

ARCHITECT

	WALKWAY - 60mm THICK INTERLOCKING G-BLOCK PAVING ON APPROVED SUB-LAYERS TO PR. ENG'S DETAILS
	DRIVEWAY - 60mm THICK INTERLOCKING G-BLOCK PAVING ON APPROVED SUB-LAYERS TO PR. ENG'S DETAILS
	PROPOSED NEW BUILDINGS
	NEW CRICKET PRACTICE NET
	NEW KIKUYU GRASS
	15mm RUBBER STOBITAN SANDWICH SYSTEM ON 40mm THICK ASPHALT ON APPROVED SUB-LAYERS TO PR. ENG'S DETAILS

FUNDED BY DSRAC:	
SPECTATOR ABLUTIONS	: 123.245 m ²
CRICKET PRACTICE NETS (2 PITCH)	: 210.000 m ²
WALKWAYS	(1020m ²)
SPECTATOR SEATING (1000 SEATS)	
JAVELIN FIELD	(7850m ²)
SERVICE ROAD	(300m ²)
BOREHOLE	
PUMP-HOUSE + ELEV. TANK	: 12.250 m ²
FUNDED BY WMMLM:	
MULTI-PURPOSE CENTRE	: 1 459.079 m ²
VERANDAH	: 28.380 m ²
FOYER & OFFICE	: 216.228 m ²
CHANGE RM & ABLUTIONS	: 196.631 m ²
SPORTS HALL	: 1 017.940 m ²
PARKING (900m ²)	

GRANDSTANDS (1000)
PUBLIC SUBJECT TO PEAK DEMAND (1000)

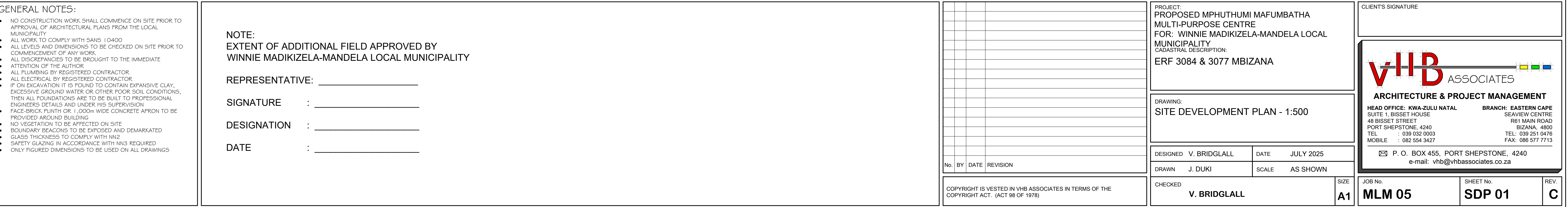
MALE -	03 WC
	12 URINALS
	04 WHB
FEMALE -	16 WC
	07 WHB

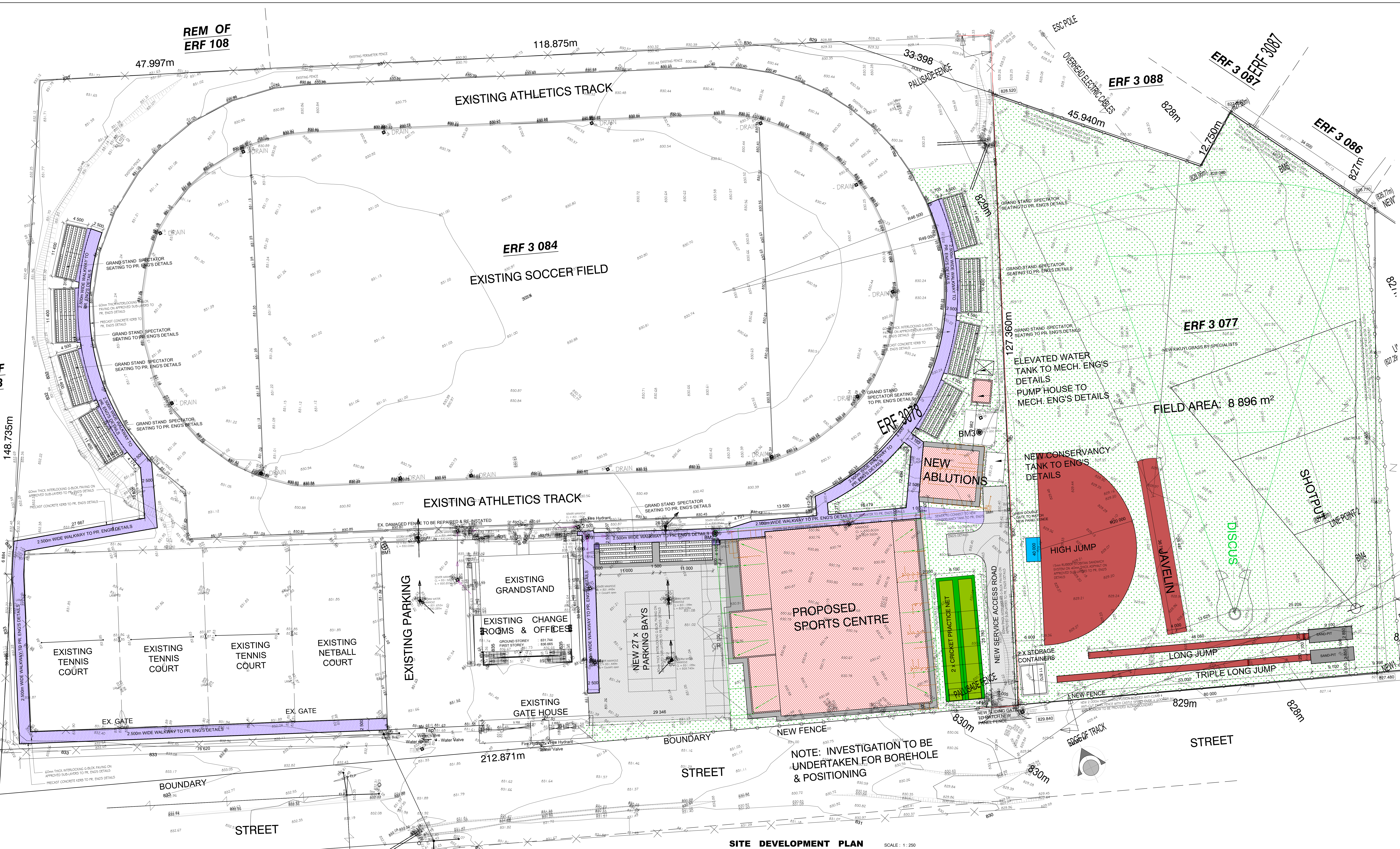
PARTICIPANTS - POPULATION : 40
MALE - 04 WC
01 URINALS
04 WHB
04 SHOWERS

04 SHOWERS

02 WC
04 URINALS
04 WHB

04 WIND





GENERAL NOTES:

- NO CONSTRUCTION WORK SHALL COMMENCE ON SITE PRIOR TO APPROVAL OF ARCHITECTURAL PLANS FROM THE LOCAL MUNICIPALITY.
- ALL WORK TO COMPLY WITH SANS 10400
- ALL LEVELS AND DIMENSIONS TO BE CHECKED ON SITE PRIOR TO COMMENCEMENT OF ANY WORK
- ALL DISCREPANCIES TO BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE ARCHITECT
- ALL PLUMBING BY REGISTERED CONTRACTOR
- ALL ELECTRICAL BY REGISTERED CONTRACTOR
- IF ON EXCAVATION IT IS FOUND TO CONTAIN EXPANSIVE CLAY, EXCESSIVE GROUND WATER OR OTHER POOR SOIL CONDITIONS, THEN ALL FOUNDATIONS ARE TO BE BUILT TO PROFESSIONAL ENGINEER'S DETAILS AND UNDER HIS SUPERVISION
- FACE-BRICK PLINTH OR 1,000mm WIDE CONCRETE APRON TO BE PROVIDED AROUND BUILDING
- NO VEGETATION TO BE AFFECTED ON SITE
- BOUNDARY MARKERS TO BE PROVIDED AND DEMARKED WITH GLASS THICKNESS TO COMPLY WITH SANS 10400
- SAFETY FENCING IN ACCORDANCE WITH SANS 10400
- ONLY FIGURED DIMENSIONS TO BE USED ON ALL DRAWINGS

CLIENT'S SIGNATURE

vvhb ASSOCIATES
ARCHITECTURE & PROJECT MANAGEMENT

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BRANCH: EASTERN CAPE
SEAVIEW CENTRE
161 MAIN ROAD
BIZANA, 4600
TEL: 039 251 0603
FAX: 039 251 7713

DESIGNED: V. BRIDGLALL	DATE: JULY 2025
DRAWN: J. DUKI	SCALE: AS SHOWN
CHECKED: V. BRIDGLALL	

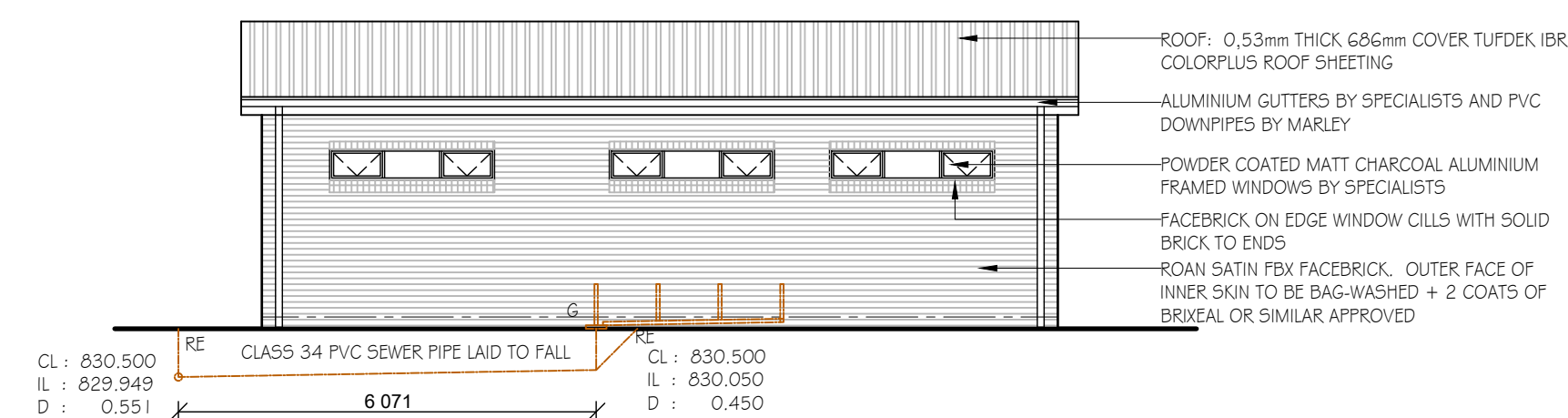
SIZE: A0	JOB NO: MLM 05	SHEET NO: SDP 02	REV: C
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SECTION A - A

DESIGNED	V. BRIDGLALL	DATE	JUNE 2025
DRAWN	J. DUKI	SCALE	AS SHOWN
CHECKED	V. BRIDGLALL		SIZE A2
JOB No. MLM 05	SHEET No. CW 01	REV. C	



SCALE : 1 : 100



SCALE : 1 : 100



SCALE : 1 : 100



SCALE : 1 : 100



SCALE : 1 : 50

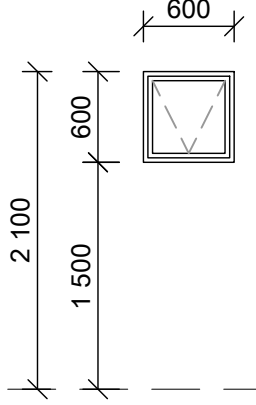
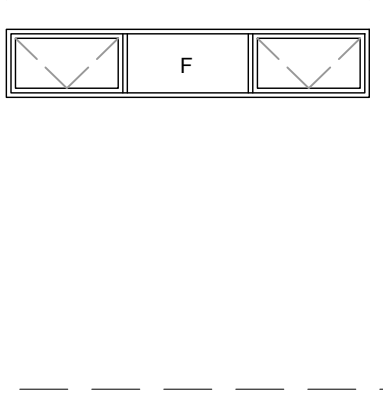
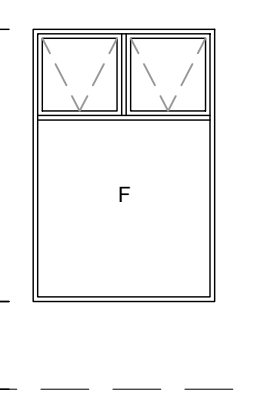
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- FACE-BRICK FINISH OR 1,00mm WIDE CONCRETE APRON TO BE PROVIDED AROUND BUILDING
- NO VEGETATION TO BE AFFECTED ON SITE
- BOUNDARY BEACONS TO BE EXPOSED AND DEMARKED
- GLAZING FIXTURES TO COMPLY WITH SANS 10400
- SAFETY GLAZING IN ACCORDANCE WITH NBS 1902
- ONLY GIVEN DIMENSIONS TO BE USED ON ALL DRAWINGS

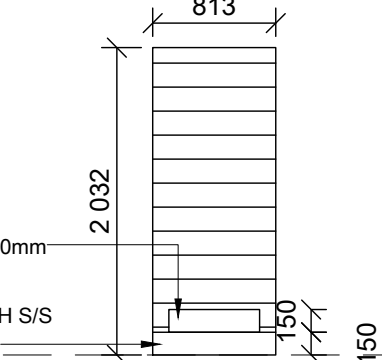
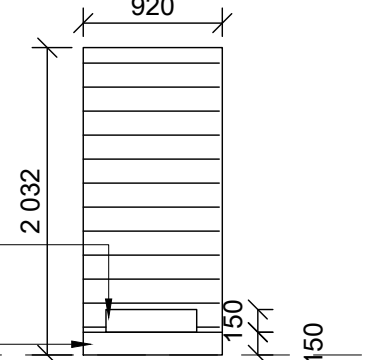
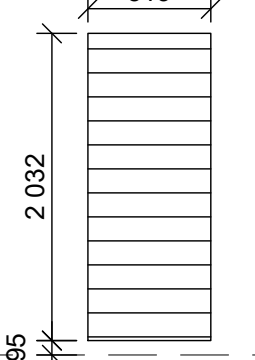
CLIENT'S SIGNATURE _____

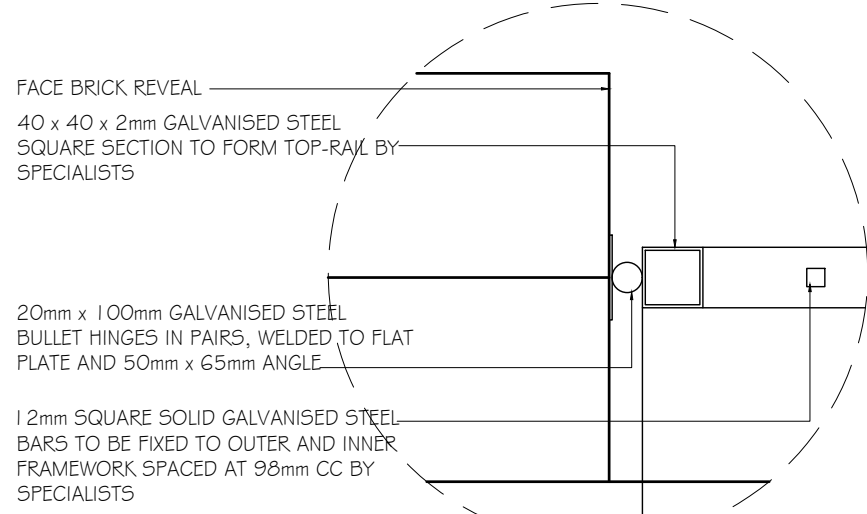
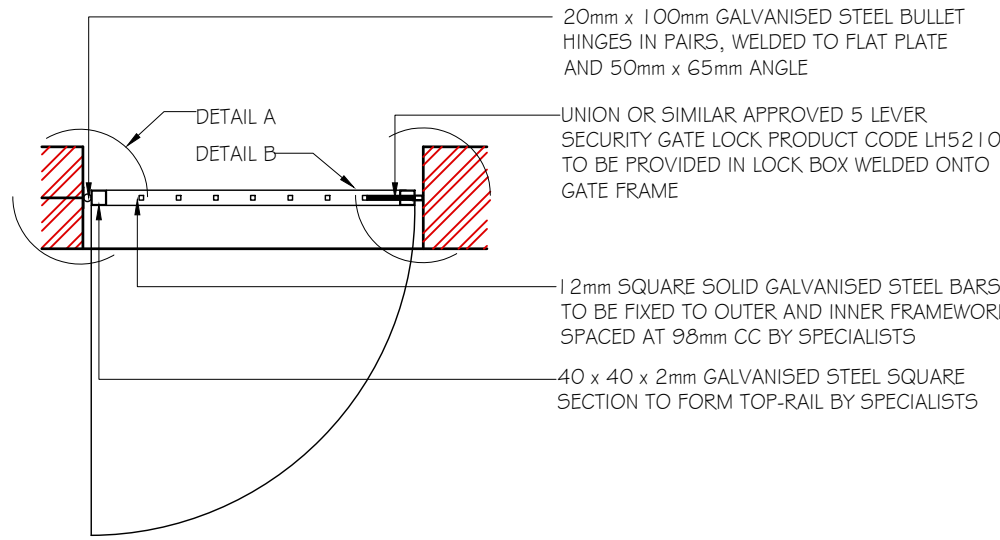
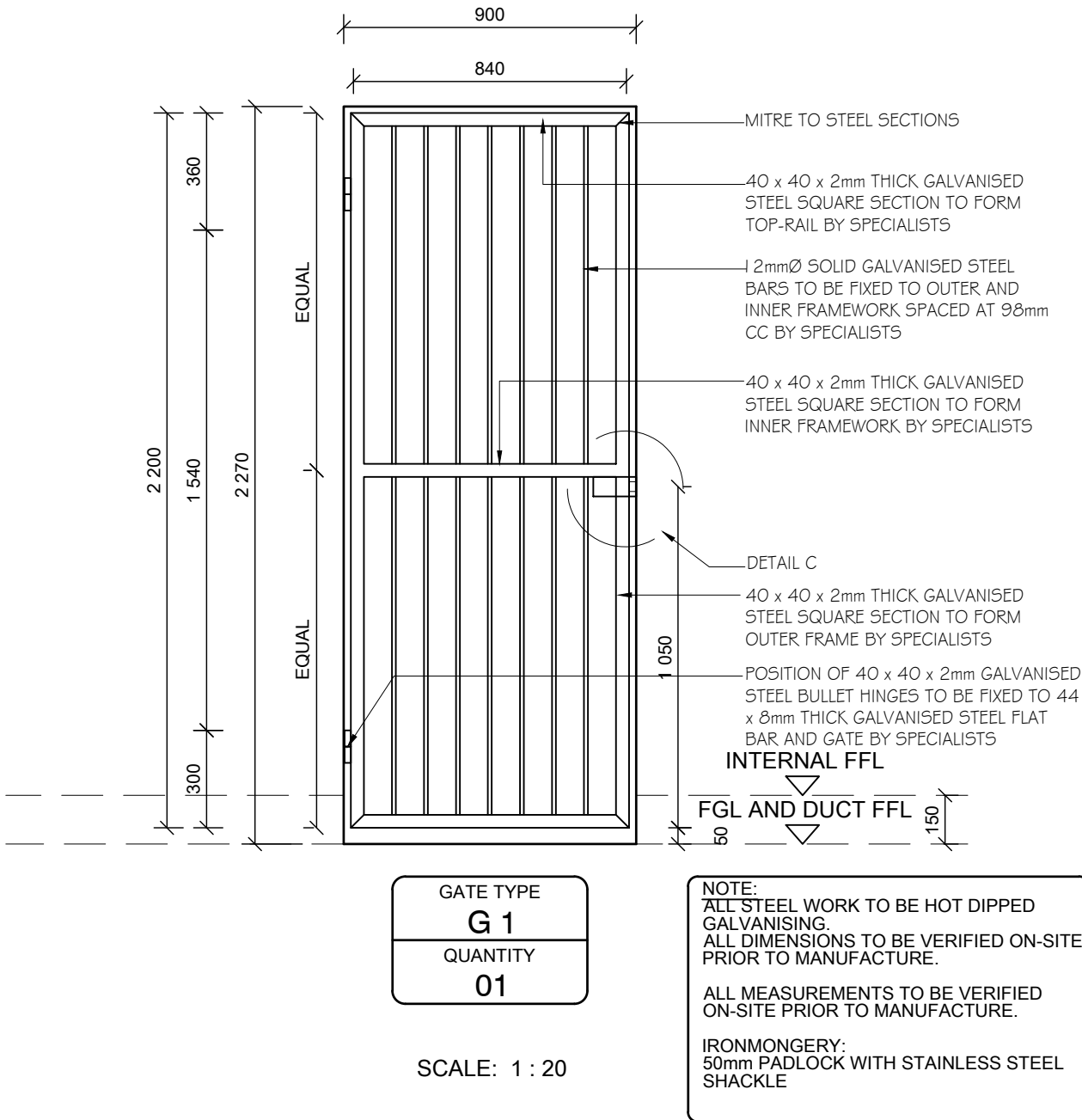
PROJECT:
PROPOSED MPHUTHUMI MAFUMBATHA
MULTI-PURPOSE CENTRE
FOR: WINNIE MADIKIZELA-MANDELA LOCAL
MUNICIPALITY
CADASTRAL DESCRIPTION:
ERF 3084 & 3077 MBIZANA

DRAWING:
SPECTATOR ABLUTION BLOCK

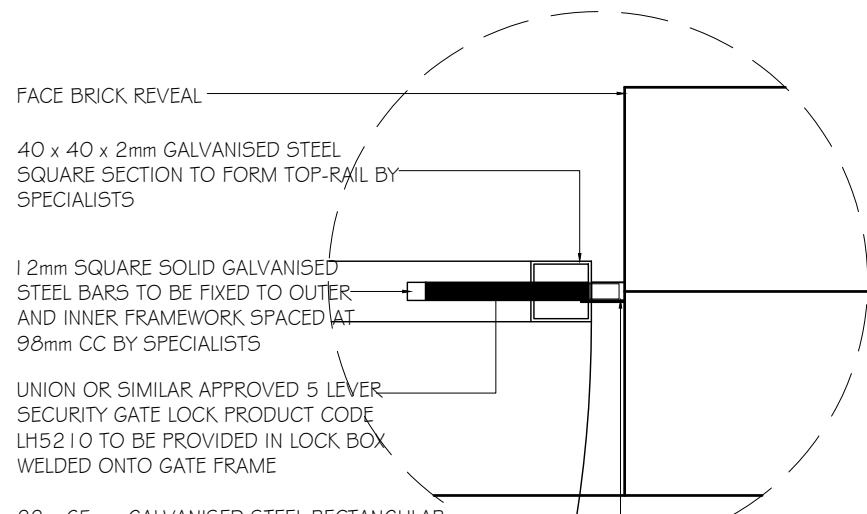
DESIGNED	V. BRIDGLALL	DATE	JUNE 2025
DRAWN	J. DUKE	SCALE	AS SHOWN
CHECKED	V. BRIDGLALL	SIZE A1	
JOB No.	MLM 05	SHEET No.	CW 03
		REV.	C

WINDOW SCHEDULE				SCALE : 1 : 50
				
WINDOW TYPE	W1	W2	W3	
QUANTITY	11	04	02	
WINDOW DESCRIPTION	EXTRUDED ALUMINIUM FRAMED WINDOW SECTIONS SHALL BE FABRICATED FROM ALLOY 6063 OR 6061 IN TEMPER T5 OR T6 ALL IN ACCORDANCE WITH THE LATEST EDITION OF BS EN 755 VENTILATORS TO BE PIVOT HUNG OUTWARD OPENING ON STAINLESS STEEL FRICTION HINGES.	EXTRUDED ALUMINIUM FRAMED WINDOW SECTIONS SHALL BE FABRICATED FROM ALLOY 6063 OR 6061 IN TEMPER T5 OR T6 ALL IN ACCORDANCE WITH THE LATEST EDITION OF BS EN 755 VENTILATORS TO BE PIVOT HUNG OUTWARD OPENING ON STAINLESS STEEL FRICTION HINGES.	EXTRUDED ALUMINIUM FRAMED WINDOW SECTIONS SHALL BE FABRICATED FROM ALLOY 6063 OR 6061 IN TEMPER T5 OR T6 ALL IN ACCORDANCE WITH THE LATEST EDITION OF BS EN 755 VENTILATORS TO BE PIVOT HUNG OUTWARD OPENING ON STAINLESS STEEL FRICTION HINGES.	
GLAZING	6.38mm NORMAL STRENGTH SAND-BLASTED LAMINATED SAFETY GLASS TO COMPLY WITH SANS 1263 PART 1 & 2 WITH NAME OF THE MANUFACTURER PERMANENTLY MARKED ON EACH PANE VISIBLE AFTER GLAZING, IN ACCORDANCE WITH SANS 10400 PART N SCHEDULE 1 AND SANS 10137:2002	6.38mm NORMAL STRENGTH SAND-BLASTED LAMINATED SAFETY GLASS TO COMPLY WITH SANS 1263 PART 1 & 2 WITH NAME OF THE MANUFACTURER PERMANENTLY MARKED ON EACH PANE VISIBLE AFTER GLAZING, IN ACCORDANCE WITH SANS 10400 PART N SCHEDULE 1 AND SANS 10137:2002	6.38mm NORMAL STRENGTH SAND-BLASTED LAMINATED SAFETY GLASS TO COMPLY WITH SANS 1263 PART 1 & 2 WITH NAME OF THE MANUFACTURER PERMANENTLY MARKED ON EACH PANE VISIBLE AFTER GLAZING, IN ACCORDANCE WITH SANS 10400 PART N SCHEDULE 1 AND SANS 10137:2002	
IRONMONGERY	305 STAINLESS STEEL FRICTION HINGES TO VENTILATORS. WEDGELESS HANDLES BY "WISPECO"	305 STAINLESS STEEL FRICTION HINGES TO VENTILATORS. WEDGELESS HANDLES BY "WISPECO"	305 STAINLESS STEEL FRICTION HINGES TO VENTILATORS. WEDGELESS HANDLES BY "WISPECO"	
WINDOW FINISH	POWDER COATING: INTERPON D1025, SANS 1796 COMPLIANT, QUALICOAT CLASS 1 COMPLIANT POWDER (60 - 80µ), APPLIED BY INTERPON APPROVED APPLICATOR IN STRICT ACCORDANCE WITH SANS 1578. SUPPLY 15 YEAR PROJECT WARRANTY CERTIFICATE - COLOUR: MATT CHARCOAL. ALL ALUMINIUM SHALL BE PRE-TREATED IN ACCORDANCE WITH SANS 1796 SO AS TO ENSURE EXCELLENT ADHERENCE PROPERTIES.	POWDER COATING: INTERPON D1025, SANS 1796 COMPLIANT, QUALICOAT CLASS 1 COMPLIANT POWDER (60 - 80µ), APPLIED BY INTERPON APPROVED APPLICATOR IN STRICT ACCORDANCE WITH SANS 1578. SUPPLY 15 YEAR PROJECT WARRANTY CERTIFICATE - COLOUR: MATT CHARCOAL. ALL ALUMINIUM SHALL BE PRE-TREATED IN ACCORDANCE WITH SANS 1796 SO AS TO ENSURE EXCELLENT ADHERENCE PROPERTIES.	POWDER COATING: INTERPON D1025, SANS 1796 COMPLIANT, QUALICOAT CLASS 1 COMPLIANT POWDER (60 - 80µ), APPLIED BY INTERPON APPROVED APPLICATOR IN STRICT ACCORDANCE WITH SANS 1578. SUPPLY 15 YEAR PROJECT WARRANTY CERTIFICATE - COLOUR: MATT CHARCOAL. ALL ALUMINIUM SHALL BE PRE-TREATED IN ACCORDANCE WITH SANS 1796 SO AS TO ENSURE EXCELLENT ADHERENCE PROPERTIES.	

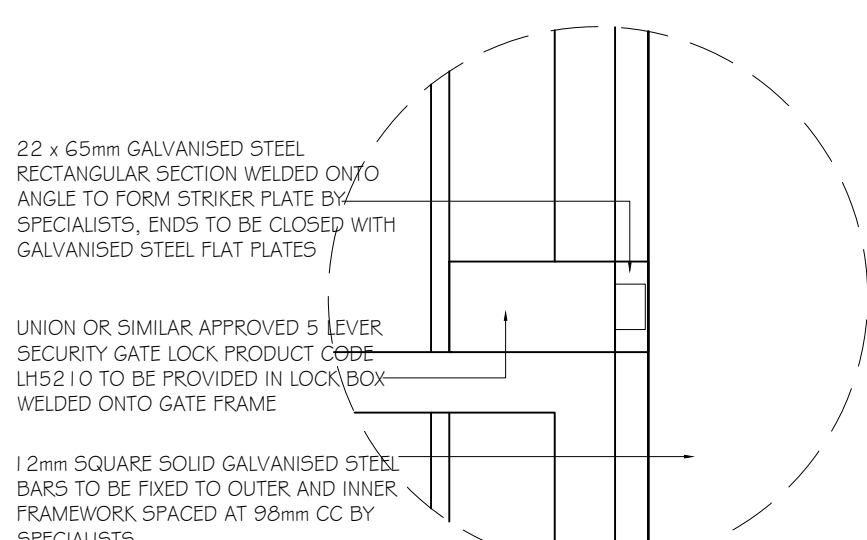
DOOR SCHEDULE				SCALE : 1 : 50
				
DOOR TYPE	D 1	D 2	D 3	
QUANTITY	02	02	12	
LOCATION	ABLUTION ENTRANCE	PARAPLEGIC WC	WC CUBICLES	
FRAME	86mm x 42mm REBATED SOLID MERANTI TIMBER FRAME DOOR SECTIONS TO SUIT 813 X 2032mm DOOR SIZE HARDWOOD QUADRANT TO BE PROVIDED TO BOTH SIDES	86mm x 53mm REBATED SOLID MERANTI TIMBER FRAME DOOR SECTIONS TO SUIT 920 X 2032mm DOOR SIZE HARDWOOD QUADRANT TO BE PROVIDED TO BOTH SIDES	86mm x 53mm REBATED SOLID MERANTI TIMBER DOOR FRAME SECTIONS TO SUIT 813 X 2032mm DOOR SIZE HARDWOOD QUADRANT TO BE PROVIDED TO BOTH SIDES	
DOOR	SOLID HARDWOOD HORIZONTAL ROUTED MERANTI DOOR BY SPECIALISTS. DOOR SIZE: 813mm x 2,032mm x 44mm	SEMI - SOLID HARDWOOD HORIZONTAL ROUTED MERANTI DOOR BY SPECIALISTS. DOOR SIZE: 920mm x 2,032mm x 44mm	SEMI - SOLID HARDWOOD HORIZONTAL ROUTED MERANTI DOOR BY SPECIALISTS. DOOR SIZE: 813mm x 2,032mm x 44mm	
FINISH	CAREFULLY CLEAN AND PREPARE ALL SURFACES, FINE SANDING AND ROUNDING OFF SHARP EDGES AS NECESSARY. REMOVE ALL PARTICLES AND WIPE THE SURFACE CLEAN OF DUST. 3 X COATS OF "KANSAI PLASCON" OR SIMILAR APPROVED SUEDE EXTERIOR SUNPROOF VARNISH TO BE PROVIDED TO DOOR AS PER MANUFACTURER'S SPECIFICATIONS. LIGHT SAND PAPER BETWEEN COATS WITH 240 GRITS SANDPAPER AND ALLOW 24 HOURS FOR DRYING IN-BETWEEN EACH LAYERS. COMPLETE APPLICATION TO "TIMBERCARE" INSTRUCTIONS. NB: REMOVE ANY DUST BEFORE RECOATING.	CAREFULLY CLEAN AND PREPARE ALL SURFACES, FINE SANDING AND ROUNDING OFF SHARP EDGES AS NECESSARY. REMOVE ALL PARTICLES AND WIPE THE SURFACE CLEAN OF DUST. 3 X COATS OF "KANSAI PLASCON" OR SIMILAR APPROVED SUEDE EXTERIOR SUNPROOF VARNISH TO BE PROVIDED TO DOOR AS PER MANUFACTURER'S SPECIFICATIONS. LIGHT SAND PAPER BETWEEN COATS WITH 240 GRITS SANDPAPER AND ALLOW 24 HOURS FOR DRYING IN-BETWEEN EACH LAYERS. COMPLETE APPLICATION TO "TIMBERCARE" INSTRUCTIONS. NB: REMOVE ANY DUST BEFORE RECOATING.	CAREFULLY CLEAN AND PREPARE ALL SURFACES, FINE SANDING AND ROUNDING OFF SHARP EDGES AS NECESSARY. REMOVE ALL PARTICLES AND WIPE THE SURFACE CLEAN OF DUST. 3 X COATS OF "KANSAI PLASCON" OR SIMILAR APPROVED SUEDE EXTERIOR SUNPROOF VARNISH TO BE PROVIDED TO DOOR AS PER MANUFACTURER'S SPECIFICATIONS. LIGHT SAND PAPER BETWEEN COATS WITH 240 GRITS SANDPAPER AND ALLOW 24 HOURS FOR DRYING IN-BETWEEN EACH LAYERS. COMPLETE APPLICATION TO "TIMBERCARE" INSTRUCTIONS. NB: REMOVE ANY DUST BEFORE RECOATING.	
IRONMONGERY	ASSAABLOY OR SIMILAR APPROVED: DOOR CLOSER 1 of ASSA ABLOY DC200 R&P CLOSER EN 2-4 SIL LOCK 1 of UNION 2X18SCMKD DOUBLE CYLINDER PROFILE MKD SC DEADLOCK 1 of UNION L-2115-78SS Euro Cylinder Deadlock - Stainless Steel HANDLE 1 of UNION SS5096L22-05SS 22MM DIA TUBULAR SS DOVE PULL HANDLE ON 152X228MM BACK PLATE - EURO CYLINDER 1 of UNION SS5023R-05-228W 152X228MM STAINLESS STEEL PUSH PLATE RH - EURO CYLINDER SIGNAGE 1 of UNION SP5066-06SSE11 FEMALE SIGN 152X152X1.2 SS per door 1 of UNION SP5066-06SSE10 MALE SIGN 152X152X1.2 SS per door KICK PLATE 2 of UNION SS5089-150W KICK PLATE 150X800MM WORKS PUSH PLATE 1 of UNION SS5023-06-228W 152X228MM STAINLESS STEEL PUSH PLATE - BLANK DOOR STOP 1 of UNION 87001SS FLOOR DOOR STOP SATIN SS HINGES 1.5 pairs of UNION 8352-100SS201 2BB 102X76X3MM HINGE SS CE PAIRS, 4 X UNION RH7024 PATENT FIXING SCREW - NICKEL PLATED	ASSAABLOY OR SIMILAR APPROVED: INDICATOR BOLT 1 pair of UNION 37651AS PARAPLEGIC FACILITY INDICATOR BOLT AS HANDLE 2 of UNION PH5320-19-300CFSS TO BE INSTALLED HORIZONTALLY EXTERNALLY DEAD BOLT 3 pairs of UNION 8352-100SS201 2BB 102X76X3MM HINGE SS CE PAIRS SIGNAGE 1 of UNION SP5066-06SSE14 PARAPLEGIC SIGN 152X152X1.2 SS KICK PLATE 2 of UNION SS5089-150W KICK PLATE 150X800MM WORKS HINGES 1.5 pairs of UNION 8352-100SS201 2BB 102X76X3MM HINGE SS CE PAIRS DOORSTOP 1 of UNION 87001SS FLOOR DOOR STOP SATIN SS	ASSAABLOY OR SIMILAR APPROVED: ESCUTCHEON 1 pair of UNION SS5305-73SS ESCUTCHEON ON ROSE BATHROOM HANDLE 1 of SSD93-22-06 BLANK 228 X 76MM BACKPLATE PUSH PLATE 1 of SS76X228-06 BLANK 228 X 76MM PLATE DEAD BOLT 3 pairs of UNION SS2016SS BATHROOM DEADBOLT - STAINLESS STEEL HINGES 1 pair of UNION 8352-100SS201_2BB 102X76X3MM HINGE SS CE PAIRS COAT HOOK 1 of UNION SS8025SS HAT & COAT HOOK WITH BUFFER	



