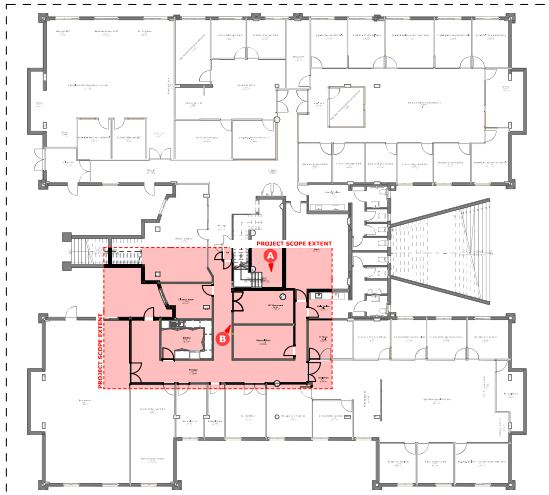

GROUND FLOOR KEY
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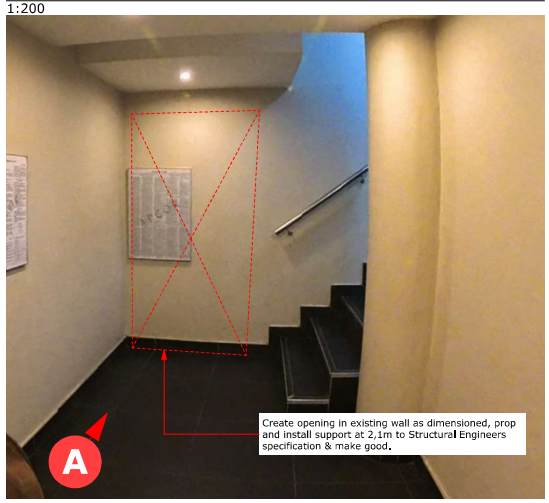

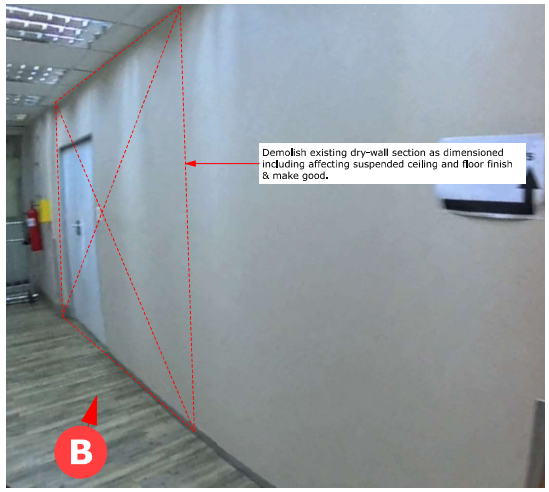

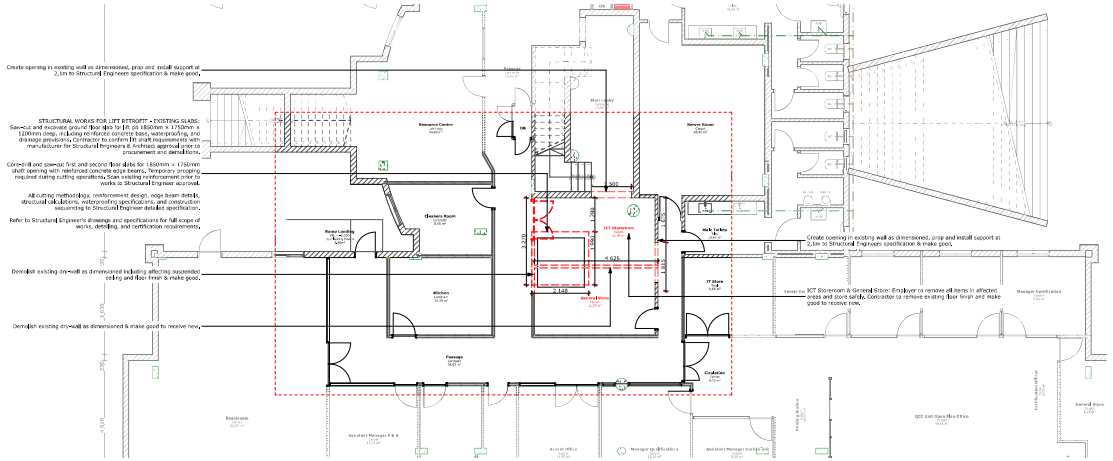

GROUND FLOOR DEMOLITION PLAN
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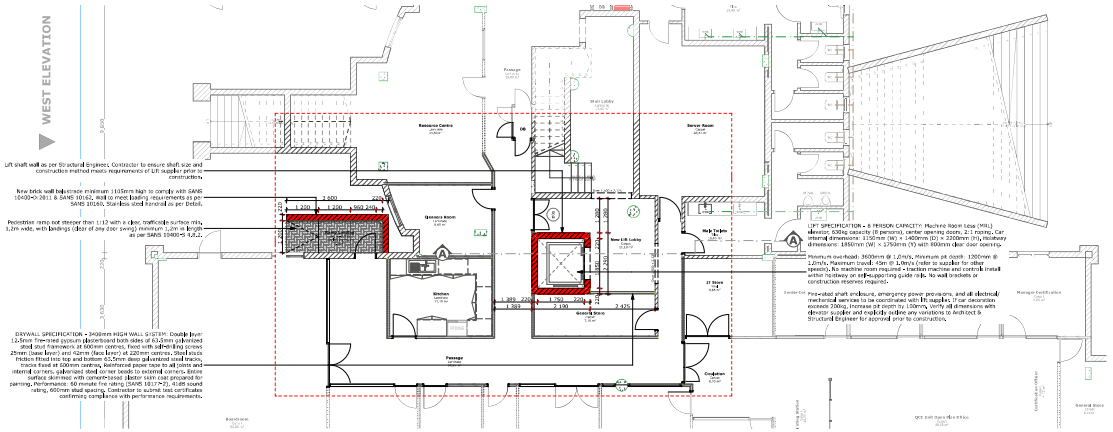

GROUND FLOOR REFURBISHMENT LAYOUT PLAN
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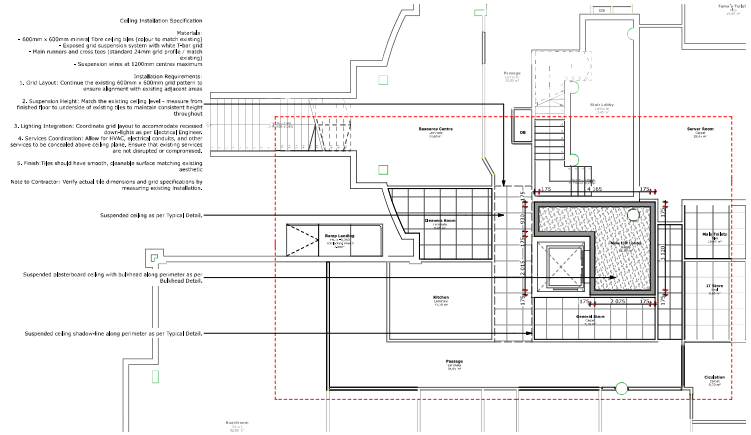

GROUND FLOOR CEILING PLAN
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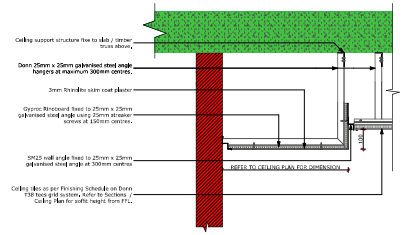

BULKHEAD DETAIL
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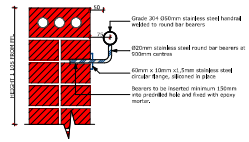

HAND-RAIL WALL MOUNTED
1:10

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GENERAL NOTES TO ALL CONTRACTORS

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HOT WATER SERVICES NOTES:
H1: ALL GEYSERS AND HOT WATER PIPES TO COMPLY WITH SANS 10400 AND SANS 204 (ENERGY EFFICIENCY IN BUILDINGS).
H2: ALL GEYSERS TO COMPLY WITH SANS 10252-1.
H3: ALL HEAT EXCHANGE SYSTEMS TO COMPLY WITH SANS 1135.
H4: ALL EXPOSED HOT WATER PIPES SHALL BE INSULATED WITH INSULATION WITH A MINIMUM R VALUE OF 1 (40MM GLASS FIBRE INSULATION OR EQUAL AND APPROVED) INCLUDING ALL COLD WATER SUPPLY PIPES WITHIN 1M OF THE GEYSERS.
H5: GEYSERS TO BE POSITIONED AS SHOWN ON PLAN. ALL GEYSER SUPPORT STRUCTURES TO BE SUBJECT TO RATIONAL DESIGN BY ENGINEER.
H6: ALL GEYSERS TO BE INSULATED WITH INSULATION THAT WHEN COMBINED WITH GEYSER'S BUILT IN INSULATION GIVES A TOTAL COMBINED R VALUE OF 2 (GEYSER WITH BUILT IN INSULATION OF R VALUE 1+ 40MM GLASS FIBRE INSULATION OR EQUAL AND APPROVED).
H7: ALL PIPES TO BE BUILT INTO MASONRY OR CAST INTO CONCRETE TO COMPLY WITH SANS 10254-1

DRAINAGE NOTES:
D1: ALL DRAINAGE TO COMPLY WITH SANS 10400 PART P - DRAINAGE
D2: ALL DRAINS TO BE INSTALLED IN ACCORDANCE WITH SANS 1200DB, SANS 1200LB AND SANS 1200LD.
D3: ALL TRAPS TO COMPLY WITH SANS 1721-1 & SANS 1321-2
D4: ANY DRAINS THAT PASS UNDER THE BUILDING TO BE PROTECTED FROM LOADS AND HAVE A CONTINUOUS GRADIENT UNDER THE BUILDING.
D5: ALL UPVC PIPES TO BE PROTECTED FROM EXPOSURE TO UV RAYS.
D6: ALL TOILETS TO COMPLY WITH SANS 497. ALL TOILET CONNECTORS TO COMPLY WITH SANS 4603

