avoid a compressive stress build-up. They are also required as vents for the tile adhesive to cure. The joints between these tiles must be a minimum of 3mm wide. Do not tile over structural, expansion or cold joints in the background. These joints must be extended through the various layers to the surface.</p> <p>3. <u>GROUTING</u> Grouting must not be carried out until sufficient bond has developed between the bedding mix and the tiles to preclude disturbance of the tiles during the grouting operation. Allow a minimum of 4 hours before grouting.</p> <p>INTERNAL AREAS Use grey or coloured TAL WALL & FLOOR GROUT for filling tile joints up to 8mm wide.</p> <p>WET AREAS Use grey or coloured TAL WALL & FLOOR GROUT mixed 20kg with 6 litres of TAL BOND (replacing the water in the mix) for filling tile joints up to 8mm wide.</p> <p>GENERAL / WARNING Particular care must be taken to clean the grout off the tile face before it hardens completely. This is especially important when a latex additive such as TAL BOND has been used. A sample of the tiles to be used should be tested beforehand to ensure that no grout is absorbed into the tile body, causing permanent staining of the tiles. It is important to use the stipulated amount of liquid in the TAL Grout mixture. When cleaning, a damp, not wet, sponge must be used. Over hydration (too much water) of the mix, or in cleaning, causes colour variations in the grout joints, and also affects the integrity of the grout, resulting in a friable product.</p> <p>MOVEMENT JOINTS IN GROUTING It should be noted that the lack of movement joints in a tile panel is a major cause of tile failure. They should be specified at the design stage to avoid placing them in heavy traffic areas and spoiling the visual effect of the tiles. Movement joints should be as per tile suppliers’ specifications.</p>
FLOOR TYPE F-13	
SPECIFICATION	MULTI-PURPOSE SPORTS FLOORING 9mm thick ‘TARAFLEX SPORT PERFORMANCE PLUS (Colour-maple desogn CODE 6381)’ by Gerflor (colour to architects approval) adhered to 21mm thick cement screed in strict accordance to the manufacturer’s specifications OR EQUAL AND APPROVED.
FLOOR TYPE F-14	
SPECIFICATION	CEMENT SAND SCREED 30mm thick polished cement sand screed with 13mm Stone Nominal aggregate for Topping to comply with SABS 1083 or latest revision for concrete.
DESCRIPTION	CAST NEW STEEL TROWELLED SCREED



1. **CAST NEW STEEL TROWELLED SCREED (MIN. 40mm THICK & TO FALLS WHERE REQUIRED)**

Cement must comply with SABS ENV 197-1, strength class 32,5 or higher.

Type, composition and strength of the cement must be shown on the bag or the delivery slip of bulk cement. Bags must be SABS-mark bearing.

Keep bagged cement in a dry store. Always use the oldest cement first. Do not use bagged cement with lumps that cannot be crumbled by hand.

Aggregate; Aggregate for toppings and screeds must comply with SABS 1083 for concrete. Supply grading test results if required by the architect/principal agent.

Topping; Mix cement, sand and stone by volume or by mass to produce concrete of at least 20 MPa strength at 28 days.

Mix proportions may be arrived at by a process of mix design or by the use of recognised tables of trial mixes with South African aggregates.

Mixing of concrete may be done by hand, or preferably by forced-action mechanical mixers, for 3 minutes. If mixed by hand, mix the dry ingredients, then add just enough water to produce a workable consistence.

Measure consistence with the standard slump test as described in SABS Method 862-1:1994 and as directed by the architect/principal agent.

Screeds; Mix proportion of cement-sand screeds must be 1 part cement to 3½ parts sand, or 50 kg (one sack) cement to 130 ℓ sand. Add just sufficient water to achieve a plastic, workable consistence.

Preparation; Ensure all piped services are in position in the base. Do not bury services in the topping or screed.

Ensure the base concrete is hard and strong, free of cracks and reasonably accurate to the required level.

Clean the surface by chipping if necessary and remove all dust.

Wet the surface only if the concrete is absorptive.

Prepare bay forms for toppings to coincide with joints in the base.

Finishing

Finish surfaces of toppings and screeds as follows:

Where a hard smooth finish is *specified*, leave finish undisturbed for about two to three hours (longer in cold weather), remove bleed water and laitance on the surface, and steel trowel until the desired texture is obtained. Use power trowels if areas are large

Where a hard non-slip finish is *specified*, steel-trowel as above and subsequently lightly texture with carpet-faced floats or soft brushes

Where a brushed surface is *specified* (for example to external finishes), lightly brush with a broom to achieve a non-slip texture

Do not add dry cement at any stage. Do not trowel too soon, and avoid over trowelling.

Joints; Form isolation joints through the full thickness of screeds against walls, columns or other fixed objects, to coincide with isolation joints in the base, and 20 mm wide.

In the case of toppings, form intermediate contraction joints dividing the topping into panels not exceeding 9 m² by sawing halfway through the thickness of the topping with a mechanical concrete saw.

Accuracy; Deviation of the floor finish from datum level must be ±15 mm but not near door openings, where levels must be accurate.

Maximum permissible deviation in surface regularity must be 5 mm along a 3 m long straight-edge in any direction and such deviation must be gradual.

Thresholds and stair treads; Form thresholds to external doors by removing 75 - 100 mm of the foundation wall over the width of the door opening, and casting a concrete topping threshold over the full width of the wall. Cast the threshold against a metal dividing strip under the door, as described below. Provide thresholds and stair treads with 75 mm wide reeding, stopped 100 mm from the threshold ends.

Curing; Cure the finish for at least seven days by ponding water on the surface, covering with sand which is kept moist, or with plastic sheet. Extend the curing time in cold weather, i.e. when the ambient temperature falls below 10 °C.

Inspection, testing and repair; Inspect the screed or topping as late as possible in the construction program. Test the adhesion of the screed or topping to the base by tapping the surface with a hammer or the end of a rod.

A hollow sound indicates lack of adhesion, in which case the architect/principal agent must decide whether repair work is necessary.

Isolated rejected panels by sawing with a mechanical concrete saw in an acceptable pattern, remove and relay, using the same procedure as above, starting with preparation of the base.



	Screed to be cast to falls where required. Refer to Engineering Drawings for fall indications and levels.
FLOOR TYPE F-15	
SPECIFICATION	GRAVEL FINISH ON SAND LAYER 32mm Gravel On Compacted Sand Layer Base as Per PSE Details Installed in All Duct Chambers Accommodating Sanitary Services.
FLOOR TYPE F-16	
SPECIFICATION	INTERLOCKING PAVERS (RIGID PAVING/VEHICULAR WAYS) 220mm x 197mm x 80 mm thick concrete interlocking pavers, 25 mpa, manufactured to SABS Spec 3058, laid on sand bedding to civil/structural engineer's specification to a 'herringbone' pattern to the Architect's approval.
FLOOR TYPE F-17	
SPECIFICATION	EXTERIOR MULTI COLOURED CONCRETE INTERLOCKING PAVERS 65mm thick multi-coloured concrete pavers laid on sand bedding to civil/structural engineer's specification in approved pattern and compacted to approval and grouted in strict accordance to manufacturer's specifications. All to be manufactured and installed in strict compliance to SABS 1058 or Latest Revision.



SKIRTING TYPES DETAILED SPECIFICATIONS	
SKIRTING TYPE S1	
DESCRIPTION	HARDWOOD OR EQUAL AND APPROVED
SPECIFICATION	"Ex 75mm x 20mm Moulded Hardwood Skirting" to comply with SANS 1099, fixed to walls in long lengths with splayed heading joints and mitred corners with screws and plugs at centres not exceeding 600mm , and fixed with a 19mm x 19mm quadrant beading. The skirting to be vanished with 3No. coats of egg shell clear vanish to comply with SABS/SANS 381 type 1.
SKIRTING TYPE S2	
DESCRIPTION	GRANOLITHIC FINISH
SPECIFICATION	75mm High x 20 mm thick untinted Granolithic Skirting Covered at 25mm dia. Radius To Form a Continuous Skirting Adjoining The Floor Finish. Areas of Separation To Be divided with approved brass dividing strips. All to be manufactured and installed in strict compliance to the latest SABS approved standards. Colour, pattern and aggregate size to architects approval. Colour To Match With Floor Finish
SKIRTING TYPE S3	
DESCRIPTION	MDF BOARD
SPECIFICATION	170mm high x 20mm thick 'Supawood', OR EQUAL AND APPROVED, MDF skirting board with bull nosed top fixed to walls in long lengths with splayed heading joints and mitred corners with screws and plugs at centres not exceeding 600mm, and primed to approval and painted with 2 coats 'DULUX', OR EQUAL AND APPROVED matt finish alkyd paint to approval.
SKIRTING TYPE S4	
DESCRIPTION	UNGLAZED CERAMIC SPLIT TILES
SPECIFICATION	240 wide x 100 high x 11.5 thick with 20mm coved skirting NCI skirting tile (Colour Desert rose 115) factory manufactured skirting OR EQUAL AND APPROVED fitted together with internal and external type 4000 corner skirting all laid by specialist in strict accordance with manufacturer's instructions.
SKIRTING TYPE S5	
DESCRIPTION	PORCELAIN TILE SKIRTING
SPECIFICATION	600mm wide x 100mm high x 7mm thick matt porcelain tile to comply with SABS 1449 laid with approved adhesives and grout on 22mm thick screeds in strict compliance to manufacturers instructions and SABS specification, with cove base and straight tops. Complete with corner and top trims. Fittings to include, ribbed angle tiles where there is change of level. Colour and pattern to architects approval.
SKIRTING TYPE S6	
DESCRIPTION	CEMENT SAND SCREED
SPECIFICATION	75 mm high x 20 mm thick hardened cement sand screed skirting coved at 50 mm dia. to form a continuous joint with the adjoining screed floor finish to PA's approval. All to be manufactured and installed in strict compliance With SABS 1083 or latest revision.