DETAIL A



DETAIL B



DETAIL C

GENERAL NOTES:

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- BOUNDARY BEACONS TO BE EXPOSED AND DEMARKATED
- GLASS THICKNESS TO COMPLY WITH NN2
- SAFETY GLAZING IN ACCORDANCE WITH SANS REQUIRED
- ONLY FIGURED DIMENSIONS TO BE USED ON ALL DRAWINGS

No.	BY	DATE	REVISION

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CLIENTS SIGNATURE



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BRANCH: EASTERN CAPE
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R61 MAIN ROAD
BIZANA, 4800
TEL: 039 251 0476
FAX: 086 577 7713

✉ P. O. BOX 455, PORT SHEPSTONE, 4240
e-mail: vhb@vhbassociates.co.za

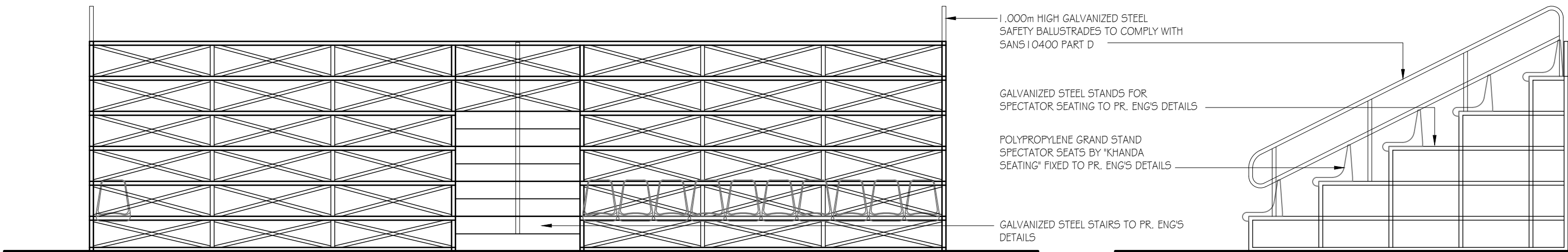
PROJECT:
PROPOSED MPHUTHUMI MAFUMBATHA
MULTI-PURPOSE CENTRE
FOR: WINNIE MADIKIZELA-MANDELA LOCAL
MUNICIPALITY
CADASTRAL DESCRIPTION:
ERF 3084 & 3077 MBIZANA

DRAWING:
SPECTATOR ABLUTION BLOCK
DOOR & WINDOW SCHEDULE
GATE DETAIL

DESIGNED	V. BRIDLGLALL	DATE	SEPTEMBER 2025
DRAWN	J. DUKE	SCALE	AS SHOWN

CHECKED	V. BRIDLGLALL	SIZE	A1
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JOB No.	SHEET No.	REV.
MLM 05	CW 04	B

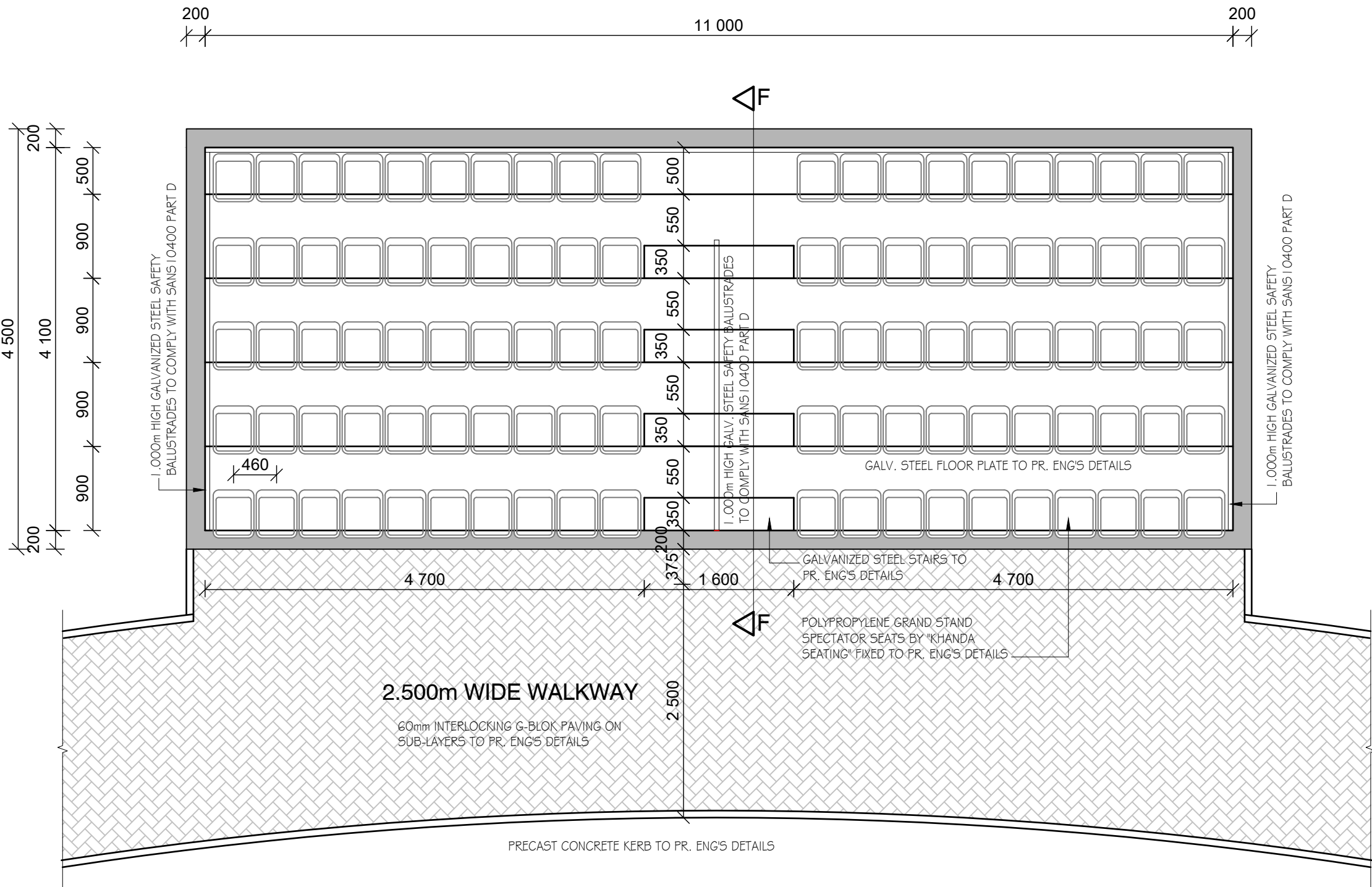


FRONT ELEVATION

SCALE : 1 : 50

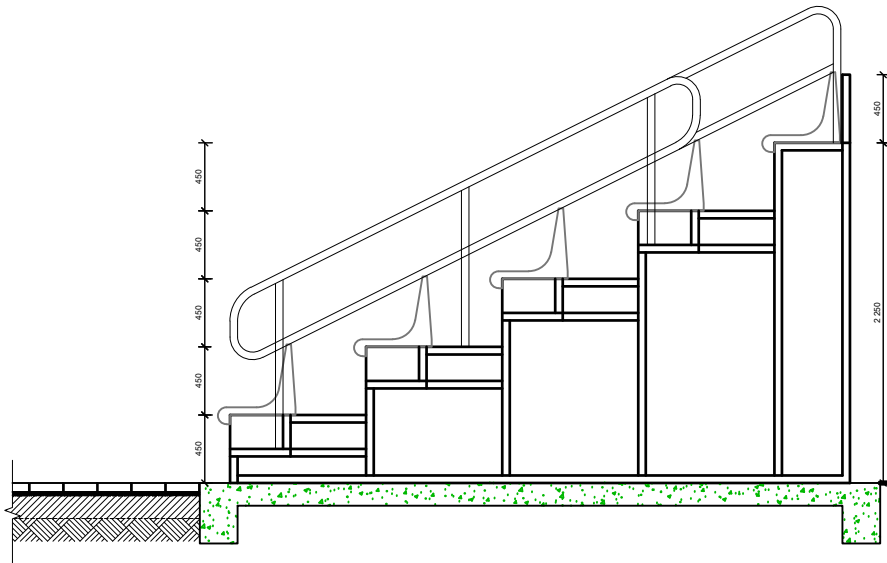
SIDE ELEVATION

SCALE : 1 : 50



FLOOR PLAN -
TYPICAL SPECTATOR SEATING

SCALE : 1 : 50



SECTION F - F

GENERAL NOTES:

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- NO VEGETATION TO BE AFFECTED ON SITE
- BOUNDARY BEACONS TO BE EXPOSED AND DEMARKATED
- GLASS THICKNESS TO COMPLY WITH NN2
- SAFETY GLAZING IN ACCORDANCE WITH NN3 REQUIRED
- ONLY FIGURED DIMENSIONS TO BE USED ON ALL DRAWINGS

No. BY DATE REVISION

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CLIENT'S SIGNATURE

vHB ASSOCIATES
ARCHITECTURE & PROJECT MANAGEMENT

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SUITE 1, BISSET HOUSE
48 BISSET STREET
PORT SHEPSTONE, 4240
TEL : 039 032 0003
MOBILE : 082 554 3427

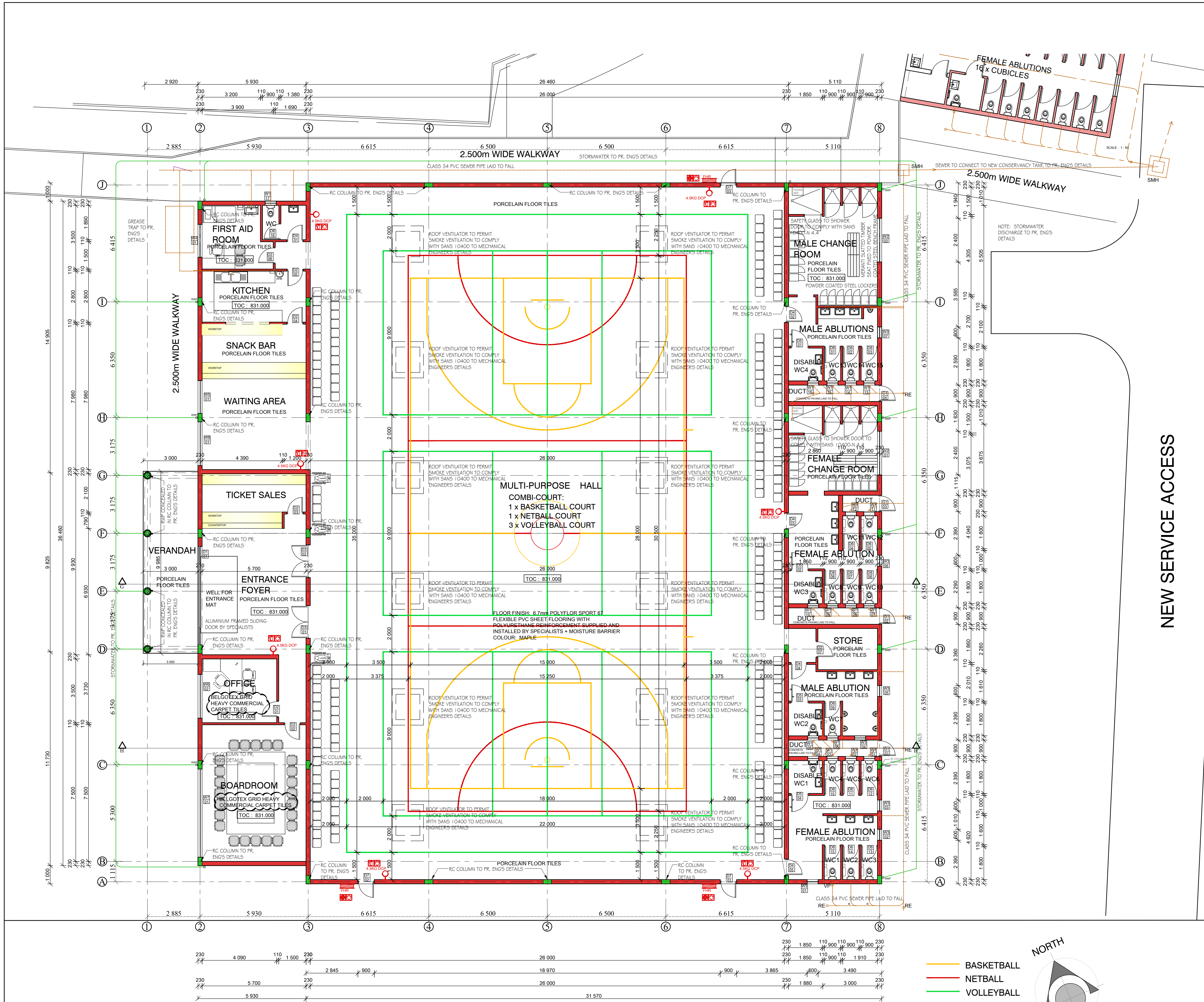
BRANCH: EASTERN CAPE
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TEL: 039 251 0476
FAX: 086 577 7713

☒ P. O. BOX 455, PORT SHEPSTONE, 4240
e-mail: vhb@vhbassociates.co.za

PROJECT:
PROPOSED MPHUTHUMI MAFUMBATHA
MULTI-PURPOSE CENTRE
FOR: WINNIE MADIKIZELA-MANDELA LOCAL
MUNICIPALITY
CADASTRAL DESCRIPTION:
ERF 3084 & 3077 MBIZANA

DRAWING:
SPECTATOR SEATING

DESIGNED	V. BRIDGLALL	DATE	JULY 2025
DRAWN	J. DUKI	SCALE	AS SHOWN
CHECKED	V. BRIDGLALL	SIZE	A2
JOB No.	MLM 05	SHEET No.	CW 05
REV.	B		



GROUND STOREY

SCALE : 1 : 100

BASKETBALL

NETBALL

VOLLEYBALL

NORTH

- GENERAL NOTES:**
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 - GLASS THICKNESS TO COMPLY WITH NN2
 - SAFETY GLAZING IN ACCORDANCE WITH SANS REQUIRED
 - ONLY FIGURED DIMENSIONS TO BE USED ON ALL DRAWINGS

C	JD	29.09.25	BOARDROOM & OFFICE FLOOR FINISH REVISED TO CARPET
No.	BY	DATE	REVISION

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CLIENT'S SIGNATURE

vhb ASSOCIATES

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MOBILE : 082 554 3427

BRANCH: EASTERN CAPE
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TEL: 039 251 0476
FAX: 086 577 7713

☐ P. O. BOX 455, PORT SHEPSTONE, 4240
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PROJECT:
PROPOSED MPHUTHUMI MAFUMBATHA
MULTI-PURPOSE CENTRE
FOR: WINNIE MADIKIZELA-MANDELA LOCAL
MUNICIPALITY
CADASTRAL DESCRIPTION:
ERF 3084 & 3077 MBIZANA

DRAWING:
MULTI-PURPOSE HALL
FLOOR PLAN

DESIGNED	V. BRIDGLALL	DATE	JUNE 2025
DRAWN	J. DUKE	SCALE	AS SHOWN
CHECKED	V. BRIDGLALL	SIZE	A1
JOB No.	MLM 05	SHEET No.	CW 06
		REV.	C

SECTION H - H SCALE: 1:50

SCALE : 1 : 50

NORTH EAST ELEVATION

SCALE - 1 : 100

SOUTH EAST ELEVATION

SCALE - 1 : 100

SOUTH WEST ELEVATION

SCALE : 1 : 100

NORTH WEST ELEVATION

SCALE : 1 : 100

SECTION G - G

SCALE - 1 - 50

- ### GENERAL NOTES:
- NO CONSTRUCTION WORK SHALL COMMENCE ON SITE PRIOR TO APPROVAL OF ARCHITECTURAL PLANS FROM THE LOCAL MUNICIPALITY
 - ALL WORK TO COMPLY WITH SANS 10400
 - LEVELS AND DIMENSIONS TO BE CHECKED ON SITE PRIOR TO COMMENCEMENT OF ANY WORK.
 - ALL DISCREPANCIES TO BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE AUTHOR.
 - ALL PLUMBING BY REGISTERED CONTRACTOR.
 - ALL ELECTRICAL BY REGISTERED CONTRACTOR.
 - ON EXCAVATION IT SHALL BE KEPT TO COVER EXTENSIVE CLAY, EXCESSIVE GROUND WATER AND OTHER POOR SOIL CONDITIONS THEN ALL FOUNDATIONS ARE TO BE BUILT TO PROFESSIONAL STANDARDS AND SHALL BE APPROVED BY THE AUTHOR.
 - FACE BENCH PUNKR UP 1,000mm WIDE CONCRETE APRON TO BE PROVIDED AROUND BUILDING
 - NO VEGETATION TO BE REMOVED ON SITE
 - BOUNDARY OF BEACONS TO BE EXPOSED AND DEMARKED
 - GASES THICKNESS TO COMPLY WITH NN2
 - SAFETY GLAZING IN ACCORDANCE WITH NN3 REQUIRED
 - PROVIDE 100mm MIN. THICKNESS TO ALL WALL DRAWINGS

[illegible]

PROJECT:
PROPOSED MPHUTHUMI MAFUMBATHA
MULTI-PURPOSE CENTRE
FOR: WINNIE MADIKIZELA-MANDELA LOCAL
MUNICIPALITY
CADASTRAL DESCRIPTION:
ERF 3084 & 3077 MRIZANA

DRAWING:
MULTI-PURPOSE HALL -
SECTION & ELEVATIONS

DESIGNED	V. BRIDGLALL	DATE	JULY 2025
DRAWN	J. DUKI	SCALE	AS SHOWN
CHECKED	V. BRIDGLALL		
JOB No.		SHEET No.	
MLM 05		CW 07	

WINDOW SCHEDULE				SCALE : 1 : 50				
WINDOW TYPE	W1	W2	W3	W4	W5	W6	W7	W8
QUANTITY	17	02	07	01	01	02	01	40
WINDOW DESCRIPTION	EXTRUDED ALUMINIUM FRAMED WINDOW SECTIONS SHALL BE FABRICATED FROM ALLOY 6063 OR 6061 IN TEMPER T5 OR T6 ALL IN ACCORDANCE WITH THE LATEST EDITION OF BS EN 755 VENTILATORS TO BE PIVOT HUNG OUTWARD OPENING ON STAINLESS STEEL FRICTION HINGES.	EXTRUDED ALUMINIUM FRAMED WINDOW SECTIONS SHALL BE FABRICATED FROM ALLOY 6063 OR 6061 IN TEMPER T5 OR T6 ALL IN ACCORDANCE WITH THE LATEST EDITION OF BS EN 755 VENTILATORS TO BE PIVOT HUNG OUTWARD OPENING ON STAINLESS STEEL FRICTION HINGES.	EXTRUDED ALUMINIUM FRAMED WINDOW SECTIONS SHALL BE FABRICATED FROM ALLOY 6063 OR 6061 IN TEMPER T5 OR T6 ALL IN ACCORDANCE WITH THE LATEST EDITION OF BS EN 755 VENTILATORS TO BE PIVOT HUNG OUTWARD OPENING ON STAINLESS STEEL FRICTION HINGES.	EXTRUDED ALUMINIUM FRAMED WINDOW SECTIONS SHALL BE FABRICATED FROM ALLOY 6063 OR 6061 IN TEMPER T5 OR T6 ALL IN ACCORDANCE WITH THE LATEST EDITION OF BS EN 755 VENTILATORS TO BE PIVOT HUNG OUTWARD OPENING ON STAINLESS STEEL FRICTION HINGES.	EXTRUDED ALUMINIUM FRAMED FIXED WINDOW SECTIONS SHALL BE FABRICATED FROM ALLOY 6063 OR 6061 IN TEMPER T5 OR T6 ALL IN ACCORDANCE WITH THE LATEST EDITION OF BS EN 755	EXTRUDED ALUMINIUM FRAMED FIXED WINDOW SECTIONS SHALL BE FABRICATED FROM ALLOY 6063 OR 6061 IN TEMPER T5 OR T6 ALL IN ACCORDANCE WITH THE LATEST EDITION OF BS EN 755	EXTRUDED ALUMINIUM FRAMED FIXED WINDOW SECTIONS SHALL BE FABRICATED FROM ALLOY 6063 OR 6061 IN TEMPER T5 OR T6 ALL IN ACCORDANCE WITH THE LATEST EDITION OF BS EN 755	EXTRUDED ALUMINIUM FRAMED FIXED WINDOW SECTIONS SHALL BE FABRICATED FROM ALLOY 6063 OR 6061 IN TEMPER T5 OR T6 ALL IN ACCORDANCE WITH THE LATEST EDITION OF BS EN 755
GLAZING	6.38mm NORMAL STRENGTH SAND-BLASTED LAMINATED SAFETY GLASS TO COMPLY WITH SANS 1263 PART 1 & 2 WITH NAME OF THE MANUFACTURER PERMANENTLY MARKED ON EACH PANE VISIBLE AFTER GLAZING, IN ACCORDANCE WITH SANS 10400 PART N SCHEDULE 1 AND SANS 10137:2002	6.38mm NORMAL STRENGTH SAND-BLASTED LAMINATED SAFETY GLASS TO COMPLY WITH SANS 1263 PART 1 & 2 WITH NAME OF THE MANUFACTURER PERMANENTLY MARKED ON EACH PANE VISIBLE AFTER GLAZING, IN ACCORDANCE WITH SANS 10400 PART N SCHEDULE 1 AND SANS 10137:2002	6.38mm NORMAL STRENGTH SAND-BLASTED LAMINATED SAFETY GLASS TO COMPLY WITH SANS 1263 PART 1 & 2 WITH NAME OF THE MANUFACTURER PERMANENTLY MARKED ON EACH PANE VISIBLE AFTER GLAZING, IN ACCORDANCE WITH SANS 10400 PART N SCHEDULE 1 AND SANS 10137:2002	6.38mm NORMAL STRENGTH SAND-BLASTED LAMINATED SAFETY GLASS TO COMPLY WITH SANS 1263 PART 1 & 2 WITH NAME OF THE MANUFACTURER PERMANENTLY MARKED ON EACH PANE VISIBLE AFTER GLAZING, IN ACCORDANCE WITH SANS 10400 PART N SCHEDULE 1 AND SANS 10137:2002	6.38mm NORMAL STRENGTH CLEAR SAFETY GLASS TO COMPLY WITH SANS 1263 PART 1 & 2 WITH NAME OF THE MANUFACTURER PERMANENTLY MARKED ON EACH PANE VISIBLE AFTER GLAZING, IN ACCORDANCE WITH SANS 10400 PART N SCHEDULE 1 AND SANS 10137:2002	6.38mm NORMAL STRENGTH CLEAR SAFETY GLASS TO COMPLY WITH SANS 1263 PART 1 & 2 WITH NAME OF THE MANUFACTURER PERMANENTLY MARKED ON EACH PANE VISIBLE AFTER GLAZING, IN ACCORDANCE WITH SANS 10400 PART N SCHEDULE 1 AND SANS 10137:2002	6.38mm NORMAL STRENGTH CLEAR SAFETY GLASS TO COMPLY WITH SANS 1263 PART 1 & 2 WITH NAME OF THE MANUFACTURER PERMANENTLY MARKED ON EACH PANE VISIBLE AFTER GLAZING, IN ACCORDANCE WITH SANS 10400 PART N SCHEDULE 1 AND SANS 10137:2002	6.38mm NORMAL STRENGTH CLEAR SAFETY GLASS TO COMPLY WITH SANS 1263 PART 1 & 2 WITH NAME OF THE MANUFACTURER PERMANENTLY MARKED ON EACH PANE VISIBLE AFTER GLAZING, IN ACCORDANCE WITH SANS 10400 PART N SCHEDULE 1 AND SANS 10137:2002
IRONMONGERY	305 STAINLESS STEEL FRICTION HINGES TO VENTILATORS WEDGELESS HANDLES BY "WISPECO"	305 STAINLESS STEEL FRICTION HINGES TO VENTILATORS WEDGELESS HANDLES BY "WISPECO"	305 STAINLESS STEEL FRICTION HINGES TO VENTILATORS WEDGELESS HANDLES BY "WISPECO"	305 STAINLESS STEEL FRICTION HINGES TO VENTILATORS WEDGELESS HANDLES BY "WISPECO"	N/A	N/A	N/A	N/A
WINDOW FINISH	POWDER COATING: INTERPON D1025, SANS 1796 COMPLIANT, QUALICOAT CLASS 1 COMPLIANT POWDER (60 - 80µ), APPLIED BY INTERPON APPROVED APPLICATOR IN STRICT ACCORDANCE WITH SANS 1576. SUPPLY 15 YEAR PROJECT WARRANTY CERTIFICATE - COLOUR: MATT CHARCOAL. ALL ALUMINIUM SHALL BE PRE-TREATED IN ACCORDANCE WITH SANS 1796 SO AS TO ENSURE EXCELLENT ADHERENCE PROPERTIES.	POWDER COATING: INTERPON D1025, SANS 1796 COMPLIANT, QUALICOAT CLASS 1 COMPLIANT POWDER (60 - 80µ), APPLIED BY INTERPON APPROVED APPLICATOR IN STRICT ACCORDANCE WITH SANS 1576. SUPPLY 15 YEAR PROJECT WARRANTY CERTIFICATE - COLOUR: MATT CHARCOAL. ALL ALUMINIUM SHALL BE PRE-TREATED IN ACCORDANCE WITH SANS 1796 SO AS TO ENSURE EXCELLENT ADHERENCE PROPERTIES.	POWDER COATING: INTERPON D1025, SANS 1796 COMPLIANT, QUALICOAT CLASS 1 COMPLIANT POWDER (60 - 80µ), APPLIED BY INTERPON APPROVED APPLICATOR IN STRICT ACCORDANCE WITH SANS 1576. SUPPLY 15 YEAR PROJECT WARRANTY CERTIFICATE - COLOUR: MATT CHARCOAL. ALL ALUMINIUM SHALL BE PRE-TREATED IN ACCORDANCE WITH SANS 1796 SO AS TO ENSURE EXCELLENT ADHERENCE PROPERTIES.	POWDER COATING: INTERPON D1025, SANS 1796 COMPLIANT, QUALICOAT CLASS 1 COMPLIANT POWDER (60 - 80µ), APPLIED BY INTERPON APPROVED APPLICATOR IN STRICT ACCORDANCE WITH SANS 1576. SUPPLY 15 YEAR PROJECT WARRANTY CERTIFICATE - COLOUR: MATT CHARCOAL. ALL ALUMINIUM SHALL BE PRE-TREATED IN ACCORDANCE WITH SANS 1796 SO AS TO ENSURE EXCELLENT ADHERENCE PROPERTIES.	POWDER COATING: INTERPON D1025, SANS 1796 COMPLIANT, QUALICOAT CLASS 1 COMPLIANT POWDER (60 - 80µ), APPLIED BY INTERPON APPROVED APPLICATOR IN STRICT ACCORDANCE WITH SANS 1576. SUPPLY 15 YEAR PROJECT WARRANTY CERTIFICATE - COLOUR: MATT CHARCOAL. ALL ALUMINIUM SHALL BE PRE-TREATED IN ACCORDANCE WITH SANS 1796 SO AS TO ENSURE EXCELLENT ADHERENCE PROPERTIES.	POWDER COATING: INTERPON D1025, SANS 1796 COMPLIANT, QUALICOAT CLASS 1 COMPLIANT POWDER (60 - 80µ), APPLIED BY INTERPON APPROVED APPLICATOR IN STRICT ACCORDANCE WITH SANS 1576. SUPPLY 15 YEAR PROJECT WARRANTY CERTIFICATE - COLOUR: MATT CHARCOAL. ALL ALUMINIUM SHALL BE PRE-TREATED IN ACCORDANCE WITH SANS 1796 SO AS TO ENSURE EXCELLENT ADHERENCE PROPERTIES.	POWDER COATING: INTERPON D1025, SANS 1796 COMPLIANT, QUALICOAT CLASS 1 COMPLIANT POWDER (60 - 80µ), APPLIED BY INTERPON APPROVED APPLICATOR IN STRICT ACCORDANCE WITH SANS 1576. SUPPLY 15 YEAR PROJECT WARRANTY CERTIFICATE - COLOUR: MATT CHARCOAL. ALL ALUMINIUM SHALL BE PRE-TREATED IN ACCORDANCE WITH SANS 1796 SO AS TO ENSURE EXCELLENT ADHERENCE PROPERTIES.	POWDER COATING: INTERPON D1025, SANS 1796 COMPLIANT, QUALICOAT CLASS 1 COMPLIANT POWDER (60 - 80µ), APPLIED BY INTERPON APPROVED APPLICATOR IN STRICT ACCORDANCE WITH SANS 1576. SUPPLY 15 YEAR PROJECT WARRANTY CERTIFICATE - COLOUR: MATT CHARCOAL. ALL ALUMINIUM SHALL BE PRE-TREATED IN ACCORDANCE WITH SANS 1796 SO AS TO ENSURE EXCELLENT ADHERENCE PROPERTIES.