SANS 10400 COMPLIANCE NOTES:
BUILDING CONTRACTOR IS TO ENSURE THAT ALL COMPONENTS OF THE PROPOSED BUILDING(S) COMPLY WITH THE NATIONAL BUILDING REGULATIONS & SANS 10400 CODE OF PRACTICE. BUILDING CONTRACTOR TO REFER TO ABOVE REGULATORY DOCUMENTS FOR ANY FURTHER CLARIFICATION REQUIRED.
F1: FOUNDATIONS:
TO COMPLY WITH SANS10400 PART H - FOUNDATIONS SUBJECT TO A RATIONAL DESIGN BY ENGINEER.
F2: FLOORS:
TO COMPLY WITH SANS10400 PART J - FLOORS. SUBJECT TO RATIONAL DESIGN BY ENGINEER. MIN 30mm BONDED screed ON MIN 100mm SURFACE BED. SEE FINISHES SCHEDULE FOR FLOOR FINISHES.
F3: WALLS:
TO COMPLY WITH SANS10400 PART K - WALLS OR TO BE PART OF A RATIONAL DESIGN BY ENGINEER. SEE PLAN AND SECTIONS FOR DIMENSIONS AND CONSTRUCTION DETAILS. DAMP PROOF COURSE TO PREVENT RISING DAMP TO BE INSTALLED AS PER SANS 10400 -PART K 4.5.3. DPC TO BE INSTALLED BELOW ALL SILLS. SEE FINISHES SCHEDULE FOR WALL FINISHES.
F4: ROOFS:
SPECIFICATION AS PER ROOF PLAN.
a) TIMBER ROOF STRUCTURE:
ALL TIMBER ROOF STRUCTURES TO BE SUBJECT TO RATIONAL DESIGN BY ENGINEER. SPACING OF BATTENS OR PURLINS TO BE AS PER ROOF COVERING MANUFACTURERS SPECIFICATION. FIXING OF ROOF COVERING AS PER MANUFACTURERS SPECIFICATION. ALL AS PER SANS10400 PART L.
b) CONCRETE ROOF STRUCTURE: TO BE SUBJECT TO A RATIONAL DESIGN BY ENGINEER. ALL AS PER SANS10400 PART L. WATERPROOFING AND SCREED FALLS AS PER SANS10400 PART L 4.3. WATERPROOFING 5mm DENSBISHIM WITH 10 YEAR GUARANTEE. MIN FALL 1:50 OF 1:80 ALONG MITRES. DRIPS TO BE PROVIDED TO ALL CONCRETE EXPOSURES.
c) GUTTERS AND DOWN WATER PIPES: AS PER SANS10400 PART L 4.3.2.
d) ROOF INSULATION: ROOF INSULATION TO COMPLY WITH SANS204 - 4.3.5 ROOF ASSEMBLIES. NOTE: INSULATION TO BE CUT AROUND DOWN LIGHTS OR DOWN LIGHTS TO BE INSTALLED IN FERRPROOF BOXES. INSULATION TO PITCHED ROOFS WITH CEILINGS: ZINCALUME SHEETING OR CLAY TILES ON STALLATION 405 (WORM SIDE DOWN) WITH 15MM AIR GAP WITH 150MM FLEXIBLE FIBRE GLASS INSULATION OVER 6MM FLUSH PLASTERED GYPSUM CEILING BOARDS.
e) SUNSCREEN: EXTERNAL SHADING DEVICE AS PER SANS204 - 4.3.3
F5: STAIRWAYS:
ALL STAIRCASES TO BE SUBJECT TO RATIONAL DESIGN BY ENGINEER. ALL STAIRCASES AND RAILINGS TO COMPLY WITH NBR AND SANS10400 PART M - STAIRWAYS, SANS10400 PART T - FIRE PROTECTION, MAX RISER 200mm, MIN TREAD 250mm
F6: GLAZING:
ALL GLAZING TO COMPLY WITH SANS10400 PART N. ALL WINDOWS TO BE SUBJECT TO A RATIONAL DESIGN BY COMPETENT PERSON IN ACCORDANCE WITH SANS204 - 4.3.4
F7: LIGHTING:
ALL ARTIFICIAL LIGHTING TO COMPLY WITH ENERGY REQUIREMENTS OF SANS 204 4.5.1. MINIMUM LIGHTING LEVELS IN ACCORDANCE WITH SANS10114-1 & SANS10400 - PART O
F8: NATURAL VENTILATION:
BUILDING TO BE NATURALLY VENTILATED IN TERMS OF SANS10400 PART O. ANY MECHANICAL VENTILATION, HEATING OR COOLING TO BE PART OF A RATIONAL DESIGN BY MECHANICAL ENGINEER. IN TERMS OF SANS 204 4.6 - MECHANICAL VENTILATION AND AIR CONDITIONING.
F9: BALUSTRADES AND HANDRAILS:
BALUSTRADES AND HANDRAILS AS PER NBR, SANS 10400 & SANS 10162. REFER TO ARCHITECT'S DETAIL DRAWINGS.
F10: FINISHES:
FINISHES AS PER FINISHING SCHEDULE BY ARCHITECT

= RETAIN EXISTING WALL
= DEMOLISH EXISTING STRUCTURE
= CONSTRUCT NEW WALL
= 50mm DRAIN PIPE
= 110mm SOIL PIPE
= HOT WATER SUPPLY PIPE

CLIENT

UMALUSI

ZANECEBO CONSULTING

Rev#	Description	Date

STATUS: ● INFORMATION ○ APPROVAL ○ TENDER ○ CONSTRUCTION ○ AS BUILT

AREAS

SITE AREA:	PERMISSABLE	ACTUAL
GROUND FLOOR FOOTPRINT		
GROUND FLOOR COVERAGE		
FIRST FLOOR FOOTPRINT		
FIRST FLOOR COVERAGE		
FLOOR AREA RATIO [F.A.R]		

ARCHITECT
Francis K.P Kununka
SACAP: PrArch 21191
Signature:

ENGINEER
Name:
REG. #:
Signature:

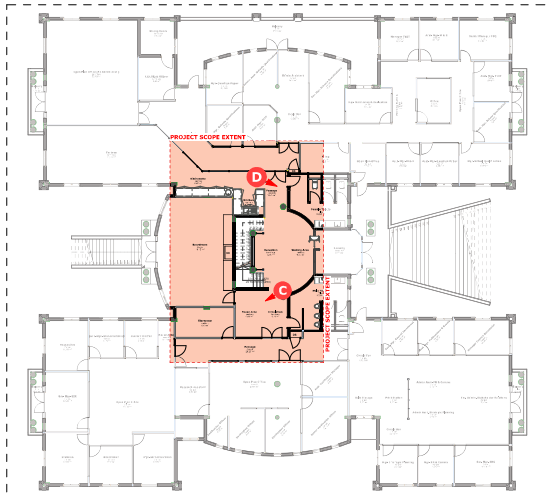
CLIENT
UMALUSI
37 GENERAL VAN RYNEVELD STREET
PERSEQUOR TECHNOPARK, PTA
Signature(s):

PROJECT TITLE
UMALUSI OFFICE BUILDING

DRAWING TITLE	STAND NUMBER:
GROUND FLOOR DEMOLITION; REFURBISHMENT AND CEILING PLANS	ERF: PORTION 2 OF ERF 2 PERSEQUOR PRETORIA

DRAWING NUMBER	ZCEI/UOB/STG-4/001					
SCALE	PAPER SIZE	DESIGNED BY	DRAWN BY	PROJECT REF.	DATE	REVISION
AS SHOWN	A1	FKK	KM	ZRS-343-25	14 November '25	A

DISCIPLINE: ARCHITECTURAL — BUILDING OCCUPANCY CLASS: G1



FIRST FLOOR KEY
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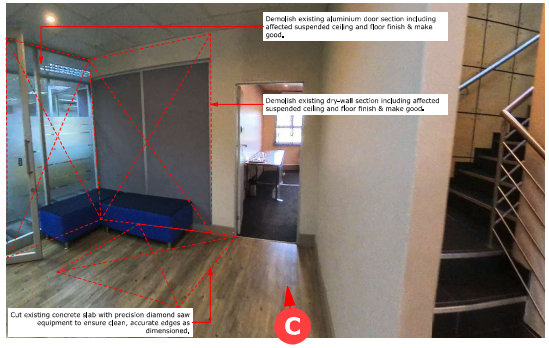