WALL TYPES

NOTE: Existing walls Surfaces to be prepared as indicated on general preparation for walls to be cleaned and to receive new final coating

WALL TYPE R1	
DESCRIPTION	NEW EMULSION (PVA) PAINT FINISH- FULL HEIGHT 2 no. coats of PVA matt finish emulsion paint to SABS 1586 applied on plastered surface primed and with 1 no. Coat undercoat to SABS 681 grade1, in accordance to manufacturer's instructions.
SPECIFICATION	<p>1. <u>PREPARE & APPLY NEW PAINT</u></p> <p>Ensure that surfaces are dry, sound and clean. Allow curing 14 days before painting. Remove any hollow and soft plaster and replaster. Remove dirt and loose particles. Fill cracks and other surface defects with the appropriate filler. Moisture content measured with a Doser Hygrometer (or equivalent) must not exceed B2 scale - 8 %</p> <p>Apply one coat of Professional Gypsum and Plaster Primer to achieve a continuous film. Allow 16 hours to dry. Apply two full coats of paint to achieve complete obliteration, allowing 1 Hour drying between coats.</p> <p>Colour of paint to be confirmed by Architect</p>
WALL TYPE R2	
DESCRIPTION	NEW ENAMEL PAINT FINISH 2 no. coats matt (egg shell) finish alkyd (enamel) paint to SABS 630, type 2 applied on plastered surfaces with 1 no coat alkali resistant plaster primer to SABS 1416 and 1 no. coat undercoat to SABS 681 grade1, in accordance to manufacturer's instructions.
SPECIFICATION	<p>1. <u>PREPARE & APPLY NEW PAINT</u></p> <p>Ensure that surfaces are dry, sound and clean. Allow to cure 14 days before painting. Remove any hollow and soft plaster and replaster. Remove dirt and loose particles. Fill cracks and other surface defects with the appropriate filler. Moisture content measured with a Doser Hygrometer (or equivalent) must not exceed B2 scale - 8 %</p> <p>Apply one coat of Professional Gypsum and Plaster Primer to achieve a continuous film. Allow 16 hours to dry. Apply two full coats of paint to achieve complete obliteration, allowing 1 hour drying between coats.</p> <p>Colour of paint to be confirmed by Architect</p>
WALL TYPE R3	
	<u>GLAZED PORCELAIN WALL TILES / ENAMEL PAINT COMBO</u>
DESCRIPTION	Combination of; 600mm wide x 300mm x 7mm thick high glazed porcelain tiles To Specification "R4", laid on 15 mm thick plaster prepared to receive wall tiles fixed with approved adhesives and grout in compliance to manufacturer's specifications and government standard specifications laid from finish floor level to window level AND ENAMEL paint to specification "R2" To Comply with SABS 630 or latest revision applied from 2100 mm above finished floor level to ceiling height all in strict compliance to manufacturer's instructions. All to be manufactured and installed in strict compliance to the latest SABS Standards.
WALL TYPE R4	
DESCRIPTION	WALL TILES TO CEILING HEIGHT
SPECIFICATION	<p>1. <u>REMOVE EXISTING WALL FINISHES</u></p> <p>REMOVE EXISTING SANITARY, STRIP TILES AND PAINT from behind existing sanitary and remove all tiles.</p> <p>2. <u>PREPARE & APPLY NEW TILES</u></p> <p>Shower cubicles, ablutions and Main Kitchens to be tiled to ceiling height</p>



	600mm x 300mm x 7mm thick high glazed Porcelain tiles with PVC edge trim where specified. to Comply with SABS 22 or Latest revision, laid on 15 mm thick plaster prepared to receive wall tiles fixed with approved adhesives and grout in compliance to manufacturer's specifications and government standard specifications. Tiles to be laid to full ceiling height. All to be manufactured and installed in strict compliance SABS 22 Standard. All to be manufactured and installed in strict compliance SABS 22 Standard.
WALL TYPE R5	
DESCRIPTION	TEXTURED WALL COATING-FINE PARTICLES
SPECIFICATION	Textured low sheen finish wall coating based on a fine particle size pure acrylic Polymer applied by an approved specialist applicator with texture roller, on suitably primed wood float plastered wall to match existing, by an approved specialist in strict compliance with manufacturer's instructions. Colour to Architect's approval.
WALL TYPE R6	
DESCRIPTION	TEXTURED WALL COATING-1.5mm THICK POLISHED PLASTER
SPECIFICATION	1No. Coat "Marmoran Décor Classica (Colour Apricot Sundae)", 1.5mm thick polished plaster with 2No Coats of approved "Crete designer glaze" applied appropriately on primed plasters installed by an approved specialist in strict compliance with manufacturer's instruction or EQUAL and APPROVED.
WALL TYPE R7	
DESCRIPTION	ACOUSTIC TIMBER PANELLED WALL - VERTICAL CONTINUOUS PANELS
SPECIFICATION	22mm thick high density particle board finished with R4 and fixed with countersunk screws at 400 c/c onto 300mm galvanised steel studs mounted on a steel hat channel bolted to floor in strict accordance to WSF standards Supplied and Installed as Per Acoustic Specialist Instructions.
WALL TYPE R8	
DESCRIPTION	EXISTING TYROLLEAN WALL FINISH
SPECIFICATION	Cullamix Tyrolean sprayed coloured mortar or cement mix, hand applied with a Tyrolean gun, or a top fed hopper gun powered by a compressor to provides an open honeycomb textured (Tyrolean) finish To Form a Cullamix Tyrolean which is a cementitious finish; BS 5262 Code of practice for external renderings, and BS 8000-10 Workmanship on building sites. Code of practice for plastering and rendering, should be followed at all times. The Product to Be Fire resistance, non-combustible and would should meet a Class 0 fire rating when applied to non-combustible substrates. Contractor to Inspect and recondition existing. Replace dilapidated wood floor with reconditioned matching cloth baked all brown mosaic timber flooring from other areas as directed, laid on approved adhesive by a specialist in strict accordance to manufacturer's recommendations and to comply with latest SABS standards.
WALL TYPE R9	
DESCRIPTION	EXISTING STONE CLADDING
SPECIFICATION	Reconditioned existing stone cladding: - Inspect and recondition existing. Replace damaged stone with Approved stone cladding to match existing laid on approved adhesive by a specialist in strict accordance to manufacturer's recommendations and to comply with latest SABS standards. Colour and pattern to match existing.
WALL TYPE R10	
DESCRIPTION	NEW STONE CLADDING
SPECIFICATION	New Stone Cladding: - Install new Approved stone cladding to match existing laid on approved adhesive by a specialist in strict accordance to manufacturer's recommendations and to comply with latest SABS standards. Colour and pattern to match existing.
WALL TYPE R11	
DESCRIPTION	EXISTING FACE BRICK
SPECIFICATION	Reconditioned existing facebrick: - Inspect, clean down and make good existing face brick and mortar joints. Replace damaged face brick units in and make good disturbed works.
WALL TYPE R12	
DESCRIPTION	NEW FACE BRICK



SPECIFICATION	FBX face brick in common running bond to comply with SABS 227 and forming part of the structural work.
WALL TYPE R12	
DESCRIPTION	RECONDITIONED EXISTING CEMENT RENDERED FINISH WITH CEMCRETE TO MATCH
SPECIFICATION	<p>Ensure that surfaces are dry, sound and clean. Allow curing 14 days before painting. Remove any hollow and soft plaster and replaster. Remove dirt and loose particles. Fill cracks and other surface defects with the appropriate filler. Moisture content measured with a Doser Hygrometer (or equivalent) must not exceed B2 scale - 8 % Apply 15mm thick cemcrete external wall finish on stock brick walls and finished with 1No. coat universal undercoat and 3no. coats of 'Dulux Double velvet', OR EQUAL AND APPROVED, PVA paint applied in accordance with manufacturer's instructions. Colour to Architect's selection.</p>

CILL/REVEAL TYPES

CILL/REVEAL TYPE CR-01	
DESCRIPTION	AS FOR WALLS
SPECIFICATION	Cill/Reveal to match as for adjacent wall.



CEILING TYPES

SURFACE TYPE 1: PREPARATION FOR A CONCRETE SOFFIT TO RECEIVE PAINT	
DESCRIPTION	REMOVE EXISTING FINISH FROM EXISTING CONCRETE SOFFIT, PREPARE AND PAINT
SPECIFICATION	<ol style="list-style-type: none"> 1. <u>REMOVE EXISTING FINISH AND SMOOTH EXISTING PLASTERED SOFFIT WHERE REQUIRED</u> Existing paint finish to be removed and existing plastered soffit to be sanded and smoothed with gypsum plaster where required. 2. <u>PREPARE SURFACE TO RECEIVE PAINT</u> Surface to be dry, sound and clean and cured for a minimum of 28 days, with a moisture content, measured with a Doser Hygrometer (or equivalent), of BD 4 scale - 5% or less. 3. <u>PRIME & PAINT SOFFIT</u> Prime with one coat of Glatex 8 Undercoat (PL 2) with an overcoating time of 8 hours and finish with two coats of Glatex 8 (PL) with 16 hours drying time between coats, for a maintenance cycle of 10 years in a C1 - inland environment. Colour to be white. Plascon Glatex 8 or similar Architect approved.
SURFACE TYPE 2: PREPARATION ON TRUSS, RAFTER OR CONCRETE SOFFIT TO RECEIVE NAILED OR SUSPENDED CEILING	
DESCRIPTION	TRUSS, RAFTER OR CONCRETE SOFFIT SUSPENSION
SPECIFICATION	<ol style="list-style-type: none"> 1. <u>WHERE INTERNALLY SPECIFIED</u> Suspended ceiling panels in all installations are to be 1200 x 600 x 6mm Calcium Silicate vinyl finish with 25mm Fire retardant polystyrene insulation backing glued on or 1200 x 600 x 6mm fibre cement vinyl finished, embossed or painted with 25mm high density polystyrene insulation backing glued on. Ceilings and support framework are to comply with Part T of the national building regulations with tiles in compliance with Surface Fire Index Test : SANS 10177 Part 3 Class 1 and SANS 428 overall classification Class B/B1/2. Hangers for suspended ceilings are to be 19mm wide by 0.5mm thick galvanised strapping, strapped and secured to tie beams by means of 32mm rubber screws or fixed to concrete soffits by means of 6 x 30mm express nails and washers. All tee sections and wall trimmings to be of galvanised metal powder coated to specified colour. Grid Tee system to consist of 38 x 24 x 0.35mm Fire rated Main and Cross tees. Main tee suspended at 1200mm centres and Cross tees to be fitted at 600mm centres, at right angles to main tees. Room perimeter to be finished with 20 x 20 x 20 x 20 x 0.5mm Shadowline Wall Trim fixed to wall by means of wall anchors at 450mm centres. Support T sections for light fittings to be secured at diagonal corners of fitting to roofing members or concrete soffits. Fittings to ceilings or hospital curtain track hangers are to be secured through suspended ceiling grid system and supported from roof truss tie beams or concrete slab. In theatres, ceilings are to be plastered concrete. One hour fire brake on top of existing 230mm walls to underside of concrete slab or roof structure, consisting of 65 x 6.5 x 0.5mm Drywall tracks at wall top and roof or slab with 63.5 x 35 x 0.5mm Drywall studs fixed vertically at 600mm centres with Wafertek screws. Fit 15mm Fire Guard board on both sides by means of 25mm Drywall screws at 230mm centres. Fire wall cavity to be lined internally with Ultimate U Thermo 6 , 50mm mineral fibre insulation board. System in compliance with SANS 10177 part 2-2005, with a minimum 60 minute fire rating.