DOOR SCHEDULE							
SCALE : 1 : 50							
DOOR TYPE	D 1	D 2	D 3	D 4	D 5	D 6	D 7
QUANTITY	01	07	02	05	04	16	03
LOCATION	ENTRANCE	OFFICES, KITCHEN, FIRST AID, STORE	ENTRANCE FOYER	ABLUTION ENTRANCE	PARAPLEGIC WC	WC CUBICLES	FIRE ESCAPE
FRAME	EXTRUDED ALUMINIUM SLIDING DOOR FRAME SECTIONS SHALL BE FABRICATED FROM ALLOY 6063 OR 6061 IN TEMPER T5 OR T6 ALL IN ACCORDANCE WITH THE LATEST EDITION OF BS EN 755	86mm x 53mm REBATED SOLID MERANTI TIMBER FRAME DOOR SECTIONS TO SUIT 920 X 2032 DOOR SIZE. HARDWOOD QUADRANT TO BE PROVIDED TO BOTH SIDES	86mm x 53mm REBATED SOLID MERANTI TIMBER FRAME DOOR SECTIONS TO SUIT DOUBLE DOOR SIZE. HARDWOOD QUADRANT TO BE PROVIDED TO BOTH SIDES	86mm x 42mm REBATED SOLID MERANTI TIMBER FRAME DOOR SECTIONS TO SUIT 813 X 2032 DOOR SIZE. HARDWOOD QUADRANT TO BE PROVIDED TO BOTH SIDES	86mm x 53mm REBATED SOLID MERANTI TIMBER FRAME DOOR SECTIONS TO SUIT 920 X 2032 DOOR SIZE. HARDWOOD QUADRANT TO BE PROVIDED TO BOTH SIDES	86mm x 53mm REBATED SOLID MERANTI TIMBER DOOR FRAME SECTIONS TO SUIT 900 OPENING SIZE. HARDWOOD QUADRANT TO BE PROVIDED TO BOTH SIDES	86mm x 53mm REBATED SOLID MERANTI TIMBER DOOR FRAME SECTIONS. HARDWOOD QUADRANT TO BE PROVIDED TO BOTH SIDES
DOOR	EXTRUDED ALUMINIUM FRAMED SLIDING DOOR SECTIONS & KICKPLATE BY SPECIALISTS 6.38mm NORMAL STRENGTH CLEAR LAMINATED SAFETY GLASS TO COMPLY WITH SANS 1263 PART 1 & 2 WITH NAME OF THE MANUFACTURER PERMANENTLY MARKED ON EACH PANE VISIBLE AFTER GLAZING, IN ACCORDANCE WITH SANS 10400 PART N SCHEDULE 1 AND SANS 10137:2002. ALL GLAZING TO BE COMPLETED WITH 45° GLAZING BEADS.	SEMI-SOLID HARDWOOD HORIZONTAL ROUTED MERANTI DOOR BY SPECIALISTS. DOOR SIZE: 813mm x 2,032mm x 44mm	SOLID HARDWOOD HORIZONTAL ROUTED MERANTI DOOR BY SPECIALISTS WITH REBATED MEETING STILES. DOOR SIZE: 813mm x 2,032mm x 44mm	SOLID HARDWOOD HORIZONTAL ROUTED MERANTI DOOR BY SPECIALISTS. DOOR SIZE: 813mm x 2,032mm x 44mm	SEMI - SOLID HARDWOOD HORIZONTAL ROUTED MERANTI DOOR BY SPECIALISTS. DOOR SIZE: 920mm x 2,032mm x 44mm	SEMI - SOLID HARDWOOD HORIZONTAL ROUTED MERANTI DOOR BY SPECIALISTS. DOOR SIZE: 813mm x 2,032mm x 44mm	KILN DRIED HORIZONTAL SLATED 120 MINUTE FIRE DOOR 813mm x 2,032mm x 44mm SUPPLIED PRE-HUNG IN MILD STEEL DOOR FRAME WITH STAINLESS STEEL HINGES
FINISH	POWDER COATING: INTERPON D1025, SANS 1796 COMPLIANT, POLYESTER GLASS 1 POWDER (60 - 80µ THICK), APPLIED BY QUALICOAT COMPLIANT APPLICATOR IN STRICT ACCORDANCE WITH SANS 1576. SUPPLY 15 YEAR PROJECT WARRANTY - COLOUR: BLACK. ALL ALUMINIUM SHALL BE PRE-TREATED IN ACCORDANCE WITH SANS 1796 SO AS TO ENSURE EXCELLENT ADHERENCE PROPERTIES.	CAREFULLY CLEAN AND PREPARE ALL SURFACES, FINE SANDING AND ROUNDING OFF SHARP EDGES AS NECESSARY. REMOVE ALL PARTICLES AND WIPE THE SURFACE CLEAN OF DUST. 3 X COATS OF "KANSAI PLASCON" OR SIMILAR APPROVED SUEDE EXTERIOR SUNPROOF VARNISH TO BE PROVIDED TO DOOR AS PER MANUFACTURER'S SPECIFICATIONS. LIGHT SAND PAPER BETWEEN COATS WITH 240 GRITS SANDPAPER AND ALLOW 24 HOURS FOR DRYING IN-BETWEEN EACH LAYERS. COMPLETE APPLICATION TO "TIMBERCARE" INSTRUCTIONS. NB: REMOVE ANY DUST BEFORE RECOATING.	CAREFULLY CLEAN AND PREPARE ALL SURFACES, FINE SANDING AND ROUNDING OFF SHARP EDGES AS NECESSARY. REMOVE ALL PARTICLES AND WIPE THE SURFACE CLEAN OF DUST. 3 X COATS OF "KANSAI PLASCON" OR SIMILAR APPROVED SUEDE EXTERIOR SUNPROOF VARNISH TO BE PROVIDED TO DOOR AS PER MANUFACTURER'S SPECIFICATIONS. LIGHT SAND PAPER BETWEEN COATS WITH 240 GRITS SANDPAPER AND ALLOW 24 HOURS FOR DRYING IN-BETWEEN EACH LAYERS. COMPLETE APPLICATION TO "TIMBERCARE" INSTRUCTIONS. NB: REMOVE ANY DUST BEFORE RECOATING.	CAREFULLY CLEAN AND PREPARE ALL SURFACES, FINE SANDING AND ROUNDING OFF SHARP EDGES AS NECESSARY. REMOVE ALL PARTICLES AND WIPE THE SURFACE CLEAN OF DUST. 3 X COATS OF "KANSAI PLASCON" OR SIMILAR APPROVED SUEDE EXTERIOR SUNPROOF VARNISH TO BE PROVIDED TO DOOR AS PER MANUFACTURER'S SPECIFICATIONS. LIGHT SAND PAPER BETWEEN COATS WITH 240 GRITS SANDPAPER AND ALLOW 24 HOURS FOR DRYING IN-BETWEEN EACH LAYERS. COMPLETE APPLICATION TO "TIMBERCARE" INSTRUCTIONS. NB: REMOVE ANY DUST BEFORE RECOATING.	CAREFULLY CLEAN AND PREPARE ALL SURFACES, FINE SANDING AND ROUNDING OFF SHARP EDGES AS NECESSARY. REMOVE ALL PARTICLES AND WIPE THE SURFACE CLEAN OF DUST. 3 X COATS OF "KANSAI PLASCON" OR SIMILAR APPROVED SUEDE EXTERIOR SUNPROOF VARNISH TO BE PROVIDED TO DOOR AS PER MANUFACTURER'S SPECIFICATIONS. LIGHT SAND PAPER BETWEEN COATS WITH 240 GRITS SANDPAPER AND ALLOW 24 HOURS FOR DRYING IN-BETWEEN EACH LAYERS. COMPLETE APPLICATION TO "TIMBERCARE" INSTRUCTIONS. NB: REMOVE ANY DUST BEFORE RECOATING.	CAREFULLY CLEAN AND PREPARE ALL SURFACES, FINE SANDING AND ROUNDING OFF SHARP EDGES AS NECESSARY. REMOVE ALL PARTICLES AND WIPE THE SURFACE CLEAN OF DUST. 3 X COATS OF "KANSAI PLASCON" OR SIMILAR APPROVED SUEDE EXTERIOR SUNPROOF VARNISH TO BE PROVIDED TO DOOR AS PER MANUFACTURER'S SPECIFICATIONS. LIGHT SAND PAPER BETWEEN COATS WITH 240 GRITS SANDPAPER AND ALLOW 24 HOURS FOR DRYING IN-BETWEEN EACH LAYERS. COMPLETE APPLICATION TO "TIMBERCARE" INSTRUCTIONS. NB: REMOVE ANY DUST BEFORE RECOATING.	CAREFULLY CLEAN AND PREPARE ALL SURFACES, FINE SANDING AND ROUNDING OFF SHARP EDGES AS NECESSARY. REMOVE ALL PARTICLES AND WIPE THE SURFACE CLEAN OF DUST. 3 X COATS OF "KANSAI PLASCON" OR SIMILAR APPROVED SUEDE EXTERIOR SUNPROOF VARNISH TO BE PROVIDED TO DOOR AS PER MANUFACTURER'S SPECIFICATIONS. LIGHT SAND PAPER BETWEEN COATS WITH 240 GRITS SANDPAPER AND ALLOW 24 HOURS FOR DRYING IN-BETWEEN EACH LAYERS. COMPLETE APPLICATION TO "TIMBERCARE" INSTRUCTIONS. NB: REMOVE ANY DUST BEFORE RECOATING.
IRONMONGERY	ASSAABLOY OR SIMILAR APPROVED: TRACK 2x262mm ALUMINIUM EXTRUSION TRACK TRACK LENGTH TO SUIT 2100mm WIDE DOUBLE SLIDING DOOR WITH WHEELS NYLON WHEELS TRACK FIXING BRACKETS TO BE USED FOR FACE MOUNTING OR TRACK TO BE DRILLED FOR SOFFIT MOUNTING (MOUNTING SYSTEM TO BE DONE BY SPECIALIST) FASCIA ALUMINIUM FASCIA TO BE AS PER CHOSEN MOUNTING SYSTEM BY SPECIALIST HANGERS ALUMINIUM CONCEALED HANGERS TO BE USED AS PER SPECIALIST SPEC CHANNEL 20x21mm ALUMINIUM CHANNEL TO SPECIALIST SPEC TO BE LUGGED INTO CONCRETE FLOOR WITH A FLUSH FINISH ELECTRONIC DOOR OPERATOR ASSA ABLOY SL 550-2 150mm HIGH x 123mm DEEP OR SIMILAR TO BE DONE BY SPECIALIST, POWER SUPPLY MAXIMUM 250W.	ASSAABLOY OR SIMILAR APPROVED: LOCK 1 of UNION 2X185CMKD DOUBLE CYLINDER PROFILE MKD SC ESCUTCHEON 1 pair of UNION SS5305-06SS ESCUTCHEON ON ROSE PROFILE (PAIRS) HANDLE 1 pair of UNION 6109-06SS SS SANDPIPER LEVER HANDLE ON ROSE 19MM DEAD BOLT 1 of UNION L 2215-78SS/SL UNION E/P CYLINDER UPRIGHT LOCK HINGES 1.5 pairs of UNION 8352-100SS201 2BB 102X76X3MM HINGE SS CE PAIRS, 4 X UNION RH7024 PATENT FIXING SCREW - NICKEL PLATED	ASSAABLOY OR SIMILAR APPROVED: LOCK 1 of UNION 2X185CMKD DOUBLE CYLINDER PROFILE MKD SC ESCUTCHEON 1 pair of UNION SS5305-06SS ESCUTCHEON ON ROSE PROFILE (PAIRS) HANDLE 1 pair of UNION 6109-06SS SS SANDPIPER LEVER HANDLE ON ROSE 19MM DEAD BOLT 1 of UNION L 2215-78SS/SL UNION E/P CYLINDER UPRIGHT LOCK HINGES 1.5 pairs of UNION 8352-100SS201 2BB 102X76X3MM HINGE SS CE PAIRS, 4 X UNION RH7024 PATENT FIXING SCREW - NICKEL PLATED	ASSAABLOY OR SIMILAR APPROVED: DOOR CLOSER 1 of ASSA ABLOY DC200 R&P CLOSER EN 2-4 SIL LOCK 1 of UNION 2X185CMKD DOUBLE CYLINDER PROFILE MKD SC DEADLOCK 1 of UNION L 2115-78SS Euro Cylinder Deadlock - Stainless Steel HANDLE 1 of UNION SS5096L 22-06SS 22MM DIA TUBULAR SS DOVE PULL HANDLE ON 152X228MM BACK PLATE - EURO CYLINDER HINGES 1 of UNION SS5023R-05-22BW 152X228MM STAINLESS STEEL PUSH PLATE RH - EURO CYLINDER SIGNAGE 1 of UNION SP5066-06SSE11 FEMALE SIGN 152X152X1.2 SS per door KICK PLATE 2 of UNION SS5089-150W KICK PLATE 150X800MM WORKS PUSH PLATE - BLANK DOOR STOP 1 of UNION 87001SS FLOOR DOOR STOP SATIN SS HINGES 1.5 pairs of UNION 8352-100SS201 2BB 102X76X3MM HINGE SS CE PAIRS, 4 X UNION RH7024 PATENT FIXING SCREW - NICKEL PLATED	ASSAABLOY OR SIMILAR APPROVED: DOOR CLOSER 1 of ASSA ABLOY DC200 R&P CLOSER EN 2-4 SIL LOCK 1 of UNION 2X185CMKD DOUBLE CYLINDER PROFILE MKD SC DEADLOCK 1 of UNION L 2115-78SS Euro Cylinder Deadlock - Stainless Steel HANDLE 1 of UNION SS5096L 22-06SS 22MM DIA TUBULAR SS DOVE PULL HANDLE ON 152X228MM BACK PLATE - EURO CYLINDER HINGES 1 of UNION SS5023R-05-22BW 152X228MM STAINLESS STEEL PUSH PLATE RH - EURO CYLINDER SIGNAGE 1 of UNION SP5066-06SSE11 FEMALE SIGN 152X152X1.2 SS per door KICK PLATE 2 of UNION SS5089-150W KICK PLATE 150X800MM WORKS PUSH PLATE - BLANK DOOR STOP 1 of UNION 87001SS FLOOR DOOR STOP SATIN SS HINGES 1.5 pairs of UNION 8352-100SS201 2BB 102X76X3MM HINGE SS CE PAIRS, 4 X UNION RH7024 PATENT FIXING SCREW - NICKEL PLATED	ASSAABLOY OR SIMILAR APPROVED: ESCUTCHEON 1 pair of UNION SS5305-73SS ESCUTCHEON ON ROSE BATHROOM HANDLE 1 of UNION PH5320-19-300CFSS TO BE INSTALLED HORIZONTALLY EXTERNALLY DEAD BOLT 3 pairs of UNION 8352-100SS201 2BB 102X76X3MM HINGE SS CE PAIRS SIGNAGE 1 of UNION SP5066-06SSE14 PARAPLEGIC SIGN 152X152X1.2 SS KICKPLATE 2 of UNION SS5089-150W KICK PLATE 150X800MM WORKS PUSH PLATE - BLANK DOOR STOP 1 of UNION 87001SS FLOOR DOOR STOP SATIN SS HINGES 1.5 pairs of UNION 8352-100SS201 2BB 102X76X3MM HINGE SS CE PAIRS, 4 X UNION RH7024 PATENT FIXING SCREW - NICKEL PLATED	ASSAABLOY OR SIMILAR APPROVED: DOOR CLOSER 1 of ASSA ABLOY DC201-40 STRAIGHT MOUNTING PLATE FOR ASSA ABLOY DOOR CLOSERS, 1 of ASSA ABLOY DC200 R&P CLOSER EN 2-4 SIL PANIC BOLT 1 of UNION J-882-SIL SINGLE PANIC BOLT PUSH BAR 900MM HINGES BY DOOR MANUFACTURER - 3 PAIRS PER DOOR

- GENERAL NOTES:**
- NO CONSTRUCTION WORK SHALL COMMENCE ON SITE PRIOR TO APPROVAL OF ARCHITECTURAL PLANS FROM THE LOCAL MUNICIPALITY
 - ALL WORK TO COMPLY WITH SANS 10400
 - ALL LEVELS AND DIMENSIONS TO BE CHECKED ON SITE PRIOR TO COMMENCEMENT OF ANY WORK
 - ALL DISCREPANCIES TO BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE AUTHOR
 - ALL PLUMBING BY REGISTERED CONTRACTOR
 - ALL ELECTRICAL BY REGISTERED CONTRACTOR
 - IF ON EXCAVATION IT IS FOUND TO CONTAIN EXPANSIVE CLAY, EXCESSIVE GROUND WATER OR OTHER POOR SOIL CONDITIONS, THEN ALL FOUNDATIONS ARE TO BE BUILT TO PROFESSIONAL ENGINEERS DETAILS AND UNDER HIS SUPERVISION
 - FACE-BRICK PLINTH OR 1,000mm WIDE CONCRETE APRON TO BE PROVIDED AROUND BUILDING
 - NO VEGETATION TO BE AFFECTED ON SITE
 - BOUNDARY BEACONS TO BE EXPOSED AND DEMARKED
 - GLASS THICKNESS TO COMPLY WITH NN2
 - SAFETY GLAZING IN ACCORDANCE WITH SANS REQUIRED
 - ONLY FIGURED DIMENSIONS TO BE USED ON ALL DRAWINGS

No.	BY	DATE	REVISION

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CLIENTS SIGNATURE

ARCHITECTURE & PROJECT MANAGEMENT

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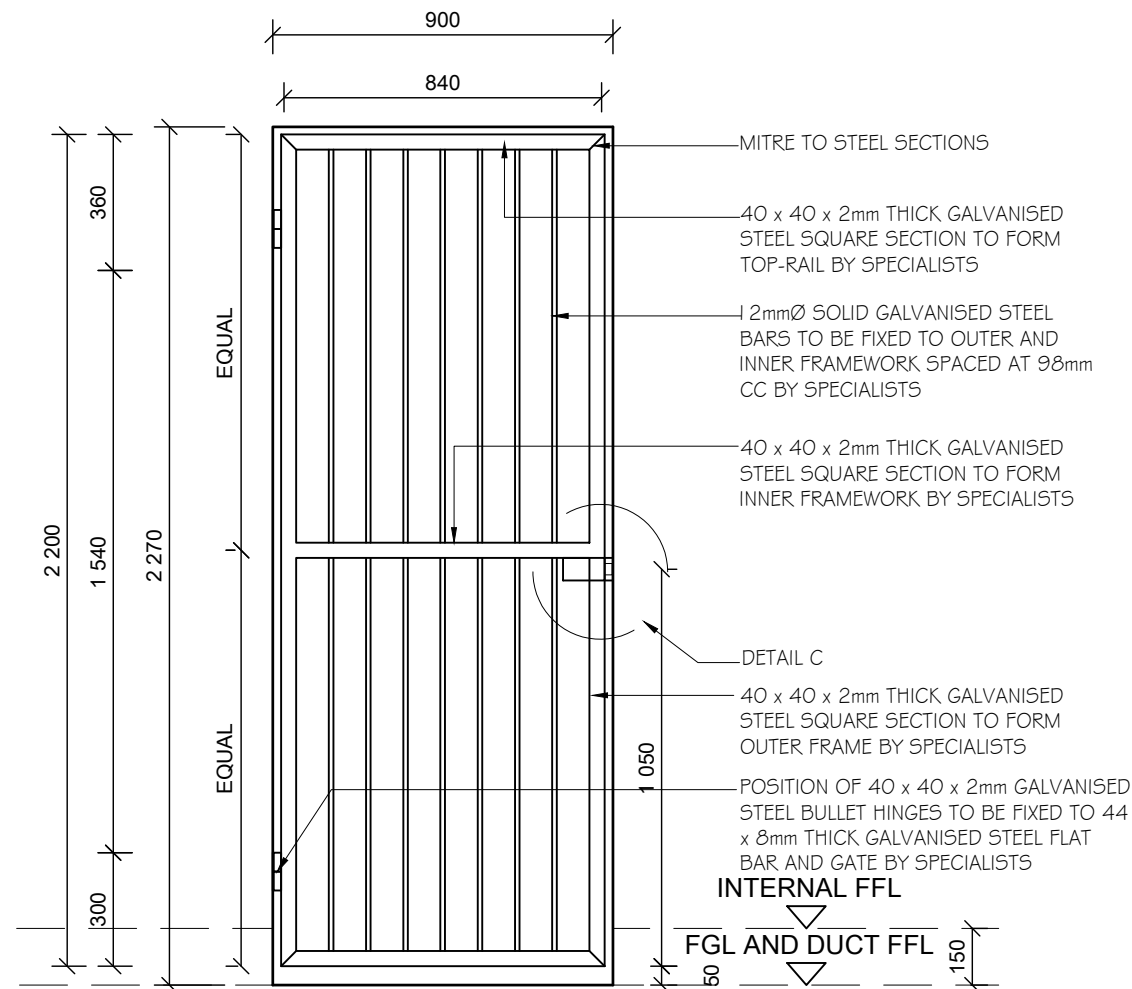
BRANCH: EASTERN CAPE
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✉ P. O. BOX 455, PORT SHEPSTONE, 4240
e-mail: vhb@vhbassociates.co.za

PROJECT:
PROPOSED MPHUTHUMI MAFUMBATHA MULTI-PURPOSE CENTRE
FOR: WINNIE MADIKIZELA-MANDELA LOCAL MUNICIPALITY
CADASTRAL DESCRIPTION:
ERF 3084 & 3077 MBIZANA

DRAWING:
MULTI-PURPOSE HALL - WINDOW & DOOR SCHEDULE

DESIGNED	V. BRIDGLALL	DATE	JULY 2025
DRAWN	J. DUKE	SCALE	AS SHOWN
CHECKED	V. BRIDGLALL	SIZE	A1
JOB No.	MLM 05	SHEET No.	CW 08
		REV.	B



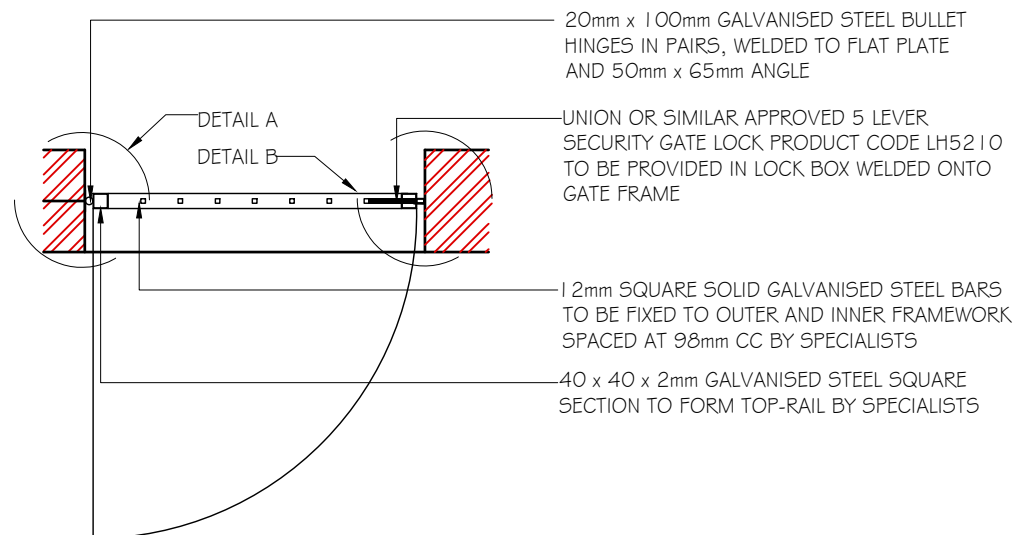
GATE TYPE
G 1
QUANTITY
04

SCALE: 1 : 20

NOTE:
ALL STEEL WORK TO BE HOT DIPPED GALVANISING.
ALL DIMENSIONS TO BE VERIFIED ON-SITE PRIOR TO MANUFACTURE.

ALL MEASUREMENTS TO BE VERIFIED ON-SITE PRIOR TO MANUFACTURE.

IRONMONGERY:
50mm PADLOCK WITH STAINLESS STEEL SHACKLE



FACE BRICK REVEAL

40 x 40 x 2mm GALVANISED STEEL SQUARE SECTION TO FORM TOP-RAIL BY SPECIALISTS

20mm x 100mm GALVANISED STEEL BULLET HINGES IN PAIRS, WELDED TO FLAT PLATE AND 50mm x 65mm ANGLE

12mm SQUARE SOLID GALVANISED STEEL BARS TO BE FIXED TO OUTER AND INNER FRAMEWORK SPACED AT 98mm CC BY SPECIALISTS

DETAIL A

FACE BRICK REVEAL

40 x 40 x 2mm GALVANISED STEEL SQUARE SECTION TO FORM TOP-RAIL BY SPECIALISTS

12mm SQUARE SOLID GALVANISED STEEL BARS TO BE FIXED TO OUTER AND INNER FRAMEWORK SPACED AT 98mm CC BY SPECIALISTS

UNION OR SIMILAR APPROVED 5 LEVER SECURITY GATE LOCK PRODUCT CODE LH5210 TO BE PROVIDED IN LOCK BOX WELDED ONTO GATE FRAME

22 x 65mm GALVANISED STEEL RECTANGULAR SECTION WELDED ONTO ANGLE TO FORM STRIKER PLATE BY SPECIALISTS, ENDS TO BE CLOSED WITH GALVANISED STEEL FLAT PLATES

DETAIL B

22 x 65mm GALVANISED STEEL RECTANGULAR SECTION WELDED ONTO ANGLE TO FORM STRIKER PLATE BY SPECIALISTS, ENDS TO BE CLOSED WITH GALVANISED STEEL FLAT PLATES

UNION OR SIMILAR APPROVED 5 LEVER SECURITY GATE LOCK PRODUCT CODE LH5210 TO BE PROVIDED IN LOCK BOX WELDED ONTO GATE FRAME

12mm SQUARE SOLID GALVANISED STEEL BARS TO BE FIXED TO OUTER AND INNER FRAMEWORK SPACED AT 98mm CC BY SPECIALISTS

DETAIL C

No.	BY	DATE	REVISION

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CLIENT'S SIGNATURE



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e-mail: vhb@vhbassociates.co.za

PROJECT:

PROPOSED MPHUTHUMI MAFUMBATHA

MULTI-PURPOSE CENTRE

FOR: WINNIE MADIKIZELA-MANDELA LOCAL

MUNICIPALITY

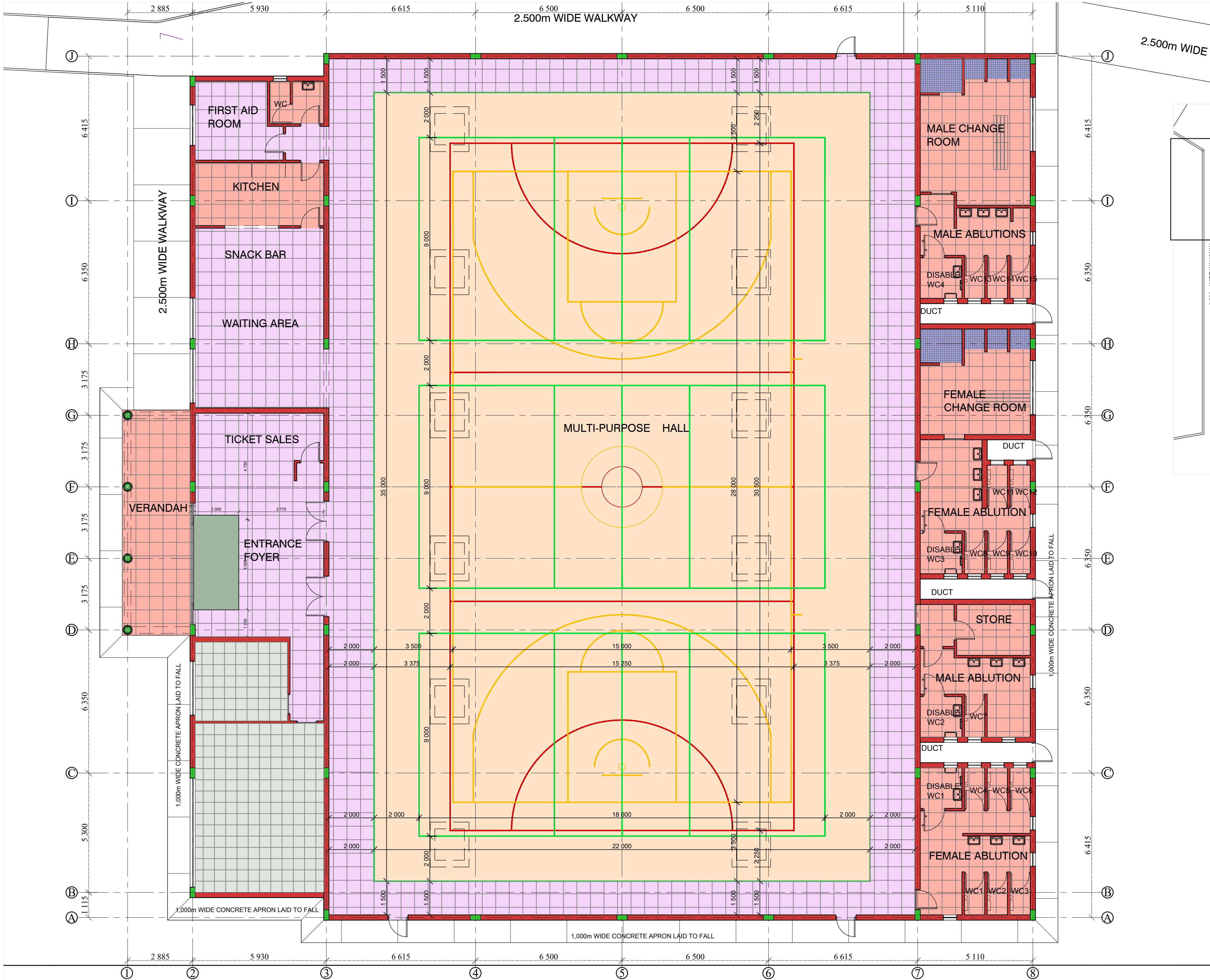
CADASTRAL DESCRIPTION:

ERF 3084 & 3077 MBIZANA

DRAWING:

MULTI-PURPOSE HALL -
GATE SCHEDULE

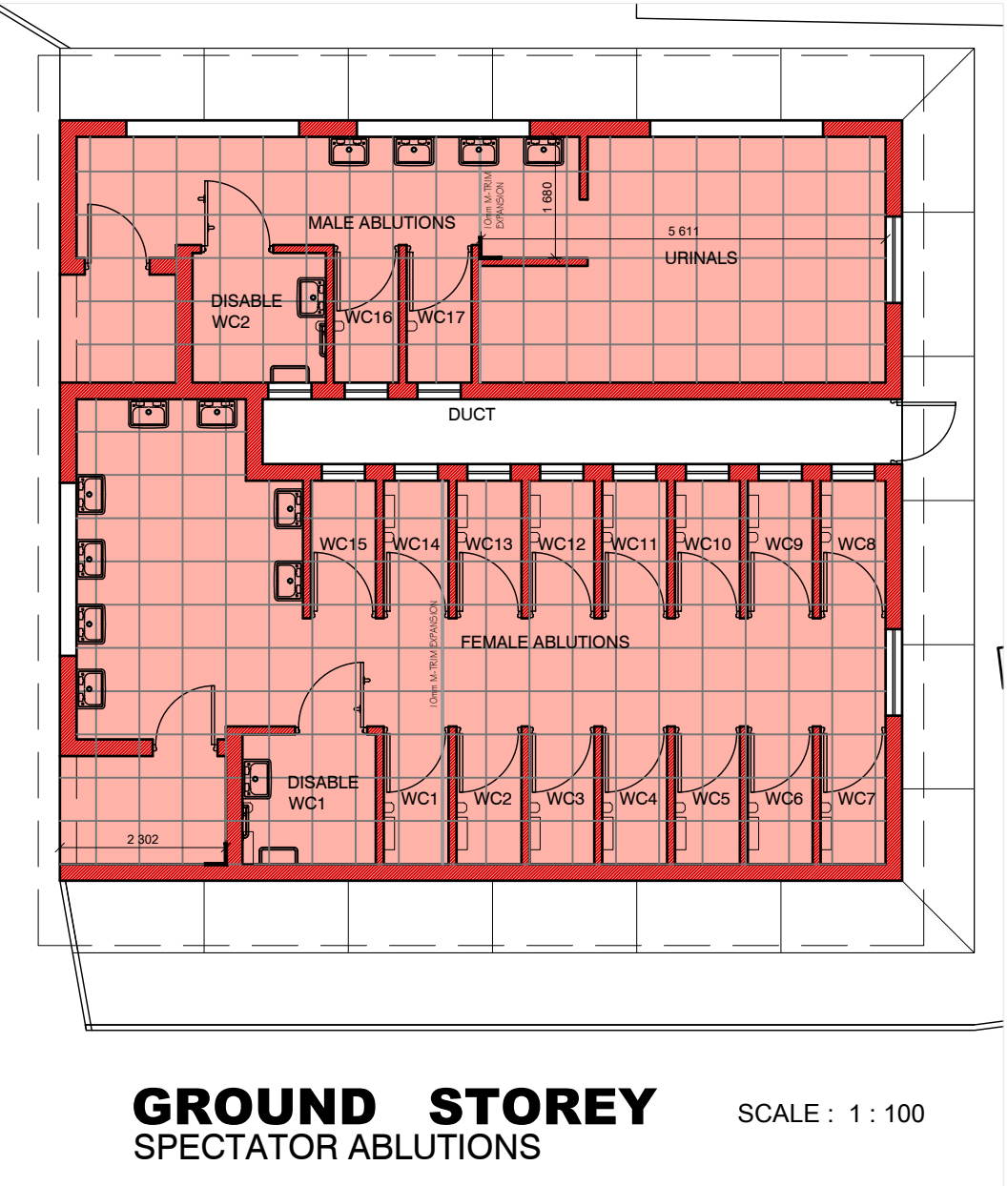
DESIGNED	V. BRIDGLALL	DATE	JULY 2025
DRAWN	J. DUKI	SCALE	AS SHOWN
CHECKED	V. BRIDGLALL		
JOB No.	SHEET No.	REV.	
MLM 05	CW 09	B	



FLOOR TILING LAYOUT
GROUND STOREY

SCALE : 1 : 100
SCALE : 1 : 100

- BASKETBALL
NETBALL
VOLLEYBALL



GROUND STOREY
SPECTATOR ABLUTIONS

SCALE : 1 : 100

NOTES

100mm HIGH PORCELAIN TILE SKIRTING TO MATCH FLOOR TILE

POLYSALES TILE CAP TC48SA OR SIMILAR APPROVED TO BE INSTALLED BETWEEN PORCELAIN FLOOR TILE AND POLYFLOR SPORT 67 FLEXIBLE PVC SHEET FLOORING

ALUMINIUM WOOD GRIP MATT SILVER CARPET TRIM BY KIRK MARKETING OR SIMILAR APPROVED. TO BE FITTED BETWEEN CARPET TILE AND PORCELAIN TILE FINISH.

FOR PORCELAIN TILES - M. TRIM OR SIMILAR APPROVED. ALUMINIUM HEAVY DUTY MOVEMENT JOINT 10mm BLACK INFILL TO ACCOMMODATE 10mm THICK FLOOR TILE

ALUMINIUM EDGE TRIM TO WALL CORNERS

BRUSHED STAINLESS STEEL SQUARE EDGE TRIM TO THRESHOLDS

LEGEND

6mm THICK HEAVY COMMERCIAL GRID CARPET TILES WITH STAINPROOF AND BACKING. SIZE: 500 X 500	
600 x 600 FULL BODIED POLISHED PORCELAIN TILE	
6.7mm POLYFLOR SPORT 67 FLEXIBLE PVC SHEET FLOORING	
600 x 600 ANTI-SLIP PORCELAIN TILE	
SLIP RESISTANT MOSAIC FLOOR TILES	
ENTRANCE MAT (TRIO BRUSH - ANTHRACITE GREY)	

GENERAL NOTES:

- NO CONSTRUCTION WORK SHALL COMMENCE ON SITE PRIOR TO APPROVAL OF ARCHITECTURAL PLANS FROM THE LOCAL MUNICIPALITY
- ALL WORK TO COMPLY WITH SANS 10400
- ALL LEVELS AND DIMENSIONS TO BE CHECKED ON SITE PRIOR TO COMMENCEMENT OF ANY WORK
- ALL DISCREPANCIES TO BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE AUTHOR
- ALL PLUMBING BY REGISTERED CONTRACTOR
- ALL ELECTRICAL BY REGISTERED CONTRACTOR
- IF ON EXCAVATION IT IS FOUND TO CONTAIN EXPANSIVE CLAY, EXCESSIVE GROUND WATER OR OTHER POOR SOIL CONDITIONS, THEN ALL FOUNDATIONS ARE TO BE BUILT TO PROFESSIONAL ENGINEERS DETAILS AND UNDER HIS SUPERVISION
- FACE-BRICK PLINTH OR 1,000mm WIDE CONCRETE APRON TO BE PROVIDED AROUND BUILDING
- NO VEGETATION TO BE AFFECTED ON SITE
- BOUNDARY BEACONS TO BE EXPOSED AND DEMARKED
- GLASS THICKNESS TO COMPLY WITH NN2
- SAFETY GLAZING IN ACCORDANCE WITH NNS REQUIRED
- ONLY FIGURED DIMENSIONS TO BE USED ON ALL DRAWINGS

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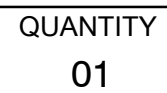
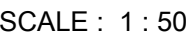
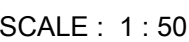
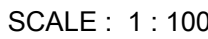
PROJECT:
PROPOSED MPHUTHUMI MAFUMBATHA
MULTI-PURPOSE CENTRE
FOR: WINNIE MADIKIZELA-MANDELA LOCAL
MUNICIPALITY
CADASTRAL DESCRIPTION:
ERF 3084 & 3077 MBIZANA

DRAWING:
MULTI-PURPOSE HALL &
SPECTATORS ABLUTIONS
FLOOR TILING LAYOUT

DESIGNED V. BRIDGLALL DATE JUNE 2025
DRAWN J. DUKI SCALE AS SHOWN

CHECKED V. BRIDGLALL SIZE A1

JOB No. MLM 05 SHEET No. CW 10 REV. A



FRAME

1.6MM PREGALV MILD STEEL DOOR FRAME TO SUIT A 230 WALL

FINISH:

APPLY 1 X COAT DULUX OR SIMILAR APPROVED STEEL PRIMER, 1 X UNIVERSAL UNDERCOAT AND 2 X DULUX PEARLGLO WATERBASED TINTED TOUGH WATERBORNE SATIN ENAMEL FOR EXTERIOR USE

NB: ALLOW MINIMUM OF 4 HOURS DRYING TIME BETWEEN EACH COAT AS PER MANUFACTURER'S SPECIFICATION.