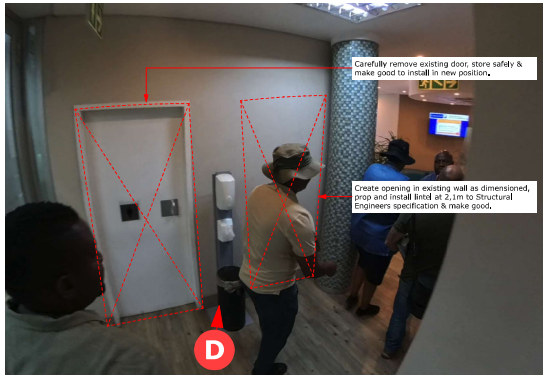

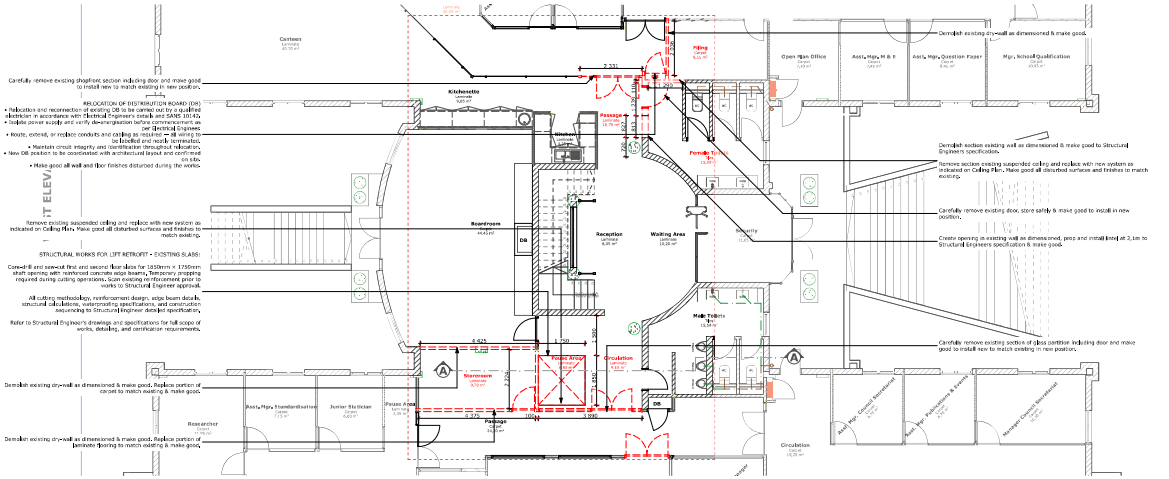

FIRST FLOOR DEMOLITION PLAN
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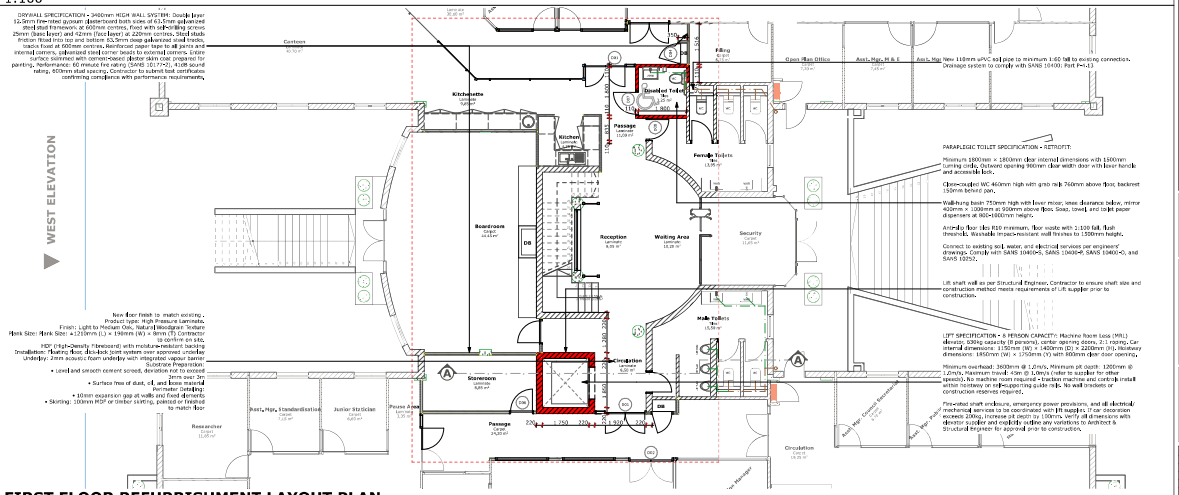

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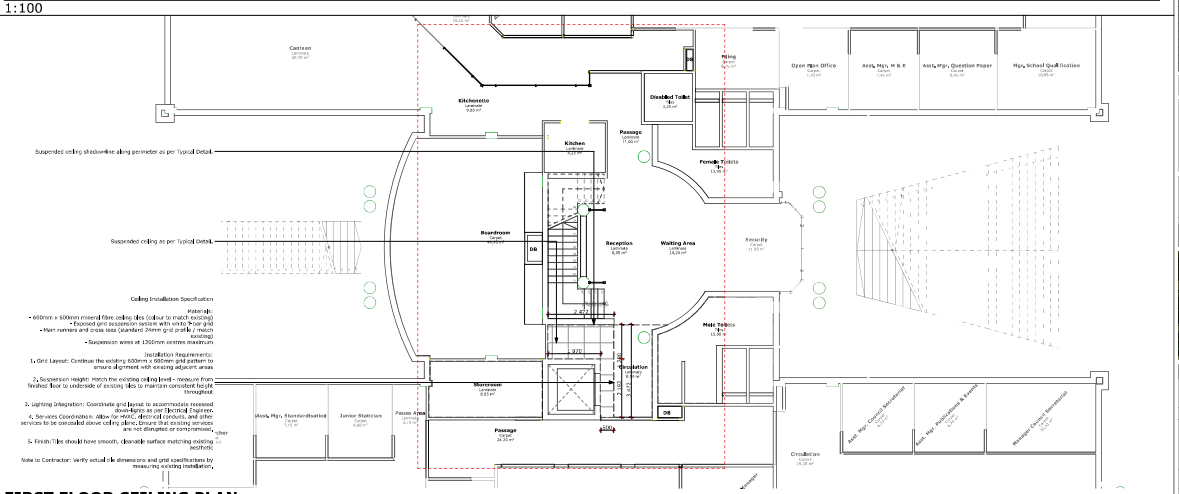

FIRST FLOOR CEILING PLAN
1:100

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H3: ALL HEAT EXCHANGE SYSTEMS TO COMPLY WITH SANS 1135.
H4: ALL EXPOSED HOT WATER PIPES SHALL BE INSULATED WITH INSULATION WITH A MINIMUM R VALUE OF 1.4WMK GLASS FIBRE INSULATION OR EQUAL AND APPROVED) INCLUDING ALL COLD WATER SUPPLY PIPES WITHIN 1M OF THE GEYSER.
H5: GEYSERS TO BE POSITIONED AS SHOWN ON PLAN. ALL GEYSER SUPPORT STRUCTURES TO BE SUBJECT TO RATIONAL DESIGN BY ENGINEER.
H6: ALL GEYSERS TO BE INSULATED WITH INSULATION THAT WHEN COMBINED WITH GEYSER'S BUILT IN INSULATION GIVES A TOTAL COMBINED R VALUE OF 2 (GEYSER WITH BUILT IN INSULATION OF R VALUE 1+ 1WMK GLASS FIBRE INSULATION OR EQUAL AND APPROVED).
H7: ALL GEYSERS TO BE BUILT INTO MASONRY OR CAST INTO CONCRETE TO COMPLY WITH SANS 10254+.

DRAINAGE NOTES:

D1: ALL DRAINAGE TO COMPLY WITH SANS 10400 PART P - DRAINAGE
D2: ALL DRAINS TO BE INSTALLED IN ACCORDANCE WITH SANS 1200DB, SANS 1200LD AND SANS 1200LD.
D3: ALL TRAPS TO COMPLY WITH SANS 1721+ & SANS 1321+2
D4: ANY DRAINS THAT PASS UNDER THE BUILDING TO BE PROTECTED FROM LOADS AND HAVE A CONTINUOUS GRADIENT UNDER THE BUILDING.
D5: ALL UPVC PIPES TO BE PROTECTED FROM EXPOSURE TO UV RAYS.
D6: ALL TOILETS TO COMPLY WITH SANS 497. ALL TOILET CONNECTORS TO COMPLY WITH SANS 4633

SANS 10400 COMPLIANCE NOTES:

INSTRUCT CONTRACTOR TO TO ENSURE THAT ALL COMPONENTS OF THE PROPOSED BUILDING(S) COMPLY WITH THE NATIONAL BUILDING REGULATIONS & SANS 10400 CODE OF PRACTICE. BUILDING CONTRACTOR TO ADHERE TO ABOVE REGULATORY DOCUMENTS FOR ANY FURTHER CLARIFICATION REQUIRED.

F1: FOUNDATIONS:
TO COMPLY WITH SANS10400 PART H - FOUNDATIONS SUBJECT TO A RATIONAL DESIGN BY ENGINEER.

F2: FLOORS:
TO COMPLY WITH SANS10400 PART J - FLOORS. SUBJECT TO RATIONAL DESIGN BY ENGINEER. MIN 30mm BORLOCS SCREED ON MIN 100mm SURFACE BED. SEE FINISHES SCHEDULE FOR FLOOR FINISHES.

F3: WALLS:
TO COMPLY WITH SANS10400 PART K - WALLS OR TO BE PART OF A RATIONAL DESIGN BY ENGINEER. SEE PLAN AND SECTIONS FOR DIMENSIONS AND CONSTRUCTION DETAILS. DAMP PROOF COURSE TO PREVENT RISING DAMP TO BE INSTALLED AS PER SANS 10400 -PART K 4.5.3. DPC TO BE INSTALLED BELOW ALL CILLS. SEE FINISHES SCHEDULE FOR WALL FINISHES.