CEILING TYPE C-01	
SPECIFICATION	GYPSUM BOARDS FLUSH PLASTERED CEILINGS OR EQUAL AND APPROVED
DESCRIPTION	6,4mm rhino gypsum plasterboard ceiling on and including donn suspension grid system with 63mm wide strips of mesh scrim nailed over joints and finished with 5mm thick gypsum skim plaster to smooth polished surface and in strict accordance to specialist's recommendations.
CEILING TYPE C-02	
SPECIFICATION	FIBRE CEMENT BOARDS (H-JOINTED)
DESCRIPTION	6mm thick fibre cement ceiling boards nailed on EX 38mmx50mm timber brandering, with matching coved cornice and all necessary accessories, finished with 3 No. coats of super PVA external quality paint colour to PA's approval. All to be manufactured and installed in strict compliance to the latest SABS approved standards.
CEILING TYPE C-03	
SPECIFICATION	PATENT SUSPENDED ACOUSTIC TILES OR EQUAL AND APPROVED
DESCRIPTION	" 600mm x 600mm x 15mm DONN celotex sand micro acoustic panels or equal and approved acoustic panels on and including DONN FLB T/15 white powder coated exposed Tee Suspension system including main and cross tees, necessary hangers, grids, all to comply with latest SANS 803 including all necessary accessories and installed in strict accordance to manufacturer's specifications.
CEILING TYPE C-04	
SPECIFICATION	EMULSION (PVA) PAINT OR EQUAL AND APPROVED
DESCRIPTION	"Emulsion (PVA) Paint on Skimmed Plastered Slab" 3No. coats of PVA emulsion ceiling paint to latest SANS 1586 approved on 6mm thick lightweight hemi-hydrate gypsum plaster on concrete slab soffit.
CEILING TYPE C-05	
SPECIFICATION	TONGUE & GROOVED TIMBER PANELS OR EQUAL AND APPROVED
DESCRIPTION	32mm wide x 19mm thick Meranti tongued and grooved timber panels to comply with SABS 1039 secret nailed on 38x38mm battens laid with shorter lengths to match the space and finished with 3No. coats of eggshell varnish to comply with SABS 381 type 1. The cornice to be moulded Meranti hardwood to (SABS 1099 or later revision), size 75mm wide and similarly varnished.
CEILING TYPE C-06	
SPECIFICATION	SUSPENDED VINYL CLAD FIBRE-CEM TILE (INSULATED/ MOISTURE RESISTANT)
DESCRIPTION	600mm x600 mm x 9mm thick 'GSP Ceilings' "code B201", OR EQUAL AND APPROVED, suspended vinyl-clad gypsum ceiling tile with white textured finish of face side, installed in 24mm T-grid system complete with all necessary accessories to strict compliance to the manufacturer's specifications.

CORNICE TYPES

CORNICE TYPE CN-01	
DESCRIPTION	NO CORNICE
SPECIFICATION	Area does not require a cornice. In the instance where the ceiling and wall meet, ensure this Junction is neat and acceptable to the Architect
CORNICE TYPE CN-02	
DESCRIPTION	SHADOW LINE CORNICE TO SUSPENDED CEILING SYSTEM
SPECIFICATION	Satin white epoxy coated aluminium shadow mould 30 cornice, fixed to plastered brickwork with 5 x 25mm wall anchors at 450mm centres.



PREPARATION OF ROOF RECEIVING SURFACES	
EXISTING ROOF COVERING TYPE 1: ENCAPSULATION OF ASBESTOS	
DESCRIPTION	ENCAPSULATION OF ASBESTOS & REPLACING IT WITH A NEW ROOF COVERING AS PER SPECIFICATION.
SPECIFICATION	Encapsulation of asbestos strictly as per the entomologist and safety agent/ consultant's instructions and recommendations. Prepare the roof structure in accordance to the structural engineer's details, to receive a new roof structure.
SURFACE TYPE 2: EXISTING ROOF COPVERING TO BE REATINED.	
DESCRIPTION	REPAIR OF EXISTING ROOF COPVERING TO BE REATINED.
SPECIFICATION	Retain and repair existing roof coverings in sections as per the Entomologist's instructions and recommendations. Prepare the roof structure in accordance to the structural engineer's details, to receive a new roof structure.
SURFACE TYPE 3: NEW CONCRETE SLAB	
SPECIFICATION	Prepare the roof structure in accordance to the structural engineer's details. Provide insulation and waterproofing as per the architect's specification.
DESCRIPTION	
SURFACE TYPE 3: NEW ROOF COVERINGS ON NEW ROOF STRUCTURE	
SPECIFICATION	Prepare the roof structure in accordance to the structural engineer's details. Provide insulation and waterproofing as per the architect's specification.
ROOF COVERINGS, INSULATION & WATERPROOFING	
DESCRIPTION	
ROOF COVERING TYPE ER1	
SPECIFICATION	0.53mm THICK ALUMINIUM SHEETING, S- RIB CORRUGATED
DESCRIPTION	<p>ROOF SHEETING: 0.53mm thick Aluminium sheeting, S- rib corrugated profile with 700mm cover, concealed fix profile with a double interlocking side lap, profile AZ150 spelter G550 (colour to be confirmed by architect) finish top coat and grey backing coat roof sheeting, fixed to the roof structure as per the structural engineer details or existing.</p> <p>RIDGE CAPPING: 0,53mm thick Aluminium az150 spelter G550 (colour to be confirmed by architect) finish top coat and grey backing coat, girth 550mm ridge cap (code: fk73), fixed in accordance with manufacturer`s specifications.</p> <p>VALLEY GUTTER: 0,53mm thick Aluminium az150 spelter G550 (colour to be confirmed by architect) finish top coat and grey backing coat, girth 610mm valley gutter, fixed in accordance with manufacturer`s specifications.</p> <p>HEADWALL FLASHING: 0,53mm thick Aluminium AZ150 spelter G550 (colour to be confirmed by architect) finish top coat and grey backing coat, girth 375mm headwall flash (code: fk78), fixed in accordance with manufacturer`s specifications.</p> <p>SIDEWALL FLASHING: 0,53mm thick Aluminium az150 spelter g550 (colour to be confirmed by architect) finish top coat and grey backing coat, girth 408mm sidewall flash (code: fk79), fixed in accordance with manufacturer`s specifications.
• installation region: exceeding 1km and not exceeding 5km from the coast.</p> <p>GUTTERS 150mm x 125mm x 0.6mm thick industrial ogee coated internally and externally with colourtech g4 in colour charcoal including cut and mitred angles covered with a mitre strip externally, stop ends riveted and all sealed on the inside with dow corning 813 silicone sealer, secured to metal roof sheets with 25 x 2,5mm l - shaped and 20 x 3mm dual-purpose brackets at 500mm centres using Aluminium pop rivets, including expanded Aluminium mesh leaf guard set over gutter with 101mm diameter x 1,62mm thick Aluminium downpipe in colour (to be determined by architect) fixed to wall with holderbats, with downpipes riveted and silicone sealed to gutter outlets, including all necessary bends, elbows, shoes etc. stop ends crimped onto the ogee gutter & sealed on the inside with dow corning 813 silicone sealer.</p> <p>DOWNPIPES: 100 x 75 x 0,6mm rectangular fluted Aluminium down pipes with crimped bends painted externally and</p>



	internally with colourtech g4 high performance non-fluorinated polymer modified long chain hydro-carbon paint and, along with the copper pipes, come with a 10 year guarantee.
ROOF COVERING TYPE ER2	
SPECIFICATION	PROFILED METAL ROOF SHEETING
DESCRIPTION	<p>ROOF SHEETING: 0.8mm thick concealed fixing roofing sheets manufactured from roll-formed from certified steel complying with ISQ 550 (3T). The profile shall have three trapezoidal ribs at 203mm centres giving a nett cover of 406mm. Rib height shall be 41mm and provide capillary breaks. Male rib shall have spurs at 285mm centres to ensure a positive double interlocking action at side-laps. Each pan shall incorporate two stiffener ribs. Profiled roof sheets to be coated on both sides with Z275 galvanising (commercial quality) to SABS 934 or later editions laid on approved insulation on structural Timber/Steel structure incorporating all accessories such as flashings and eave closers in strict compliance to Manufacturers instructions. (Straight or curved as in Drawing) Insulation: Approved light industrial Sisalation in strict accordance with manufacturer's recommendation and to latest SABS standards.</p> <p>GUTTER: 3mm pre galvanised steel purpose made steel gutters and fascias welded and fixed to steel framework and sealed all round.</p> <p>DOWNPIPE: 3mm pre painted Galvanised mild steel downpipes fixed to or built into walls or cast in concrete columns, sealed all round with 200 x 200 x 3mm pre painted Galvanised steel hollow section downpipes fixed to brickwork or steel including brackets and self-taping screws.</p> <p>FASCIA BOARD: Approved 225x12mm thick fibre cement fascia board in strict accordance to roofing specialist and latest SABS standards.</p>
ROOF COVERING TYPE ER2	
SPECIFICATION	EXISTING WOOD SHINGLES
DESCRIPTION	<p>Repair and Replace Cracked, warped, missing, or broken Wood shingles by:</p> <ol style="list-style-type: none"> Split the defective shingle along the wood grain, using a hammer and chisel as shown in the photo at the top of the page, and pull out as many pieces of the shingle as you can. Slide a flat bar up under the shingle and pry out the nails with a few hammer blows. (Or, for a neater job, you can cut off the nails using a hacksaw or a special shingle ripper as shown here, available at hardware stores or roofing supply companies). Take care not to damage the roofing paper or sheathing beneath the shingles. Measure and cut a replacement shingle to fit the space, making it 1/2 inch narrower than the space (leaving 1/4-inch clearance on each side so the wood can expand with moisture changes). If shingles have very tight, straight grain, you can split them—otherwise cut them with a power saw.
ROOF COVERING TYPE ER4	
SPECIFICATION	LIGHT WEIGHT CONCRETE SCREED OVER INSULATION
DESCRIPTION	40mm thick lightweight concrete screed laid on approved geo composite drainage layer having a minimum mass of 210g/m ² . Screed laid to fall and cast in of 12 sqm maximum, separated by movement joints and separated from bounding walls at the perimeter by isolation joints.
ROOF COVERING TYPE ER5	
SPECIFICATION	DERBIGUM SP4 ON REINFORCED CONCRETE SLAB
DESCRIPTION	4mm thick 'Derbigum SP' waterproofing membrane as per Derbigum reinforced waterproofing systems or EQUAL AND APPROVED complete with one coat of primer, one coat bed coat and a saturation coat, all laid on R.C. slab by approved specialist in strict accordance with manufacturer's instructions and in conformity with requirements of "African Water Proofing Institute" of RSA.
ROOF COVERING TYPE ER6	
SPECIFICATION	FLEXIBLE WATERPROOFING SLURRY
DESCRIPTION	'Duraflex' two component polymer modified, cementitious coating applied on 30mm screed laid to fall on R.C. slab by approved specialist in strict accordance with manufacturer's instructions and in