- ## GENERAL NOTES:
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 - ALL LEVELS AND DIMENSIONS TO BE CHECKED ON SITE PRIOR TO COMMENCEMENT OF ANY WORK
 - ALL DISCREPANCIES TO BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE AUTHOR
 - ALL PLUMBING BY REGISTERED CONTRACTOR
 - ALL ELECTRICAL BY REGISTERED CONTRACTOR
 - IF ON EXCAVATION IT IS FOUND TO CONTAIN EXPANSIVE CLAY, EXCESSIVE GROUND WATER OR OTHER POOR SOIL CONDITIONS, THEN ALL FOUNDATIONS ARE TO BE BUILT TO PROFESSIONAL ENGINEERS DETAILS AND UNDER HIS SUPERVISION
 - FACE-BRICK PLINTH OR 1,000m WIDE CONCRETE APRON TO BE PROVIDED AROUND BUILDING
 - NO VEGETATION TO BE AFFECTED ON SITE
 - BOUNDARY BEACONS TO BE EXPOSED AND DEMARKED
 - GLASS THICKNESS TO COMPLY WITH NN2
 - SAFETY GLAZING IN ACCORDANCE WITH NN3 REQUIRED
 - ONLY FIGURED DIMENSIONS TO BE USED ON ALL DRAWINGS

No.	BY	DATE	REVISION

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PROJECT:
PROPOSED MPHUTHUMI MAFUMBATHA
MULTI-PURPOSE CENTRE
FOR: WINNIE MADIKIZELA-MANDELA LOCAL
MUNICIPALITY
CADASTRAL DESCRIPTION:
ERF 3084 & 3077 MBIZANA

DRAWING:
PUMP ROOM

DESIGNED	V. BRIDGLALL	DATE	OCTOBER 2025
DRAWN	J. DUKI	SCALE	AS SHOWN
CHECKED	V. BRIDGLALL		SIZE A2
JOB No. MLM 05		SHEET No. CW 11	REV. A

			SPACE																								SPECIFICATION									
			MULTI-PURPOSE HALL																		SPECTATOR ABLUTIONS		EXTERNAL WORKS													
			VERANDAH	ENTRANCE FOYER	TICKET SALES	OFFICE	BOARDROOM	WAITING AREA	SNACK BAR	KITCHEN	FIRST AID ROOM	WC	MULTI-PURPOSE HALL	MALE CHANGE ROOM	MALE ABLUTIONS	FEMALE CHANGE ROOM	FEMALE ABLUTIONS	STORE ROOM	MALE ABLUTIONS	FEMALE ABLUTIONS	CONCRETE ROOF SLAB	DUCT	DUCT	MALE ABLUTIONS	FEMALE ABLUTIONS	DUCT		DRIVEWAY & PARKING	WALKWAY	CRICKET PRACTICE NET	SPORTS FIELD	LONG JUMP	HIGH JUMP	JAVELIN	DISCUS	SHOTPUT
A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	A1	B1	C1	D1	E1	F1	G1	H1			
FLOORS	1	NEW SURFACE BED	●	●			●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	RE-INFORCED CONCRETE SURFACE BED TO PR. ENGS DETAILS IN ACCORDANCE WITH SANS 10109 ON BRC MESH ON 250mm MICRON GUNPLAS UBS GREEN DPM AND APPROVED ADHESIVE TAPE ON 50mm THICK RIVER SAND ON WELL COMPACTED POISONED SOIL BY SPECIALISTS TO PR. ENGS DETAILS. SOIL POISONING TO COMPLY WITH SANS 10124
	2	NEW SELF LEVELING SCREED									●																									5mm TAL SCREEDMASTER OR SIMILAR APPROVED SELF LEVELING SCREED TO 30mm CONCRETE SCREED, SURFACE TO COMPLY WITH SANS 581. SCREED TO BE TESTED FOR MOISTURE CONTENT PRIOR TO INSTALLATION OF ANY NEW PRODUCT.
	3	NEW VAPOUR STOP	●	●	●	●	●	●	●	●	●	●				●																			2 COATS TAL OR SIMILAR APPROVED VAPOUR STOP, FULLY BLIND OFF VAPOUR STOP SURFACE WITH TALOR SIMILAR APPROVED AGGREGATE IN STRICT ACCORDANCE TO MANUFACTURERS SPECIFICATION	
	4	60mm G - BLOCK (WALKWAY)																			●			●		●									60mm CONCRETE G-BLOCK PAVERS, COLOUR GREY	
	5	80mm G - BLOCK (DRIVEWAY)																							●										80mm CONCRETE G-BLOCK PAVERS, COLOUR GREY	
	6	CONCRETE "V" DRAIN										●	●	●	●	●	●	●	●	●			●	●											EXTERNAL: CONCRETE "V" DRAIN CHANNEL AROUND BUILDING TO FORM SW CHANNEL TO PR. ENGS DETAILS. WOOD FLOAT FINISH TO V DRAIN AND EDGE TO BE FINISHED WITH 60mm STEEL CORNER TOOL. SAMPLE TO BE PROVIDED FOR APPROVAL	
	7	CONCRETE APRON	●	●	●	●	●	●	●	●	●	●												●	●										EXTERNAL: CONCRETE APRON AROUND BUILDING TO FORM SW CHANNEL / APRON TO PR. ENGS DETAILS.WOOD FLOAT FINISH TO APRON AND EDGE TO BE FINISHED WITH 60mm STEEL CORNER TOOL. SAMPLE TO BE PROVIDED FOR APPROVAL	
	8	FULL BODIED PORCELAIN TILE		●	●	●	●	●	●	●	●	●																							600 x 600mm FULL BODIED PORCELAIN TILE FIXED WITH GOLDSTARS OR SIMILAR APPROVED PORCELAIN TILE ADHESIVE AND TAL OR SIMILAR APPROVED WALL AND FLOOR GROUT, WITH 5mm SPACERS. COLOUR TO BE APPROVED BY THE ARCHITECT. MOVEMENT JOINTS SHOULD BE LOCATED AROUND THE PERIMETER OF ALL FLOORS AND SHOULD BE LOCATED IN BOTH DIRECTIONS AT A MAXIMUM OF 3 METRE CENTRES FOR EACH APPLICATION	
	9	SLIP RESISTANT PORCELAIN TILE	●						●		●		●	●	●	●	●	●	●	●			●	●											600 x 600mm FULL BODIED ANTI-SLIP PORCELAIN TILE FIXED WITH GOLDSTARS OR SIMILAR APPROVED PORCELAIN TILE ADHESIVE AND TAL OR SIMILAR APPROVED WALL AND FLOOR GROUT, WITH 5mm SPACERS. COLOUR TO BE APPROVED BY THE ARCHITECT. MOVEMENT JOINTS SHOULD BE LOCATED AROUND THE PERIMETER OF ALL FLOORS AND SHOULD BE LOCATED IN BOTH DIRECTIONS AT A MAXIMUM OF 3 METRE CENTRES FOR EACH APPLICATION	
	10	SHOWER MOSAIC											●	●																						SLIP RESISTANT MOSAIC FLOOR TILES FIXED TO SHOWER FLOOR WITH APPROVED TILE ADHESIVE AND WATERPROOF GROUT
	11	POLYFLOR SHEETING									●																									SUPPLY AND FIX 6.7mm POLYFLOR SPORT 67 FLEXIBLE PVC SHEET FLOORING (2m X 18.5m) WITH POLYURETHANE REINFORCEMENT SUPPLIED AND INSTALLED BY SPECIALISTS IN COLOUR MAPLE 7516. 50mm THICK COLOUR LINE MARKINGS FOR COMBI-COURTS. TO BE FITTED BY APPROVED INSTALLER TO MANUFACTURERS SPECIFICATIONS.
	12	CARPET TILES				●	●																													6mm THICK HEAVY COMMERCIAL CARPET TILES WITH STAINPROOF AND BACKING. SIZE: 500 X 500
	13	TILE CAP									●																									POLYSALES TILE CAP TC48SA OR SIMILAR APPROVED TO BE INSTALLED BETWEEN PORCELAIN FLOOR TILE AND POLYFLOR SPORT 67 FLEXIBLE PVC SHEET FLOORING
	14	TRANSITION STRIP				●	●																													ALUMINIUM WOOD GRIP MATT SILVER CARPET TRIM BY KIRK MARKETING OR SIMILAR APPROVED. TO BE FITTED BETWEEN CARPET TILE AND PORCELAIN TILE FINISH.
	15	METAL MOVEMENT JOINTS		●	●			●	●	●	●	●	●	●	●	●	●	●	●	●			●	●												FOR PORCELAIN TILES - M.TRIM OR SIMILAR APPROVED, ALUMINIUM HEAVY DUTY MOVEMENT JOINT 10mm BLACK INFILL TO ACCOMMODATE 10mm THICK FLOOR TILE
	16	FLOOR DRAIN																					●	●												SEAQUAL LOLO DRAIN COMPLETE - 110 x 110 STAINLESS STEEL SQUARE HOLE GRATE - 50mm SIDE OUTLET OR SIMILAR APPROVED
	17	SHOWER DRAIN										●		●																						ACC SHOWER DRAIN CHANNEL & GRATING WITH HORIZONTAL SIDE OUTLET AND SQUARE GRATE (M500) OR SIMILAR APPROVED
	18	FULBORE OUTLET																		●																ACC OR SIMILAR APPROVED SPIN AND GRAVITY CAST IRON ROOF DRAINAGE
WALLS	19	NEW EXTERNAL FACE BRICK	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	ROAN SATIN "FBX" CLAY FACEBRICK BY "COROBRIK" OR SIMILAR APPROVED. OUTER FACE OF INNER SKIN TO BE BAG-WASHED AND 2 COATS OF BRIXEAL OR EQUAL APPROVED TO BE APPLIED. FACEBRICK TO BE BUILT IN STRETCHER BOND. NO FALSE HEADERS SHALL BE USED AND NONE BUT WHOLE BRICKS EMPLOYED EXCEPT WHERE LEGITIMATELY REQUIRED TO FORM BOND. BRICKWORK SHALL BE BUILT LEVEL PLUMB AND POINTING WITH 10mm SQUARE RECESSED JOINTS (FOR A STANDARD BRICK SIZE). THE BRICKS SHALL BE LAID ON A SOLID BED OF MORTAR AND ALL JOINTS THOROUGHLY GROUTED UP SOLID THROUGHOUT THE WHOLE WIDTH OF EACH COURSE. CLAY BRICKS SHALL BE SATURATED WITH WATER IN THE STACK / DUMP APPROX. 2 HOURS PRIOR TO BEING USED. THE TOP OF WALLS LEFT UNFINISHED TO BE WELL WATERED BEFORE WORK COMMENCES.	
	20	NEW EXTERNAL PLASTER	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	EXTERNAL: 15mm 1:5 CEMENT PLASTER FINISHED SLIGHTLY ROUGH WITH WOODEN TROWEL ENSURE PLASTER IS DRY, FIRM, FREE OF DUST, DIRT, GREASE AND OIL BEFORE APPLYING DULUX OR SIMILAR APPROVED TRADE ALKALI RESISTANT PLASTER PRIMER WITH APPROVED "DULUX WALL GUARD PREMIUM QUALITY EXTERIOR QUALITY EXTERIOR COATING" PAINT (2 COATS) AS PER MANUFACTURER'S SPECIFICATIONS. COLOUR OF PAINT: STONEHEDGE GREIGE, SAMPLE TO BE PROVIDED FOR APPROVAL	
	21	NEW INTERNAL PLASTER	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	INTERNAL: 15mm 1:5 CEMENT PLASTER FINISHED SMOOTH WITH STEEL TROWEL, ENSURE PLASTER IS DRY, FIRM, FREE OF DUST, DIRT, GREASE AND OIL BEFORE APPLYING DULUX OR SIMILAR APPROVED TRADE ALKALI RESISTANT PLASTER PRIMER WITH APPROVED "TRADE PURE ACRYLIC LOW SHEEN PVA" (2 COATS) AS PER MANUFACTURER'S SPECIFICATIONS. COLOUR OF PAINT: INSPIRED NEUTRALS EBONY MISTS 5 - NIGHT JEWELS 5, SAMPLE TO BE PROVIDED FOR APPROVAL.	
	22	INTERNAL WALL TILES							●	●	●		●	●	●	●	●	●	●	●			●	●											600 x 300 x 6.5mm GLAZED CERAMIC TILES TO CEILING HEIGHT (AND AROUND WINDOW REVEALS WITH 3mm STRAIGHT JOINTS AND FIXED WITH 3MM SPACERS USING TAL PRO-BOND AND TAL WALL AND FLOOR WHITE GROUT. (SQUARE ALUMINIUM STRIPS TO BE PROVIDED TO TWO SIDES OF TILING). TILES LAID IN HORIZONTAL PATTERN	
	23	CEMENT MORTAR	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	CEMENT MORTAR SHALL BE COMPOSED OF 6 PARTS (BY VOLUME) OF SAND AND 1 PART (BY VOLUME) OF CEMENT. THE MATERIAL SHALL BE MIXED DRY UNTIL OF UNIFORM COLOUR AND THEN WATER ADDED AND THE MIXTURE TURNED OVER UNTIL THE INGREDIENTS ARE THOROUGHLY INCORPORATED. CEMENT MORTAR SHALL BE PROVIDED IN SUCH QUANTITIES AS CAN BE USED BEFORE COMMENCING TO SET AS NO CEMENT MORTAR THAT HAS ONCE COMMENCED TO SET SHALL BE USED IN ANY WAY. WHERE WALLS ARE CHASED AFTER PLASTERING CHICKEN MESH WIRE TO BE USED BEFORE APPLYING NEW PLASTER	
	24	SKIRTINGS		●	●	●	●	●	●	●	●	●				●																			100 x 600mm FULL BODIED PORCELAIN TILE TO FORM SKIRTING FIXED WITH GOLDSTARS OR SIMILAR APPROVED PORCELAIN TILE ADHESIVE AND TAL OR SIMILAR APPROVED WALL AND FLOOR GROUT, WITH 5mm SPACERS. COLOUR TO BE MATCH FLOOR TILE.	
SILLS	25	EXTERNAL SILL							●	●	●	●	●	●	●	●	●	●	●	●															ROAN SATIN "FBX" CLAY FACEBRICK BY "COROBRIK" OR SIMILAR APPROVED WITH SOLID BRICK ON ENDS	
	26	INTERNAL SILL - PLASTER								●																										INTERNAL: 15mm 1:5 CEMENT PLASTER FINISHED SMOOTH WITH STEEL TROWEL ENSURE PLASTER IS DRY, FIRM, FREE OF DUST, DIRT, GREASE AND OIL BEFORE APPLYING DULUX OR SIMILAR APPROVED TRADE ALKALI RESISTANT PLASTER PRIMER WITH APPROVED "TRADE PURE ACRYLIC LOW SHEEN PVA" (2 COATS) AS PER MANUFACTURER'S SPECIFICATIONS. COLOUR OF PAINT: INSPIRED NEUTRALS EBONY MISTS 5 - NIGHT JEWELS 5, SAMPLE TO BE PROVIDED FOR APPROVAL
	27	AIR BRICK																																		FIRE CLAY AIR BRICK. COLOUR TO MATCH COLOUR OF EXTERNAL PAINT AND OR FACEBRICK, REFER TO ELEVATIONS FOR POSITIONS
CEILINGS	28	CEILINGS - RHINOBOARD		●	●		●	●								●																			SUSPENDED SKIMMED RHINOBOARD CEILINGS TO FORM BULKHEAD APPLY 1 x UNDERCOAT DULUX OR SIMILAR APPROVED TRADE ALKALI RESISTANT PRIMER AND 2 x FINISHING COATS OF DULUX OR SIMILAR APPROVED TRADE 65 MATT PAINT TO COMPLY WITH SABS 634. COLOUR: WHITE. STAINLESS STEEL CLOUT NAILS TO BE PROVIDED	
	29	CEILINGS - CLADDIT BOARD									●		●	●	●	●	●	●	●	●			●	●											MOISTURE RESISTANT CLADDIT BOARD / FIBRE CEMENT CEILING FIXED TO SUSPENDED ALUMINIUM GRID TO FORM FALSE CEILING. APPLY 1 x UNDERCOAT DULUX OR SIMILAR APPROVED TRADE ALKALI RESISTANT PRIMER AND 2 x FINISHING COATS OF DULUX OR SIMILAR APPROVED TRADE 65 MATT PAINT TO COMPLY WITH SABS 634. COLOUR: WHITE. STAINLESS STEEL CLOUT NAILS TO BE PROVIDED	
	30	CEILINGS - 1200x600				●	●			●																										THERMOCEL VINYL CLAD 6mm CALCIUM SILICATE ALUMINIUM FOIL BACKED AND WITH 25mm THICK FIRE-RETARDANT POLYSTYRENE GLUED TO BACK. CEILING SIZE 1,200 x 0,600 x 31mm LAID ON PRE-PAINTED WHITE EXPOSED TEE SUSPENSION SYSTEM SHOT NAILED TO CONCRETE RC SLAB. ALUMINIUM SHADOW LINE AROUND PERIMETER.
	31	CORNICES	●	●	●	●	●	●	●	●		●	●	●	●	●	●	●	●	●			●	●											PELICAN OR SIMILAR APPROVED 20 x 20 WHITE ALUMINIUM CEILING TRIM FIXED IN ACCORDANCE WITH MANUFACTURERS SPECIFICATIONS	
	32	TRAP DOOR		●	●		●	●			●		●	●	●	●	●	●	●	●			●	●											635 x 635mm CEILING TRAP DOOR TO BE PROVIDED AS INDICATED ON CEILING PLANS. APPLY 1 x UNDERCOAT DULUX OR SIMILAR APPROVED TRADE ALKALI RESISTANT PRIMER AND 2 x FINISHING COATS OF DULUX OR SIMILAR APPROVED TRADE 65 MATT PAINT TO COMPLY WITH SABS 634. COLOUR: WHITE. STAINLESS STEEL CLOUT NAILS TO BE PROVIDED	
FIXTURES	33	RC SOFFIT SLAB	●																	●		●													EXTERNAL: 15mm 1:5 CEMENT PLASTER FINISHED SLIGHTLY ROUGH WITH WOODEN TROWEL ENSURE PLASTER IS DRY, FIRM, FREE OF DUST, DIRT, GREASE AND OIL BEFORE APPLYING DULUX OR SIMILAR APPROVED TRADE ALKALI RESISTANT PLASTER PRIMER WITH APPROVED "DULUX WALL GUARD PREMIUM QUALITY EXTERIOR QUALITY EXTERIOR COATING" PAINT (2 COATS) AS PER MANUFACTURER'S SPECIFICATIONS. COLOUR OF PAINT: WHITE, SAMPLE TO BE PROVIDED FOR APPROVAL	
	34	SILICONE							●	●	●		●	●	●	●	●	●	●			●	●												ALL FITTINGS BUTTING UP AGAINST WALL OF FLOOR FINISH OR FITTING INTO PREFORMED OPENING IN TIMBER TOPS ARE TO BE SEALED WITH AN APPROVED SILICONE SEALANT. PAINTABLE SILICONE TO BE PROVIDED WHERE REQUIRED.	
	35	EXPANSION JOINTS																																		EXPANSION JOINTS WITH BITUMEN IMPREGNATED SOFTBOARD BETWEEN VERTICAL CONCRETE AND BRICK SURFACES TO BE PROVIDED TO PR. ENGS DETAIL AND SPECIFICATION
	36	BLINDS				●	●			●																										BLOCK OUT BLINDS WITH NATURAL ANODISED ALUMINIUM HEADRAIL (44.5 x 25mm) FIXED WITH QUICKFIX FIXING CLIPS, TO BE FITTED IN ACCORDANCE WITH MANUFACTURE'S SPECIFICATIONS. COLOUR: CHARCOAL GREY - TO BE VERIFIED WITH ARCHITECT.
	37	WHITE BOARD				●					●																									3000mm x 1200mm HIGH ANODIZED ALUMINIUM FRAMED MAGNETIC WHITE BOARD (BDO 984)FIXED TO PLASTERED WALL AS PER MANUFACTURER'S SPECIFICATIONS
	38	PINNING BOARD									●																									MOISTURE RESISTANT, ANTI ALLERGIC AND ANTI-STATIC, 4.5mm COLUR RIB CARPET BY BELGOTEXFLOORS, COLOUR KEVLAR OR SIMILAR APPROVED, FIXED TO SOFTBOARD WITH 44 x 22mm REBATED MERANTI SURROUND (WITH IMBUA FINISH, ALL FIXED TO PLASTERED WALL.
	39	HYROBOIL - 5						●																												FRANKE OR SIMILAR APPROVED STAINLESS STEEL 5 LITRE HYDRO BOIL PRODUCT CODE 2610007
	40	EXPOSED TRUSSES									●																									PRIMED AND PAINTED GALVANIZED STEEL TRUSSES. COLOUR TO BE APPROVED BY ARCHITECT.
LANDSCAPING	41	STEEL POSTS																								●									NEW POSTS - 1000 PRIMED AND PAINTED GALVANIZED MILD STEEL POSTS EMBEDDED IN MASS CONCRETE BASE TO PR. ENGS DETAILS	
	42	GRASS																									●								KIKUYU GRASS	
	43	PLANTERS																														●			DROUGHT RESISTANT PLANTERS WITH DECORATIVE PEBBLE STONES TO LANDSCAPING SPECIALISTS DETAIL	
	44	SYNTHETIC LAWN																									●								11mm PITCH SUMMER GREEN & OLIVE GREEN POLYETHYLENE GRASS BY BELGOTEX OR SIMILAR APPROVED FIXED TO MANUFACTURERS SPECIFICATIONS	

FINISHING NOTES:

BASED ON THE NATIONAL BUILDING REGULATIONS AND SANS 10400 CODE OF PRACTICE:

B - STRUCTURAL NOTES:
THE DESIGN OF THE STRUCTURAL ELEMENTS AND COMPONENTS WILL BE CARRIED OUT BY A PROFESSIONAL ENGINEER, WHO HAS CERTIFIED THAT THE DESIGN COMPLIES WITH REQUIREMENTS OF SANS 10400.

C - ROOM DIMENSIONS:
HABITABLE ROOMS WILL HAVE A FLOOR AREA OF NOT LESS THAN 6m². A MINIMUM HORIZONTAL DIMENSION OF NOT LESS THAN 2m AND A MIN. HEIGHT OF 2.4m.

D - PUBLIC SAFETY:
THE EDGE OF ANY CHANGE OF LEVEL MORE THAN 1m ABOVE ANY ADJACENT LEVEL IS PROVIDED WITH A BALUSTRADE OR PARAPET WALL NOT LESS THAN 1m HIGH AND SUCH BALUSTRADE WILL NOT HAVE ANY OPENINGS LARGER THAN 100mm.

F - SITE OPERATIONS:
ALL SITE OPERATIONS INCLUDING PUBLIC PROTECTION, WILL BE EXECUTED IN STRICT ACCORDANCE WITH PART F OF SANS 10400 UNDER THE SUPERVISION OF AN ARCHITECT OR AN ENGINEER. APPROVED SANITARY FACILITIES FOR ALL PERSONNEL SHOULD BE AVAILABLE BEFORE COMMENCEMENT THROUGH OUT THE DURATION OF THE BUILDING OPERATIONS.
SOIL POISONING: THE GROUND AREA PRESCRIBED IN CODE OF PRACTICE SANS 0124 SHALL BE TREATED IN ACCORDANCE WITH THE RECOMMENDATIONS OF SANS 0124.

G - EXCAVATIONS, G FOUNDATIONS, H FLOORS,JI WALLS:
PARTS OF F,G,H,AND J WILL BE DESIGNED BY A PROFESSIONAL ENGINEER AND WILL BE EXECUTED IN STRICT ACCORDANCE WITH THE NATIONAL BUILDING REGULATIONS AND SANS 10400. APPROVED DPC MEMBRANE (AS SABS 248,952 OR 298) EXTENDING THE FULL THICKNESS OF WALLS TO BE INSTALLED AT ALL WALLS AT THE LEVEL AT THE TOP OF THE SURFACE BED AT LEAST 150mm ABOVE THE ADJOINING GROUND AND AT ALL WINDOW SILLS AN APPROVED VERTICAL WATERPROOF MEMBRANE TO BE FITTED WHERE A WALL OF A ROOM IS IN CONTACT WITH THE GROUND. ROOFS TO BE ANCHORED TO THE WALLS IN COMPLIANCE WITH CLAUSE KK13 OF THE NATIONAL BUILDING REGULATIONS.

L - ROOFS:
ROOF : 0.53mm THICK 700mm COVER SAFLOK 700 COLORPLUS INTERLOCKING CONCEALED FIX ROOF COVERING, FIXED TO STEEL PURLINS ON GALVANIZED STEEL TRUSSES, SPACING TO ENGINEER'S SPECIFICATIONS. BY MEANS OF A SL 700 CLIP 35 CLIPS SECURED TO PURLINS IN COMBINATION WITH A SUITABLE CLASS SAFINTRA APPROVED WAFER HEAD SELF-TAPPING FASTENERS WITH ROOF INSULATION. ALL IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS.
ROOF SHEET COATING: AZ150. ROOF PITCH: 3°

N - GLAZING:
GLAZING WILL COMPLY WITH THE BUILDING REGULATIONS AND THE DEEMED TO SATISFY RULES OF PART N OF THE NATIONAL BUILDING REGULATIONS AND SANS 10400 CODE OF PRACTICE .

O - LIGHTING AND VENTILATION:
HABITABLE ROOMS TO BE PROVIDED WITH WINDOWS THE TOTAL AREA OF ANY SUCH WINDOW SHOULD BE NOT LESS THAN 10% OF THE FLOOR AREA OF THE ROOM SERVED BY IT FOR NATURAL LIGHT, AND SUCH WINDOW WILL BE PROVIDED WITH OPENING SECTIONS FOR NATURAL VENTILATION THE TOTAL AREA OF WHICH WILL NOT BE LESS THAN 5% OF THE FLOOR AREA OF THE ROOM, OR 0.2m² WHICH EVER IS THE GREATER.

P - DRAINAGE:
SINGLE STACK AND 2 PIPE SYSTEM AS SHOWN TO COMPLYING WITH PART P OF THE NATIONAL BUILDING REGULATIONS AND COMPRISING THE FOLLOWING: 100mm DIA DISCHARGE STACKS, SOIL DISCHARGE PIPES, DRAINS AND STACK VENTS OF APPROVED MATERIAL. 50mm DIA SOIL DISCHARGE PIPES TO URINALS, 40 DIA WASTE DISCHARGE PIPES TO WASH HAND BASINS SHOWERS, BATHS, SINKS DISCHARGING TO SINGLE STACKS AND GULLY TO COMPLY WITH P29.

R - STORM WATER DISPOSAL:
A COMPLETE STORM WATER CONTROL AND DISPOSAL SYSTEM BASED ON A RATIONAL DESIGN WILL BE RETICULATED ON SITE.

T - FIRE PROTECTION:
FIRE PROTECTION PLANS TO BE PREPARED.

U - REFUSE DISPOSAL
STORAGE AREA FOR REFUSE DISPOSAL IS PROVIDED IN ACCORDANCE WITH THE REQUIREMENTS OF THE LOCAL AUTHORITY.

GENERAL NOTES:

- NO CONSTRUCTION WORK SHALL COMMENCE ON SITE PRIOR TO APPROVAL OF ARCHITECTURAL PLANS FROM THE LOCAL MUNICIPALITY
- ALL WORK TO COMPLY WITH SANS 10400
- ALL LEVELS AND DIMENSIONS TO BE CHECKED ON SITE PRIOR TO COMMENCEMENT OF ANY WORK
- ALL DISCREPANCIES TO BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE AUTHOR
- ALL PLUMBING BY REGISTERED CONTRACTOR
- ALL ELECTRICAL BY REGISTERED CONTRACTOR
- IF ON EXCAVATION IT IS FOUND TO CONTAIN EXPANSIVE CLAY, EXCESSIVE GROUND WATER OR OTHER POOR SOIL CONDITIONS, THEN ALL FOUNDATIONS ARE TO BE BUILT TO PROFESSIONAL ENGINEERS DETAILS AND UNDER HIS SUPERVISION
- FACE-BRICK PLINTH OR 1,000mm WIDE CONCRETE APRON TO BE PROVIDED AROUND BUILDING
- NO VEGETATION TO BE AFFECTED ON SITE
- BOUNDARY BEACONS TO BE EXPOSED AND DEMARKATED
- GLASS THICKNESS TO COMPLY WITH NN2
- SAFETY GLAZING IN ACCORDANCE WITH SANS REQUIRED
- ONLY FIGURED DIMENSIONS TO BE USED ON ALL DRAWINGS

No.	BY	DATE	REVISION

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CLIENT'S SIGNATURE



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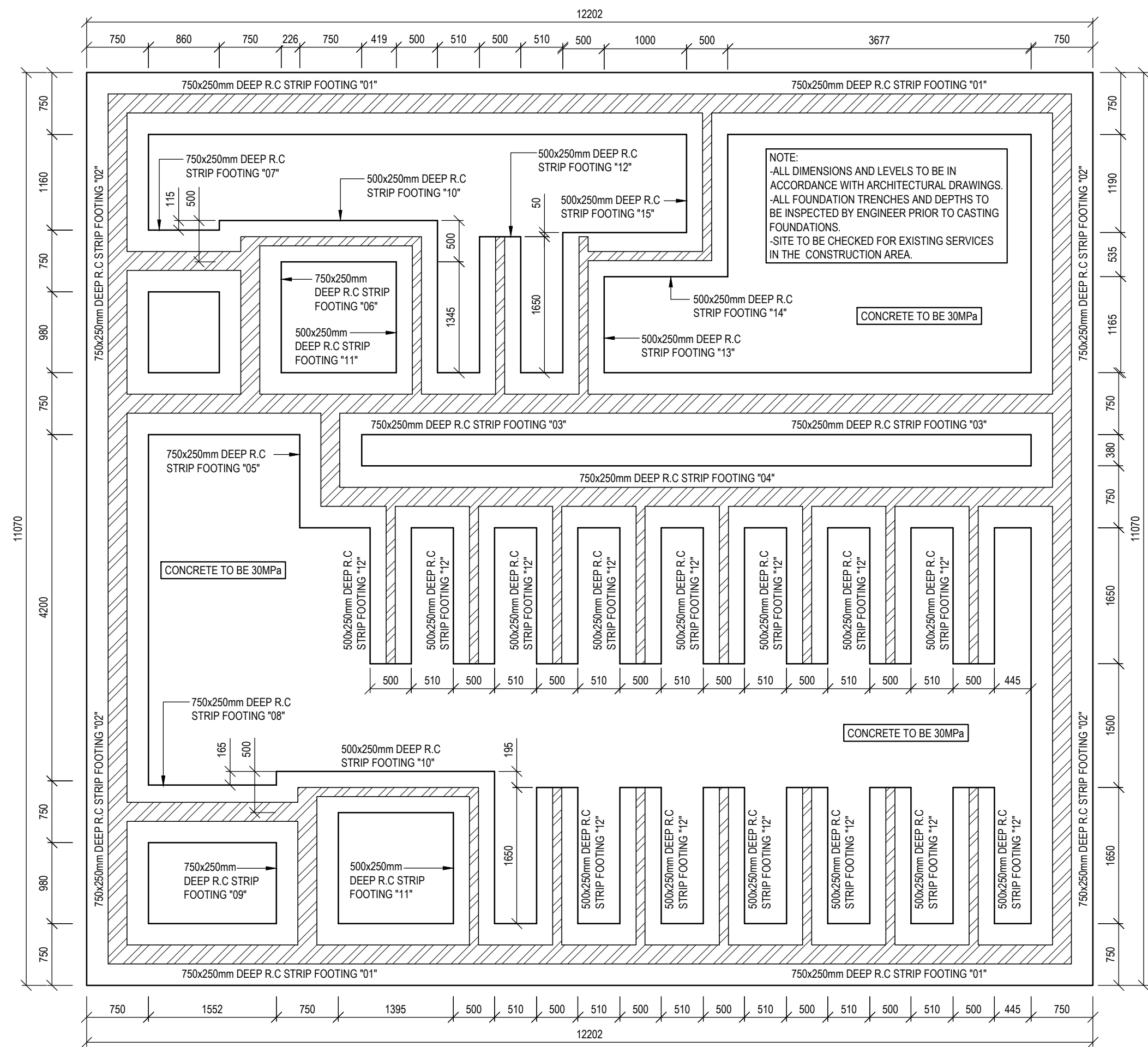
✉ P. O. BOX 455, PORT SHEPSTONE, 4240
e-mail: vhb@vhbassociates.co.za

PROJECT:
PROPOSED MPHUTHUMI MAFUMBATHA MULTI-PURPOSE CENTRE
FOR: WINNIE MADIKIZELA-MANDELA LOCAL MUNICIPALITY
CADASTRAL DESCRIPTION:
ERF 3084 & 3077 MBIZANA

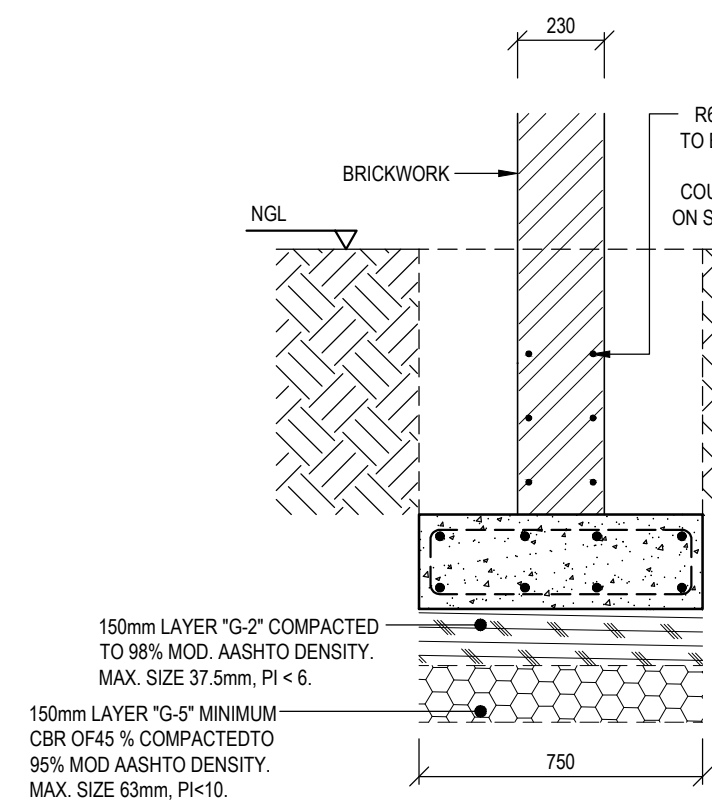
DRAWING:
FINISHING SCHEDULE

DESIGNED	V. BRIDGLALL	DATE	JUNE 2025
DRAWN	J. DUKE	SCALE	AS SHOWN
CHECKED	V. BRIDGLALL	SIZE	A1
JOB No.	MLM 05	SHEET No.	FS 01
		REV.	A