F4: ROOFS:
SPECIFICATION AS PER ROOF PLAN.
a) TIMBER ROOF STRUCTURE:
ALL TIMBER ROOF STRUCTURES TO BE SUBJECT TO RATIONAL DESIGN BY ENGINEER. SPACING OF BATTENS OR PURLINS TO BE AS PER ROOF COVERING MANUFACTURES SPECIFICATION. FIXING OF ROOF COVERING AS PER MANUFACTURES SPECIFICATION. ALL AS PER SANS10400 PART L.
b) CONCRETE ROOF STRUCTURE: TO BE SUBJECT TO A RATIONAL DESIGN BY ENGINEER. ALL AS PER SANS10400 PART L. WATERPROOFING AND SCREED FALLS AS PER SANS10400 PART L 4.2. WATERPROOFING 5mm DERBIGUM WITH 10 YEAR GUARANTEE. MIN FALL 1:50 OF 1:80 ALONG MITRES. DRIPS TO BE PROVIDED TO ALL CONCRETE COMPONENTS.
c) GUTTERS AND DOWN WATER PIPES: AS PER SANS10400 PART L 4.3.2.
d) ROOF INSULATION: ROOF INSULATION TO COMPLY WITH SANS204 - 4.3.6 ROOF ASSEMBLIES. NOTE: INSULATION TO BE CUT AROUND DOWN LIGHTS OR DOWN LIGHTS TO BE INSTALLED IN FERROPROOF BOXES. INSULATION TO PITCHED ROOFS WITH CEILINGS: ZINCALUME SHEETING OR CLAY TILES ON STAALTOR 405 (NEW SIDE DOWN) WITH 15MM AIR GAP WITH 150MM FLEXIBLE FIBRE GLASS INSULATION OVER 6MM FLUSH PLASTERED GYPSUM CEILING BOARDS.
e) SUNSCREEN: EXTERNAL SHADING DEVICE AS PER SANS204 - 4.2.3
F5: STAIRWAYS:
ALL STAIRCASES TO BE SUBJECT TO RATIONAL DESIGN BY ENGINEER. ALL STAIRCASES AND RAILINGS TO COMPLY WITH NBR AND SANS10400 PART M - STAIRWAYS, SANS10400 PART T - FIRE PROTECTION. MAX RISER 200mm. MIN TREAD 250mm
F6: GLAZING:
ALL GLAZING TO COMPLY WITH SANS10400 PART N. ALL WINDOWS TO BE SUBJECT TO A RATIONAL DESIGN BY COMPETENT PERSON IN ACCORDANCE WITH SANS204 - 4.3.4
F7: LIGHTING:
ALL ARTIFICIAL LIGHTING TO COMPLY WITH ENERGY REQUIREMENTS OF SANS 204 4.5.1. MINIMUM LIGHTING LEVELS IN ACCORDANCE WITH SANS10114+. & SANS10400 - PART O
F8: NATURAL VENTILATION:
BUILDING TO BE NATURALLY VENTILATED IN TERMS OF SANS10400 PART O. ANY MECHANICAL VENTILATION, HEATING OR COOLING TO BE PART OF A RATIONAL DESIGN BY MECHANICAL ENGINEER. IN TERMS OF SANS 204 4.4 - MECHANICAL VENTILATION AND AIR CONDITIONING.
F9: BALUSTRADES AND HANDRAILS:
BALUSTRADES AND HANDRAILS AS PER NBR, SANS 10400 & SANS 10162. REFER TO ARCHITECTS DETAIL DRAWINGS.
F10: FINISHES:
FINISHES AS PER FINISHING SCHEDULE BY ARCHITECT

= RETAIN EXISTING WALL
= DEMOLISH EXISTING STRUCTURE
= CONSTRUCT NEW WALL
= 50mm DRAIN PIPE
= 110mm SOIL PIPE
= HOT WATER SUPPLY PIPE

CLIENT

UMALUSI

ZANECEBO CONSULTING

Rev#	Description	Date

STATUS: ● INFORMATION ○ APPROVAL ○ TENDER ○ CONSTRUCTION ○ AS BUILT

AREAS	SITE AREA:	PERMISSABLE	ACTUAL
	GROUND FLOOR FOOTPRINT		
	GROUND FLOOR COVERAGE		
	FIRST FLOOR FOOTPRINT		
	FIRST FLOOR COVERAGE		
	FLOOR AREA RATIO [F.A.R]		

ARCHITECT: Francis K.P Kununka
SACAP: PrArch 21191
Signature:

ENGINEER: Name:
REG. #:
Signature:

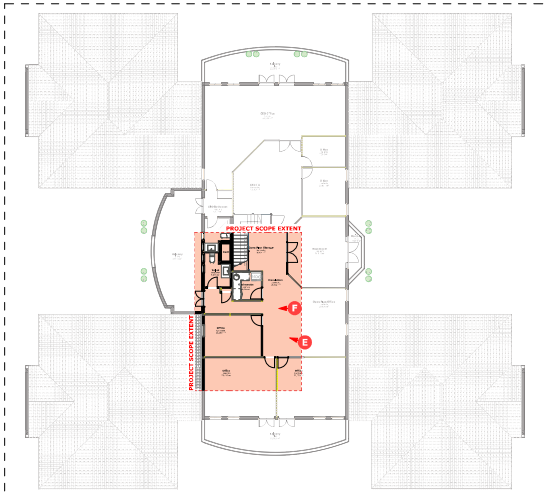
CLIENT: UMALUSI
37 GENERAL VAN RYNEVELD STREET
PRFSEQUOR TECHNOPARK, PTA
Signature(s):

PROJECT TITLE
UMALUSI OFFICE BUILDING

DRAWING TITLE	STAND NUMBER:
FIRST FLOOR PLAN & NORTH ELEVATION	ERF: PORTION 2 OF ERF 2 PERSEQUOR PRETORIA

DRAWING NUMBER:	ZCEI/UOB/STG-4/002					
SCALE:	PAPER SIZE:	DESIGNED BY:	DRAWN BY:	PROJECT REF:	DATE:	REVISION
As shown	A1	PFK	KM	TMS-343-25	14 November '25	A

DISCIPLINE: ARCHITECTURAL — BUILDING OCCUPANCY CLASS: G1



SECOND FLOOR KEY
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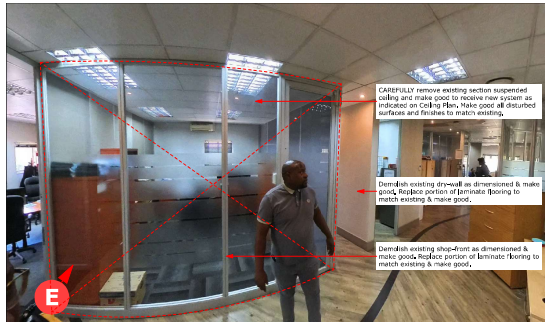
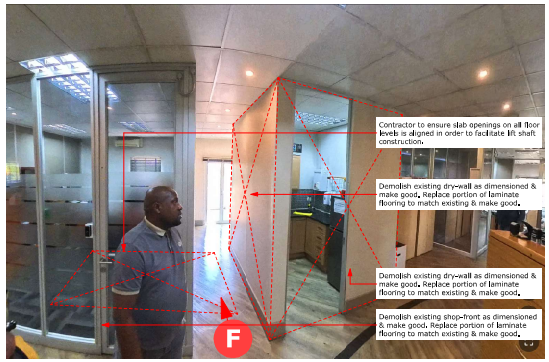
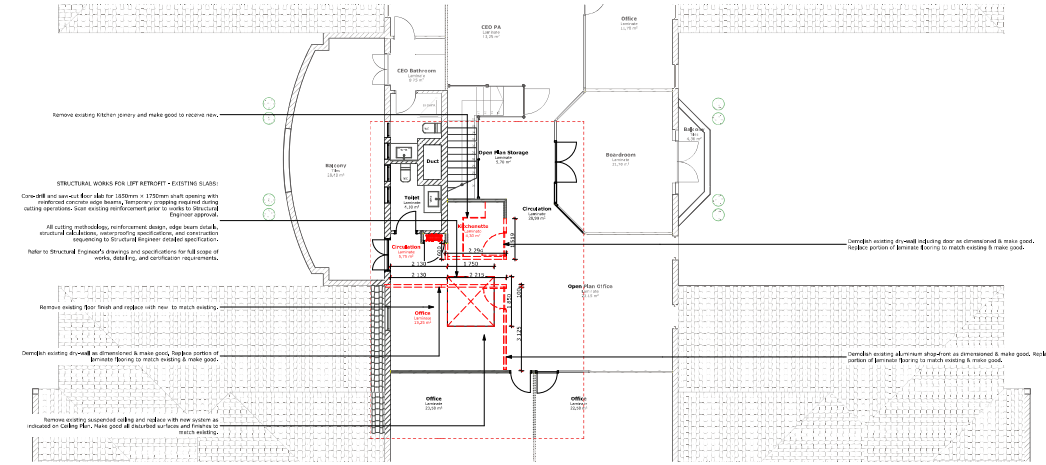
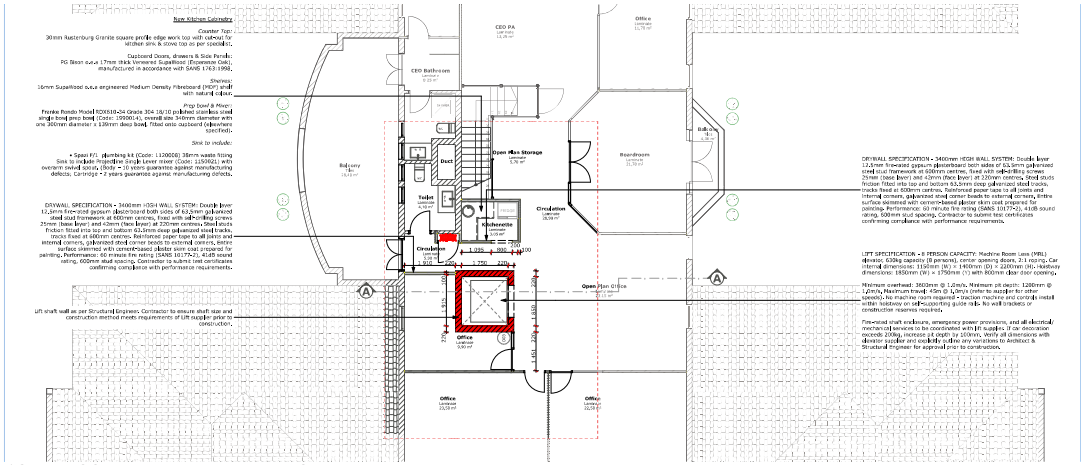