	conformity with requirements of "African Water Proofing Institute" of RSA.
ROOF COVERING TYPE ER7	
SPECIFICATION	REINFORCED LIQUID WATER PROOFING (RC GUTTERS)
DESCRIPTION	5No. coats i.e. primer, bed coat, saturation coat and 2No. top coats of rubberised bitumen reinforced with a non woven needle-punched polypropylene fibre fabric with a mass of 125-150g/m ² applied on 30mm screed on concrete slab and gutter sides by approved specialist in strict accordance with manufacturer's instructions and in conformity with requirements of "African Water Proofing Institute" of RSA. To be finished in UV protection 'Bituminous Aluminium Paint, to approval.
ROOF COVERING TYPE ER8	
SPECIFICATION	BITUMEN SHEETING (EXPOSED INSULATED ROOF SLAB)
DESCRIPTION	4mm thick modified bitumen waterproofing membrane laid on 50mm thick x 600mm width laminated high density 32-36kg/m ³ flame retardant rigid extruded polystyrene 100% closed cell thermal insulation boards, with 'Shiplap' joint all round laid tightly butted to waterproofing membrane in strict compliance to the manufacturer's instructions. To be finished in UV protection Bituminous Aluminium Paint, to approval.
ROOF COVERING TYPE ER9	
SPECIFICATION	TRAFFICABLE BITUMEN SHEETING (OPEN-TO-SKY EXPOSED INSULATED ROOF SLAB AT PLANT AREAS)
DESCRIPTION	4mm thick modified bitumen waterproofing membrane on 50mm thick x 600mm width laminated high density 32-36kg/m ³ flame retardant rigid extruded polystyrene 100% closed cell thermal insulation boards, with 'Shiplap' joint all round laid tightly butted to waterproofing membrane in strict accordance to the manufacturer's specifications. Waterproofing membrane finished with 40mm thick lightweight concrete screed laid on approved geocomposite drainage layer having a minimum mass of 210 g/m ² . Screed lain to falls and cast in panels of 12 sqm maximum, separated by movement joints and separated from bounding walls at the perimeter by isolation joints.

EXTERNAL FINISHES	
NOTE: Existing walls Surfaces to be surfaces to be prepared as indicated on general preparation for walls to be cleaned and to receive new final coating	
EXTERNAL WALL TYPE EW1	
SPECIFICATION	EXISTING TYROLLEAN WALL FINISH
DESCRIPTION	Cullamix Tyrolean sprayed coloured mortar or cement mix, hand applied with a Tyrolean gun, or a top fed hopper gun powered by a compressor to provides an open honeycomb textured (Tyrolean) finish To Form a Cullamix Tyrolean which is a cementitious finish; BS 5262 Code of practice for external renderings, and BS 8000-10 Workmanship on building sites. Code of practice for plastering and rendering, should be followed at all times. The Product to Be Fire resistance, non-combustible and would should meet a Class 0 fire rating when applied to non-combustible substrates. Contractor to Inspect and recondition existing. Replace dilapidated wood floor with reconditioned matching cloth baked all brown mosaic timber flooring from other areas as directed, laid on approved adhesive by a specialist in strict accordance to manufacturer's recommendations and to comply with latest SABS standards.
EXTERNAL WALL TYPE EW2	
SPECIFICATION	MODULAR CONCRETE FACE BRICK
DESCRIPTION	222 x 90 thick x 70mm high coloured ('Gold' colour) 'bush-hammered' modular concrete face bricks, incorporating 222 x 106 thick x 70mm high corner bricks at outer corners and all necessary wall ties and fixed as per the manufacturer's specifications, fixed to structural retaining walls to approval. Mortar joints keyed to approval.
EXTERNAL WALL TYPE EW3	
SPECIFICATION	NATURAL STONE WALL CLADDING
DESCRIPTION	400x400mm honed Quartzite tiles with a coat of 'Keynote' applied to the back of the tiles and fixed/adhered to masonry wall with suitable adhesive and sealed and polished in strict accordance to manufacturer's specification. (Colour to Architects approval) NB. For walling higher than 6m steel angle iron supports (to structural Engineers Approval) to be installed every 2m to support tiles.



EXTERNAL WALL TYPE EW4	
SPECIFICATION	SPECIALISED WALL COATING-STONE FINISH
DESCRIPTION	Textured low sheen finish wall coating based on a fine particle size pure acrylic Polymer applied by an approved specialist applicator with texture roller, on suitably primed plastered wall- wood float finish, by an approved specialist in strict compliance with manufacturer's instructions. Colour to Architect's approval.
EXTERNAL WALL TYPE EW5	
SPECIFICATION	FBX CLAY FACE BRICK
DESCRIPTION	Clay Works FBX face brick in common running bond to comply with SABS 227 and forming part of the structural work. Mortar joints keyed to approval.
EXTERNAL WALL TYPE EW6	
SPECIFICATION	PLASTER AND PAINT
DESCRIPTION	15mm thick cement sand plaster on stock brick walls and finished with 1No. coat universal undercoat and 3no. coats of 'Dulux Double velvet', OR EQUAL AND APPROVED, PVA paint applied in accordance with manufacturer's instructions. Colour to Architect's selection.
EXTERNAL WALL TYPE EW7	
SPECIFICATION	RIVEN WALLING
DESCRIPTION	"Union Tile" Random 200 x 40mm Quartzite interlocking rivens wall cladding or equal and approved incorporating all wall tiles and accessories fixed to masonry wall in strict accordance to manufacturer's specification. Contractor to Inspect and recondition existing. Replace dilapidated wood floor with reconditioned matching cloth baked all brown mosaic timber flooring from other areas as directed, laid on approved adhesive by a specialist in strict accordance to manufacturer's recommendations and to comply with latest SABS standards.
EXTERNAL WALL TYPE EW8	
SPECIFICATION	NATURAL STONE, RIVEN CLADDING-ROCK FACE
DESCRIPTION	"Union Tile" 'Natural Stone collection, Rivens cladding, Rock Face', Random 200 x 400 x 30mm and 200x200x30 Country Cameo (sandstone) wall cladding or equal and approved incorporating all wall tiles and accessories fixed to masonry wall in strict accordance to manufacturer's specification. Colour-To Match existing On site and per Architect Approval. Contractor to Inspect and recondition existing. Replace dilapidated wood floor with reconditioned matching cloth baked all brown mosaic timber flooring from other areas as directed, laid on approved adhesive by a specialist in strict accordance to manufacturer's recommendations and to comply with latest SABS standards.
EXTERNAL WALL TYPE EW9	
SPECIFICATION	DUSTY WAY ROCK FACE CLADDING
DESCRIPTION	"Union Tile" Dusty Way Rock Face Cladding 200x300 wall cladding or equal and approved incorporating all wall tiles and accessories fixed to masonry wall in strict accordance to manufacturer's specification. Colour-To Match existing On site and per Architect Approval. Contractor to Inspect and recondition existing. Replace dilapidated wood floor with reconditioned matching cloth baked all brown mosaic timber flooring from other areas as directed, laid on approved adhesive by a specialist in strict accordance to manufacturer's recommendations and to comply with latest SABS standards.
EXTERNAL WALL TYPE EW10	
SPECIFICATION	MARMORAN-PERMAPLAST
DESCRIPTION	Marmoran" 'Permaplast' (Colour-Milky way) OR EQUAL AND APPROVED, fine-textured wall coating applied by an approved specialist applicator with texture roller, on suitably primed plastered wall, by approved specialist in strict compliance with manufacturer's instructions. To include masking tape keying (panel sizes to architects approval).
EXTERNAL WALL TYPE EW11	
SPECIFICATION	MARMORAN-PERMACRETE OR MARMORAN-STONE PAINT
DESCRIPTION	"Marmoran 1.5mm thick PERMACRETE (Random Pattern) OR EQUAL AND APPROVED, with 2No. coats of approved "Marmoran Glaze", fine-textured roller, on suitable primed plastered wall, by an approved specialist in strict compliance with manufacturer's instructions. To include masking tape keying (panel sizes to architects approval). (Colour-Hot Chocolate)



EXTERNAL WALL TYPE EW12	
DESCRIPTION	RECONDITIONED EXISTING CEMENT RENDERED FINISH WITH CEMCRETE TO MATCH
SPECIFICATION	<p>Ensure that surfaces are dry, sound and clean. Allow curing 14 days before painting. Remove any hollow and soft plaster and replaster. Remove dirt and loose particles. Fill cracks and other surface defects with the appropriate filler. Moisture content measured with a Doser Hygrometer (or equivalent) must not exceed B2 scale - 8 % Apply 15mm thick cemcrete external wall finish on stock brick walls and finished with 1No. coat universal undercoat and 3no. coats of 'Cemcrete', OR EQUAL AND APPROVED, PVA paint applied in accordance with manufacturer's instructions. Colour to Architect's selection.</p>

1. All WCS to be comply with SABS 497 & Fitted with "Jazz Thermoset Plastic Seat".
2. WC Cisterns to have 6-7 litres adjustable with small discharge valve access pneumatic discharge valve Installed with dual flush ability & complete with all necessary fittings to manufacturer's specification and applicable SABS standards.
3. Flush valve to be fitted with blank flush plate.