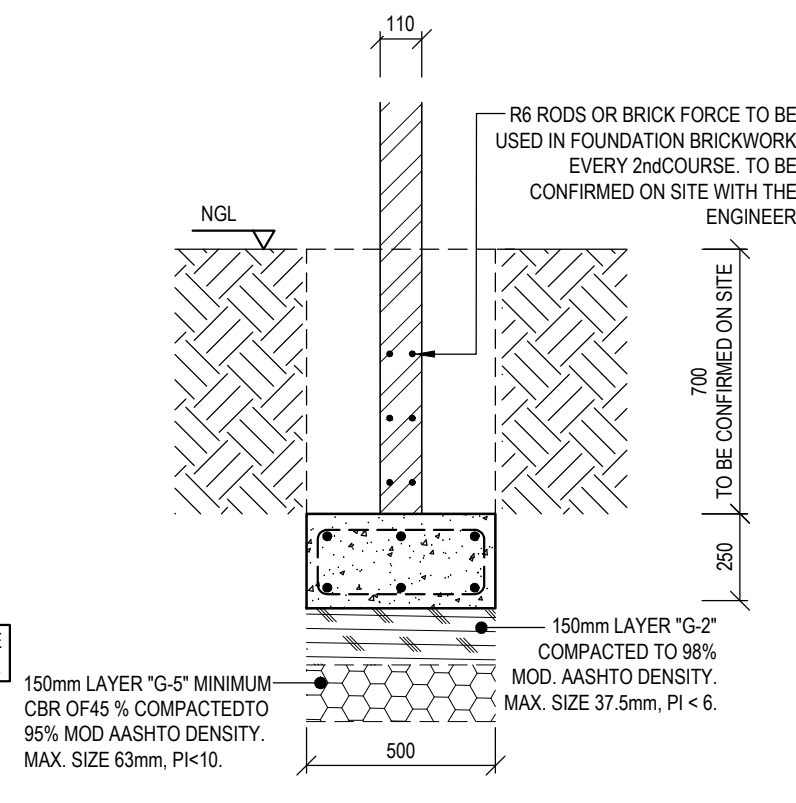
CIVIL & STRUCTURAL



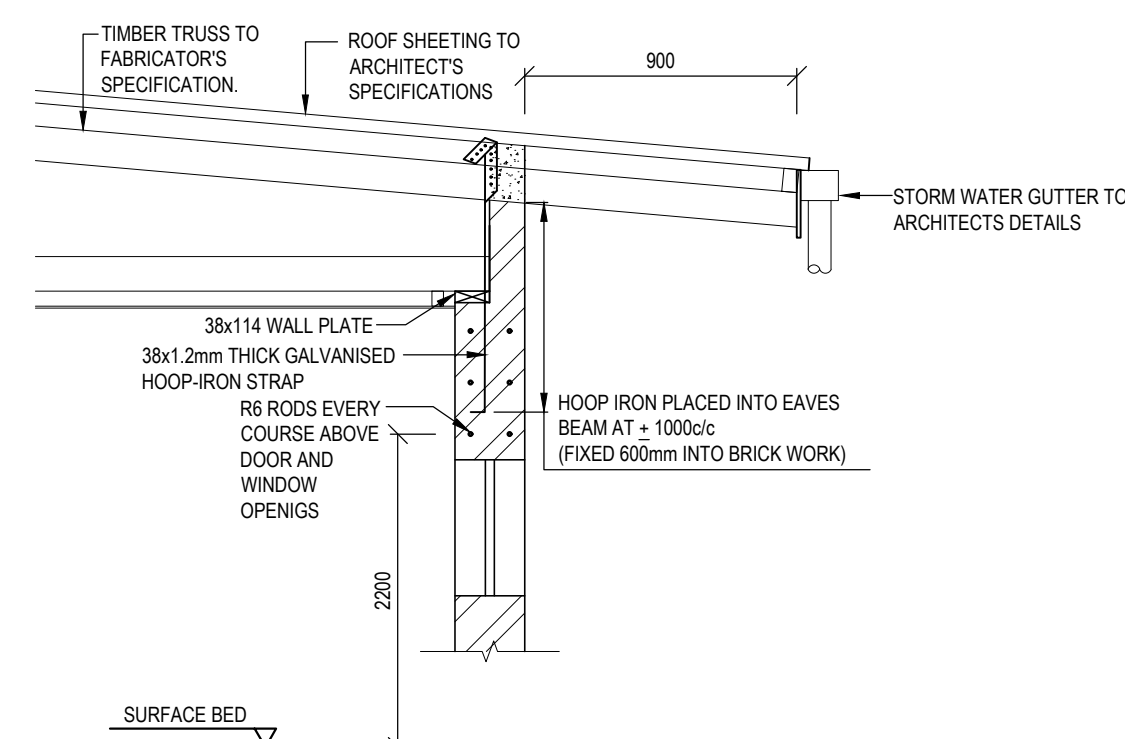
FOUNDATION LAYOUT
SCALE 1 : 50



STRIP FOOTING FOR 230mm WALL
SCALE 1 : 20

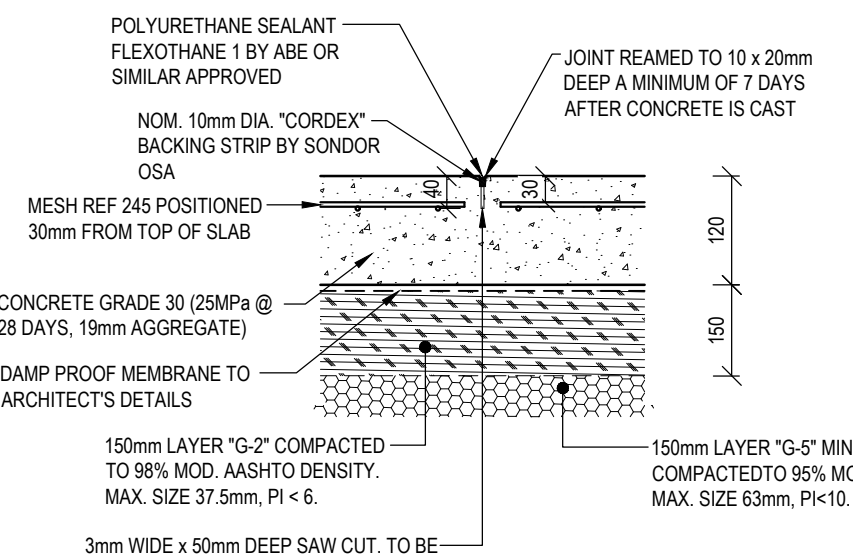


STRIP FOOTING FOR 110mm WALL
SCALE 1 : 20

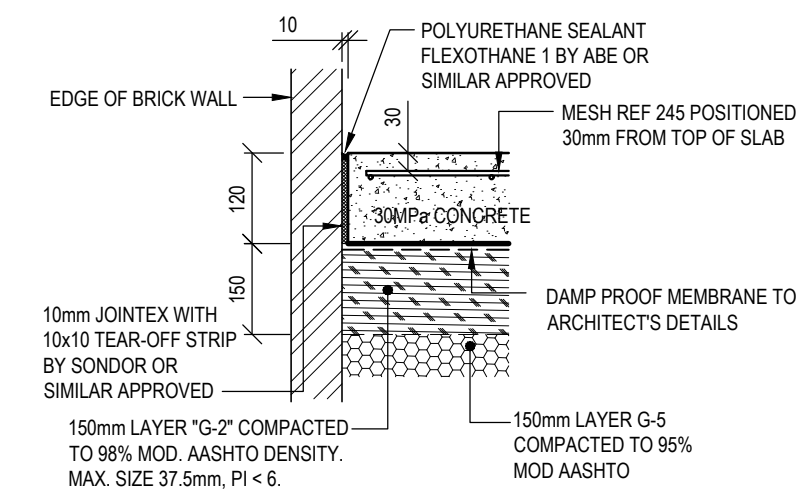


HOOP IRON DETAIL
SCALE 1 : 25

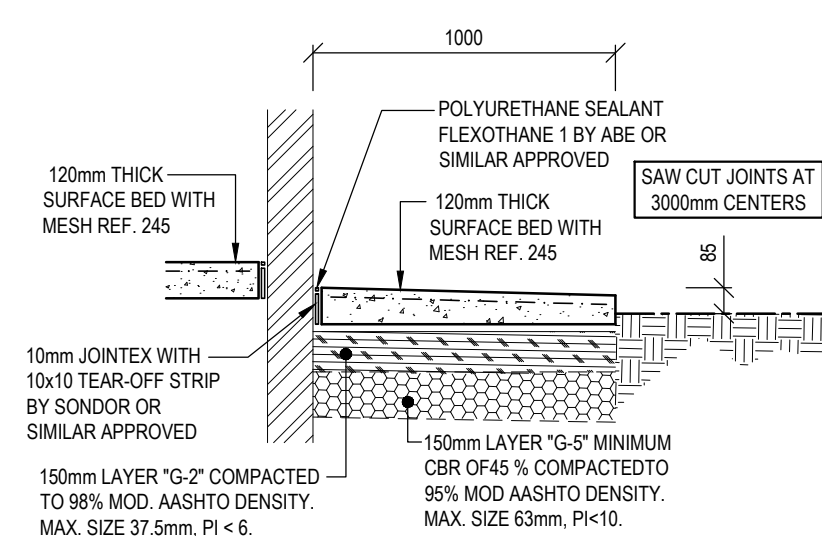
REINFORCING ESTIMATION:
• FOUNDATIONS = 80 Kg/m²



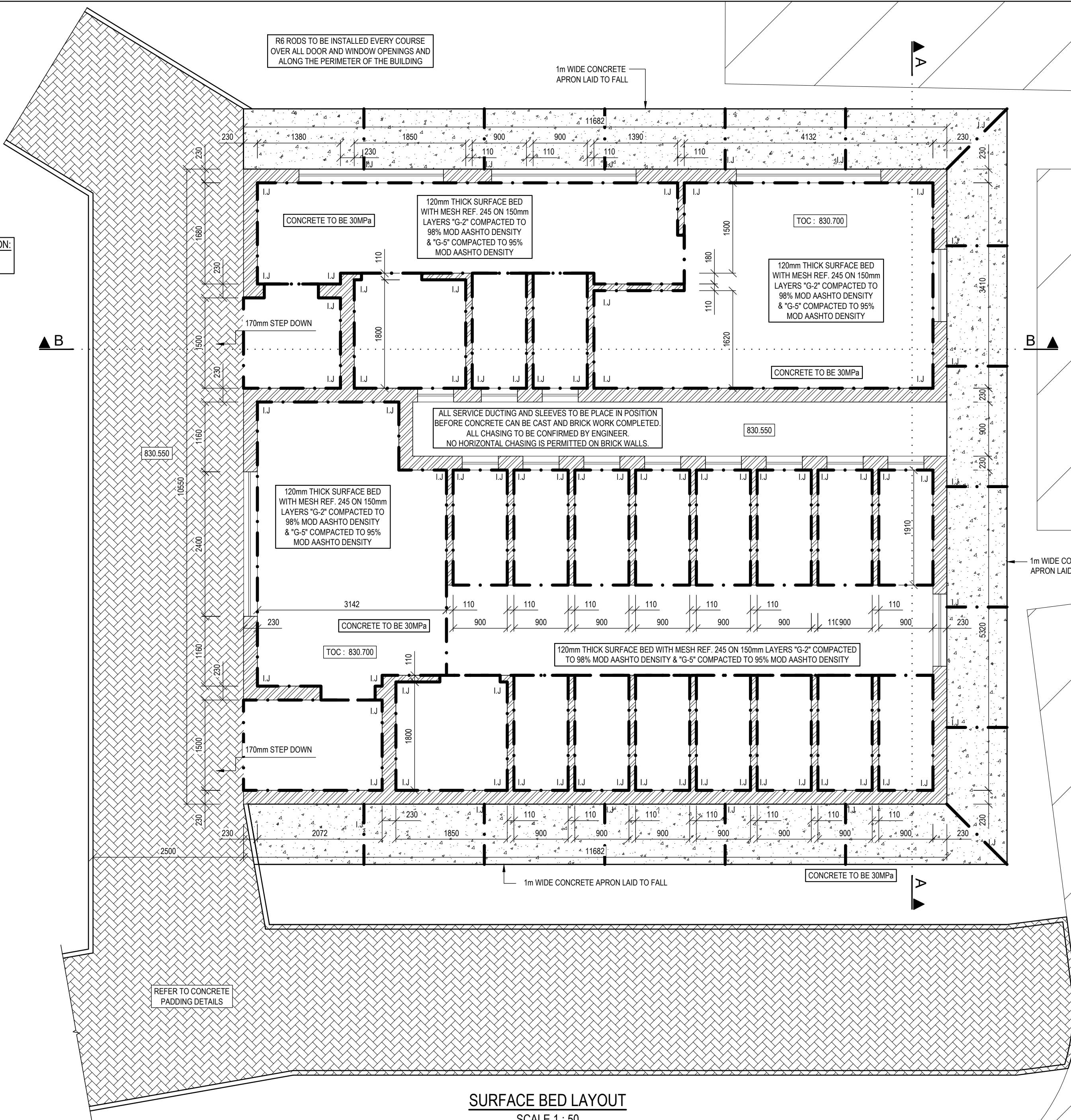
SAW CUT JOINT (S.J.)
SCALE 1 : 25



ISOLATION JOINT (I.J.)
SCALE 1 : 25



TYPICAL CONCRETE APRON
SCALE 1 : 25



SURFACE BED LAYOUT
SCALE 1 : 50

GENERAL NOTES:

- THIS DRAWING PROVIDES INFORMATION RELATED TO THE FORM OF WORKS WHEN COMPLETED TOGETHER WITH GUIDANCE. WHERE FUNDAMENTAL TO THE DESIGN, FOR THE SEQUENCE OF CONSTRUCTION. THIS DRAWING DOES NOT PURPORT TO INCLUDE ANY NECESSARY PRECAUTIONS, ITEMS OR COMPONENTS REQUIRED FOR CONSTRUCTION SAFETY. ALL SUCH PRECAUTIONS MUST BE TAKEN AND ITEMS OR COMPONENTS SUPPLIED BY THE CONTRACTOR.
- ALL WORK SHALL BE IN ACCORDANCE WITH SABS 1200 G CONCRETE & SANS 10400 IN CONJUNCTION WITH NBRC STANDARDS.
- NO CONSTRUCTION TO COMMENCE UNTIL THE MUNICIPALITY RELEVANT AUTHORITY / PROPERTY OWNER / WAY LEAVE HAS GRANTED APPROVAL OF THE DRAWINGS.
- READ THE DRAWINGS IN CONJUNCTION WITH THE ARCHITECTURAL DRAWINGS, ALL RELEVANT SPECIFICATIONS, AND SERVICE DRAWINGS. ANY UNCERTAINTIES IN THE SPECIFICATIONS OR ON DRAWINGS MUST BE REPORTED TO THE ENGINEER AS SOON AS POSSIBLE. ANY DISCREPANCIES BETWEEN THE SPECIFICATIONS AND THE DRAWINGS MUST BE REPORTED TO THE ENGINEER.
- ALL DIMENSION, LEVELS AND EXISTING SERVICES TO BE PROVEN AND CLEARLY MARKED BEFORE AND WORK CAN BEGIN.

CONCRETE NOTES:

- ALL DIMENSIONS ARE IN MILLIMETERS (mm) U.O.S..
- CONCRETE GRADES AT 28 DAYS :
BLINDING 10/19 MPa.
FOUNDATIONS, RETAINING WALLS, FLOOR SLABS, COLUMNS AND BEAMS 30/19 MPa UNLESS U.O.S.
- MINIMUM CHARACTERISTIC STRENGTH OF REINFORCEMENT IN MILD REINFORCING (R) = 250 MPa.
HIGH YIELD REINFORCING (Y) = 450 MPa (TYPE 2)
- UNLESS OTHER SHOWN, COVER TO OUTERMOST REINFORCEMENT IS:
FOUNDATIONS 40mm
SLAB -30mm
- FOUNDATION TRENCHES TO BE INSPECTED BY ENGINEER IN CHARGE PRIOR TO FIXING REINFORCING & POURING OF ANY CONCRETE.
- ALL REINFORCING TO BE INSPECTED BY ENGINEER IN CHARGE PRIOR TO POURING ANY CONCRETE.
- ALL SLEEVES & CONDUITS TO BE FIXED IN POSITION BEFORE CONCRETE CAN BE CAST. NO HOLES / NOTCHES / SLOTS TO BE FORMED IN CONCRETE UNLESS APPROVED BY THE ENGINEER.
- POURING OF CONCRETE DURING HOT OR COLD WEATHER MUST BE CARRIED OUT IN ACCORDANCE WITH THE APPROVED SPECIFICATION FROM SUPPLIER. METHOD STATEMENT FOR CURING TO BE SUBMITTED FOR APPROVAL.

NATIONAL BUILDING REGULATIONS:

ALL WORK TO BE CARRIED OUT IN ACCORDANCE WITH THE NATIONAL BUILDING REGULATIONS, ENVIRONMENTAL AND OCCUPATIONAL HEALTH AND SAFETY ACT, AND THE CONSTRUCTION REGULATIONS. THE MAIN CONTRACTOR IS TO ENSURE THAT A COMPETENT PERSON, APPROVED BY THE SOUTH AFRICAN QUALIFICATION AUTHORITY SUPERVISES AND APPROVES ALL ASPECTS OF THE REQUIREMENTS OF THE OCCUPATIONAL HEALTH AND SAFETY ACT. ALL TO COMPLY WITH THE LATEST REVISION.

FOUNDATION TRENCHES:

ENSURE THAT SHORING IN DEEP FOUNDATION EXCAVATION AND BANKS ARE BATTERED BACK TO A MINIMUM STABLE SLOPE OF 1:1.5. CONTRACTOR TO ENSURE EXCAVATIONS, EXISTING STRUCTURES & NEIGHBORING WALLS / BANKS ARE MADE SAFE BEFORE ANY WORK CAN COMMENCE.

ISSUED FOR TENDER

06-10-2025	ISSUED FOR TENDER	V.K.	B
26-09-2025	ISSUED FOR COSTING	V.K.	A
DATE	DESCRIPTION	BY	REV
DESIGN	V.K		
DRAWN	D.P		
CHECKED	D.N.		
DATE ISSUED	26-09-2025	SHEET SIZE	A1
SCALE AS SHOWN			

CONSULTANT	
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CLIENT:
WINNIE MADIKIZELA-MANDELA LOCAL MUNICIPALITY
PROJECT:
PROPOSED MPHUTHUMI MAFUMBATHA
MULTI-PURPOSE CENTRE : SPECTATOR ABLUTIONS
DRAWING DESCRIPTION:

LAYOUT, SECTIONS AND DETAILS			
PROJECT NUMBER	DRAWING NUMBER	DATE	REVISION
25131	301	06-10-2025	B

ENGINEERED LAYER WORKS: METHOD STATEMENT

METHOD STATEMENT FOR ENGINEERED LAYER WORKS TO BE CARRIED OUT FOR THE FOUNDATION, ALL AS PER THE GEO-TECHNICAL ENGINEERING REPORT RECEIVED.

AREA AROUND PROPOSED ELEVATED TANK:

- EXCAVATE 1.45M DEEP, 1000mm BEYOND THE PERIMETER OF THE STRUCTURES AND STOCK PILE FOR POSSIBLE FURTHER USE.
- THE IN-SITU/PLATFORM LEVEL MUST THEN BE WELL SATURATED AND THE WATER ALLOWED TO SOAK INTO THE GROUND AND COMPACTED TO 93% MOD AASHTO.
- RE-CONSTRUCT 1.45M OF EXCAVATED MATERIAL WITH 450mm "G7" MATERIAL IN A MAXIMUM OF 150MM LAYERS COMPACTED TO 95% MOD AASHTO. THEREAFTER CONSTRUCT 1000mm G5 MATERIAL IN A MAXIMUM OF 150MM LAYERS COMPACTED TO 98% MOD AASHTO.
- LAYERS TO BE WELL SATURATED THROUGHOUT THE PROCESS.
- ALL TO BE FREE OF VEGETATION, VEGETATED MATTER OR BUILDER'S RUBBLE.
- 2m DPL TESTS TO BE CARRIED OUT BY THE GEOTECHNICAL ENGINEER BEFORE AND DURING THE PROCESS. ALL TEST RESULTS TO BE SUBMITTED TO STRUCTURAL ENGINEERS FOR APPROVAL.
- ENSURE ALL STORM WATER IS DIVERTED AWAY FROM THE ELEVATED TOWER BASE.
- ALL FOUNDATIONS MUST BE FREE FROM ANY STORM WATER INFILTRATION.
- ALL REINFORCING TO BE INSPECTED BEFORE ANY CONCRETE CAN BE CAST.

REINFORCING ESTIMATION:

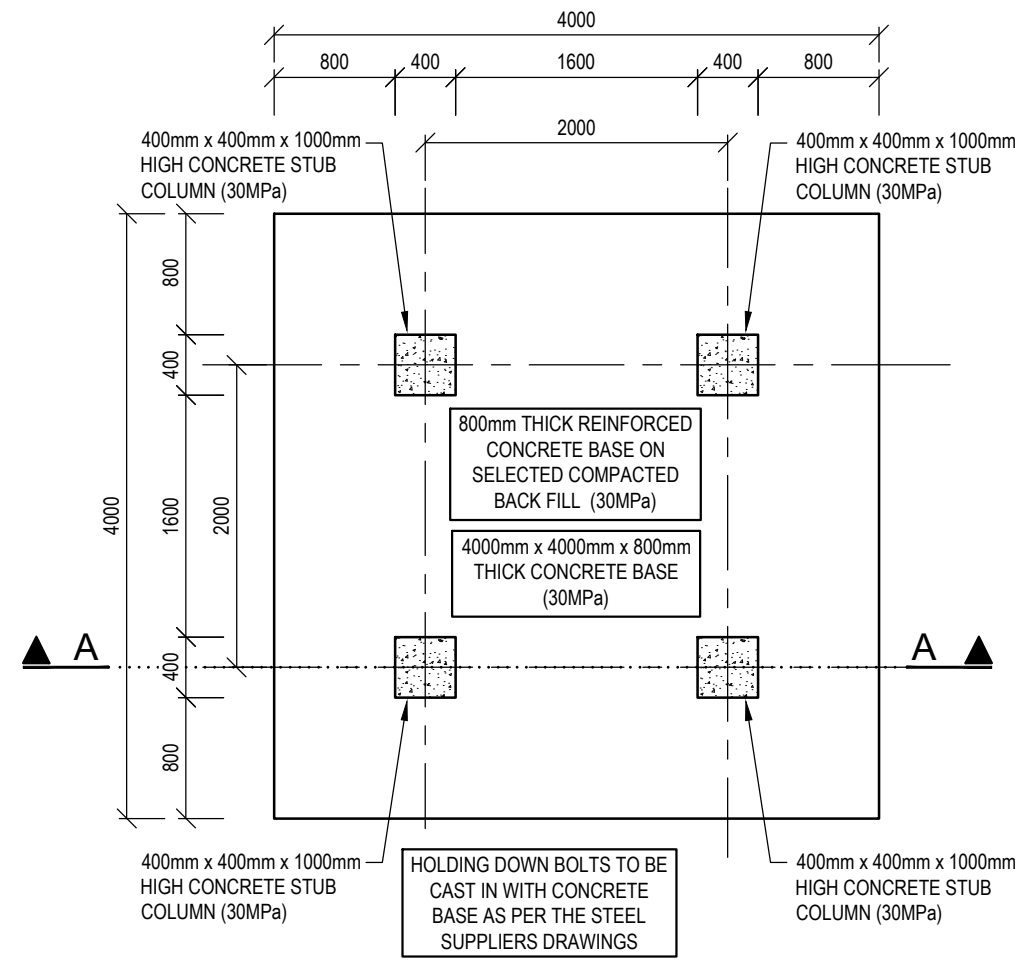
- BASES AND STUB COLUMNS = 150 Kg/m³

NOTE:
1. REMOVE THE TRANSPORTED IN-SITU (COMPRESSIBLE) MATERIAL TO 1M WIDER THAN THE FOOTPRINT OF WATER TANK FOUNDATIONS TO A DEPTH OF 1m.
2. ROOTS AND ORGANIC MATERIAL IN THE FOOTPRINT OF THE STRUCTURES MUST ALSO BE REMOVED AND DISPOSED OFF AT AN APPROVED SITE.

DRAINAGE MEASURES

WATER MUST BE KEPT AWAY FROM THE FOUNDATIONS. THE FOLLOWING DRAINAGE PRECAUTION MUST BE ADHERED TO:

- NO ACCUMULATION OF SURFACE WATER IS PERMITTED, AND THE ENTIRE DEVELOPMENT MUST BE PROPERLY DRAINED.
- NO PONDING OF SURFACE WATER SHOULD OCCUR NEAR THE FOUNDATIONS OF THE BUILDINGS DURING AND AFTER CONSTRUCTION.
- ALL TRENCHES AND EXCAVATION WORKS MUST BE PROPERLY BACKFILLED AND COMPACTED IN ORDER TO PREVENT THEM FROM FUNCTIONING AS FRENCH DRAINS.
- BACKFILLING SHOULD BE DONE AT OPTIMUM MOISTURE CONTENT, IN A MAXIMUM OF 150mm THICK LAYERS TO AT LEAST 93% OF MODIFIED AASHTO DENSITY.



ELEVATED TANK: FOUNDATION LAYOUT

No OFF = 03
SCALE 1 : 50

NOTE:
-ALL DIMENSIONS AND LEVELS TO BE IN ACCORDANCE WITH ARCHITECTURAL DRAWINGS.
-ALL FOUNDATION TRENCHES AND DEPTHS TO BE INSPECTED BY ENGINEER PRIOR TO CASTING FOUNDATIONS.
-SITE TO BE CHECKED FOR EXISTING SERVICES IN THE NEW CONSTRUCTION AREA.

ENSURE THAT SHORING IN DEEP FOUNDATION EXCAVATION AND BANKS ARE BATTERED BACK TO A MINIMUM STABLE SLOPE OF 1:1.5. CONTRACTOR TO ENSURE EXCAVATIONS, EXISTING STRUCTURES & NEIGHBORING WALLS / BANKS ARE MADE SAFE BEFORE ANY WORK CAN COMMENCE.

NATIONAL BUILDING REGULATIONS:

ALL WORK TO BE CARRIED OUT IN ACCORDANCE WITH THE NATIONAL BUILDING REGULATIONS, ENVIRONMENTAL AND OCCUPATIONAL HEALTH AND SAFETY ACT, AND THE CONSTRUCTION REGULATIONS.

THE MAIN CONTRACTOR IS TO ENSURE THAT A COMPETENT PERSON, APPROVED BY THE SOUTH AFRICAN QUALIFICATION AUTHORITY SUPERVISES AND APPROVES ALL ASPECTS OF THE REQUIREMENTS OF THE OCCUPATIONAL HEALTH AND SAFETY ACT. ALL TO COMPLY WITH THE LATEST REVISION.

COLLAPSIBLE SOILS:

- WHERE COLLAPSIBLE SOILS EXIST, A PROVISION OF IMPORTED MATERIAL TO BE ALLOWED FOR, AND TO INCLUDE TESTING OF EACH LAYER TO ENSURE THE REQUIRES MOD ASSHTO DESITY IS ACHIEVED.
- FOR ALL EXCAVATIONS RESULTING IN DEPTHS EXCEEDING 1.5m, AN ALLOW FOR SHORING TO BE MADE AS WELL AS STRICT SAFETY MEASURES TO BE OUT WITH THE APPROVAL OF THE HEALTH AND SAFETY PROFESSIONAL.
- ALL LATERAL SUPPORT DESIGNS TO BE SUBMITTED TO THE ENGINEER FOR APPROVAL PRIOR.

MATERIAL TESTING AND COMPACTION

- CONCRETE CUBE TESTS TO BE TAKEN AND CRUSHED AT 7, 14 & 28 DAYS. TEST RESULTS TO BE FORWARDED TO THE STRUCTURAL ENGINEER FOR APPROVAL. ONLY UPON APPROVAL CAN SHUTTERING & PROPPING BE STRUCK.
- SCAFFOLDING PROPS TO REMAIN IN PLACE UNTIL CONCRETE CUBE TESTS HAVE BEEN APPROVED BY THE STRUCTURAL ENGINEER. MINIMUM OF 28 DAYS.
- COMPACTION TEST RESULTS TESTS TO BE FORWARDED TO THE ENGINEER FOR APPROVAL. FOR ENGINEER LAYER WORKS, RESULTS TO BE APPROVED BY THE ENGINEER PRIOR TO PROCEEDING WITH LAYER WORKS ABOVE.

ENGINEERED LAYER WORKS: METHOD STATEMENT

METHOD STATEMENT FOR ENGINEERED LAYER WORKS TO BE CARRIED OUT FOR THE FOUNDATION, ALL AS PER THE GEO-TECHNICAL ENGINEERING REPORT RECEIVED.

AREA AROUND PROPOSED ELEVATED TANK:

- EXCAVATE 1.45M DEEP, 1000mm BEYOND THE PERIMETER OF THE STRUCTURES AND STOCK PILE FOR POSSIBLE FURTHER USE.
- THE IN-SITU/PLATFORM LEVEL MUST THEN BE WELL SATURATED AND THE WATER ALLOWED TO SOAK INTO THE GROUND AND COMPACTED TO 93% MOD AASHTO.
- RE-CONSTRUCT 1.45M OF EXCAVATED MATERIAL WITH 450mm "G7" MATERIAL IN A MAXIMUM OF 150MM LAYERS COMPACTED TO 95% MOD AASHTO. THEREAFTER CONSTRUCT 1000mm G5 MATERIAL IN A MAXIMUM OF 150MM LAYERS COMPACTED TO 98% MOD AASHTO.
- LAYERS TO BE WELL SATURATED THROUGHOUT THE PROCESS.
- ALL TO BE FREE OF VEGETATION, VEGETATED MATTER OR BUILDER'S RUBBLE.
- 2m DPL TESTS TO BE CARRIED OUT BY THE GEOTECHNICAL ENGINEER BEFORE AND DURING THE PROCESS. ALL TEST RESULTS TO BE SUBMITTED TO STRUCTURAL ENGINEERS FOR APPROVAL.
- ENSURE ALL STORM WATER IS DIVERTED AWAY FROM THE ELEVATED TOWER BASE.
- ALL FOUNDATIONS MUST BE FREE FROM ANY STORM WATER INFILTRATION.
- ALL REINFORCING TO BE INSPECTED BEFORE ANY CONCRETE CAN BE CAST.

GENERAL NOTES:

- THIS DRAWING PROVIDES INFORMATION RELATED TO THE FORM OF WORKS WHEN COMPLETED TOGETHER WITH GUIDANCE, WHERE FUNDAMENTAL TO THE DESIGN, FOR THE SEQUENCE OF CONSTRUCTION. THIS DRAWING DOES NOT PURPORT TO INCLUDE ANY NECESSARY PRECAUTIONS, ITEMS OR COMPONENTS REQUIRED FOR CONSTRUCTION SAFETY. ALL SUCH PRECAUTIONS MUST BE TAKEN AND ITEMS OR COMPONENTS SUPPLIED BY THE CONTRACTOR.
- ALL WORK SHALL BE IN ACCORDANCE WITH SABS 1200 G CONCRETE & SANS 10400 IN CONJUNCTION WITH NHBCR STANDARDS.
- NO CONSTRUCTION TO COMMENCE UNTIL THE MUNICIPALITY RELEVANT AUTHORITY / PROPERTY OWNER / WAY LEAVE HAS GRANTED APPROVAL OF THE DRAWINGS.
- READ THE DRAWINGS IN CONJUNCTION WITH THE ARCHITECTURAL DRAWINGS, ALL RELEVANT SPECIFICATIONS, AND SERVICE DRAWINGS. ANY UNCERTAINTIES IN THE SPECIFICATIONS OR ON DRAWINGS MUST BE REPORTED TO THE ENGINEER AS SOON AS POSSIBLE. ANY DISCREPANCIES BETWEEN THE SPECIFICATIONS AND THE DRAWING MUST BE REPORTED TO THE ENGINEER.
- THESE DRAWINGS MAY NOT BE COPIED OR RE-USED WITHOUT THE WRITTEN CONSENT OF THE ENGINEER.
- ALL DIMENSION, LEVELS AND EXISTING SERVICES TO BE PROVEN AND CLEARLY MARKED BEFORE AND WORK CAN BEGIN.

CONCRETE NOTES:

- ALL DIMENSIONS ARE IN MILLIMETERS (mm) U.O.S..
- CONCRETE GRADES AT 28 DAYS :
BLINDING 10/19 MPa.
FOUNDATIONS, RETAINING WALLS, FLOOR SLABS, COLUMNS AND BEAMS 30/19 MPa UNLESS U.O.S.
- UNLESS OTHERWISE SHOWN, PROVIDE 25x25 CHAMFER, ON EXTERNAL CORNER OF EXPOSED CONCRETE SURFACES LESS THAN 120 DEGREES.
- UNLESS OTHER SHOWN, COVER TO OUTERMOST REINFORCEMENT IS:
FOUNDATIONS 40mm
SLAB - 30mm
BEAMS - 30mm,
COLUMNS - 30mm
- FOUNDATION TRENCHES TO BE INSPECTED BY ENGINEER IN CHARGE PRIOR TO FIXING REINFORCING & POURING OF ANY CONCRETE.
- WHERE REQUIRED ALL EXPOSED CONCRETE ROOF SLABS TO RECEIVE PENETRON ADMIXTURE OR SIMILAR APPROVED.
- ALL SLEEVES & CONDUITS TO BE FIXED IN POSITION BEFORE CONCRETE CAN BE CAST. NO HOLES / NOTCHES / SLOTS TO BE FORMED IN CONCRETE UNLESS APPROVED BY THE ENGINEER.
- REMOVAL OF SHUTTERING & BACK PROPPING TO BE DONE IN ACCORDANCE TO SPECIFICATIONS.

FOUNDATION TRENCHES:

ENSURE THAT SHORING IN DEEP FOUNDATION EXCAVATION AND BANKS ARE BATTERED BACK TO A MINIMUM STABLE SLOPE OF 1:1.5.
CONTRACTOR TO ENSURE EXCAVATIONS, EXISTING STRUCTURES & NEIGHBORING WALLS / BANKS ARE MADE SAFE BEFORE ANY WORK CAN COMMENCE.