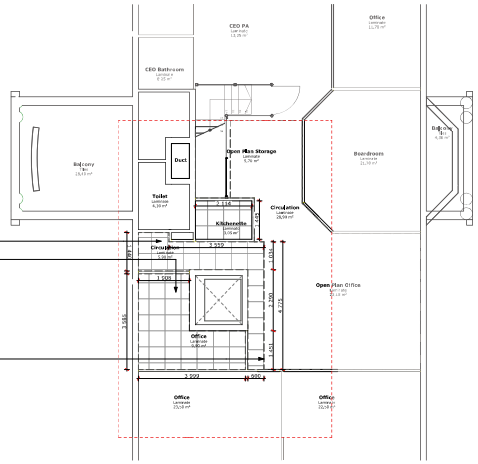




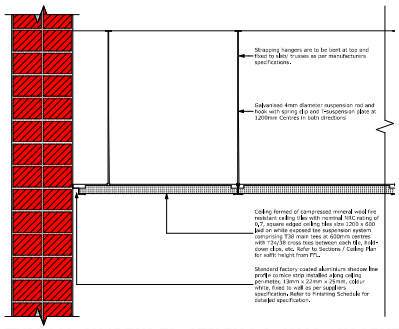
SECOND FLOOR DEMOLITION PLAN
1:100



SECOND FLOOR REFURBISHMENT LAYOUT PLAN
1:100



SECOND FLOOR CEILING PLAN
1:100



TYPICAL SUSPENDED CEILING & SHADOW-LINE
1:10

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HOT WATER SERVICES NOTES:

H1: ALL GEYSER AND HOT WATER PIPES TO COMPLY WITH SANS 10400 AND SANS 204 (ENERGY EFFICIENCY IN BUILDINGS).
H2: ALL GEYSERS TO COMPLY WITH SANS 10252-1.
H3: ALL HEAT EXCHANGE SYSTEMS TO COMPLY WITH SANS 1135.
H4: ALL EXPOSED HOT WATER PIPES SHALL BE INSULATED WITH INSULATION WITH A MINIMUM R VALUE OF 1.4WMK GLASS FIBRE INSULATION OR EQUAL AND APPROVED) INCLUDING ALL COLD WATER SUPPLY PIPES WITHIN 1M OF THE GEYSER.
H5: GEYSERS TO BE POSITIONED AS SHOWN ON PLAN. ALL GEYSER SUPPORT STRUCTURES TO BE SUBJECT TO RATIONAL DESIGN BY ENGINEER.
H6: ALL GEYSERS TO BE INSULATED WITH INSULATION THAT WHEN COMBINED WITH GEYSER'S BUILT IN INSULATION GIVES A TOTAL COMBINED R VALUE OF 2 (GEYSER WITH BUILT IN INSULATION OF R VALUE 1+ 1WMK GLASS FIBRE INSULATION OR EQUAL AND APPROVED).
H7: ALL PIPES TO BE BUILT INTO MASONRY OR CAST INTO CONCRETE TO COMPLY WITH SANS 10254-1

DRAINAGE NOTES:

D1: ALL DRAINAGE TO COMPLY WITH SANS 10400 PART P - DRAINAGE
D2: ALL DRAINS TO BE INSTALLED IN ACCORDANCE WITH SANS 1200DB, SANS 1200LB AND SANS 1200LD.
D3: ALL TRAPS TO COMPLY WITH SANS 1251-1 & SANS 1251-2
D4: ANY DRAINS THAT PASS UNDER THE BUILDING TO BE PROTECTED FROM LOADS AND HAVE A CONTINUOUS GRADIENT UNDER THE BUILDING.
D5: ALL UPVC PIPES TO BE PROTECTED FROM EXPOSURE TO UV RAYS.
D6: ALL TOILETS TO COMPLY WITH SANS 497. ALL TOILET CONNECTORS TO COMPLY WITH SANS 4633

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F1: FOUNDATIONS:
TO COMPLY WITH SANS10400 PART H - FOUNDATIONS SUBJECT TO A RATIONAL DESIGN BY ENGINEER.
F2: FLOORS:
TO COMPLY WITH SANS10400 PART J - FLOORS, SUBJECT TO RATIONAL DESIGN BY ENGINEER. MIN 30mm BORDER SCREED ON MIN 100mm SURFACE BED. SEE FINISHES SCHEDULE FOR FLOOR FINISHES.
F3: WALLS:
TO COMPLY WITH SANS10400 PART K - WALLS OR TO BE PART OF A RATIONAL DESIGN BY ENGINEER. SEE PLAN AND SECTIONS FOR DIMENSIONS AND CONSTRUCTION DETAILS. DAMP PROOF COURSE TO PREVENT RISING DAMP TO BE INSTALLED AS PER SANS 10400 -PART K 4.5.3. DPC TO BE INSTALLED BELOW ALL SILLS. SEE FINISHES SCHEDULE FOR WALL FINISHES.
F4: ROOFS:
SPECIFICATION AS PER ROOF PLAN.
a) TIMBER ROOF STRUCTURE:
ALL TIMBER ROOF STRUCTURES TO BE SUBJECT TO RATIONAL DESIGN BY ENGINEER. SPACING OF BATTENS OR PURLINS TO BE AS PER ROOF COVERING MANUFACTURERS SPECIFICATION. FIXING OF ROOF COVERING AS PER MANUFACTURERS SPECIFICATION. ALL AS PER SANS10400 PART L.
b) CONCRETE ROOF STRUCTURE: TO BE SUBJECT TO A RATIONAL DESIGN BY ENGINEER. ALL AS PER SANS10400 PART L. WATERPROOFING AND SCREED FALLS AS PER SANS10400 PART L.4.3. WATERPROOFING 5mm DERBIGUM WITH 10 YEAR GUARANTEE. MIN FALL 1:50 OF 1:80 ALONG MITRES. DRIPS TO BE PROVIDED TO ALL CONCRETE OVERHANGS.
c) GUTTERS AND DOWN WATER PIPES: AS PER SANS10400 PART L.4.3.2.
d) ROOF INSULATION: ROOF INSULATION TO COMPLY WITH SANS204 - 4.3.6 ROOF ASSEMBLIES. NOTE: INSULATION TO BE CUT AROUND DOWN LIGHTS OR DOWN LIGHTS TO BE INSTALLED IN FERRPROOF BOXES. INSULATION TO PITCHED ROOFS WITH CEILINGS: ZINCALUME SHEETING OR CLAY TILES ON STALLATION 400 (NEW SIDE DOWN) WITH 15MM AIR GAP WITH 150MM FLEXIBLE FIBRE GLASS INSULATION OVER 6MM FLUSH PLASTERED GYPSUM CEILING BOARDS.
e) SUNSCREEN: EXTERNAL SHADING DEVICE AS PER SANS204 - 4.3.3
F5: STAIRWAYS:
ALL STAIRCASES TO BE SUBJECT TO RATIONAL DESIGN BY ENGINEER. ALL STAIRCASES AND RAILINGS TO COMPLY WITH NBR AND SANS10400 PART M - STAIRWAYS, SANS10400 PART T - FIRE PROTECTION. MAX RISER 200mm. MIN TREAD 250mm
F6: GLAZING:
ALL GLAZING TO COMPLY WITH SANS10400 PART N. ALL WINDOWS TO BE SUBJECT TO A RATIONAL DESIGN BY COMPETENT PERSON IN ACCORDANCE WITH SANS204 - 4.3.4
F7: LIGHTING:
ALL ARTIFICIAL LIGHTING TO COMPLY WITH ENERGY REQUIREMENTS OF SANS 204 4.5.1. MINIMUM LIGHTING LEVELS IN ACCORDANCE WITH SANS10114- 1 & SANS10400 - PART O
F8: NATURAL VENTILATION:
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F9: BALUSTRADES AND HANDRAILS:
BALUSTRADES AND HANDRAILS AS PER NBR, SANS 10400 & SANS 10162. REFER TO ARCHITECT'S DETAIL DRAWINGS.
F10: FINISHES:
FINISHES AS PER FINISHING SCHEDULE BY ARCHITECT

= RETAIN EXISTING WALL	= 50mm DRAIN PIPE
= DEMOLISH EXISTING STRUCTURE	= 110mm SOIL PIPE
= CONSTRUCT NEW WALL	= HOT WATER SUPPLY PIPE

CLIENT

UMALUSI

ZANECEBO CONSULTING

Rev#	Description	Date

STATUS: (●) INFORMATION ( ) APPROVAL ( ) TENDER ( ) CONSTRUCTION ( ) AS BUILT

AREAS	SITE AREA:	PERMISSABLE	ACTUAL
	GROUND FLOOR FOOTPRINT		
	GROUND FLOOR COVERAGE		
	FIRST FLOOR FOOTPRINT		
	FIRST FLOOR COVERAGE		
	FLOOR AREA RATIO [FAR]		

ARCHITECT: Francis K.P Kununka
SACAP: **PrArch 21191**
Signature:

ENGINEER: Name:
REG. #:
Signature:

CLIENT: UMALUSI
37 GENERAL VAN RYNEVELD STREET
PERSEQUOR TECHNOPARK, PTA
Signature(s):