SANITARYWARE- WC TYPES	
WC TYPE Z1	WC 1(Back-to-Wall WC)- Preferred Option In All Toilets Except Paraplegic
SPECIFICATION	'Vaal Sanitaryware' vitreous china "Parktown" 90° outlet, top inlet (Code 431500) closed rim back-to-wall pan or EQUAL & APPROVED to comply with SABS 497. Fitted complete with exposed top inlet flush-valve complete with all necessary fittings, quality approved heavy duty thermoset lid, seat and complete with all necessary fittings to manufacturer's specification and applicable SABS standards. Flush valve to be fitted with blank flush plate.
WC TYPE Z2	WC 2 (CC)- Alternative Option To WC Type Z1
	'Vaal sanitaryware' Vitreous china "Tuscany" (Code 772863) OR EQUAL AND APPROVED close coupled 90° outlet closed rim wash down pan to comply with SABS 497. Fitted complete with matching 7 litre pushbutton top dual flush cistern fitted with quality approved heavy duty thermoset lid, seat and complete with all necessary fittings as per manufacturer's specifications and applicable SABS standards.
WC TYPE Z3	WC 3 (Disabled)- Preferred Option for all Paraplegic
SPECIFICATION	'Vaal Sanitaryware' vitreous china "Pearl" Paraplegic Semi Close Coupled Suite (Code 730103WH) or EQUAL & APPROVED to comply with SABS 497. WC installed with Raised LL pan with 6L bottom inlet cistern with purpose made CP side flush lever, purpose made thermoset seat with cover plate, rear and side grab rails. Necessary Fittings to be Protea paraplegic pan (Code 50202WH), Pearl cistern (7300LPWH), Pearl seat (Code 7300Z000), Side Grab Rail (Code 8939Z000), Cistern Grab Rail (Code 8940Z000) Fixed with Screws (Code 8513Z000) or EQUAL & APPROVED
WC TYPE Z4	WC 4 (Disabled)- Alternative Option To WC Type Z3
SPECIFICATION	Vaal Sanitaryware' vitreous china 90o outlet "Orchid" (Code 439016) OR EQUAL AND APPROVED, wall hang open rim pan, back inlet pan to comply with SABS 497. Fitted complete with Back inlet exposed flush-valve complete with all necessary fittings as per manufacturer's specifications and applicable SABS standards. Flush valve to be fitted with suitable extension lever. Flush valve to be fitted with blank flush plate.
WC TYPE Z5	WC 5 (Ceramic Standard WC (Cc)- Concealed Cistern



SPECIFICATION	Vitreous china 900 outlet WC or equal and approved top inlet closed rim back-to-wall pan, Floor Mounted to comply with SABS 497 & Fitted with "Jazz Thermoset Plastic Seat". Fitted with Concealed Flushing Cistern for WC 6-7 litres adjustable with small discharge valve access pneumatic discharge valve Installed with dual flush ability & complete with all necessary fittings to manufacturer's specification and applicable SABS standards. Flush valve to be fitted with blank flush plate.
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SANITARYWARE- SHOWERS & BATHS TYPES	
WC TYPE Y1	900x900 S.S. SHOWER TRAY & SHOWER SET- ASSISTED SHOWER
SPECIFICATION	<p>Stainless steel shower tray 900 x 900 x 88 mm manufactured as one piece from grade 304 (18/10) stainless steel, to SABS 906 with rounded internal corners, slip resistant patterned base and 38 mm BSP grated waste fitting in corner position and fitted with mixer shower set complying with SABS 226 comprising of approved:</p> <ul style="list-style-type: none"> • 1No. under tile shower mixer • 2" wall elbow outlet with wall flange; Chrome Plated. • 1/2" acrylic adjustable hand shower; Chrome Plated • 1/2" x 1/2" flexible metal tubing: Chrome Plated min. 1250mm long; • Chrome Plated Master-slide' rail with conical sliding holder. <p>Shower tray recessed 50 mm into a 975x975 x100 mm high laid to fall in situ concrete plinth finished with non slip self levelling (sand textured) epoxy to comply with SABS 801 applied in accordance to manufacturer's specification.</p>
WC TYPE Y2	SHOWER CUBICLE- 4mm SLIP RESISTANT EPOXY GRADED FALL
SPECIFICATION	<p>Apply 4mm slip resistant epoxy graded fall to outlet in shower cubicles where standard size for shower tray cannot be accommodated. Provide 38 mm BSP grated waste fitting in corner position and fitted with mixer shower set complying with SABS 226 comprising of approved:</p> <ul style="list-style-type: none"> • 1No. under tile shower mixer • 2" wall elbow outlet with wall flange; Chrome Plated. • 1/2" acrylic adjustable hand shower; Chrome Plated • 1/2" x 1/2" flexible metal tubing: Chrome Plated min. 1250mm long; • Chrome Plated Master-slide' rail with conical sliding holder. <p>Shower tray recessed 50 mm into a 975x975 x100 mm high laid to fall in situ concrete plinth finished with non slip self levelling (sand textured) epoxy to comply with SABS 801 applied in accordance to manufacturer's specification.</p>
WC TYPE Y3	900x900 ACRYLIC SHOWER TRAY & SHOWER SET- IDEA IN COASTAL AREAS
SPECIFICATION	<p>Acrylic shower tray to comply with SABS 1402 size 900 x 900 x 150mm high with rounded internal corners, slip resistant patterned base complete with 40mm waste fitting and Shower set complying with SABS 226 comprising of approved:</p> <ul style="list-style-type: none"> • Overhead shower arm with metal wall flange, 380 mm X 90 projection. • Undertile mixer with wall plate • Chrome Plated Shower Head with ball jointed connector. <p>Shower tray to be recessed 50 mm into a 975mm x 975 mm x 100 mm high concrete plinth with exposed plinth face tiled.</p>
WC TYPE Y4	900x900 POLYMER PARAPLEGIC SHOWER & SHOWER SET- PARAPLEGIC USE
SPECIFICATION	<p>Vandal resistant shower tray manufactured from polymer concrete (composite) slip resistant patterned base and 38 mm BSP grated waste fitting in corner position fitted with mixer shower set complying with SABS 226 comprising of approved;</p> <ul style="list-style-type: none"> • 1No. undertile shower mixer • 2" chrome plated wall elbow outlet with wall flange, • 1/2" acrylic adjustable hand shower, • 1/2" x 1/2" flexible metal tubing 008/4 chrome plated 1250mm long; • Chrome plated 'slide' rail with conical sliding holder. <p>Shower tray recessed 50 mm into a 975x975 x100 mm high laid to fall in situ concrete plinth finished with non slip self levelling (sand textured) epoxy to comply with SABS 801 applied in accordance to manufacturer's specification.</p>
WC TYPE Y5	BATH TUB & BATH MIXER
SPECIFICATION	<p>1700 x 700 x 1.8mm thick enamelled steel rectangular bathtub without handles bathtub white in colour. Fitted with:</p> <ul style="list-style-type: none"> • Chrome Plated Hand shower installed complete with 1250mm long flexible hose with conical end, • Chrome Plated wall outlet elbow with wall flange and hand shower fitting wall bracket - swivel hand shower with screws and plugs.



	<ul style="list-style-type: none"> • Bath/shower diverter mixer-wall with sliding wall flanges and concealed connections adjustable from 178mm to 203 mm centres. • Overflow, trap, waste sealed with silicone sealant. <p>Exposed sides closed off with brick-on-edge infill and tiled</p>
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SANITARYWARE- WHB TYPES	
WHB TYPE B1	WHB & MIXER TAP
SPECIFICATION	Vaal Sanitaryware' vitreous china size 560 x 415mm rounded 'Tuscany', OR EQUAL AND APPROVE basin to comply with SABS 497 with single taphole configuration supplied with integrated overflow and chainstay hole through the centre semi-punched supplied with a 'Tuscany' pedestal and fitted with 1No. 'Cobra Watertech' 15mm chrome pushbutton demand pillar tap with flanged backnut (code KM2.102) metering tap, 309-32 CP anti-theft plug with spindle, 308 basin waste, 365/40 CP Bottle Trap, mounting kit and angle valves.
WHB TYPE B2	DISABLED BASIN
SPECIFICATION	Vitreous china 510 x 420mm semi rounded lavatory basin to comply with SABS 497, in two tap hole configuration fitted with; 2No. chrome plated Elbow action pillar-tap, with ¼ turn ceramic disc head and blue & Red indicators water applications and flanged backnut, chrome plated waste, chrome plated 32 mm standing overflow tube, chrome plated Bottle Trap supplied with all necessary pipe connections. Fixed with concealed wall bracket in accordance to the manufacturer's specifications.
WHB TYPE B3	WHITE GLAZED PORCELAIN WHB (VANITY)
SPECIFICATION	Ceramic fireclay size 450x350mm oval self-rimming vanity basin to comply with SABS 497 in one tap hole configuration supplied without overflow and fitted with: 1No. chrome plated tap with flanged backnut (code KM2.102) metering tap, mounting kit and angle valves 400mm long flexible inlets and chrome plated bottle trap supplied with all necessary pipe connections. Basin mounted on cabinet or vanity slab with silicon sealant between contact areas in strict accordance to manufacture's specifications.
WHB TYPE B4	SMALL BASIN & 2 TAPSTRAY & SHOWER SET (FOR WORKSHOPS)
SPECIFICATION	Vitreous china size 455x290mm wash basin to comply with SABS 497 in 2-tap hole configuration supplied with integrated overflow and chainstay hole with; 2No. pillar taps, chrome plated anti-theft plug with spindle plug, slotted basin waste, chrome plated Bottle Trap, mounting kit and angle valves with 400mm long flexible inlets supplied with all necessary pipe connections. All brackets and fixing accessories in strict accordance to the manufacturer's specifications.
WHB TYPE B5	H/DUTY BASIN & 1No. TAP (FOR LABS)
SPECIFICATION	Ceramic fire clay 560x405mm rectangular heavy duty basin in one taphole configuration to comply with SABS 497 and RHS hole plugged and fitted with; 1No. pillar tap, Chrome Plated anti-theft plug with spindle plug, slotted basin waste, chrome plated Bottle Trap, mounting kit and angle valves with 400mm long flexible inlets supplied with all necessary pipe connections. Fitted to wall using 2No. Semi-concealed cast iron brackets in accordance to the manufacturer's specifications.
WHB TYPE B6	MEDIC BASIN & FITTINGS (SICK BAY)
SPECIFICATION	Vitreous china 510 x 420mm semi rounded lavatory basin to comply with SABS 497, in two tap hole configuration fitted with; 2 No.chrome plated Elbow action pillar-tap, with turn ceramic disc head and blue & Red indicators water applications and flanged backnut, chrome plated waste, chrome plated 32mm standing overflow tube, chrome plated Bottle Trap supplied with all necessary pipe connections. Fixed with concealed wall bracket in accordance to the manufacturer's specifications. Combination of sanitaryware, accessories and general fittings comprising of: <ul style="list-style-type: none"> • Mirror type K2. • Paper towel dispenser K8 and bin type K3. • Soap dispenser type K9. • Splashback comprising 2no. rows of wall tile finish type R5 as per finishes schedule and grout in compliance to manufacturer's specifications and government standard specifications. Installation heights as indicated in the drawings.