ISSUED FOR TENDER

07-10-2025	ISSUED FOR TENDER	V.K.	B
26-09-2025	ISSUED FOR COSTING	V.K.	A
DATE	DESCRIPTION	BY	REV
DESIGN	V.K		
DRAWN	A.H.		
CHECKED	D.N.		
DATE ISSUED	26-09-2025	SHEET SIZE	A1
		SCALE	AS SHOWN

CONSULTANT



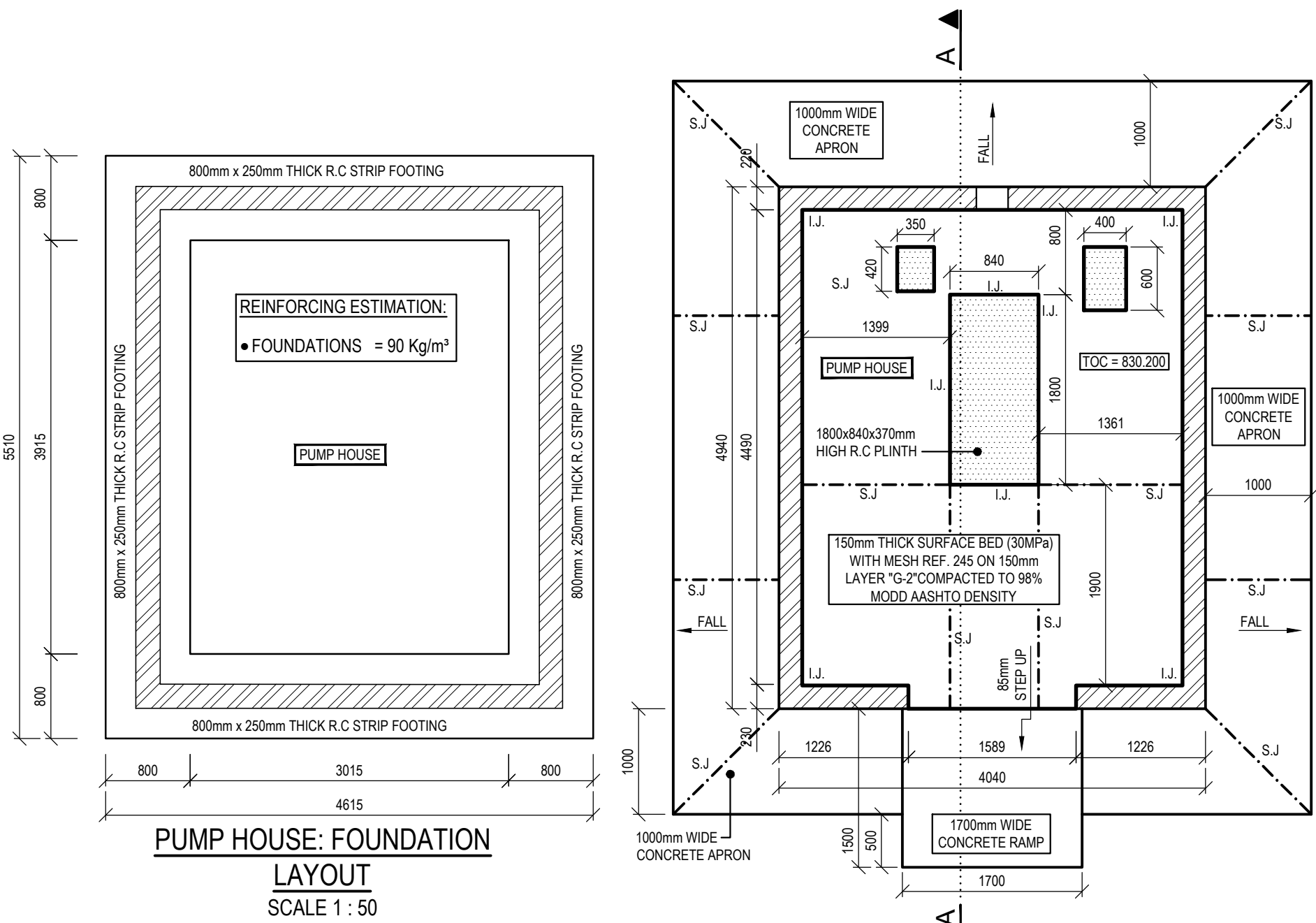
215 ALPINE ROAD
SPRINGFIELD, DURBAN 4001
031 207 2926 | 082 468 6381 |
Veshall.K@kda.org.za

54 WOODPECKER ROAD,
MOUNTVIEW,
PIETERMARITZBURG, 3201
033 387 1730 | 084 988 4693 |
dhanashan@kda.org.za

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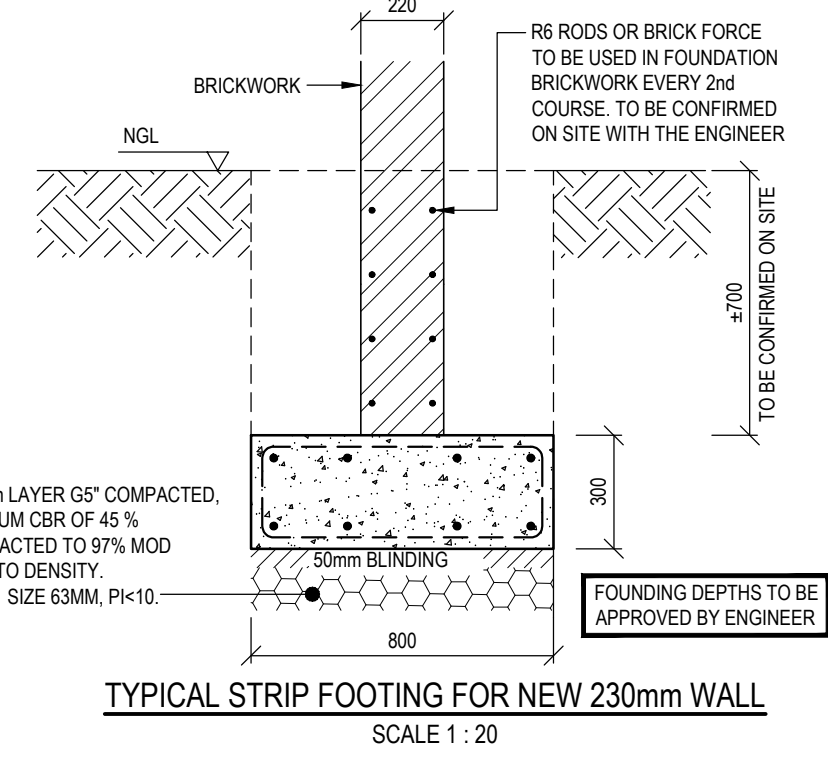
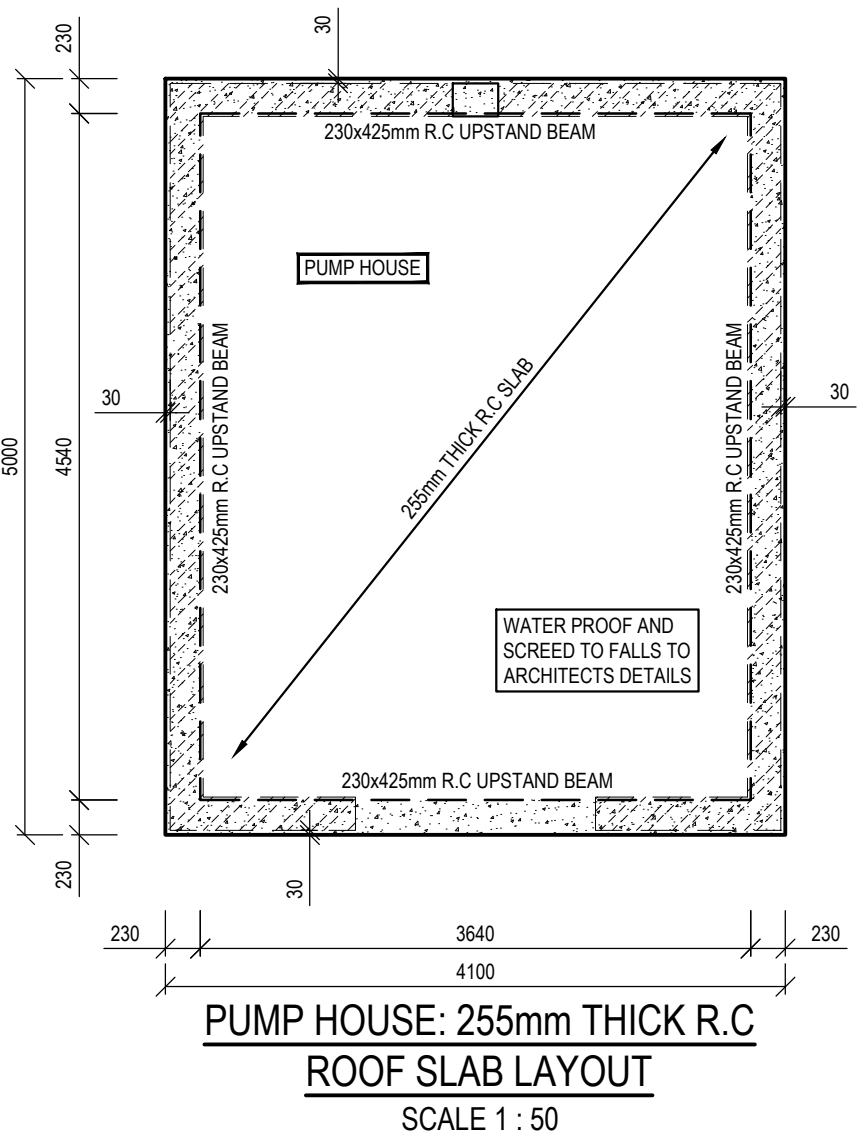
CLIENT:
WINNIE MADIKIZELA-MANDELA LOCAL MUNICIPALITY
PROJECT:
PROPOSED MPHUTHUMI MAFUMBATHA
MULTI-PURPOSE CENTRE : SPECTATOR ABLUTIONS
DRAWING DESCRIPTION:
ELEVATED TANK: FOUNDATION LAYOUT, SECTIONS AND DETAILS

PROJECT NUMBER	DRAWING NUMBER	DATE	REVISION
25131	303	07-10-2025	B



NOTE:
- ALL DIMENSIONS AND LEVELS TO BE IN ACCORDANCE WITH ARCHITECTURAL DRAWINGS.
- ALL FOUNDATION TRENCHES AND DEPTHS TO BE INSPECTED BY ENGINEER PRIOR TO CASTING FOUNDATIONS.
- SITE TO BE CHECKED FOR EXISTING SERVICES IN THE NEW CONSTRUCTION AREA.

ENSURE THAT SHORING IN DEEP FOUNDATION EXCAVATION AND BANKS ARE BATTERED BACK TO A MINIMUM STABLE SLOPE OF 1:1.5. CONTRACTOR TO ENSURE EXCAVATIONS ARE MADE SAFE BEFORE ANY WORK CAN COMMENCE.



NATIONAL BUILDING REGULATIONS:

ALL WORK TO BE CARRIED OUT IN ACCORDANCE WITH THE NATIONAL BUILDING REGULATIONS, ENVIRONMENTAL AND OCCUPATIONAL HEALTH AND SAFETY ACT, AND THE CONSTRUCTION REGULATIONS.

THE MAIN CONTRACTOR IS TO ENSURE THAT A COMPETENT PERSON, APPROVED BY THE SOUTH AFRICAN QUALIFICATION AUTHORITY SUPERVISES AND APPROVES ALL ASPECTS OF THE REQUIREMENTS OF THE OCCUPATIONAL HEALTH AND SAFETY ACT. ALL TO COMPLY WITH THE LATEST REVISION.

COLLAPSIBLE SOILS:

1. WHERE COLLAPSIBLE SOILS EXIST, A PROVISION OF IMPORTED MATERIAL TO BE ALLOWED FOR, AND TO INCLUDE TESTING OF EACH LAYER TO ENSURE THE REQUIRES MOD ASSHTO DESITY IS ACHIEVED.

2. FOR ALL EXCAVATIONS RESULTING IN DEPTHS EXCEEDING 1.5m, AN ALLOW FOR SHORING TO BE MADE AS WELL AS STRICT SAFETY MEASURES TO BE OUT WITH THE APPROVAL OF THE HEALTH AND SAFETY PROFESSIONAL.

3. ALL LATERAL SUPPORT DESIGNS TO BE SUBMITTED TO THE ENGINEER FOR APPROVAL PRIOR.

MATERIAL TESTING AND COMPACTION

1. CONCRETE CUBE TESTS TO BE TAKEN AND CRUSHED AT 7, 14 & 28 DAYS. TEST RESULTS TO BE FORWARDED TO THE STRUCTURAL ENGINEER FOR APPROVAL. ONLY UPON APPROVAL CAN SHUTTERING & PROPPING BE STRUCK.

2. SCAFFOLDING PROPS TO REMAIN IN PLACE UNTIL CONCRETE CUBE TESTS HAVE BEEN APPROVED BY THE STRUCTURAL ENGINEER. MINIMUM OF 28 DAYS.

3. COMPACTION TEST RESULTS TESTS TO BE FORWARDED TO THE ENGINEER FOR APPROVAL. FOR ENGINEERED LAYER WORKS, RESULTS TO BE APPROVED BY THE ENGINEER PRIOR TO PROCEEDING WITH LAYER WORKS ABOVE.

GENERAL NOTES:

1. THIS DRAWING PROVIDES INFORMATION RELATED TO THE FORM OF WORKS WHEN COMPLETED TOGETHER WITH GUIDANCE, WHERE FUNDAMENTAL TO THE DESIGN, FOR THE SEQUENCE OF CONSTRUCTION. THIS DRAWING DOES NOT PURPORT TO INCLUDE ANY NECESSARY PRECAUTIONS, ITEMS OR COMPONENTS REQUIRED FOR CONSTRUCTION SAFETY. ALL SUCH PRECAUTIONS MUST BE TAKEN AND ITEMS OR COMPONENTS SUPPLIED BY THE CONTRACTOR.

2. ALL WORK SHALL BE IN ACCORDANCE WITH SABS 1200 G CONCRETE & SANS 10400 IN CONJUNCTION WITH NHBCRC STANDARDS.

3. NO CONSTRUCTION TO COMMENCE UNTIL THE MUNICIPALITY RELEVANT AUTHORITY / PROPERTY OWNER / WAY LEAVE HAS GRANTED APPROVAL OF THE DRAWINGS.

4. READ THE DRAWINGS IN CONJUNCTION WITH THE ARCHITECTURAL DRAWINGS, ALL RELEVANT SPECIFICATIONS, AND SERVICE DRAWINGS. ANY UNCERTAINTIES IN THE SPECIFICATIONS OR ON DRAWINGS MUST BE REPORTED TO THE ENGINEER AS SOON AS POSSIBLE. ANY DISCREPANCIES BETWEEN THE SPECIFICATIONS AND THE DRAWING MUST BE REPORTED TO THE ENGINEER.

5. THESE DRAWINGS MAY NOT BE COPIED OR RE-USED WITHOUT THE WRITTEN CONSENT OF THE ENGINEER.

6. ALL DIMENSION, LEVELS AND EXISTING SERVICES TO BE PROVEN AND CLEARLY MARKED BEFORE AND WORK CAN BEGIN.

CONCRETE NOTES:

1. ALL DIMENSIONS ARE IN MILLIMETERS (mm) U.O.S.

2. CONCRETE GRADES AT 28 DAYS :
BLINDING 10/19 MPa
FOUNDATIONS, RETAINING WALLS, FLOOR SLABS, COLUMNS AND BEAMS 30/19 MPa UNLESS U.O.S.

3. UNLESS OTHERWISE SHOWN, PROVIDE 25x25 CHAMFER, ON EXTERNAL CORNER OF EXPOSED CONCRETE SURFACES LESS THAN 120 DEGREES.

4. UNLESS OTHER SHOWN, COVER TO OUTERMOST REINFORCEMENT IS:
FOUNDATIONS 40mm
SLAB - 30mm
BEAMS - 30mm
COLUMNS - 30mm

5. FOUNDATION TRENCHES TO BE INSPECTED BY ENGINEER IN CHARGE PRIOR TO FIXING REINFORCING & POURING OF ANY CONCRETE.

6. WHERE REQUIRED ALL EXPOSED CONCRETE ROOF SLABS TO RECEIVE PENETRON ADMIXTURE OR SIMILAR APPROVED.

7. ALL SLEEVES & CONDUITS TO BE FIXED IN POSITION BEFORE CONCRETE CAN BE CAST. NO HOLES / NOTCHES / SLOTS TO BE FORMED IN CONCRETE UNLESS APPROVED BY THE ENGINEER.

8. REMOVAL OF SHUTTERING & BACK PROPPING TO BE DONE IN ACCORDANCE TO SPECIFICATIONS.

FOUNDATION TRENCHES:

ENSURE THAT SHORING IN DEEP FOUNDATION EXCAVATION AND BANKS ARE BATTERED BACK TO A MINIMUM STABLE SLOPE OF 1:1.5.

CONTRACTOR TO ENSURE EXCAVATIONS, EXISTING STRUCTURES & NEIGHBORING WALLS / BANKS ARE MADE SAFE BEFORE ANY WORK CAN COMMENCE.

ISSUED FOR TENDER

07-10-2025	ISSUED FOR TENDER	V.K.	C
06-10-2025	ISSUED FOR TENDER	V.K.	B
26-09-2025	ISSUED FOR COSTING	V.K.	A
DATE	DESCRIPTION	BY	REV
DESIGN	V.K		
DRAWN	A.H.		
CHECKED	D.N.		
DATE ISSUED	26-09-2025	SHEET SIZE	A1
SCALE AS SHOWN			

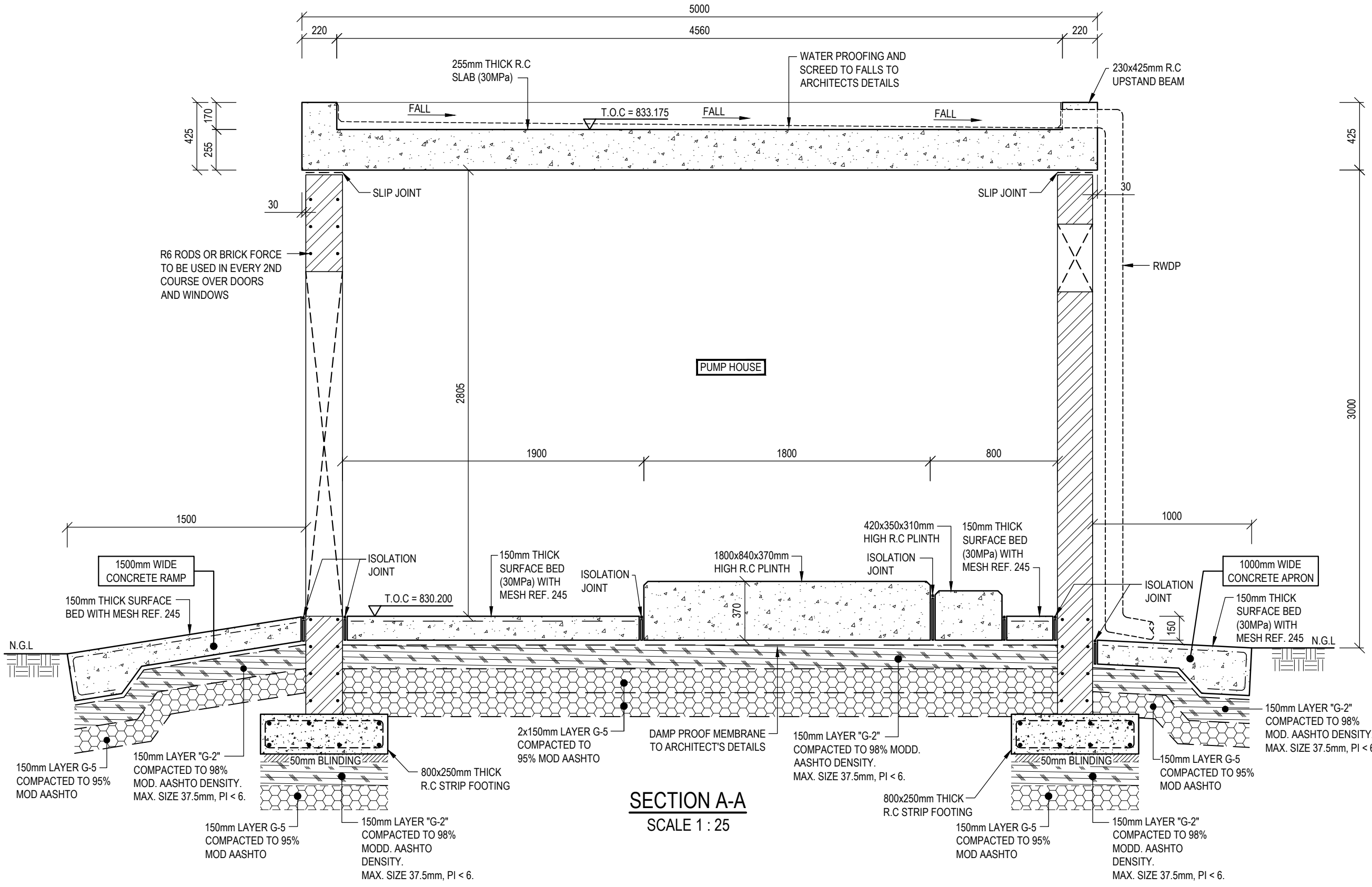
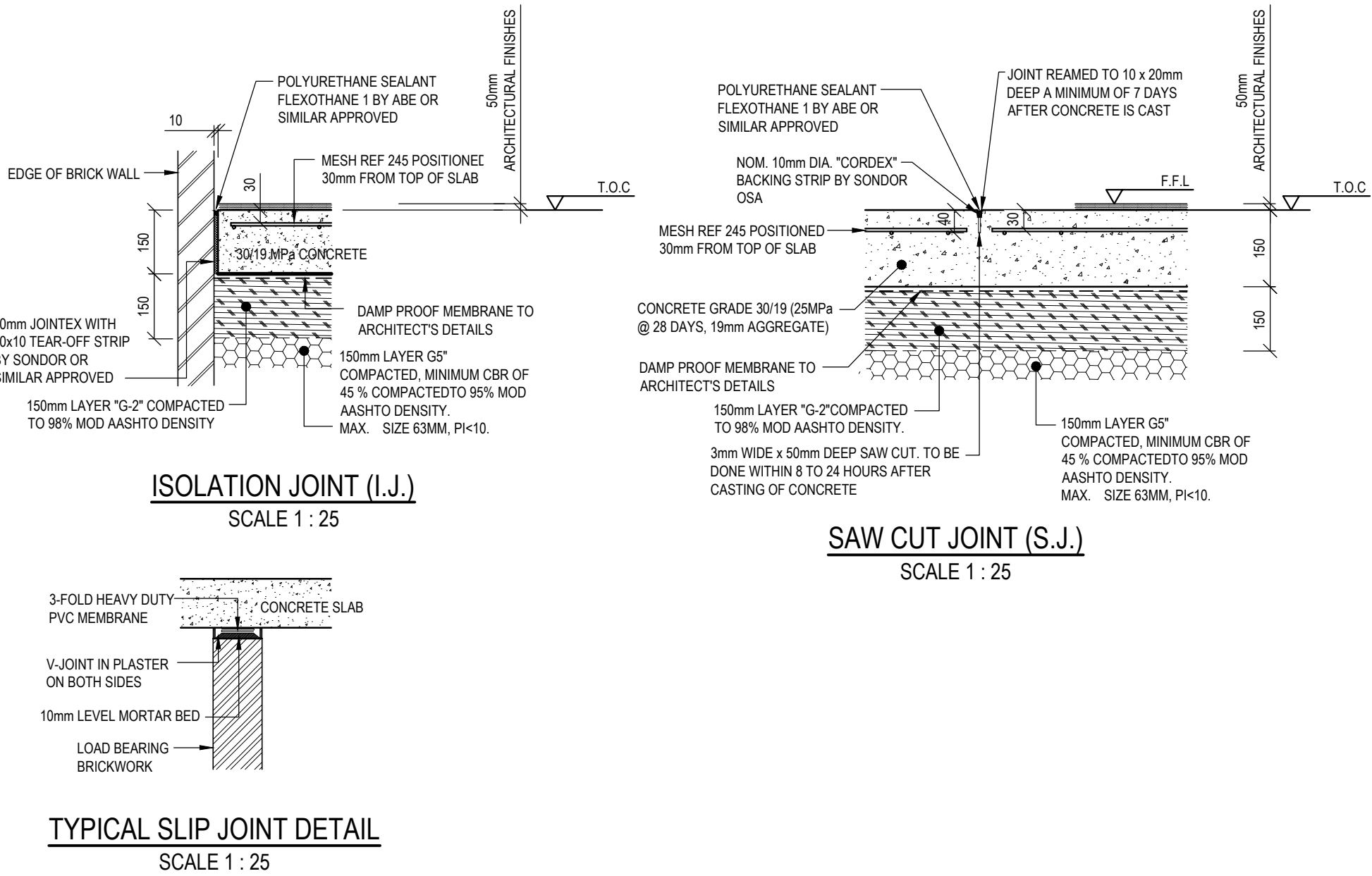
CONSULTANT

 Consulting Engineers Pty (Ltd) CONSULTANTS, ENGINEERS, PROJECT MANAGEMENT SERVICES Pietermaritzburg - Durban - Port Shepstone - Eastern Cape	215 ALPINE ROAD SPRINGFIELD, DURBAN 4091 031 207 2926 082 468 6381 Veshall.K@kda.org.za
54 WOODPECKER ROAD, MOUNTVIEW PIETERMARITZBURG, 3201 033 387 1730 084 988 4693 dhanashan@kda.org.za	

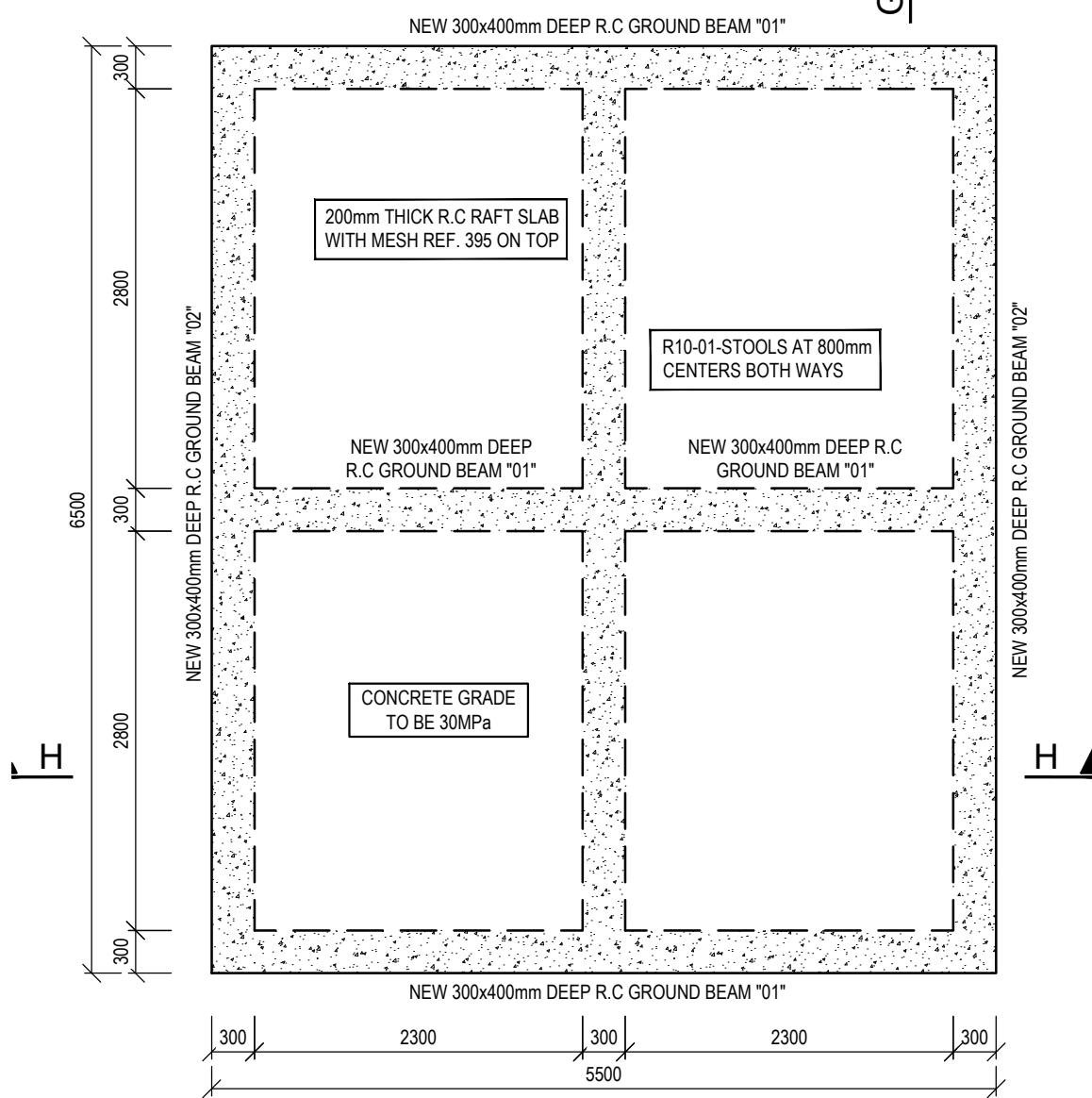
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CLIENT:
WINNIE MADIKIZELA-MANDELA LOCAL MUNICIPALITY
PROJECT:
PROPOSED MPHUTHUMI MAFUMBATHA
MULTI-PURPOSE CENTRE : SPECTATOR ABLUTIONS
DRAWING DESCRIPTION:
PUMP HOUSE: FOUNDATION & SURFACE BED LAYOUTS, SECTIONS AND DETAILS

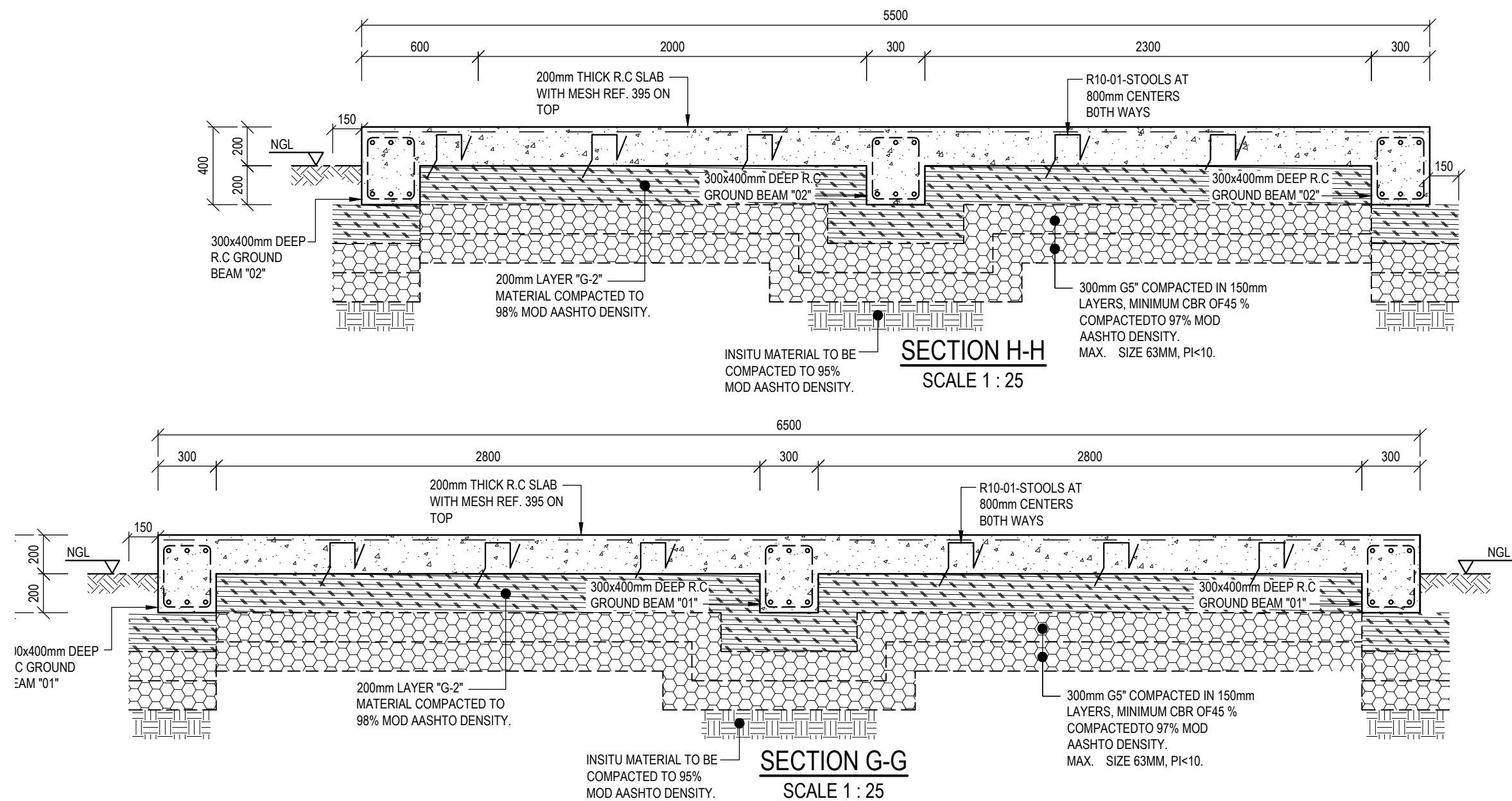
PROJECT NUMBER	DRAWING NUMBER	DATE	REVISION
25131	304	07-10-2025	C



REINFORCING ESTIMATION:
• RAFT SLAB & BEAMS = 120 Kg/m³



STORAGE CONTAINER: PROPOSED RAFT SLAB LAYOUT
SCALE 1 : 50



NATIONAL BUILDING REGULATIONS:

ALL WORK TO BE CARRIED OUT IN ACCORDANCE WITH THE NATIONAL BUILDING REGULATIONS, ENVIRONMENTAL AND OCCUPATIONAL HEALTH AND SAFETY ACT, AND THE CONSTRUCTION REGULATIONS.

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- FOR ALL EXCAVATIONS RESULTING IN DEPTHS EXCEEDING 1.5m, AN ALLOW FOR SHORING TO BE MADE AS WELL AS STRICT SAFETY MEASURES TO BE OUT WITH THE APPROVAL OF THE HEALTH AND SAFETY PROFESSIONAL.
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- CONCRETE CUBE TESTS TO BE TAKEN AND CRUSHED AT 7, 14 & 28 DAYS. TEST RESULTS TO BE FORWARDED TO THE STRUCTURAL ENGINEER FOR APPROVAL. ONLY UPON APPROVAL CAN SHUTTERING & PROPPING BE STRUCK.
- SCAFFOLDING PROPS TO REMAIN IN PLACE UNTIL CONCRETE CUBE TESTS HAVE BEEN APPROVED BY THE STRUCTURAL ENGINEER. MINIMUM OF 28 DAYS.
- COMPACTION TEST RESULTS TESTS TO BE FORWARDED TO THE ENGINEER FOR APPROVAL. FOR ENGINEED LAYER WORKS, RESULTS TO BE APPROVED BY THE ENGINEER PRIOR TO PROCEEDING WITH LAYER WORKS ABOVE.