PROJECT TITLE
UMALUSI OFFICE BUILDING

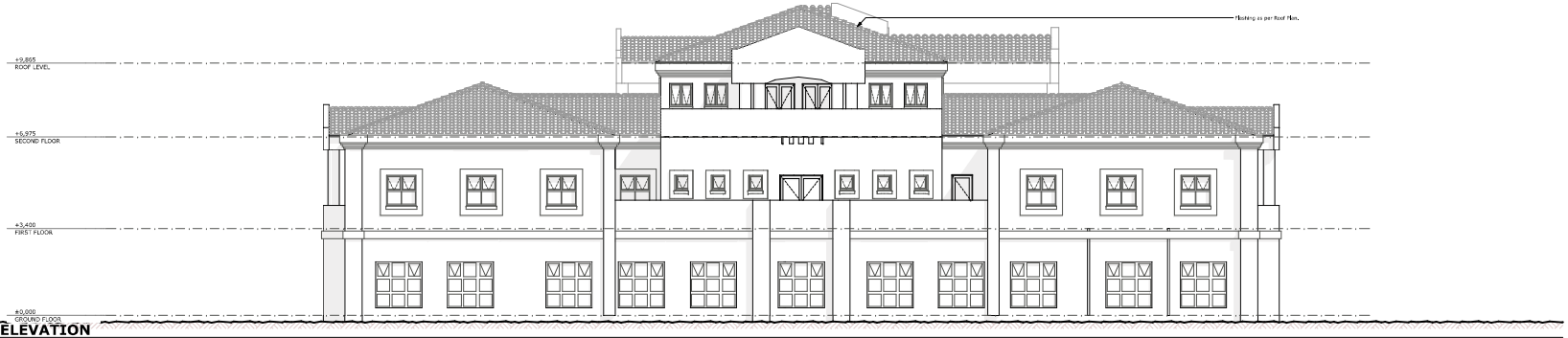
DRAWING TITLE	STAND NUMBER:
SECOND FLOOR & ROOF DEMOLITION PLANS	ERF: PORTION 2 OF ERF 2 PERSEQUOR PRETORIA

DRAWING NUMBER	ZCEI/UOB/STG-4/003					
SCALE	PAPER SIZE	DESIGNED BY:	DRAWN BY:	PROJECT REF:	DATE:	REVISION
As Shown	A1	FKK	KM	ZRS-343-25	14 November 25	A

DISCIPLINE: **ARCHITECTURAL** BUILDING OCCUPANCY CLASS: **G1**

WEST ELEVATION
1:100

SOUTH ELEVATION
1:100



NORTH ELEVATION
1:100

EAST ELEVATION
1:100

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CLIENT

UMALUSI

ZANECEBO CONSULTING

Rev #	Description	Date

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	GROUND FLOOR FOOTPRINT		
	GROUND FLOOR COVERAGE		
	FIRST FLOOR FOOTPRINT		
	FIRST FLOOR COVERAGE		
	FLOOR AREA RATIO [F.A.R]		

ARCHITECT
Francis K.P Kununka
SACAP: **PrArch 21191**
Signature:

DESIGNER
Name:
REG. #:
Signature:

CLIENT
UMALUSI
37 GENERAL VAN RYNEVELD STREET
PERSEQUOR TECHNOPARK, PTA
Signature(s):

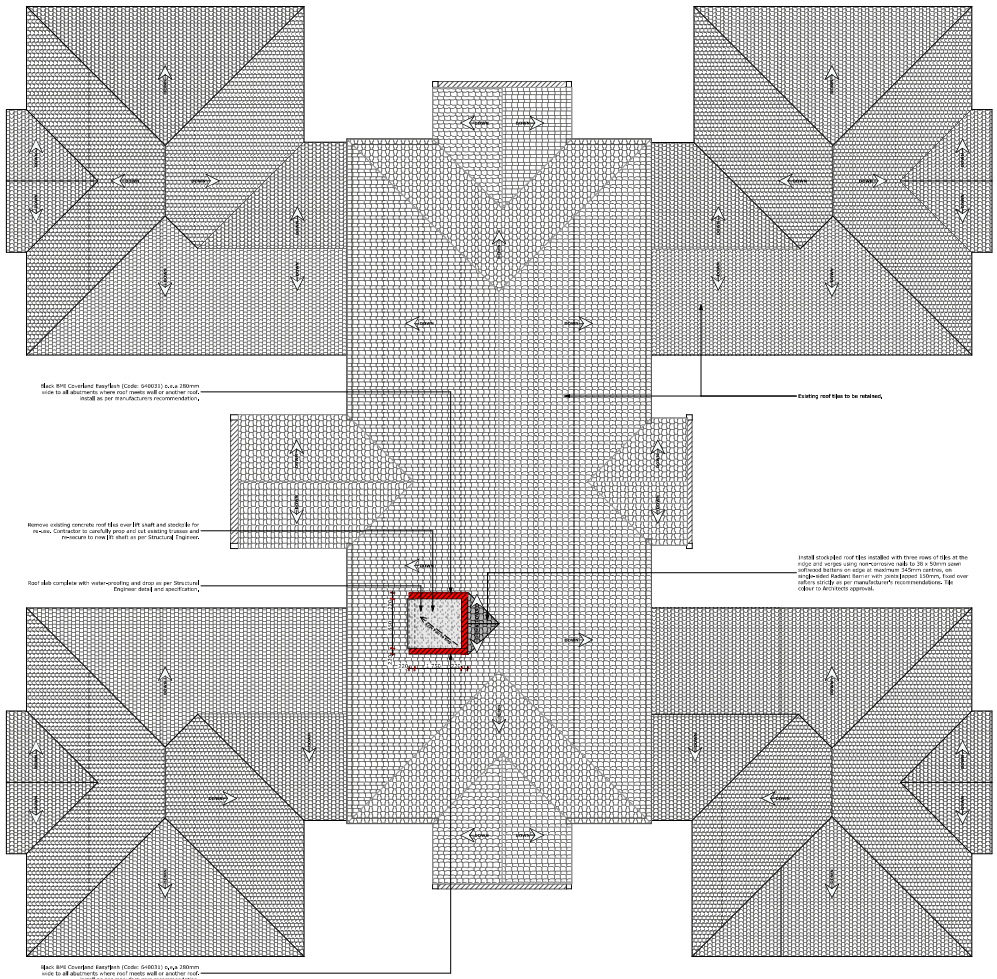
PROJECT TITLE
UMALUSI OFFICE BUILDING

DRAWING TITLE	STAND NUMBER:
SOUTH, EAST WEST & ELEVATION	ERF: PORTION 2 OF ERF 2 PERSEQUOR PRETORIA

DRAWING NUMBER: ZCEI/UOB/STG-4/004

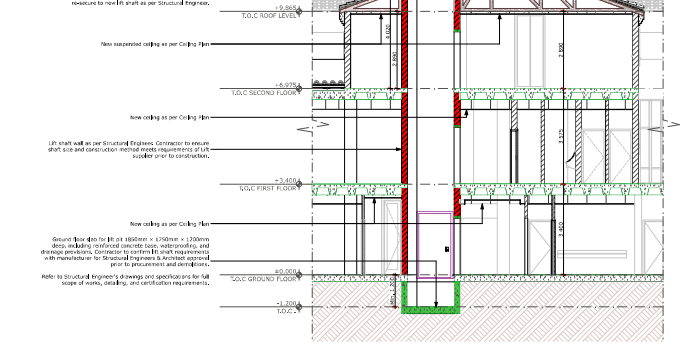
SCALE	PAPER SIZE	DESIGNED BY:	DRAWN BY:	PROJECT REF:	DATE:	REVISION
AS SHOWN	A1	FKK	KM	TMS-343-25	14 November '25	A