SANITARYWARE- SINKS & WASH TROUGHS TYPES	
WHB TYPE X1	SS DOUBLE SINK & MIXER (INSET)
SPECIFICATION	Stainless steel 1500 x 457mm inset double end bowl with recessed drainage ledge and folded edges. Bowl to be fitted to kitchen cupboard (cupboard elsewhere measured), Grade 304 (18/10) Stainless Steel sink to comply with SABS 906 fitted with: Approved Sink mixer- wall type, with chrome plated



	overarm swivel Outlet, adjustable wall flanges and supplied with suitable accessories in accordance to manufacturer's specifications. Sink installation height = 900mm AFFL.
WHB TYPE X2	SS SINGLE SINK & MIXER (INSET)
SPECIFICATION	Stainless steel 1000 x 457mm inset single end bowl with recessed drainage ledge and folded edges. Bowl to be fitted to kitchen cupboard (cupboard elsewhere measured), Grade 304 (18/10) Stainless Steel sink to comply with SABS 906 fitted with: Approved Sink mixer- wall type, chrome plated swivel Outlet, adjustable and supplied with suitable accessories in accordance to manufacturer's specifications. Rough brass. Sink installation height = 900mm AFFL.
WHB TYPE X3	BLANKET WASH TROUGH (Wall Mounted)- HOT & COLD WATER
SPECIFICATION	Blanket Washtrough manufactured in 1.2mm 304 SS, complete with two gallow brackets and front legs for floor and wall mounting with 40mm waste to one end. Sloped front with wash ridges for cleaning blankets. Bowl size: 1200 x 400 x 300mm deep with sloping ribbed front and radius corners; fitted with approved Sink mixer- wall type, chrome plated swivel Outlet, adjustable and supplied with suitable accessories in accordance to manufacturer's specifications. Rough brass. Sink installation height = 900mm AFFL. Un-slotted sink waste with back nut and plug with stirrup. And complete with sliding wall flanges, 'P' trap, with deep seal and cleaning eye. Rough brass.
WHB TYPE X4	CERAMIC SINK
SPECIFICATION	Ceramic fireclay 435 x 335 x 180 mm Rectangular laboratory sink without overflow with a centre end waste outlet, fitted to the wall on two semi-concealed brackets supplied with all necessary accessories (all to be acid resistant).
WHB TYPE X5	SINGLE WASH TROUGH & 2 NO. BIB TAPS- COLD WATER ONLY
SPECIFICATION	490x420x298mm deep (internal dimensions) Single stainless steel Washtrough, with MS gallow brackets 19mm tubing for fixing to wall. Fitted with Approved 2No. CP bibtaps - plain extended chrome plate, complete with sliding wall flanges, Un-slotted sink waste with backnut and plug with stirrup CP, 'P' trap, with deep seal and cleaning eye. Rough brass. Sink installation height = 900mm AFFL.
WHB TYPE X6	SINGLE WASH TROUGH (inset) & 2 no. TAPS
SPECIFICATION	600mm x 500mm Inset Washtrough, manufactured from grade 18/10 SS, stainless steel with radiused internal corners and provision for a 40mm dia. outlet. Fitted with Approved 2No. CP bibtaps - plain extended chrome plated, complete with sliding wall flanges, Un-slotted sink waste with back nut, plug with stirrup, chain and stay. CP, 'P' trap, with deep seal and cleaning eye. Rough brass. Sink installation height = 900mm AFFL. Cut out size 535 x 425mm.
WHB TYPE X7	DOUBLE WASH TROUGH (Wall Hung) & 2 no. TAPS
SPECIFICATION	1200 x 553 x 260mm Double bowl wall hung washtub manufactured from grade 304 (18/10) SS, radiused internal corners and provision for a 40mm dia. outlet, fitted with: Approved 2no wall type bibtaps, with Swivel Outlet, adjustable wall flanges and exposed adjustable connections. CP. Un-slotted sink waste with back nut and plug with stirrup. CP, Double drain black rubber deep seal 'P'-Trap. Sink mounted on 2no. 25mm square SS gallow brackets, front leg and adjustable foot piece at height of 915mm AFFL.
WHB TYPE X8	SLOP HOPPER UNIT /SINK- Hot and Cold water taps with chromed Extension pieces.
SPECIFICATION	540 x 540mm Slop Hopper with grid, with a 100mm high integral splashback to the rear and both sides with an integral flushing rim fitted with a 38mm x 250mm long vertical flush pipe inlet. Hot and Cold water taps with chromed extension pieces with 50mm ø s/steel support rail under taps with flanges for bolting onto wall. A hinged bucket grid shall be fitted over funnel, manufactured from 10mm Grade 304 (18/10) SS round bar. Unit to be installed together with: Approved Flushvalve compression pan connector to suit. Trap to rest on floor. Unit to be provided with suitable wall fixing brackets all in strict accordance to manufacturers instructions.

SANITARYWARE- ACCESSORIES

TYPE K1	TOILET ROLL HOLDER (2-roll)- All Wet Areas
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SPECIFICATION	135mmWx270mmHx275mmD 2 toilet roll dispenser. Toilet roll dispenser to be theft proof, lockable container with keys and to carry three standard toilet rolls. Used roll to be easily removed from unit below without having to unlock unit. Unit to be manufactured from mild steel and epoxy powder coated - colour white. Unit to be fixed to wall with four screws. Complete with screws, locking key, and all necessary accessories and installed in accordance to manufacturer's specifications.
TYPE K2	TOWEL RING- For Kitchens & Sluice- Staff Residences
SPECIFICATION	221 mm dia. Polished towel ring complete with all necessary accessories in accordance to manufacturer's specifications. Installation height as per architect's drawing.
TYPE K3	TOWEL RAIL (900mm)- All Wet Areas
SPECIFICATION	55mm dia. Polished 900mm long towel rail complete with all necessary accessories in accordance to manufacturer's specifications. Installation height as per architect's drawing.
TYPE K4	MIRROR (600X900)- Staff areas
SPECIFICATION	6mm thick clear float glass silver-backed mirror, size 450x600mm height with polished bevelled edges 4 times holed for and fixed, with chromium plated dome-headed mirror screws.
TYPE K5	HEAVY DUTY MIRROR (600X450)- Student areas
SPECIFICATION	Heavy Duty 600 x450 x 15mm Grade 18/10 stainless steel screwed to wall polished beveled edges 4 times holed for and fixed, with chromium plated dome-headed mirror screws installed in public ablutions.
TYPE K6	PAPER TOWEL DISPENSER- All Wet Areas
SPECIFICATION	350mmWx365mmHx230mmD tear and dry paper hand towel dispenser in White plastic. Complete with screws, locking key, and all necessary accessories and installed in accordance to manufacturer's specifications.
TYPE K7	HAND DRYER (Hands free)- All Wet Areas
SPECIFICATION	As per Electrical Engineers specification
TYPE K8	SOAP DISH - RECESSED (Ceramic)- Alternative to K14
SPECIFICATION	Single semi-recessed ceramic soap dish Complete with all necessary accessories and installed in accordance to manufacturer's specifications.
TYPE K9	SANITARY BIN (PLASTIC)- All Wet Areas
SPECIFICATION	190mm x 320mm x 600mm Plastic Sanitary Pedal Bin with capacity of 100 Liners per pack Complete with all necessary accessories and installed in accordance to manufacturer's specifications.
TYPE K10	SOAP DISPENSER (Hands free)- Paraplegic Areas
SPECIFICATION	115W x 270H x 110D plastic Hands Free soap dispenser. Complete with screws, locking key, and all necessary accessories and installed in accordance to manufacturer's specifications.
TYPE K11	PAPER TOWEL DISPENSER (Hands Free)- Alternative to K10
SPECIFICATION	226W x 390H x 290D Electronic paper towel dispenser complete with all necessary accessories in accordance to manufacturer's specifications.
TYPE K12	SS SOAP DISPENSER (Recessed)- Alternative to K15
SPECIFICATION	128W x 632H x 147D Recessed soap dispenser manufactured form 18/10 Stainless Steel (Elbow action lever type with bottle container for dispensing of the liquid as in the High Scrub grade 304 stainless steel type.), surface Satin Finish, material thickness 1.5mm, replaceable and refillable 1 Litre, cylinder lock with a standard key, including screws and dowels and all other necessary accessories in accordance to manufacturer's specifications.
TYPE K13	SS SOAP DISPENSER (Recessed)- Alternative to K14
SPECIFICATION	128W x 632H x 147D Recessed soap dispenser manufactured form 18/10 Stainless Steel, surface Satin Finish, material thickness 1.5mm, replaceable and refillable 1 Litre, cylinder lock with a standard key, including screws and dowels and all other necessary accessories in accordance to manufacturer's specifications.



TYPE K14	SS SOAP DISPENSER (Wall Mounted)- All Wet Areas
SPECIFICATION	100W x 304H x 134D Soap Dispenser manufactured from 18/10 Stainless Steel, surface Satin Finish, material thickness 1.5mm, replaceable and refillable 1 Litre, cylinder lock with standard key, including screws and dowels and all other necessary accessories in accordance to manufacturer's specifications.
TYPE K15	SS TOILET ROLL HOLDER- 1 Roll (Recessed)- All Wet Areas
SPECIFICATION	153W x 153H x 65D Recessed Toilet Roll Holder manufactured from 18/10 Stainless Steel, surface Satin finish, including screws and dowels and all other necessary accessories in accordance to manufacturer's specifications.
TYPE K16	SS WASTE BIN (Recessed)- All Wet Areas
SPECIFICATION	328W x 862H x 203D Recessed Waste Bin manufactured from 18/10 Stainless Steel, surface Satin Finish, material thickness 1.5mm, including screws and dowels and all other necessary accessories in accordance to manufacturer's specifications.
TYPE K17	SS WASTE BIN (Pedal)- All Wet Areas
SPECIFICATION	Heavy Duty Stainless Steel Pedal Bin (12ltr) with Plastic Removable Bucket Manufactured from 0.7mm Stainless Steel 430 Mirror Finished Interior and Exterior.
TYPE K18	SS SANITARY TOWEL DISPOSAL BIN- All Female Toilets
SPECIFICATION	Heavy Duty Stainless Steel Pedal sanitary Bin (26ltr) with Plastic Removable Bucket Manufactured from 0.7mm Stainless Steel 430 Mirror Finished Interior and Exterior.
TYPE K19	SIDE GRAB RAIL (without centre flange)
SPECIFICATION	32mm diameter stainless steel Dog-leg side grab rail, without centre flange in satin polished finish complete with SS fixing screws and plastic wall plugs, as per manufacturer's instructions.
TYPE K20	BACK GRAB RAIL (flushvalve toilet)- All Paraplegic WC with Flushvalve WC type
SPECIFICATION	32mm diameter stainless steel flushvalve back rail in satin polished finish, complete with SS fixing screws and plastic wall plugs, installed at 800mm above floor level as per manufacturer's instructions.
TYPE K21	SHOWER CORNER GRAB RAIL-All Paraplegic Showers
SPECIFICATION	32mm diameter stainless steel shower corner rail in satin polished finish complete with SS fixing screws and plastic wall plugs installed at 1000mm above floor level as per manufacturer's instructions.
TYPE K22	FOLD-UP SHOWER SEAT- All Showers
SPECIFICATION	480mm x 460mm fold up wall-mounted shower seat consisting of stainless steel frame and durable plastic seat, installed complete with SS fixing screws and plastic wall plugs at 500mm above floor level as per manufacturer's instructions.
TYPE K23	BACK GRAB RAIL (cistern toilet)- Alternative to K20
SPECIFICATION	32mm diameter stainless steel cistern back rail in satin polished finish complete with SS fixing screws and plastic wall plugs, installed at 800mm above floor level as per manufacturer's instructions.
TYPE K24	SIDE GRAB RAIL (with centre flange) -All Paraplegic Showers
SPECIFICATION	32mm diameter stainless steel side grab rail with centre flange in satin polished finish complete with SS fixing screws and plastic wall plugs. Installed as shown on drawing, and as per manufacturer's instructions.
TYPE K25	GRAB RAIL 300MM LONG (pull handle)- All Paraplegic WC
SPECIFICATION	300mm x 32mm diameter stainless steel general-purpose rail, in satin polished finish complete with SS fixing screws and plastic wall plugs. Installed as shown on drawing as per manufacturer's instructions.
TYPE K26	GRAB RAIL 500MM LONG (general purpose)- All Paraplegic WC
SPECIFICATION	500mm x 32mm diameter stainless steel general-purpose rail, in satin polished finish complete with SS fixing screws and plastic wall plugs. Installed as shown on drawing as per manufacturer's instructions.