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- ALL WORK SHALL BE IN ACCORDANCE WITH SABS 1200 G CONCRETE & SANS 10400 IN CONJUNCTION WITH NHBCR STANDARDS.
- NO CONSTRUCTION TO COMMENCE UNTIL THE MUNICIPALITY RELEVANT AUTHORITY / PROPERTY OWNER / WAY LEAVE HAS GRANTED APPROVAL OF THE DRAWINGS.
- READ THE DRAWINGS IN CONJUNCTION WITH THE ARCHITECTURAL DRAWINGS, ALL RELEVANT SPECIFICATIONS, AND SERVICE DRAWINGS. ANY UNCERTAINTIES IN THE SPECIFICATIONS OR ON DRAWINGS MUST BE REPORTED TO THE ENGINEER AS SOON AS POSSIBLE. ANY DISCREPANCIES BETWEEN THE SPECIFICATIONS AND THE DRAWING MUST BE REPORTED TO THE ENGINEER.
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CONCRETE NOTES:

- ALL DIMENSIONS ARE IN MILLIMETERS (mm) U.O.S..
- CONCRETE GRADES AT 28 DAYS :
BLINDING 10/19 MPa
FOUNDATIONS, RETAINING WALLS, FLOOR SLABS, COLUMNS AND BEAMS 30/19 MPa UNLESS U.O.S.
- UNLESS OTHERWISE SHOWN, PROVIDE 25x25 CHAMFER ON EXTERNAL CORNER OF EXPOSED CONCRETE SURFACES LESS THAN 120 DEGREES.
- UNLESS OTHER SHOWN, COVER TO OUTERMOST REINFORCEMENT IS:
FOUNDATIONS 40mm
SLAB - 30mm
BEAMS - 30mm,
COLUMNS - 30mm
- FOUNDATION TRENCHES TO BE INSPECTED BY ENGINEER IN CHARGE PRIOR TO FIXING REINFORCING & POURING OF ANY CONCRETE.
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CONTRACTOR TO ENSURE EXCAVATIONS, EXISTING STRUCTURES & NEIGHBORING WALLS / BANKS ARE MADE SAFE BEFORE ANY WORK CAN COMMENCE.

ISSUED FOR TENDER

06-10-2025	ISSUED FOR TENDER	V.K.	B
26-09-2025	ISSUED FOR COSTING	V.K.	A
DATE	DESCRIPTION	BY	REV
DESIGN	V.K.		
DRAWN	A.H.		
CHECKED	D.N.		
DATE ISSUED	26-09-2025	SHEET SIZE	A1
		SCALE	AS SHOWN

CONSULTANT	
	215 ALPINE ROAD SPRINGFIELD, DURBAN 4091 031 207 2926 082 468 6381 Veshall.K@kda.org.za
Consulting Engineers Pty (Ltd) CONSTRUCTION, ENGINEERING & PROJECT MANAGEMENT SERVICES Pretoria/Johannesburg - Durban - Port Shepstone - Eastern Cape	54 WOODPECKER ROAD, MOUNTVIEW, PIETERMARITZBURG, 3201 033 387 1730 084 988 4693 dhanashan@kda.org.za

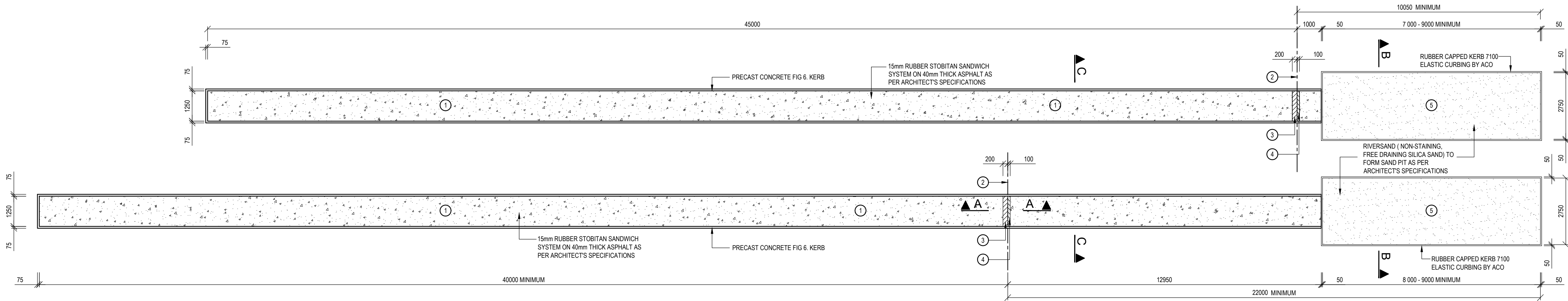
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CLIENT:
WINNIE MADIKIZELA-MANDELA LOCAL MUNICIPALITY

PROJECT:
PROPOSED MPHUTHUMI MAFUMBATHA
MULTI-PURPOSE CENTRE : SPECTATOR ABLUTIONS

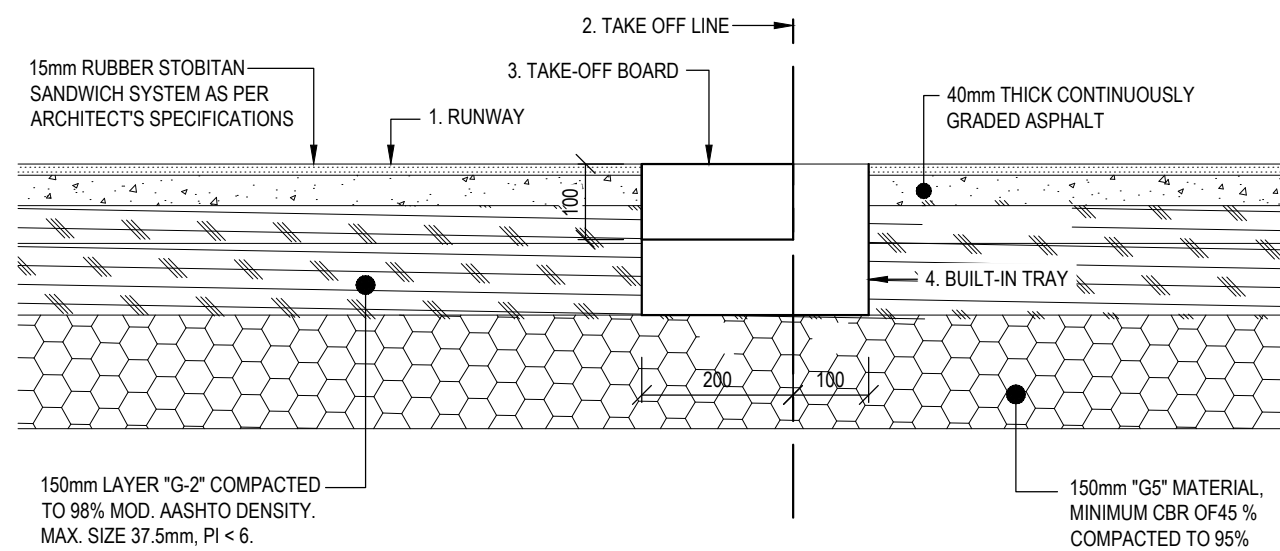
DRAWING DESCRIPTION:
STORAGE CONTAINER: LAYOUT, SECTIONS AND DETAILS

PROJECT NUMBER	DRAWING NUMBER	DATE	REVISION
25131	305	06-10-2025	B

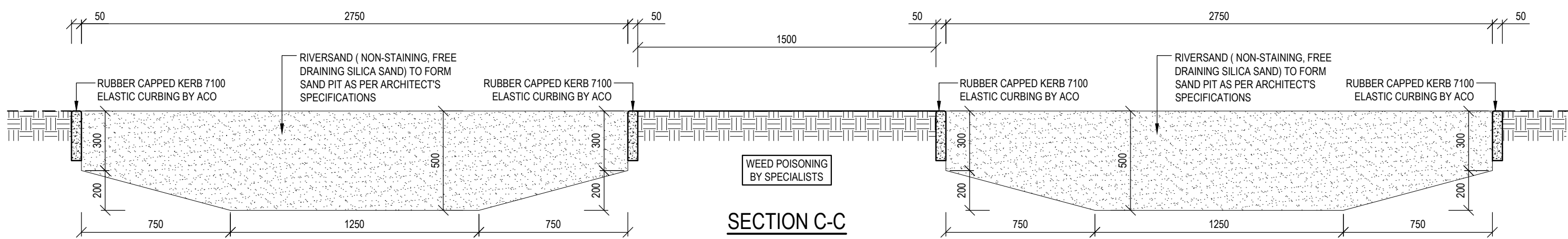


LONG JUMP LAYOUT
SCALE 1 : 100

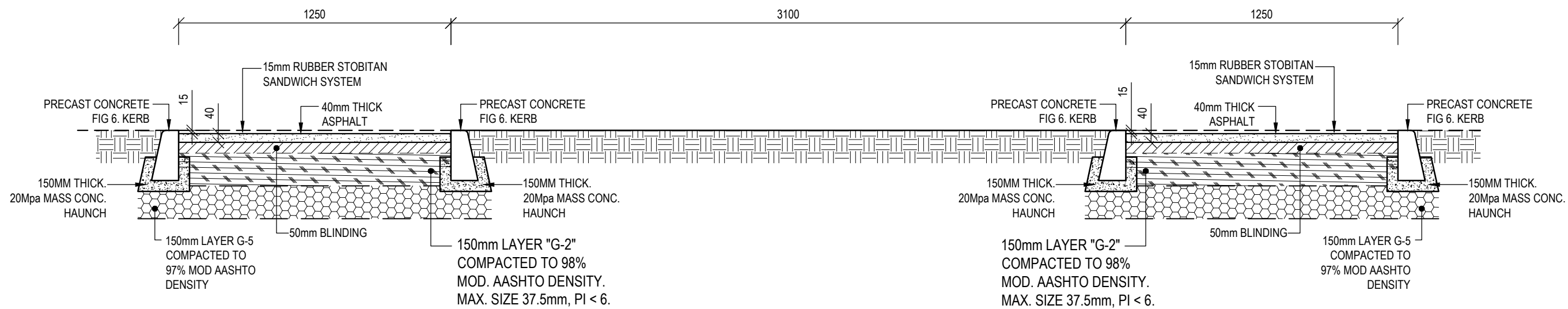
KEY
1 RUNWAY MINIMUM 40m
2 TAKE OFF LINE
3 TAKE-OFF BOARD
4 BUILT-IN TRAY
5 LANDING AREA



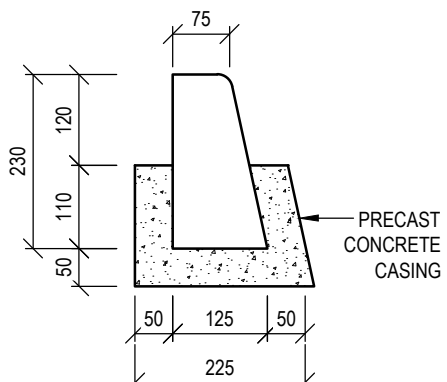
SECTION A-A
SCALE 1 : 10



SECTION C-C
SCALE 1 : 20



SECTION C-C
SCALE 1 : 20



TYPICAL FIG. 6
KERB DETAIL
SCALE 1 : 10

GENERAL NOTES:

- THIS DRAWING PROVIDES INFORMATION RELATED TO THE FORM OF WORKS WHEN COMPLETED TOGETHER WITH GUIDANCE, WHERE FUNDAMENTAL TO THE DESIGN, FOR THE SEQUENCE OF CONSTRUCTION. THIS DRAWING DOES NOT PURPORT TO INCLUDE ANY NECESSARY PRECAUTIONS, ITEMS OR COMPONENTS REQUIRED FOR CONSTRUCTION SAFETY. ALL SUCH PRECAUTIONS MUST BE TAKEN AND ITEMS OR COMPONENTS SUPPLIED BY THE CONTRACTOR.
- ALL WORK SHALL BE IN ACCORDANCE WITH SABS 1200 G CONCRETE & SANS 10400 IN CONJUNCTION WITH NHBRC STANDARDS.
- NO CONSTRUCTION TO COMMENCE UNTIL THE MUNICIPALITY RELEVANT AUTHORITY / PROPERTY OWNER / WAY LEAVE HAS GRANTED APPROVAL OF THE DRAWINGS.
- READ THE DRAWINGS IN CONJUNCTION WITH THE ARCHITECTURAL DRAWINGS, ALL RELEVANT SPECIFICATIONS, AND SERVICE DRAWINGS. ANY UNCERTAINTIES IN THE SPECIFICATIONS OR ON DRAWINGS MUST BE REPORTED TO THE ENGINEER AS SOON AS POSSIBLE. ANY DISCREPANCIES BETWEEN THE SPECIFICATIONS AND THE DRAWING MUST BE REPORTED TO THE ENGINEER.
- ALL DIMENSION, LEVELS AND EXISTING SERVICES TO BE PROVEN AND CLEARLY MARKED BEFORE AND WORK CAN BEGIN.

CONCRETE NOTES:

- ALL DIMENSIONS ARE IN MILLIMETERS (mm) U.O.S..
- CONCRETE GRADES AT 28 DAYS :
BLINDING 10/19 MPa.
FOUNDATIONS, RETAINING WALLS, FLOOR SLABS, COLUMNS AND BEAMS 30/19 MPa UNLESS U.O.S.
- MINIMUM CHARACTERISTIC STRENGTH OF REINFORCEMENT IN MILD REINFORCING (R) = 250 MPa.
HIGH YIELD REINFORCING (Y) = 450 MPa (TYPE 2)
- UNLESS OTHER SHOWN, COVER TO OUTERMOST REINFORCEMENT IS:
FOUNDATIONS 40mm
SLAB - 30mm
- FOUNDATION TRENCHES TO BE INSPECTED BY ENGINEER IN CHARGE PRIOR TO FIXING REINFORCING & POURING OF ANY CONCRETE.
- ALL REINFORCING TO BE INSPECTED BY ENGINEER IN CHARGE PRIOR TO POURING ANY CONCRETE.
- ALL SLEEVES & CONDUITS TO BE FIXED IN POSITION BEFORE CONCRETE CAN BE CAST. NO HOLES / NOTCHES / SLOTS TO BE FORMED IN CONCRETE UNLESS APPROVED BY THE ENGINEER.
- POURING OF CONCRETE DURING HOT OR COLD WEATHER MUST BE CARRIED OUT IN ACCORDANCE WITH THE APPROVED SPECIFICATION FROM SUPPLIER. METHOD STATEMENT FOR CURING TO BE SUBMITTED FOR APPROVAL.

NATIONAL BUILDING REGULATIONS:

ALL WORK TO BE CARRIED OUT IN ACCORDANCE WITH THE NATIONAL BUILDING REGULATIONS, ENVIRONMENTAL AND OCCUPATIONAL HEALTH AND SAFETY ACT, AND THE CONSTRUCTION REGULATIONS.

THE MAIN CONTRACTOR IS TO ENSURE THAT A COMPETENT PERSON, APPROVED BY THE SOUTH AFRICAN QUALIFICATION AUTHORITY SUPERVISES AND APPROVES ALL ASPECTS OF THE REQUIREMENTS OF THE OCCUPATIONAL HEALTH AND SAFETY ACT. ALL TO COMPLY WITH THE LATEST REVISION.

ISSUED FOR TENDER

06-10-2025	ISSUED FOR TENDER	V.K.	B
26-09-2025	ISSUED FOR COSTING	V.K.	A
DATE	DESCRIPTION	BY	REV
DESIGN	V.K		
DRAWN	D.P		
CHECKED	D.N.		
DATE ISSUED	26-09-2025	SHEET SIZE	A1
		SCALE	AS SHOWN

CONSULTANT



Consulting Engineers Pty (Ltd)
CONSULTING ENGINEERS PROJECT MANAGEMENT SERVICES
Pietermaritzburg - Durban - Port Shepstone - Eastern Cape

215 ALPINE ROAD
SPRINGFIELD, DURBAN, 4091
031 207 2926 | 082 468 6381 |
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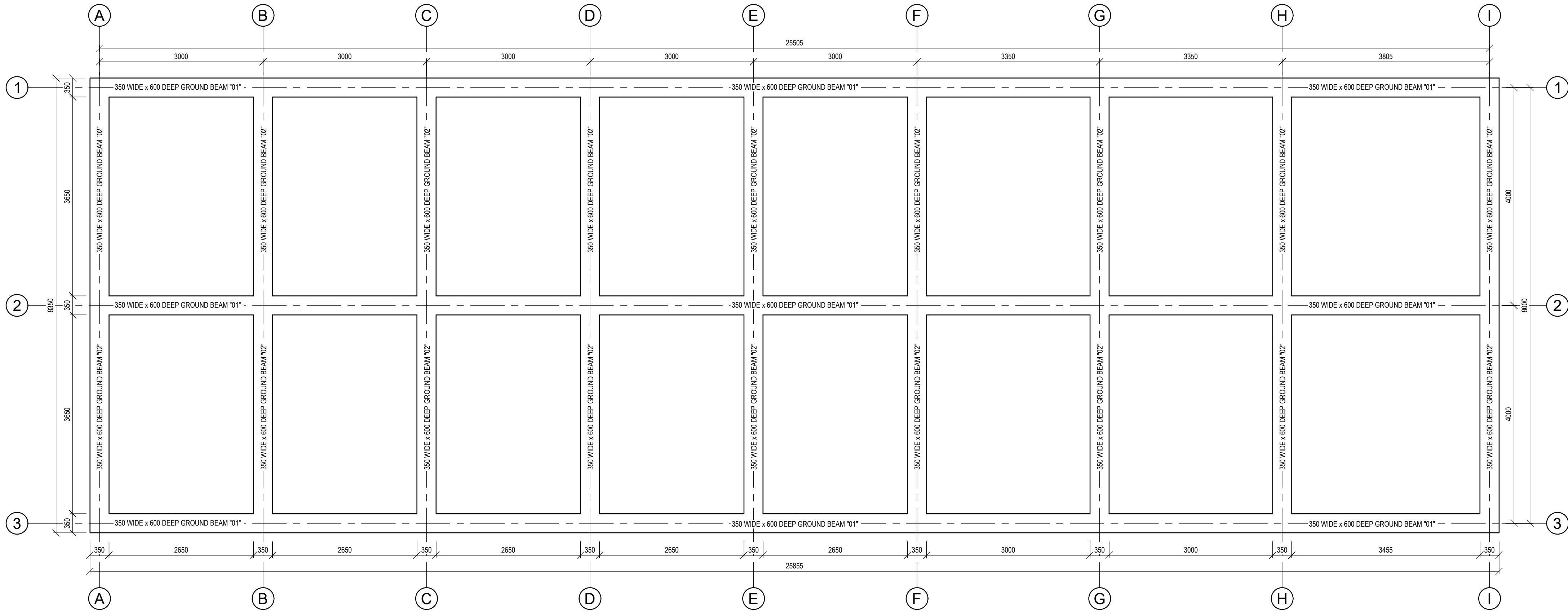
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CLIENT:
WINNIE MADIKIZELA-MANDELA LOCAL MUNICIPALITY

PROJECT:
PROPOSED MPHUTHUMI MAFUMBATHA
MULTI-PURPOSE CENTRE : LONG JUMP AND TRIPLE JUMP

DRAWING DESCRIPTION:
LONG JUMP
LAYOUT, SECTIONS AND DETAILS

PROJECT NUMBER	DRAWING NUMBER	DATE	REVISION
25131	306	06-10-2025	B

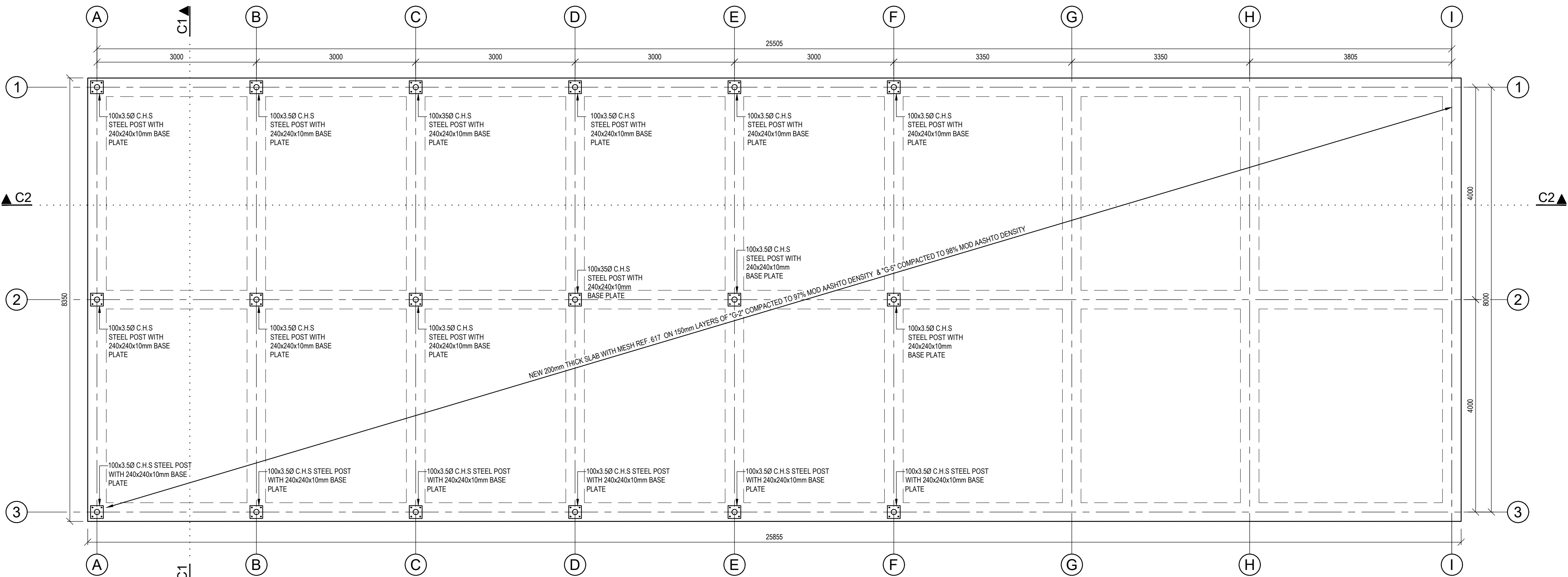


FOUNDATION LAYOUT
SCALE 1 : 50



REINFORCING ESTIMATION:

BEAMS = 120 Kg/m3



SURFACE BED LAYOUT
SCALE 1 : 50



GENERAL NOTES:

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- READ THE DRAWINGS IN CONJUNCTION WITH THE ARCHITECTURAL DRAWINGS, ALL RELEVANT SPECIFICATIONS, AND SERVICE DRAWINGS. ANY UNCERTAINTIES IN THE SPECIFICATIONS OR ON DRAWINGS MUST BE REPORTED TO THE ENGINEER AS SOON AS POSSIBLE. ANY DISCREPANCIES BETWEEN THE SPECIFICATIONS AND THE DRAWING MUST BE REPORTED TO THE ENGINEER.
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SURFACE BED NOTES:

- ALL WORK SHALL BE STRICTLY IN ACCORDANCE WITH SABS 1200 G AND SABS 0109.
- CHARACTERISTIC STRENGTH OF CONCRETE IN SURFACE BED TO BE GRADE 25 Mpa/19mm. MAXIMUM SLUMP TO BE 50mm.
- ALL SAW JOINTS SHALL BE MADE WITHIN 24 HOURS OF CASTING CONCRETE.
- MAXIMUM DISTANCE BETWEEN SAW CUTS TO BE 4000mm AND ANY VARIATIONS TO THE JOINT LAYOUT TO BE AGREED WITH ENGINEER.
- ACTIVE CURING OF CONCRETE TO LAST FOR MINIMUM OF 14 DAYS. METHOD OF CURING TO BE AGREED WITH ENGINEER PRIOR TO CASTING.
- MIX DESIGN, TRAIL CUBE STRENGTH AND SHRINKAGE TEST RESULTS OF TRAIL MIX TO BE APPROVED BY ENGINEER PRIOR TO CASTING CONCRETE (SHRINKAGE TO BE LESS THAN 0.005).

06-10-2025	ISSUED FOR TENDER	V.K.	B
26-09-2025	ISSUED FOR COSTING	V.K.	A
DATE	DESCRIPTION	BY	REV

DESIGN	V.K
DRAWN	D.P
CHECKED	D.N.
DATE ISSUED	26-09-2025
SHEET SIZE	A1
SCALE	AS SHOWN

CONSULTANT	
	215 ALPINE ROAD SPRINGFIELD, DURBAN 4091 031 207 2926 082 468 6381 Veshall.K@kda.org.za
Consulting Engineers Pty (Ltd) CONSTRUCTION, ENGINEERING PROJECT MANAGEMENT SERVICES Pretoria/Johannesburg - Durban - Port Shepstone - Eastern Cape	
54 WOODPECKER ROAD, MOUNTAINVIEW PIETERMARITZBURG, 3201 033 387 1730 084 988 4693 dhanashan@kda.org.za	

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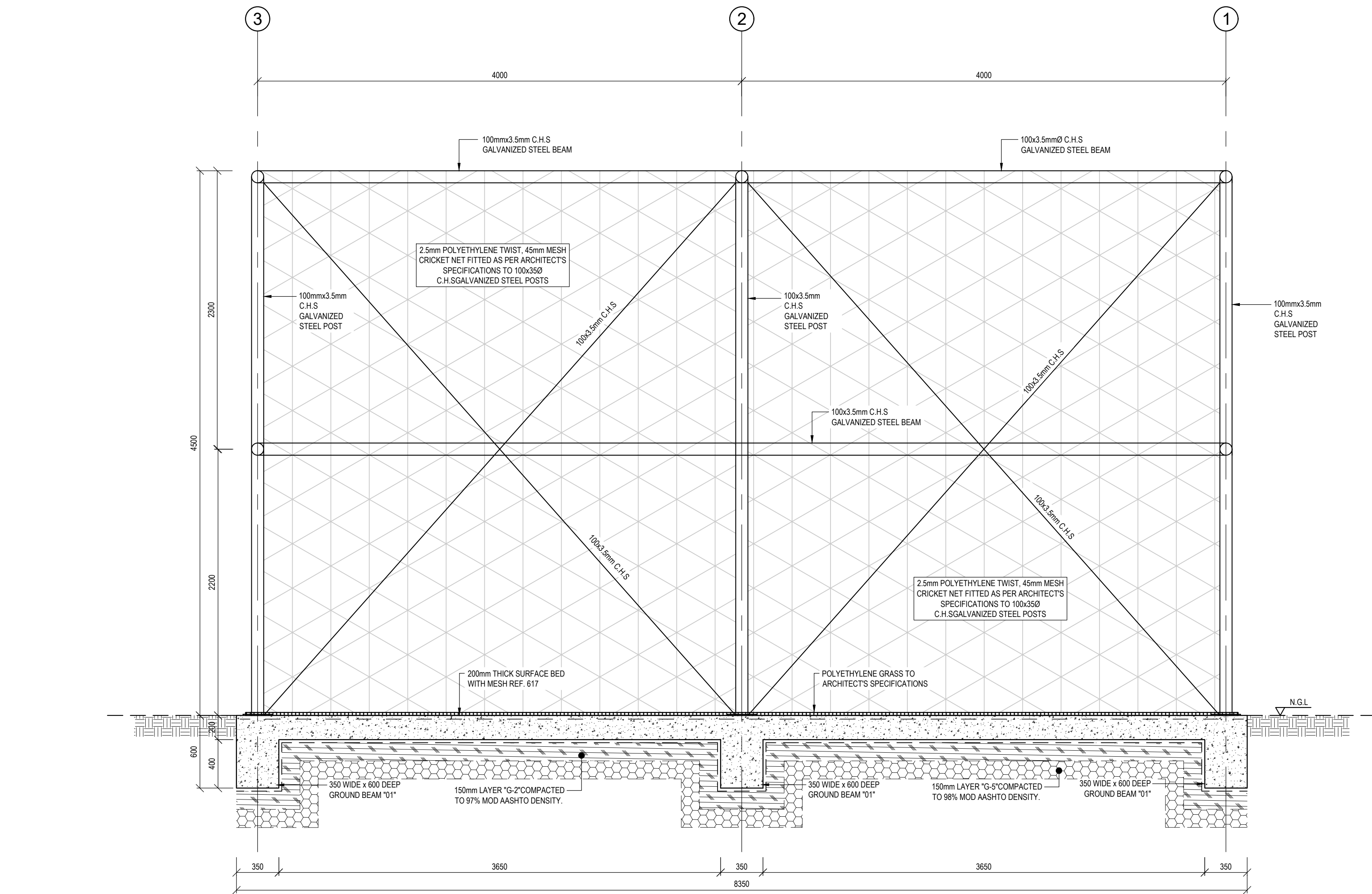
CLIENT:
WINNIE MADIKIZELA-MANDELA LOCAL MUNICIPALITY

PROJECT:
PROPOSED MPHUTHUMI MAFUMBATHA
MULTI-PURPOSE CENTRE : CRICKET PITCHER'S NET

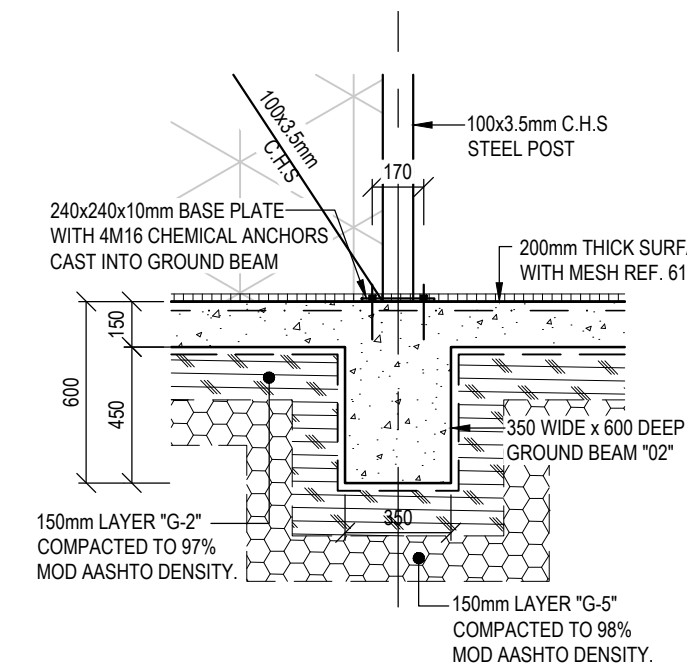
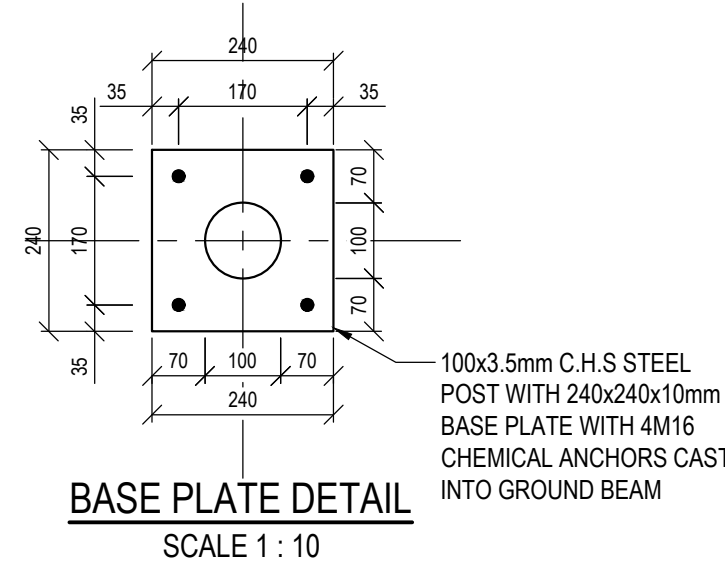
DRAWING DESCRIPTION:
CRICKET PITCH
FOUNDATION AND SURFACE BED LAYOUTS

PROJECT NUMBER	DRAWING NUMBER	DATE	REVISION
25131	307	06-10-2025	B

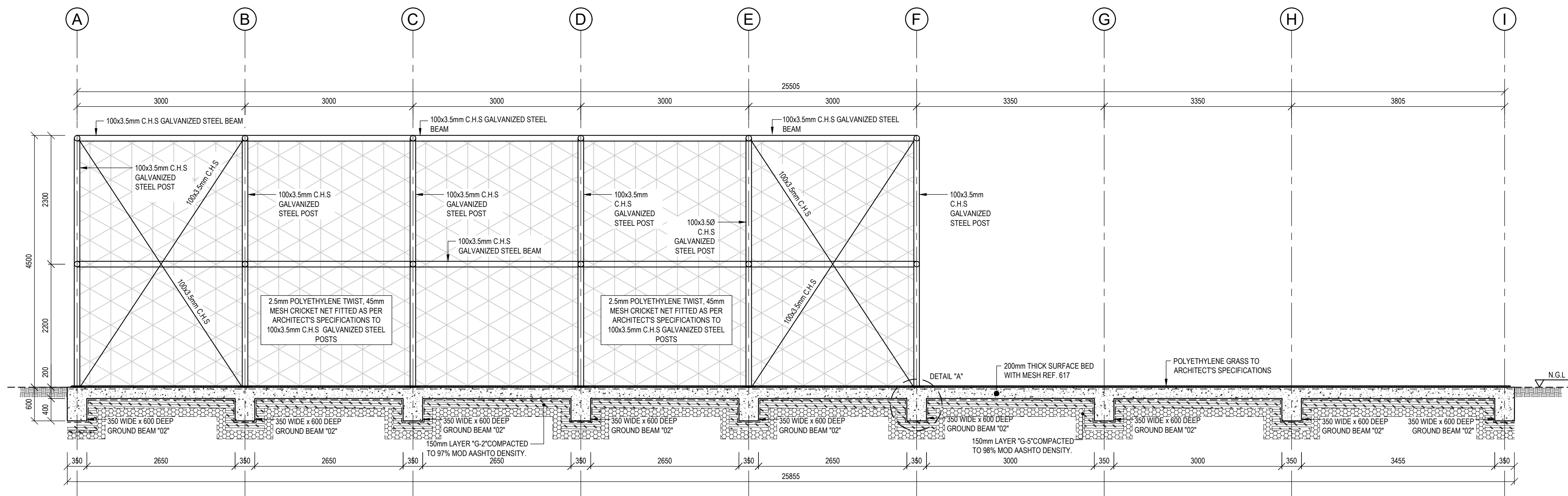
ISSUED FOR TENDER



SECTION C1-C1
SCALE 1 : 25



DETAIL "A"
SCALE 1 : 25



SECTION C2-C2
SCALE 1 : 50

GENERAL NOTES:

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2. ALL WORK SHALL BE IN ACCORDANCE WITH SABS 1200 G CONCRETE & SANS 10400 IN CONJUNCTION WITH NHBC STANDARDS.
3. NO CONSTRUCTION TO COMMENCE UNTIL THE MUNICIPALITY RELEVANT AUTHORITY / PROPERTY OWNER / WAY LEAVE HAS GRANTED APPROVAL OF THE DRAWINGS.
4. READ THE DRAWINGS IN CONJUNCTION WITH THE ARCHITECTURAL DRAWINGS, ALL RELEVANT SPECIFICATIONS, AND SERVICE DRAWINGS. ANY UNCERTAINTIES IN THE SPECIFICATIONS OR ON DRAWINGS MUST BE REPORTED TO THE ENGINEER AS SOON AS POSSIBLE. ANY DISCREPANCIES BETWEEN THE SPECIFICATIONS AND THE DRAWING MUST BE REPORTED TO THE ENGINEER.
5. ALL DIMENSION, LEVELS AND EXISTING SERVICES TO BE PROVEN AND CLEARLY MARKED BEFORE AND WORK CAN BEGIN.