DISCIPLINE: **ARCHITECTURAL** BUILDING OCCUPANCY CLASS: **G1**



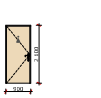
ROOF PLAN
1:100

FINISHING SCHEDULE		GROUND FLOOR: LIFT LOBBY	GROUND FLOOR: STORE ROOM	FIRST FLOOR: PASSAGE	FIRST FLOOR: LIFT LOBBY	FIRST FLOOR: PARAPLEGIC	SECOND FLOOR: LIFT LOBBY	SECOND FLOOR: KITCHEN	SECOND FLOOR: OFFICE	TOTAL REQUIRED	SPECIFICATION
FIXTURES	PARAPLEGIC WC					1				1	Geberit 80mm concealed cistern for paraplegic application floor mounted WC (Article No. 109.310.00.5), front actuated with Sigma 30 for stop-and-go flush actuator (Article No. 115.893.KJ.1) in white / bright chrome / white finish, including flush pipe, water supply connection with angle stop valve, protection cover for service opening and protection cover for flush pipe, fixed with included fastening materials inside solid wall from 120mm up to 200mm, All with Geberit conditional guarantee, Hi Tech Stainless Products (Code 13) o.a.a 32mm Ø grade 304 stainless steel drop leg side rail (without center flange), plugged and screwed to wall with stainless steel screws as per manufacturer.
	PARAPLEGIC WHB					1				1	Duravit Vero ceramic wall mounted basin colour White Alpin (Code: 45450 0000), size 500 x 470 x 130mm deep with one taphole and overflow, fixed with screws and washers to plugs in wall and sealed with abo Dow Corning 785 acetoxy silicone sealant where basin meets wall. Tap: Rubiste o.a.a 153mm SANS-approved long Mixed Elbow Action Medical Standard Guest Basin Mixer in Chrome. Include Chrome plated un-plotted click basin waste (Code: 032232) and Chrome plated universal bottle trap (Code: 031076).
	TOILET ROLL HOLDER					1				1	Franke Stratos STRX618 1,2/1.5mm thick satin finished stainless steel double roll dispenser (Code: 2120041), size 156 x 141 x 303mm high for 2 rolls maximum 108mm diameter with spindle system and cylinder lock with standard Franke key, plugged and screwed to the wall with stainless steel screws.
	SOAP DISPENSER					1				1	Franke Stratos STRX618 1,2/1.5mm thick satin finished stainless steel soap dispenser (Code: 2120041), size 100 x 134 x 304mm high with a replaceable and refillable 1 litre container, cylinder lock with standard Franke key, plugged and screwed to the wall with stainless steel screws.
	PAPER TOWEL DISPENSER					1				1	Franke Stratos STRX600 1,2/1.5mm thick satin finished stainless steel paper towel dispenser (Code: 2120038), size 300 x 134 x 305mm high with a capacity of 300-400 towels and cylinder lock with standard Franke key, plugged and screwed to the wall with stainless steel screws.
	WHB VANITY MIRROR					1				1	450 x 600mm rectangular beveled 'GG' quality polished glass mirror (1 centred above each WHB): Fix to wall position as shown on site with round nose chromium plated mirror screws. Four screws per mirror.
	WASTE BIN		2							2	Franke Stratos STRX605 1,2/1.5mm thick satin finished stainless steel waste bin (Code: 2120048), size 300 x 270 x 520mm high, capacity of 34 litres and cylinder lock with standard Franke key, plugged and screwed to the wall with stainless steel screws.
FLOORS & WALLS	LUXURY VINYL FLOORING		•	•			•	•	•		New floor finish to match existing. Product type: Product Type: Luxury Vinyl Plank (LVP) Finish: Light to Medium Oak, Natural Woodgrain Texture. Colour Tone: Warm neutral with subtle knotting and tonal variation. (MATCH EXISTING) Plank Size: 1210mm (L) x 190mm (W) x 8mm (T) Surface Texture: Embossed-in-register (EIR) woodgrain, low sheen Slip Resistance: Minimum R10 (in accordance with SANS 51130) Abrasion Rating (Laminate): AC4 or higher (commercial grade) Core Material: • Vinyl option: SPC (Stone Plastic Composite) rigid core • Substrate Preparation: Level and smooth cement screed, deviation not to exceed 3mm over 3m, Surface free of dust, oil, and loose material Perimeter Detailing: • Skirting: 100mm MDF or timber skirting, painted or finished to match floor
	CARPET TILES		•		•		•	•			Product Type: Commercial Loop Pile Carpet Tile (Match existing offices) Colour: Charcoal gray / Dark gray Pile Characteristics: • Fiber: 100% solution-dyed nylon (Type 6 or 6,6) • Pile height & weight: Approximately 5-5mm, 500-680 g/m² • Density: High-density commercial grade Tile Format: • Size: 500mm x 500mm (standard carpet tile) • Installation: Modular tile with quarter-turn or ashlar pattern Backing: • Cushion backing or hard backing, suitable for commercial application
	PORCELAIN TILES				•						Porcelain tiles, size 600mm x 600mm, fixed to internal floor screed with TAL tile adhesive (elsewhere specified) mixed with TAL Bond@ in lieu of water with joints continuous in both directions and grouted with TAL tile grout (elsewhere specified), excess grout on the surface to be cleaned with water as work proceeds.
	INTERNAL PAINT (DRY AREAS)	•	•								PRIMER: Apply one coat of Plascon True colour 3 in 1 Primer Sealer PSU 1 using roller or airless spray, allowing 2 hours to dry. FINISHING: Apply two coats of True Colour Thick & Strong (MTC/TTM), using roller or airless spray, to achieve complete obliteration. Allow 1 hour drying time between coats. Finishing coat Colour to Architect Approval. Ensure that surfaces are dry, sound, and free from dust, dirt, grease and oil before painting. Moisture content not more than 8% measured on a Doser Hygrometer 82 scale (or equivalent) before painting. Soft, under bound, friable and highly porous surfaces must be restored to a sound condition with before painting. Cement plaster to cure minimum 14 days before paint application.



SECTION A-A
1:100

DOOR SCHEDULE

Elevation									
Door Number	D01	D02	D03	D04	D05	D06	D07	D08	
Quantity	1	1	1	1	1	1	1	1	
Status	New	New	New	New	New	New	New	New	
Size (W x H x T)	1 900×2 800×100	1 660×2 800×100	1 451×2 800×100	813×2 800×80	1 194×2 800×100	900×2 800×100	900×2 100×110	813×2 032×220	
Door Frame Specification	Aluminium frame compliant with SANS 727 or SANS 1553-2, fixed securely to reveal as per specialist to meet SANS 613 mechanical performance requirements. Contractor to measure, confirm all openings on site & produce Workshop Drawings for Architects approval prior to door manufacture.	Aluminium frame compliant with SANS 727 or SANS 1553-2, fixed securely to reveal as per specialist to meet SANS 613 mechanical performance requirements. Contractor to measure, confirm all openings on site & produce Workshop Drawings for Architects approval prior to door manufacture.	Standard 1.3mm guage 106 Single Rebate mild steel door frame compliant with SANS 1129:2008 fixed securely to reveal with 1.5mm x 25mm hoop iron lugs. Contractor to ensure all frames are square & plumb prior to installation.	Standard 1.3mm guage 106 Single Rebate mild steel door frame compliant with SANS 1129:2008 fixed securely to reveal with 1.5mm x 25mm hoop iron lugs. Contractor to ensure all frames are square & plumb prior to installation.	Aluminium frame compliant with SANS 727 or SANS 1553-2, fixed securely to reveal as per specialist to meet SANS 613 mechanical performance requirements. Contractor to measure, confirm all openings on site & produce Workshop Drawings for Architects approval prior to door manufacture.	Aluminium frame compliant with SANS 727 or SANS 1553-2, fixed securely to reveal as per specialist to meet SANS 613 mechanical performance requirements. Contractor to measure, confirm all openings on site & produce Workshop Drawings for Architects approval prior to door manufacture.	Standard 1.3mm guage 106 Single Rebate mild steel door frame compliant with SANS 1129:2008 fixed securely to reveal with 1.5mm x 25mm hoop iron lugs. Contractor to ensure all frames are square & plumb prior to installation.	Standard 1.3mm guage 106 Single Rebate mild steel door frame compliant with SANS 1129:2008 fixed securely to reveal with 1.5mm x 25mm hoop iron lugs. Contractor to ensure all frames are square & plumb prior to installation.	
Frame Finish	Natural anodised 15µm coating (for architectural applications), supplied by a manufacturer complying with SANS 999:2013.	Natural anodised 15µm coating (for architectural applications), supplied by a manufacturer complying with SANS 999:2013.	Natural anodised 15µm coating (for architectural applications), supplied by a manufacturer complying with SANS 999:2013.	Natural anodised 15µm coating (for architectural applications), supplied by a manufacturer complying with SANS 999:2013.	Natural anodised 15µm coating (for architectural applications), supplied by a manufacturer complying with SANS 999:2013.	Natural anodised 15µm coating (for architectural applications), supplied by a manufacturer complying with SANS 999:2013.	2 coats Enamel based paint as per specialist. Spot prime mild steel with Nanotech Synthetic Metal Primer & apply one coat Universal Undercoat, Colour As per Paint Schedule / Architects approval.	2 coats Enamel based paint as per specialist. Spot prime mild steel with Nanotech Synthetic Metal Primer & apply one coat Universal Undercoat, Colour As per Paint Schedule / Architects approval.	
Door Panel(s) Specification	Aluminium framed door panel(s), with glazed panel as per specialist. Glazing spec: 6.38mm laminated normal strength low emissivity safety glass, SolarVue™ Neutral E Range o.a.a. Glazing to comply with NBR N Schedule 1 & the requirements of SANS 1263 Parts 1 & 2 as applicable to NS, HPR & HI strengths respectively. Refer to Door Elevation for dimensions & opening sections.	Aluminium framed door panel(s), with glazed panel as per specialist. Glazing spec: 6.38mm laminated normal strength low emissivity safety glass, SolarVue™ Neutral E Range o.a.a. Glazing to comply with NBR N Schedule 1 & the requirements of SANS 1263 Parts 1 & 2 as applicable to NS, HPR & HI strengths respectively. Refer to Door Elevation for dimensions & opening sections.	40mm thick medium duty semi-solid flush panel timber door. Refer to Door Elevation for dimensions & opening sections.	40mm thick medium duty semi-solid flush panel timber door. Refer to Door Elevation for dimensions & opening sections.	Aluminium framed door panel(s), with glazed panel as per specialist. Glazing spec: 6.38mm laminated normal strength low emissivity safety glass, SolarVue™ Neutral E Range o.a.a. Glazing to comply with NBR N Schedule 1 & the requirements of SANS 1263 Parts 1 & 2 as applicable to NS, HPR & HI strengths respectively. Refer to Door Elevation for dimensions & opening sections.	Aluminium framed door panel(s), with glazed panel as per specialist. Glazing spec: 6.38mm laminated normal strength low emissivity safety glass, SolarVue™ Neutral E Range o.a.a. Glazing to comply with NBR N Schedule 1 & the requirements of SANS 1263 Parts 1 & 2 as applicable to NS, HPR & HI strengths respectively. Refer to Door Elevation for dimensions & opening sections.	40mm thick medium duty semi-solid flush panel timber door. Refer to Door Elevation for dimensions & opening sections.	40mm thick medium duty semi-solid flush panel timber door. Refer to Door Elevation for dimensions & opening sections.	
Door Panel Finish	Natural Anodised 15µm coating, supplied by a manufacturer complying with SANS 999:2013. Glazing panel as specified.	Natural Anodised 15µm coating, supplied by a manufacturer complying with SANS 999:2013. Glazing panel as specified.	Natural Anodised 15µm coating, supplied by a manufacturer complying with SANS 999:2013. Glazing panel as specified.	Natural Anodised 15µm coating, supplied by a manufacturer complying with SANS 999:2013. Glazing panel as specified.	Natural Anodised 15µm coating, supplied by a manufacturer complying with SANS 999:2013. Glazing panel as specified.	Natural Anodised 15µm coating, supplied by a manufacturer complying with SANS 999:2013. Glazing panel as specified.	1 coat primer & 2 coats quality low VOC water based timber sealant with matt finish in accordance with the manufacturer's recommendations. Surface to be dry, sound and clean prior to application.	1 coat primer & 2 coats quality low VOC water based timber sealant with matt finish in accordance with the manufacturer's recommendations. Surface to be dry, sound and clean prior to application.	
Ironmongery	Refer to Ironmongery Schedule.	Refer to Ironmongery Schedule.	Refer to Ironmongery Schedule.	Refer to Ironmongery Schedule.	Refer to Ironmongery Schedule.	Refer to Ironmongery Schedule.	Refer to Ironmongery Schedule.	Refer to Ironmongery Schedule.	