TYPE K27	SHOWER CORNER RAIL-Alternative to K25
SPECIFICATION	32mm diameter stainless steel 650 x 650mm Shower corner grab rail, in satin polished finish complete with SS fixing screws and plastic wall plugs. Installed at 1000mm height as per manufacturer's instructions.
TYPE K28	TOILET GRAB RAIL (floor mounted)-Alternative to K25
SPECIFICATION	32mm diameter stainless steel 800 x 800 x 300mm left hand side toilet grab rail, in satin polished finish complete with SS fixing screws and plastic wall plugs. Installed as per manufacturer's instructions.
TYPE K29	TOILET GRAB RAIL (floor mounted) -Alternative to K25
SPECIFICATION	32mm diameter stainless steel 800 x 800 x 300mm right hand side toilet grab rail, in satin polished finish complete with SS fixing screws and plastic wall plugs. Installed as per manufacturer's instructions.
TYPE K30	TOILET GRAB RAIL (wall mounted)-All Paraplegic Wet Areas
SPECIFICATION	32mm diameter stainless steel 800 x 800 x 300mm left hand side toilet grab rail, in satin polished finish complete with SS fixing screws and plastic wall plugs. Installed as per manufacturer's instructions.
TYPE K31	TOILET GRAB RAIL (wall mounted)- Alternative to K25
SPECIFICATION	32mm diameter stainless steel 800 x 800 x 300mm right hand side toilet grab rail, in satin polished finish complete with SS fixing screws and plastic wall plugs. Installed as per manufacturer's instructions.
TYPE K32	SHOWER/ BATH CURTAIN RAIL (for left hand bath)- Alternative to K35
SPECIFICATION	2000mm x 700mm aluminium bath/shower curtain rail for left hand bath - pre-bent, extruded 50 SWP in mill finished aluminium fixed with ceiling hanger tube and all necessary fittings to manufacturer's specification, with min 11 nylon wheeled runners per metre length. Track bent in accordance to layout - approx. 1000mm x 1000mm.
TYPE K33	SHOWER/ BATH CURTAIN RAIL (for right hand bath)- Alternative to K35
SPECIFICATION	2000mm x 700mm aluminium bath/shower curtain rail for left hand bath - pre-bent, extruded 50 SWP in mill finished aluminium fixed with ceiling hanger tube and all necessary fittings to manufacturer's specification, with min 11 nylon wheeled runners per metre length. Track bent in accordance to layout - approx. 1000mm x 1000mm.
TYPE K34	SHOWER CURTAIN RAIL (corner shower)- Alternative to K35
SPECIFICATION	1000mm x 1000mm 'aluminium shower curtain rail - pre-bent, extruded 50 SWP in mill finished aluminium fixed with ceiling hanger tube and all necessary fittings to manufacturer's specification, with min 11 nylon wheeled runners per metre length. Track bent in accordance to layout - approx. 1000mm x 1000mm.
TYPE K35	SHOWER CURTAIN RAIL (straight)- All Showers
SPECIFICATION	20mm dia. standard chromium plated shower curtain rail 900mm long with flanged ends and screws CP fixing height as per architect's drawing.
TYPE K36	MIRROR (900X1200)
SPECIFICATION	6mm thick clear float glass silver-backed mirror, size 1200x900mm height with polished bevelled edges 4 times holed for and fixed, with chromium plated dome-headed mirror screws.

GENERAL WALL MOUNTED FITTINGS

TYPE G1	WALL & CORNER PROTECTOR- All Internal Corners
SPECIFICATION	<p>uPVC wall protection system manufactured in high impact resistant rigid uPVC (colour Grey) consisting of:</p> <ul style="list-style-type: none"> • 200x29x3000mm length extruded lip channel profile • 25mm wide uPVC brackets screwed and plugged to wall at 400mm spacing. • uPVC joining blocks • uPVC stop ends • External corners • Corner protector measuring 70x70x1200mm angular profile fixed with manufacturer-approved



	adhesive. System to be installed strictly in accordance to manufacturer's specifications. Installation height 900mm above FFL.
TYPE G2	WALL & CORNER PROTECTOR AS HANDRAIL (PASSAGES)
SPECIFICATION	uPVC wall protection system and handrail manufactured in high impact resistant rigid uPVC consisting of: <ul style="list-style-type: none"> • 200x29x3000mm length extruded lip channel profile fixed to 195x25mm thick laminated timber board rebated and prepared to suit profile, and fixed to 100x100x40mm thick timber supports screwed and plugged to wall at 600mm spacing. • 25mm wide uPVC brackets • uPVC joining blocks • uPVC stop ends • External corners • Corner protector 70x70x1200mm angular profile fixed with 'approved Adhesive' to wall. System to be installed strictly in accordance to manufacturer's specifications. Installation height 900mm above FFL.
TYPE G3	WALL & CORNER PROTECTOR
SPECIFICATION	Marley Intrad' Corner protector code CP 1200, OR EQUAL AND APPROVED, 70x70x1200mm angular profile uPVC manufactured in high impact resistant rigid uPVC fixed with 'Marley Contact Adhesive' and screwed to wall. Installation height 150mm above FFL.
TYPE G4	DOOR PROTECTOR- All Doors
SPECIFICATION	200mm wide uPVC Door Protector manufactured in high impact resistant rigid uPVC (Colour Grey) and cut to suit door width from 3m length, installed strictly in accordance to manufacturer's specifications. Installation height 900mm above FFL, or as specified.
TYPE G5	BED CURTAIN TRACK FOR SICK BAY
SPECIFICATION	Aluminium hospital curtain track, extruded 50 SWP in mill finished aluminium fixed with ceiling hanger tubes, ceiling rose/cone, track end stops and all necessary accessories to manufacturer's specification, with min 11 nylon wheeled runners per metre length. Track bent in accordance to layout.
TYPE G6	PARTITION CURTAIN TRACK FOR SICK BAY
SPECIFICATION	Aluminium hospital curtain track, extruded 50 SWP in mill finished aluminium fixed with ceiling hanger tubes, ceiling rose/cone, track end stops and all necessary accessories to manufacturer's specification, with min 11 nylon wheeled runners per metre length. Track bent in accordance to layout shown on drawing.
TYPE G7	ROBE HOOK FOR SICK BAY
SPECIFICATION	Aluminium robe hook anodised silver complete with screws.
TYPE G8	COAT HOOK 2-HOOK FOR STAFF OFFICES
SPECIFICATION	Aluminium Multitrack hat and coat hook in Multi-track two hooks configuration with anodised silver finish, complete with screws.
TYPE G8	BROOM HOOK
SPECIFICATION	Mild steel broom hook
TYPE G9	WHITEBOARD 1200W X 900H FOR ALL STAFF OFFICES
SPECIFICATION	1200mm wide x 900mm high wall mounted non-magnetic white board, with standard anodised 20mm wide aluminium frame and complete with slide-in aluminium pen tray (450 x 35mm), 6mm wall screws and masonry plugs for concealed mounting and installed at 1100 above floor finish as per manufacturer's mounting instructions.
TYPE G10	WHITEBOARD 2400W X 1200H FOR LARGE OFFICES & BOARDROOM/ MEETING ROOMS
SPECIFICATION	2400mm wide x 1200mm high wall mounted non-magnetic white board, with standard anodised 20mm wide aluminium frame and complete with slide-in aluminium pen tray (450 x 35mm), 6mm wall screws and masonry plugs for concealed mounting and installed at 1000 above floor finish as per manufacturer's mounting instructions.
TYPE G11	PINBOARD 1500W X 1000H
SPECIFICATION	Pinboard size 1000mm H x 1500mm W comprising of laminated soft board core pinning material beaded all round with anodised Aluminium channel surround mitred at the corners. To be fitted