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GENERAL NOTES TO ALL CONTRACTORS

This drawing is not to scale. Only figured dimensions are to be followed. Contractors are to check all dimensions, levels and specifications before any work commences & refer any apparent discrepancy to the Architect for clarification. ACTS OF PARLIAMENT: All Contractors shall ensure that, before any work is put in hand, they comply with all the relevant Acts of Parliament of the Republic of South Africa.

HOT WATER SERVICES NOTES:
H1: ALL GEYSERS AND HOT WATER PIPES TO COMPLY WITH SANS 10400 AND SANS 204 (ENERGY EFFICIENCY IN BUILDINGS).
H2: ALL GEYSERS TO COMPLY WITH SANS 10252-1.
H3: ALL HEAT EXCHANGE SYSTEMS TO COMPLY WITH SANS 1135.
H4: ALL EXPOSED HOT WATER PIPES SHALL BE INSULATED WITH INSULATION WITH A MINIMUM R VALUE OF 1.4WMK GLASS FIBRE INSULATION OR EQUAL AND APPROVED) INCLUDING ALL COLD WATER SUPPLY PIPES WITHIN 1M OF THE GEYSERS.
H5: GEYSERS TO BE POSITIONED AS SHOWN ON PLAN. ALL GEYSER SUPPORT STRUCTURES TO BE SUBJECT TO RATIONAL DESIGN BY ENGINEER.
H6: ALL GEYSERS TO BE INSULATED WITH INSULATION THAT WHEN COMBINED WITH GEYSER'S BUILT IN INSULATION GIVES A TOTAL COMBINED R VALUE OF 2 (GEYSER WITH BUILT IN INSULATION OF R VALUE 1+ ADDITIONAL GLASS FIBRE INSULATION OR EQUAL AND APPROVED).
H7: ALL PIPES TO BE BUILT INTO MASONRY OR CAST INTO CONCRETE TO COMPLY WITH SANS 10254-1

DRAINAGE NOTES:
D1: ALL DRAINAGE TO COMPLY WITH SANS 10400 PART P - DRAINAGE
D2: ALL DRAINS TO BE INSTALLED IN ACCORDANCE WITH SANS 1200DB, SANS 1200LB AND SANS 1200LD.
D3: ALL TRAPS TO COMPLY WITH SANS 1251-1 & SANS 1251-2
D4: ANY DRAINS THAT PASS UNDER THE BUILDING TO BE PROTECTED FROM LOADS AND HAVE A CONTINUOUS GRADIENT UNDER THE BUILDING.
D5: ALL UPVC PIPES TO BE PROTECTED FROM EXPOSURE TO UV RAYS.
D6: ALL TOILETS TO COMPLY WITH SANS 497. ALL TOILET CONNECTORS TO COMPLY WITH SANS 4603

SANS 10400 COMPLIANCE NOTES:
BUILDING CONTRACTOR IS TO ENSURE THAT ALL COMPONENTS OF THE PROPOSED BUILDING(S) COMPLY WITH THE NATIONAL BUILDING REGULATIONS & SANS 10400 CODE OF PRACTICE. BUILDING CONTRACTOR TO ADHERE TO ABOVE REGULATORY DOCUMENTS FOR ANY FURTHER CLARIFICATION REQUIRED.
F1: FOUNDATIONS:
TO COMPLY WITH SANS10400 PART H - FOUNDATIONS SUBJECT TO A RATIONAL DESIGN BY ENGINEER.
F2: FLOORS:
TO COMPLY WITH SANS10400 PART J - FLOORS, SUBJECT TO RATIONAL DESIGN BY ENGINEER. MIN 30mm BORGES SCREED ON MIN 100mm SURFACE BED. SEE FINISHES SCHEDULE FOR FLOOR FINISHES.
F3: WALLS:
TO COMPLY WITH SANS10400 PART K - WALLS OR TO BE PART OF A RATIONAL DESIGN BY ENGINEER. SEE PLAN AND SECTIONS FOR DIMENSIONS AND CONSTRUCTION DETAILS. DAMP PROOF COURSE TO PREVENT RISING DAMP TO BE INSTALLED AS PER SANS 10400 -PART K 4.5.3. DPC TO BE INSTALLED BELOW ALL SILLS. SEE FINISHES SCHEDULE FOR WALL FINISHES.
F4: ROOFS:
SPECIFICATION AS PER ROOF PLAN.
a) TIMBER ROOF STRUCTURE:
ALL TIMBER ROOF STRUCTURES TO BE SUBJECT TO RATIONAL DESIGN BY ENGINEER. SPACING OF RAFTERS OR PURLINS TO BE AS PER ROOFING MANUFACTURERS SPECIFICATION. FIXING OF ROOF COVERING AS PER MANUFACTURERS SPECIFICATION. ALL AS PER SANS10400 PART L.
b) CONCRETE ROOF STRUCTURE: TO BE SUBJECT TO A RATIONAL DESIGN BY ENGINEER. ALL AS PER SANS10400 PART L. WATERPROOFING AND SCREED FALLS AS PER SANS10400 PART L 4.3. WATERPROOFING 5mm DERBIGUM WITH 10 YEAR GUARANTEE. MIN FALL 1:50 OF 1:80 ALONG MITRES. DRIPS TO BE PROVIDED TO ALL EDGES TO EXPANSION.
c) GUTTERS AND DOWN WATER PIPES: AS PER SANS10400 PART L 4.3.2.
d) ROOF INSULATION: ROOF INSULATION TO COMPLY WITH SANS204 - 4.3.6 ROOF ASSEMBLIES. NOTE: INSULATION TO BE CUT AROUND DOWN LIGHTS OR DOWN LIGHTS TO BE INSTALLED IN FIRERPROOF BOXES. INSULATION TO PITCHED ROOFS WITH CEILINGS: ZINCALUME SHEETING OR CLAY TILES ON STALACTON 405 (NEW SIDE DOWN) WITH 15MM AIR GAP WITH 150MM REFLECTIVE FIBRE GLASS INSULATION OVER 6MM FLUSH PLASTERED GYPSUM CEILING BOARDS.
e) SUNSCREEN: EXTERNAL SHADING DEVICE AS PER SANS204 - 4.3.3
F5: STAIRWAYS:
ALL STAIRCASES TO BE SUBJECT TO RATIONAL DESIGN BY ENGINEER. ALL STAIRCASES AND RAILINGS TO COMPLY WITH NBR AND SANS10400 PART M - STAIRWAYS, SANS10400 PART T - FIRE PROTECTION, MAX RISER 200mm, MIN TREAD 250mm
F6: GLAZING:
ALL GLAZING TO COMPLY WITH SANS10400 PART N. ALL WINDOWS TO BE SUBJECT TO A RATIONAL DESIGN BY COMPETENT PERSON IN ACCORDANCE WITH SANS204 - 4.3.4
F7: LIGHTING:
ALL ARTIFICIAL LIGHTING TO COMPLY WITH ENERGY REQUIREMENTS OF SANS 204 4.5.1. MINIMUM LIGHTING LEVELS IN ACCORDANCE WITH SANS10114-1 & SANS10400 - PART O
F8: NATURAL VENTILATION:
BUILDING TO BE NATURALLY VENTILATED IN TERMS OF SANS10400 PART O. ANY MECHANICAL VENTILATION, HEATING OR COOLING TO BE PART OF A RATIONAL DESIGN BY MECHANICAL ENGINEER, IN TERMS OF SANS 204 4.4 - MECHANICAL VENTILATION AND AIR CONDITIONING.
F9: BALUSTRADES AND HANDRAILS:
BALUSTRADES AND HANDRAILS AS PER NBR, SANS 10400 & SANS 10162. REFER TO ARCHITECTS DETAIL DRAWINGS.
F10: FINISHES:
FINISHES AS PER FINISHING SCHEDULE BY ARCHITECT

= RETAIN EXISTING WALL	= 50mm DRAIN PIPE
= DEMOLISH EXISTING STRUCTURE	= 110mm SOIL PIPE
= CONSTRUCT NEW WALL	= HOT WATER SUPPLY PIPE

CLIENT

UMALUSI

ZANECEBO CONSULTING

Rev#	Description	Date

STATUS: INFORMATION ○ APPROVAL ○ TENDER ○ CONSTRUCTION ○ AS BUILT

AREAS	SITE AREA:	PERMISSABLE	ACTUAL
	GROUND FLOOR FOOTPRINT		
	GROUND FLOOR COVERAGE		
	FIRST FLOOR FOOTPRINT		
	FIRST FLOOR COVERAGE		
	FLOOR AREA RATIO [FAR]		

ARCHITECT: Francis K.P Kununka
SACAP: **PrArch 21191**
Signature:

ENGINEER: Name:
REG. #:
Signature:

CLIENT: UMALUSI
37 GENERAL VAN RYNEVELD STREET
PRESEQUOR TECHNOPARK, PTA
Signature(s):

PROJECT TITLE
UMALUSI OFFICE BUILDING

DRAWING TITLE	STAND NUMBER:
ROOF PLAN + DOOR SCHEUDLE	ERF: PORTION 2 OF ERF 2 PERSEQUOR PRETORIA

DRAWING NUMBER: ZCE1/UOB/STG-4/005

SCALE	PAPER SIZE	DESIGNED BY	DRAWN BY	PROJECT REF.	DATE	REVISION
As Shown	A1	FKK	KM	1745-343-25	14 November 25	A

DISCIPLINE: **ARCHITECTURAL** BUILDING OCCUPANCY CLASS: **G1**