	complete with fixing brackets, screws and wall plugs at 900mm above floor level.
TYPE G12	PINBOARD 3000W X 1200H
SPECIFICATION	Pinboard size 1200mm H x 3000mm W comprising of laminated soft board core pinning material beaded all round with anodised Aluminium channel surround mitred at the corners. To be fitted complete with fixing brackets, screws and wall plugs at 900mm above floor level.
TYPE G13	CHALKBOARDS- GREEN SURFACE COLOUR
SPECIFICATION	Vitrex system 1000 standard WRITEBOARD or EQUAL & APPROVED vitreous enameled steel utility school chalkboards wall-mounted size 4800mm x 1140mm high manufactured in accordance with SABS Standard CKS 36/2004 Edition 4 and suitable for Class 1: Heavy Duty applications, as defined therein. Enamel steel Utility chalk board surfaces to be matt and finely structured, olive green in colour (Vitrex Colour Reference - Chalk Board Green LM1797/2), supplied complete with integral anodised Aluminium chalk rail (ACR), fixing components and secured in position to brickwork. The Chalkboards are to be fixed in position strictly in accordance to the manufacturer's instructions.
TYPE G14	PROJECTION SCREEN (4:3 RATIO)
SPECIFICATION	Pull down PVC screen size 2440 x 1850mm (viewing area 2340 x 1750mm) with wall-mounted code SC0400 Keystone Brackets Adjustable Set of 2, size 300mm. To be supplied complete with all accessories, and fitted in strict accordance with manufactures instructions.
TYPE G15	PULL-DOWN PROJECTION SCREEN (16:9 RATIO)
SPECIFICATION	Pull down PVC screen size 2450 x 1420mm (viewing area 2350 x 1320mm) with wall-mounted code SC0400 Keystone Brackets Adjustable Set of 2, size 300mm. To be supplied complete with all accessories, and fitted in strict accordance with manufactures instructions.
TYPE G16	WINDOW BLINDS (Venetian) FOR STAFF OFFICES
SPECIFICATION	25mm wide aluminium venetian blinds with stove enamelled head rail and fully enclosed bottom rail. Ladder tapes to be braided polyester with rungs uniformly spaced at 18mm for blinds slat and an overlap of 7mm. Lift cord to be braided with the lift cord at each ladder tape, alternating front and back, with no lift holes visible in the slats when the blind is in the fully closed position. Tilt mechanism to be equipped with self-lubricating worm gear controlled by clear acrylic wand. Installed top-fixed in widow opening, by means of concealed type fixing brackets to approval.
TYPE G17	WINDOW BLACKOUT BLINDS (Vertical fabric) LARGE MEETING ROOMS
SPECIFICATION	127 mm vertical fabric blinds with anodised aluminium head rail fitted with colour-coordinated insert. All runners to be wheeled and fitted with individual clutch mechanism. All runners to be connected by stainless steel links. Tilt mechanism to be operated by a nylon ball chain with a reduction gear inside a fully enclosed cap. Block out fabric slats to be 127 mm wide and to be ultrasonically sealed. Colour of the blinds to be from the blackout fabric range. Fabric to be face fixed (fixed over the window opening) by means of concealed type fixing brackets.
TYPE G18	WINDOW NORMAL BLINDS (vertical fabric) FOR ALL CLASSROOMS
SPECIFICATION	127 mm vertical deco blinds with anodised aluminium headrail fitted with colour-coordinated insert. All runners o be wheeled and fitted with individual clutch mechanism. All runners to be connected by stainless steel links. Tilt mechanism to be operated by a nylon ball chain with a reduction gear inside a fully enclosed cap. Blinds to be face fixed (fixed over the window opening) by means of concealed type fixing brackets.
TYPE G19	STANDARD CURTAIN RAIL FOR DORMITORY BEDROOMS & STAFF RESIDENCE
SPECIFICATION	Multi-purpose white PVC regular duty double track curtain rail fixed to brickwork at 600 c/c, 150 mm above window head with edges extending by 230 mm from window jambs.
TYPE G20	FLOOR DRAIN (BALCONIES / WALKWAYS) FOR ALL UPSTAIR VERANDAH, BALCONIES AND WALWAYS
SPECIFICATION	Cast iron balcony flat type full-flow outlets size 110 mm diameter with centre bolt, , including connections to downpipes.
TYPE G21	PVC FLOOR EXPANSION JOINT COVER FOR ALL EXPANSION JOINTS
SPECIFICATION	Co-extruded light-duty patent PVC movement joint strip colour grey to suit the 9mm tile thickness. To be installed within the tile surface to coincide with the 20mm expansion joints, in accordance to the manufacturer's specifications.



TYPE G22	SS FLOOR EXPANSION JOINT COVER (ALTERNATIVE FOR LL EXPANSION JOINTS)
SPECIFICATION	Co-extruded heavy-duty stainless steel movement joint strip, with polyurethane infill (colour grey). To be installed within the tile surface over the 20mm expansion joints, in accordance to the manufacturer's specifications.
TYPE G23	MOTORISED STAGE CURTAIN SYSTEM
SPECIFICATION	Electronically controlled 'Kabuki' 110V single phase solenoid Curtain System OR EQUAL AND APPROVED including Full height curtains consisting of memorable Velour Pleated Traveler (Proscenium Curtain), Velour (Side Curtains) Muslin (cyclorama) including borders.
TYPE G24	X-RAY VIEWER
SPECIFICATION	X-Ray viewer to electrical engineer's specifications and installation height as specified.
TYPE G25	DOOR MATS
SPECIFICATION	135 x 205cm 'Coral Brush Activ' 7mm thick tufted cut pile with 'Everfort' vinyl backing (colour 5956 chocolate brown) by Bonar floors OR EQUAL AND APPROVED.

SHELVING FITTINGS & JOINERY	
TYPE Q1	STEEL ANGLE SHELVING D381mm- Stationery Stores
SPECIFICATION	Medium Duty Slotted angle steel shelving size 2134mm (height) x 381mm (deep) x 914mm (wide), with 5no. shelf levels per unit. Units assembled together with corner gussets and complete with standard bracing, end-frame angle uprights and all necessary accessories in accordance to the manufacturer's specifications.
TYPE Q2	STEEL ANGLE SHELVING D457mm- Registries & Nurse Stations
SPECIFICATION	Medium Duty Slotted angle steel shelving size 2438mm (height) x 457mm (deep) x 914mm (wide), with 5no. shelf levels per unit. Units assembled together with corner gussets and complete with standard bracing, end-frame angle uprights and all necessary accessories in accordance to the manufacturer's specifications.
TYPE Q3	STEEL ANGLE SHELVING D610mm- Kitchen Vegetable And Day Stores
SPECIFICATION	Medium Duty Slotted angle steel shelving size 2438mm (height) x 610mm (deep) x 914mm (wide), with 5no. shelf levels per unit. Units assembled together with corner gussets and complete with standard bracing, end-frame angle uprights and all necessary accessories in accordance to the manufacturer's specifications.
TYPE Q4	HEAVY DUTY STEEL RACKING L2438mm- Supplies Stores/Workshops
SPECIFICATION	Heavy Duty steel Racking size 2438mm (height) x 610mm (deep) x 2438mm (wide), assembled from 2438mm long 'sigma' beams, complete with a 22mm thick Pine closed timber deck (size 2438 x 610mm). Load capacity should not be less than 5000kg per frame.
TYPE Q5	MELAMINEFACED MDF SHELVING D450mm- OFFICES
SPECIFICATION	450mm deep 16mm thick Melamine-faced Medium Density Fibre board (MDF) 4-tier shelving wall mounted on steel gondola brackets and wall bands, comprising of: * Shelf boards comprising of plain "Supawood" MDF faced with melamine impregnated paper, in architect approved finish. Vertical spacing for each tier 450mm. * Medium steel wall band double slotted 1825mm in 'Ivory Epoxy' finish, at 900mm spacing. * Wall gondola brackets 450mm (as applicable), in 'Ivory Epoxy' finish.
TYPE Q6	SS2A PAINTED MDF SHELVING D600mm- Alternative To Q5



SPECIFICATION	600mm deep 16mm thick Medium Density Fibre board (MDF) 4-tier shelving, wall-mounted on size 305mm x 356mm x 1.0mm steel brackets (without stays) in white epoxy finish, as per section and layout drawing. *Each steel brackets to be fixed to wall with 3 x no.8 CSK screws, and fixed to shelf with 3 x no.6 CSK Screws * Plain MDF shelving boards to be square-edged and sealed on all surfaces with 2no. coats primer coat and finished in 2no. coats water-based enamel paint colour 'White', to approval.
TYPE Q7	SLATTED MERANTI SHELVING D450mm (4 person) - Alternative To Q5
SPECIFICATION	450mm deep x 16mm thick Meranti slatted 4-tier shelving, wall-mounted on steel gallow brackets, as per section and layout drawing, with shelving finished in 2no. coats of clear 'egg shell' varnish and steel brackets primed and painted in 2no. coats water-based enamel paint colour 'White', to approval.
TYPE Q8	STEEL LOCKER- Staff Changing Rooms
SPECIFICATION	1800Hx450Wx500D 4-Person steel lockers, epoxy polyester baked enamel finish complete with all necessary accessories. Each locker to have 4 doors and 4 openings, with no hanging rails 2 louver vents on the doors, Drop Hinge, Hasp and Staple Lock and all necessary accessories in accordance to the manufacturer's specifications.
TYPE Q9	STEEL LOCKER (1 Door)- Alternative To Q8
SPECIFICATION	1800Hx450Wx500D single door steel lockers, epoxy polyester baked enamel finish complete with all necessary accessories. Each Locker to have 2 doors and 1 shelf at the top, with a hanging rail underneath and all necessary accessories in accordance to the manufacturer's specifications.
TYPE Q10	STEEL LOCKER (Workers)- Garden/ Outdoor Access Stores
SPECIFICATION	1800Hx450Wx600D Horizontal non-lockable, swivel hatch with boot compartment, double door steel lockers, epoxy polyester baked enamel finish complete with all necessary accessories in accordance to the manufacturer's specifications.
TYPE Q11	STEEL LOCKER (cleaning equip)- Cleaners Stores
SPECIFICATION	Ventilated, double door steel locker, epoxy polyester baked enamel finish complete with all necessary accessories with all necessary accessories in accordance to the manufacturer's specifications.
TYPE Q12	WALL & FLOOR MOUNTED HEAVY DUTY STEEL LOCKER)- Alternative To Q10
SPECIFICATION	1800Hx450Wx500D single door heavy-duty steel lockers, epoxy polyester baked enamel with all necessary accessories in accordance to the manufacturer's specifications. Each Locker to have 2 doors and 1 shelf at the top, with a hanging rail underneath. Locker to be Wall mounted using suitable anchor bolts and plastered over.
TYPE Q13	WALL UNITS IN MELAMINE BOARDS
SPECIFICATION	Wall units in melamine boards. Doors, drawer fronts and cupboard carcasses to be constructed out of 16mm Melamine faced "V313" moisture resistant particleboard (Identifiable by green in colour) with 2mm high impact edging or 16 x 10mm hard wood edging. 'Supa Wood" to only be used for internal shelving, and not for cupboard construction or in exposed external surfaces in any Health facility.
TYPE Q14	WORKTOPS IN GENERAL
SPECIFICATION	Worktops in general to be 32mm solid post formed Formica on "V313 (HMR)" (High Moisture Resistant) particleboard in non-moisture areas. Underside drawers and shelving to be Melamine faced "V313" moisture resistant particleboard (Identifiable by green in colour) with 2mm high impact edging or 16 x 10mm hard wood edging. 'Supa Wood" to only be used for internal shelving, and not for cupboard construction or in exposed external surfaces in any Health facility.
TYPE Q15	WORKTOPS AGAINST SINKS
SPECIFICATION	Worktops against sinks to be "Rustenburg" Black granite slab with silicone sealant at all joints or Solid Surfacing worktops as in "Surinno, Corrian or Caesar Stone" in high moisture usage area's adjacent to sinks and Laboratory worktops if stainless steel is not used.
TYPE Q16	CHANGE ROOM BENCH



SPECIFICATION	Change Room Bench: 450 x 450 x 50mm hardwood seat with bevelled edges on 100 x 3mm Dia steel pipe with 300 x 300 x 6mm bottom flange bolted to floor with m12 expansion bolts.
* All products to meet the latest relevant SABS standards.	