NATIONAL BUILDING REGULATIONS:

ALL WORK TO BE CARRIED OUT IN ACCORDANCE WITH THE NATIONAL BUILDING REGULATIONS, ENVIRONMENTAL AND OCCUPATIONAL HEALTH AND SAFETY ACT, AND THE CONSTRUCTION REGULATIONS.

THE MAIN CONTRACTOR IS TO ENSURE THAT A COMPETENT PERSON, APPROVED BY THE SOUTH AFRICAN QUALIFICATION AUTHORITY, SUPERVISES AND APPROVES ALL ASPECTS OF THE REQUIREMENTS OF THE OCCUPATIONAL HEALTH AND SAFETY ACT. ALL TO COMPLY WITH THE LATEST REVISION.

STEELWORKS NOTES:

1. STRUCTURAL STEELWORKS SHALL COMPLY WITH THE REQUIREMENTS OF SABS 1200H, SANS 100160 PART 1 & 2 AND PROJECT SPECIFICATION.
2. ALL STEELWORK SHALL BE GRADE S355JR U.O.N.
3. ALL WELDS SHALL BE 6mm CONTINUOUS FILLET WELD U.O.N.
4. WORK SHOP DRAWINGS TO BE SUBMITTED TO ENGINEER AND ARCHITECT FOR APPROVAL PRIOR TO FABRICATION.
5. ALL STEEL WORK TO BE SAND BLASTED TO SA 2.5 AND PAINTED WITH ZINC RICH PRIMER AND TWO FINISHING COATS (TOTAL DFT = 150 MICRONS).
6. ALL STEEL WORK TO BE HOT DIPPED GALVANIZED (HEAVY DUTY) TO ISO 1461. GALVANIZED SURFACES TO BE CLEANED WITH PLASCON *GALV-KLEEN BY MEANS OF SCOTCHBRITE PADS (OR SIMILAR APPROVED), RINSED WITH CLEAN WATER AND ALLOWED TO DRY.
7. REPAIRS TO HOT DIP GALVANISING SHALL BE DONE USING GALV-PATCH APPLIED IN ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS
8. ALL DIMENSIONS TO BE CHECKED ON SITE.

ISSUED FOR TENDER

06-10-2025	ISSUED FOR TENDER	V.K.	B
26-09-2025	ISSUED FOR COSTING	V.K.	A
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DESIGN	V.K.		
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CONSULTANT



215 ALPINE ROAD
SPRINGFIELD, DURBAN 4091
031 207 2926 | 082 468 6381 |
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MOUNTVIEW
PIETERMARITZBURG, 3201
033 387 1730 | 084 988 4693 |
dhanashan@kda.org.za

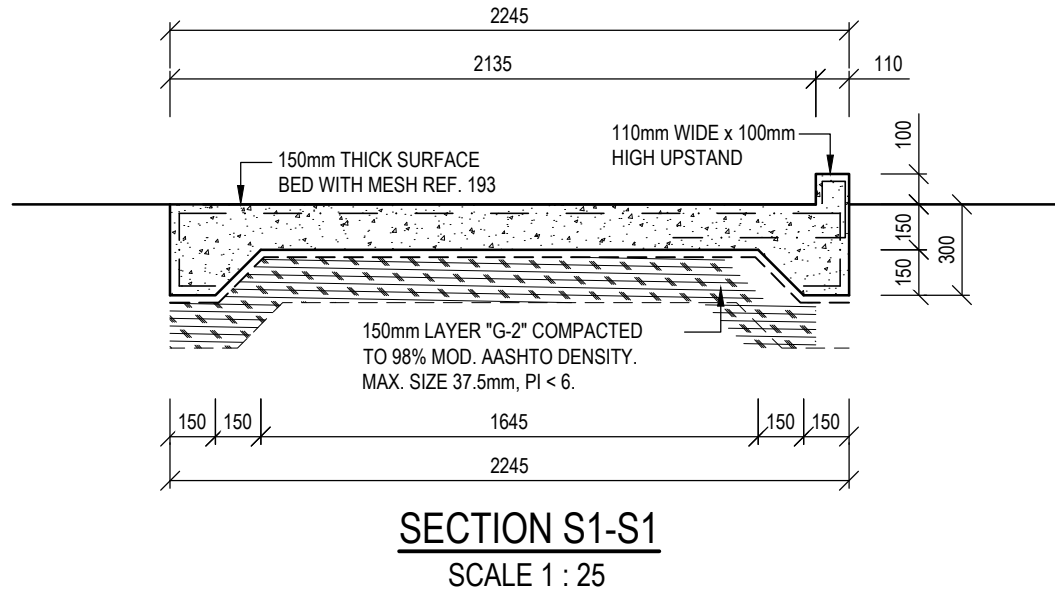
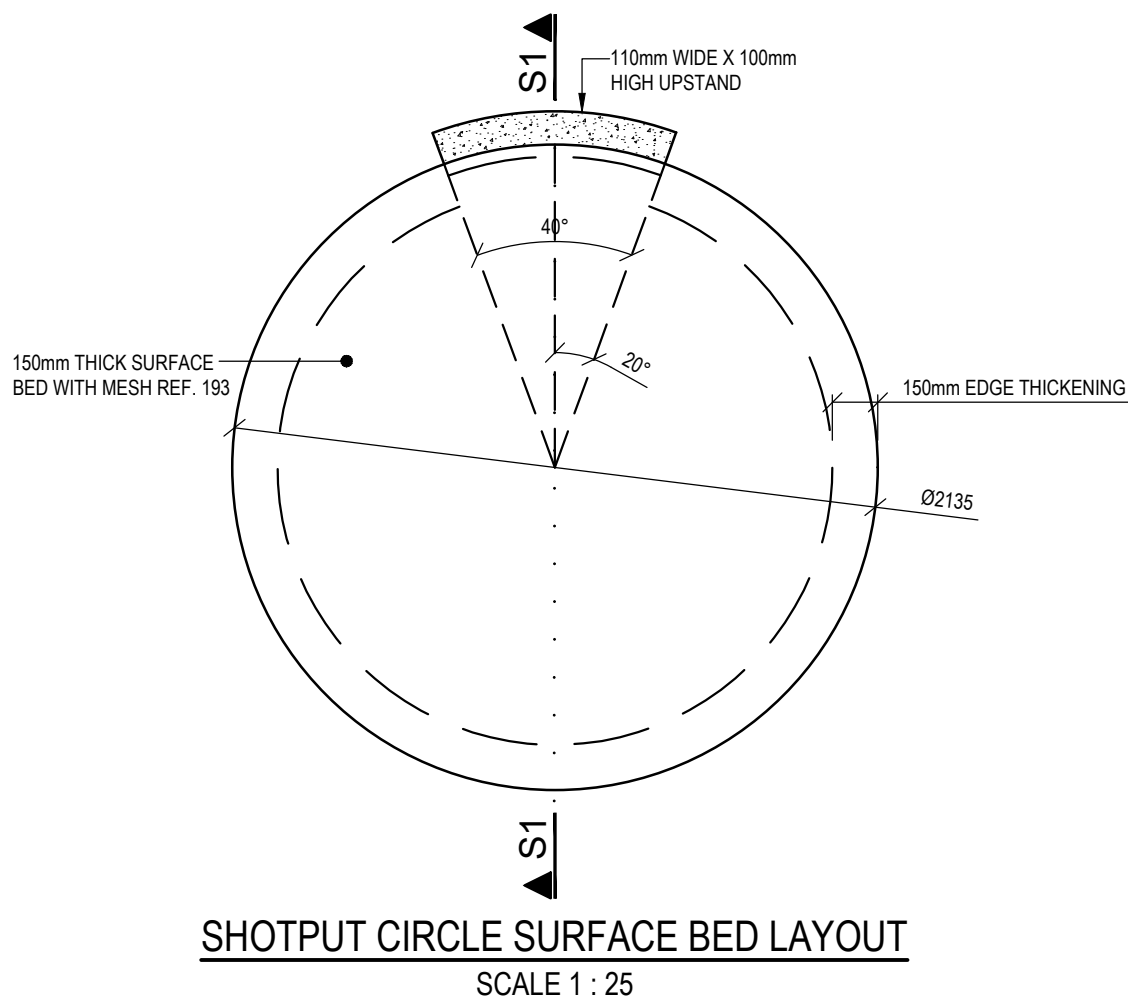
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CLIENT:
WINNIE MADIKIZELA-MANDELA LOCAL MUNICIPALITY

PROJECT:
PROPOSED MPHUTHUMI MAFUMBATHA
MULTI-PURPOSE CENTRE : CRICKET PITCHER'S NET

DRAWING DESCRIPTION:
CRICKET PITCH
SECTIONS AND DETAILS

PROJECT NUMBER	DRAWING NUMBER	DATE	REVISION
25131	308	06-10-2025	B



GENERAL NOTES:

1. THIS DRAWING PROVIDES INFORMATION RELATED TO THE FORM OF WORKS WHEN COMPLETED TOGETHER WITH GUIDANCE, WHERE FUNDAMENTAL TO THE DESIGN, FOR THE SEQUENCE OF CONSTRUCTION. THIS DRAWING DOES NOT PURPORT TO INCLUDE ANY NECESSARY PRECAUTIONS, ITEMS OR COMPONENTS REQUIRED FOR CONSTRUCTION SAFETY. ALL SUCH PRECAUTIONS MUST BE TAKEN AND ITEMS OR COMPONENTS SUPPLIED BY THE CONTRACTOR.
2. ALL WORK SHALL BE IN ACCORDANCE WITH SABS 1200 G CONCRETE & SANS 10400 IN CONJUNCTION WITH NHBRIC STANDARDS.
3. NO CONSTRUCTION TO COMMENCE UNTIL THE MUNICIPALITY RELEVANT AUTHORITY / PROPERTY OWNER / WAY LEAVE HAS GRANTED APPROVAL OF THE DRAWINGS.
4. READ THE DRAWINGS IN CONJUNCTION WITH THE ARCHITECTURAL DRAWINGS, ALL RELEVANT SPECIFICATIONS, AND SERVICE DRAWINGS. ANY UNCERTAINTIES IN THE SPECIFICATIONS OR ON DRAWINGS MUST BE REPORTED TO THE ENGINEER AS SOON AS POSSIBLE. ANY DISCREPANCIES BETWEEN THE SPECIFICATIONS AND THE DRAWING MUST BE REPORTED TO THE ENGINEER.
5. ALL DIMENSION, LEVELS AND EXISTING SERVICES TO BE PROVEN AND CLEARLY MARKED BEFORE AND WORK CAN BEGIN.

CONCRETE NOTES:

1. ALL DIMENSIONS ARE IN MILLIMETERS (mm) U.O.S..
2. CONCRETE GRADES AT 28 DAYS :
BLINDING 10/19 MPa.
FOUNDATIONS, RETAINING WALLS, FLOOR SLABS, COLUMNS AND BEAMS 30/19 MPa UNLESS U.O.S.
3. MINIMUM CHARACTERISTIC STRENGTH OF REINFORCEMENT IN MILD REINFORCING (R) = 250 MPa.
HIGH YIELD REINFORCING (Y) = 450 MPa (TYPE 2)
4. UNLESS OTHER SHOWN, COVER TO OUTERMOST REINFORCEMENT IS:
FOUNDATIONS 40mm
SLAB - 30mm
5. FOUNDATION TRENCHES TO BE INSPECTED BY ENGINEER IN CHARGE PRIOR TO FIXING REINFORCING & POURING OF ANY CONCRETE.
6. ALL REINFORCING TO BE INSPECTED BY ENGINEER IN CHARGE PRIOR TO POURING ANY CONCRETE.
7. ALL SLEEVES & CONDUITS TO BE FIXED IN POSITION BEFORE CONCRETE CAN BE CAST. NO HOLES / NOTCHES / SLOTS TO BE FORMED IN CONCRETE UNLESS APPROVED BY THE ENGINEER.
8. POURING OF CONCRETE DURING HOT OR COLD WEATHER MUST BE CARRIED OUT IN ACCORDANCE WITH THE APPROVED SPECIFICATION FROM SUPPLIER. METHOD STATEMENT FOR CURING TO BE SUBMITTED FOR APPROVAL.

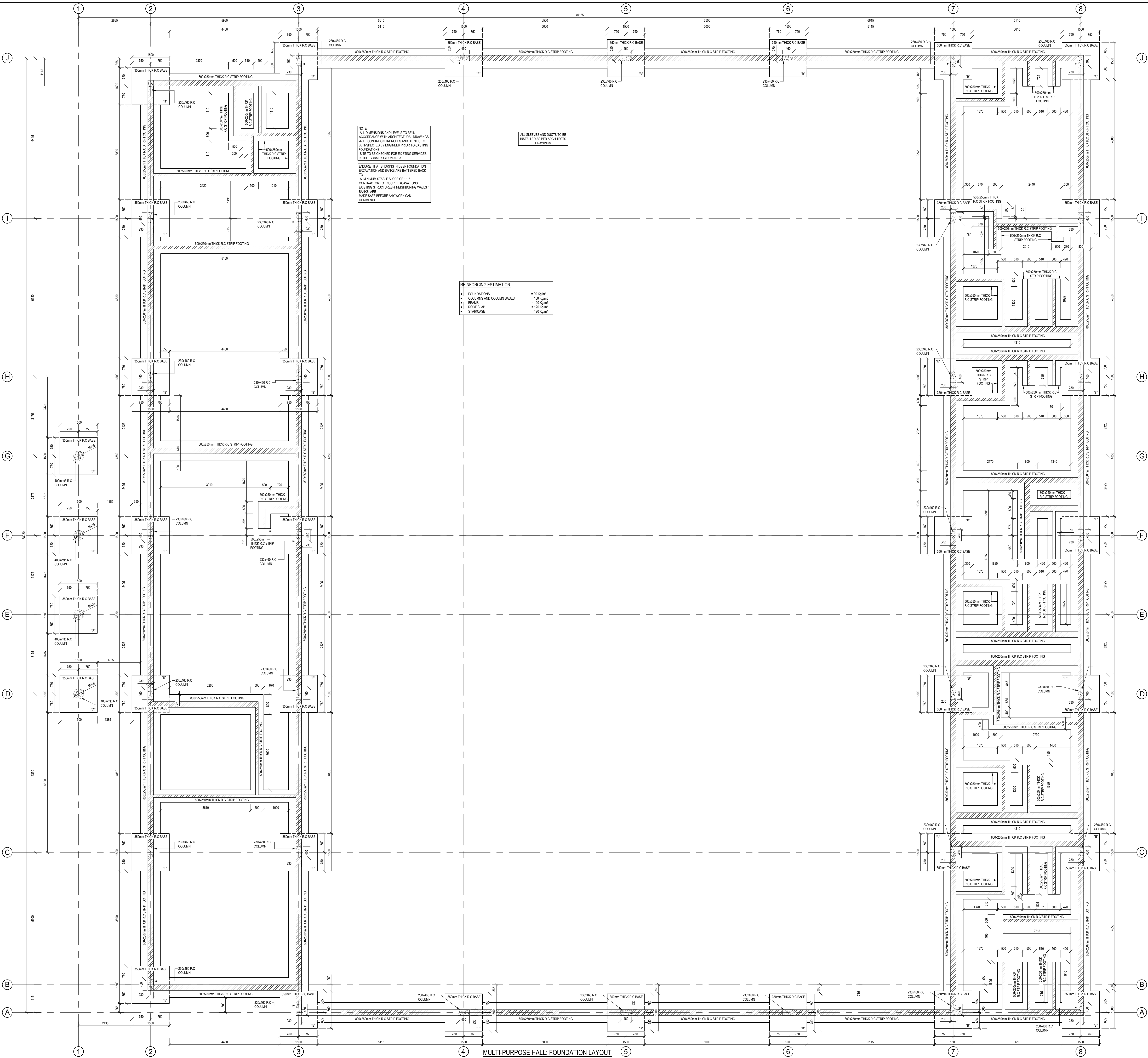
NATIONAL BUILDING REGULATIONS:

ALL WORK TO BE CARRIED OUT IN ACCORDANCE WITH THE NATIONAL BUILDING REGULATIONS, ENVIRONMENTAL AND OCCUPATIONAL HEALTH AND SAFETY ACT, AND THE CONSTRUCTION REGULATIONS.

THE MAIN CONTRACTOR IS TO ENSURE THAT A COMPETENT PERSON, APPROVED BY THE SOUTH AFRICAN QUALIFICATION AUTHORITY SUPERVISES AND APPROVES ALL ASPECTS OF THE REQUIREMENTS OF THE OCCUPATIONAL HEALTH AND SAFETY ACT. ALL TO COMPLY WITH THE LATEST REVISION.

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26-09-2025	ISSUED FOR COSTING	V.K.	A
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CONSULTANT			
		215 ALPINE ROAD SPRINGFIELD, DURBAN, 4091 031 207 2926 082 468 6381 Veshall.K@kda.org.za	
Consulting Engineers Pty (Ltd) CONSULTING ENGINEERS PROJECT MANAGEMENT SERVICES Pretoria/Johannesburg - Durban - Port Shepstone - Eastern Cape		54 WOODPECKER ROAD, MOUNTVIEW, PIETERMARITZBURG, 3201 033 387 1730 084 988 4693 dhanashan@kda.org.za	
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CLIENT:			
WINNIE MADIKIZELA-MANDELA LOCAL MUNICIPALITY			
PROJECT:			
PROPOSED MPHUTHUMI MAFUMBATHA MULTI-PURPOSE CENTRE : SHOTPUT CIRCLE			
DRAWING DESCRIPTION:			
SHOT PUT LAYOUT & SECTION			
PROJECT NUMBER	DRAWING NUMBER	DATE	REVISION
25131	309	06-10-2025	B



GENERAL NOTES:

1. THIS DRAWING PROVIDES INFORMATION RELATED TO THE FORM OF WORKS WHEN COMPLETED TOGETHER WITH QUANTITIES. WHERE FUNDAMENTAL TO THE DESIGN, FOR THE SEQUENCE OF CONSTRUCTION. THIS DRAWING DOES NOT PURPORT TO INCLUDE ANY NECESSARY PRECAUTIONS, ITEMS OR COMPONENTS REQUIRED FOR CONSTRUCTION SAFETY. ALL SUCH PRECAUTIONS MUST BE TAKEN AND ITEMS OR COMPONENTS SUPPLIED BY THE CONTRACTOR.

2. ALL WORK SHALL BE IN ACCORDANCE WITH SABS 1200 G CONCRETE & SABS 10408 IN CONJUNCTION WITH NHRC STANDARDS.

3. NO CONSTRUCTION TO COMMENCE UNTIL THE MUNICIPALITY RELEVANT AUTHORITY / PROPERTY OWNER / WAY LEAVE HAS GRANTED APPROVAL OF THE DRAWINGS.

4. READ THE DRAWINGS IN CONJUNCTION WITH THE ARCHITECTURAL DRAWINGS, ALL RELEVANT SPECIFICATIONS, AND SERVICE DRAWINGS. ANY UNCERTAINTIES IN THE SPECIFICATIONS OR ON DRAWINGS MUST BE REPORTED TO THE ENGINEER AS SOON AS POSSIBLE. ANY DISCREPANCIES BETWEEN THE SPECIFICATIONS AND THE DRAWING MUST BE REPORTED TO THE ENGINEER.

5. ALL DIMENSION, LEVELS AND EXISTING SERVICES TO BE PROVEN AND CLEARLY MARKED BEFORE AND WORK CAN BEGIN.

CONCRETE NOTES:

1. ALL DIMENSIONS ARE IN MILLIMETERS (mm) U.O.S.

2. CONCRETE GRADES AT 28 DAYS :
BLINDING 10/19 MPa
FOUNDATIONS, RETAINING WALLS, FLOOR SLABS, COLUMNS AND BEAMS 30/19 MPa UNLESS U.O.S.

3. MINIMUM CHARACTERISTIC STRENGTH OF REINFORCEMENT IN MILD REINFORCING (R) = 250 MPa
HIGH YIELD REINFORCING (Y) = 450 MPa (TYPE 2)

4. UNLESS OTHER SHOWN, COVER TO OUTERMOST REINFORCEMENT IS:
FOUNDATIONS 40mm
SLAB 30mm

5. FOUNDATION TRENCHES TO BE INSPECTED BY ENGINEER IN CHARGE PRIOR TO FIXING REINFORCING & POURING OF ANY CONCRETE.

6. ALL REINFORCING TO BE INSPECTED BY ENGINEER IN CHARGE PRIOR TO POURING ANY CONCRETE.

7. ALL SLEEVES & CONDUITS TO BE FIXED IN POSITION BEFORE CONCRETE CAN BE CAST. NO HOLES / NOTCHES / SLOTS TO BE FORMED IN CONCRETE UNLESS APPROVED BY THE ENGINEER.

8. POURING OF CONCRETE DURING HOT OR COLD WEATHER MUST BE CARRIED OUT IN ACCORDANCE WITH THE APPROVED SPECIFICATION FROM SUPPLIER. METHOD STATEMENT FOR CURING TO BE SUBMITTED FOR APPROVAL.

NATIONAL BUILDING REGULATIONS:

ALL WORK TO BE CARRIED OUT IN ACCORDANCE WITH THE NATIONAL BUILDING REGULATIONS, ENVIRONMENTAL AND OCCUPATIONAL HEALTH AND SAFETY ACT, AND THE CONSTRUCTION REGULATIONS.

THE MAIN CONTRACTOR IS TO ENSURE THAT A COMPETENT PERSON, APPROVED BY THE SOUTH AFRICAN QUALIFICATION AUTHORITY SUPERVISES AND APPROVES ALL ASPECTS OF THE REQUIREMENTS OF THE OCCUPATIONAL HEALTH AND SAFETY ACT. ALL TO COMPLY WITH THE LATEST REVISION.

FOUNDATION TRENCHES:

ENSURE THAT SHORING IN DEEP FOUNDATION EXCAVATION AND BANKS ARE BATTERED BACK TO A MINIMUM STABLE SLOPE OF 1:1.5.

CONTRACTOR TO ENSURE EXCAVATIONS, EXISTING STRUCTURES & NEIGHBORING WALLS / BANKS ARE MADE SAFE BEFORE ANY WORK CAN COMMENCE.

ISSUED FOR TENDER

06-10-2025	ISSUED FOR TENDER	V.K.	B
26-09-2025	ISSUED FOR COSTING	V.K.	A
DATE	DESCRIPTION	BY	REV
DESIGN	V.K.		
DRAWN	A.H.		
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DATE ISSUED	26-09-2025	SHEET SIZE	A0
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CONSULTANT			
			
215 ALPINE ROAD SPRINGFIELD, DURBAN, 4091 031 207 2626 082 468 6381 Veshal.K@kda.org.za			
54 WOODPECKER ROAD, MOUNTVIEW, PIETERMARITZBURG, 3201 033 387 1730 084 988 4693 dhanashan@kda.org.za			
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CLIENT: WINNIE MADIKIZELA-MANDELA LOCAL MUNICIPALITY			
PROJECT: PROPOSED MPHUTHUMI MAFUMBATHA MULTI-PURPOSE CENTRE : MULTI-PURPOSE HALL			
DRAWING DESCRIPTION: MULTI-PURPOSE HALL: FOUNDATION LAYOUT			
PROJECT NUMBER	DRAWING NUMBER	DATE	REVISION
25131	310	06-10-2025	B



GENERAL NOTES:

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CONCRETE NOTES:

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FOUNDATIONS, RETAINING WALLS, FLOOR SLABS, COLUMNS AND BEAMS 30/19 MPa UNLESS U.O.S.
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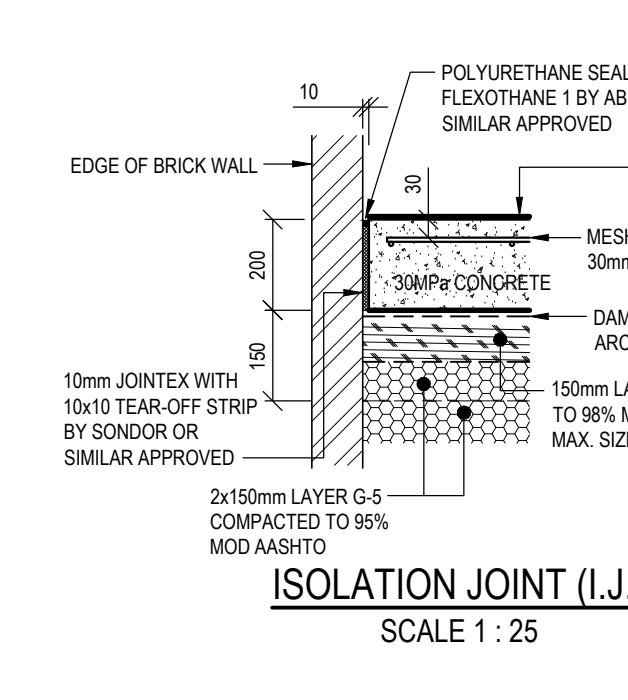
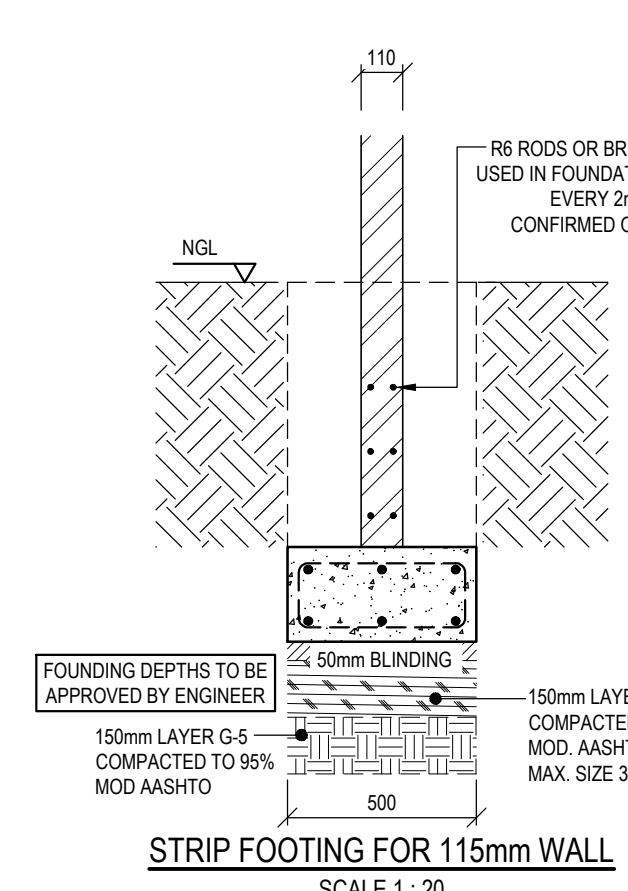
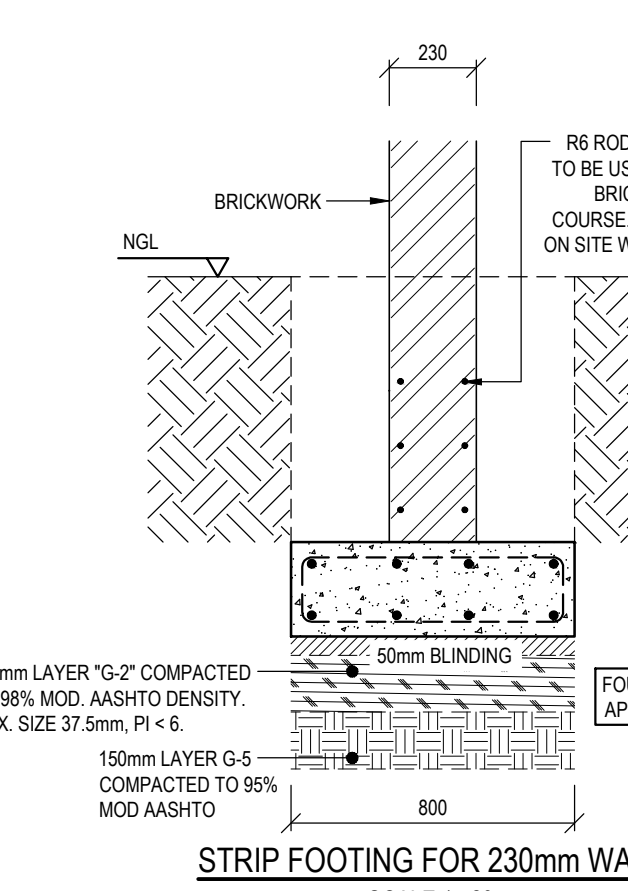
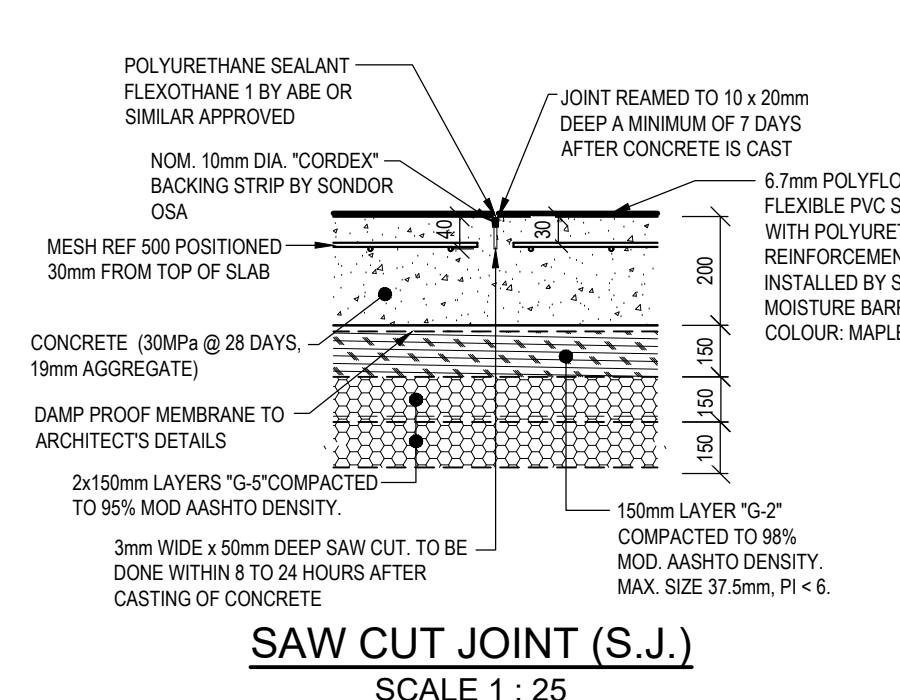
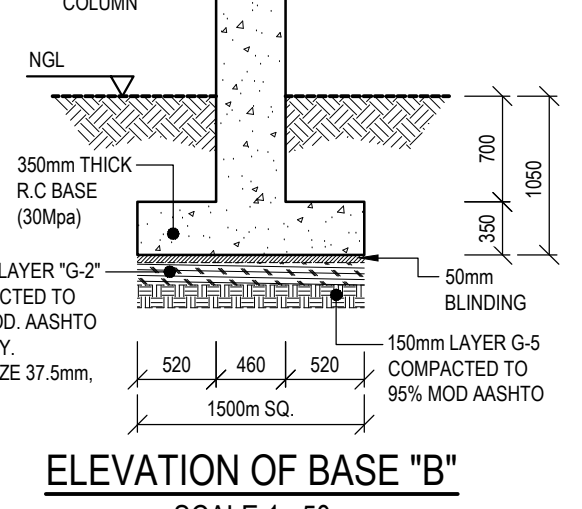
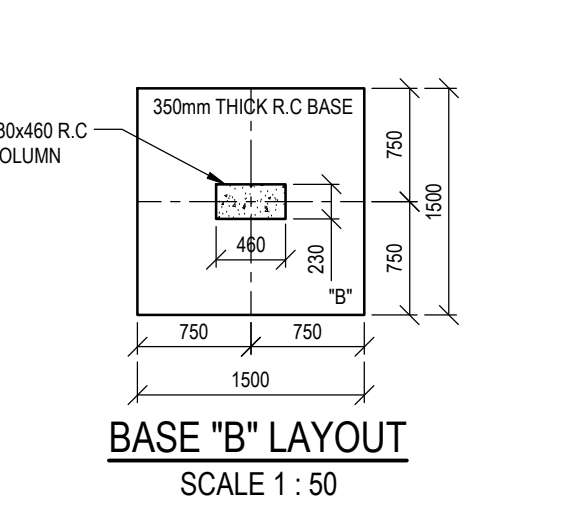
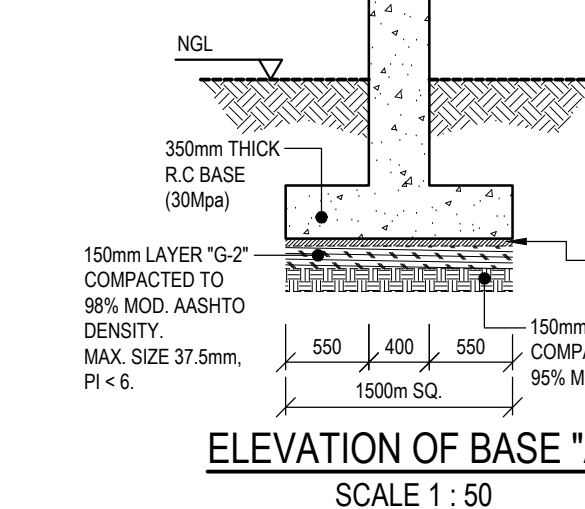
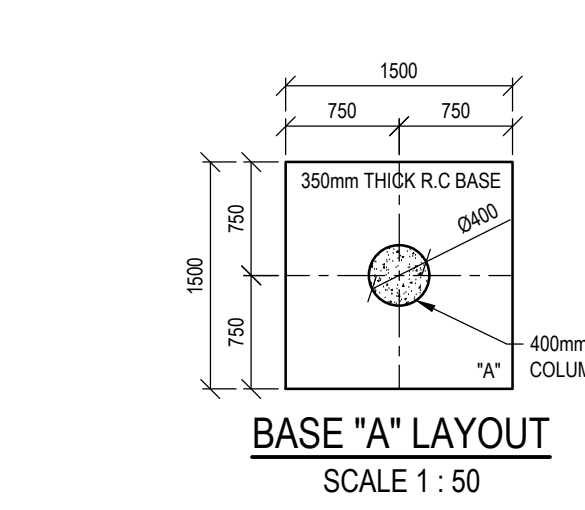
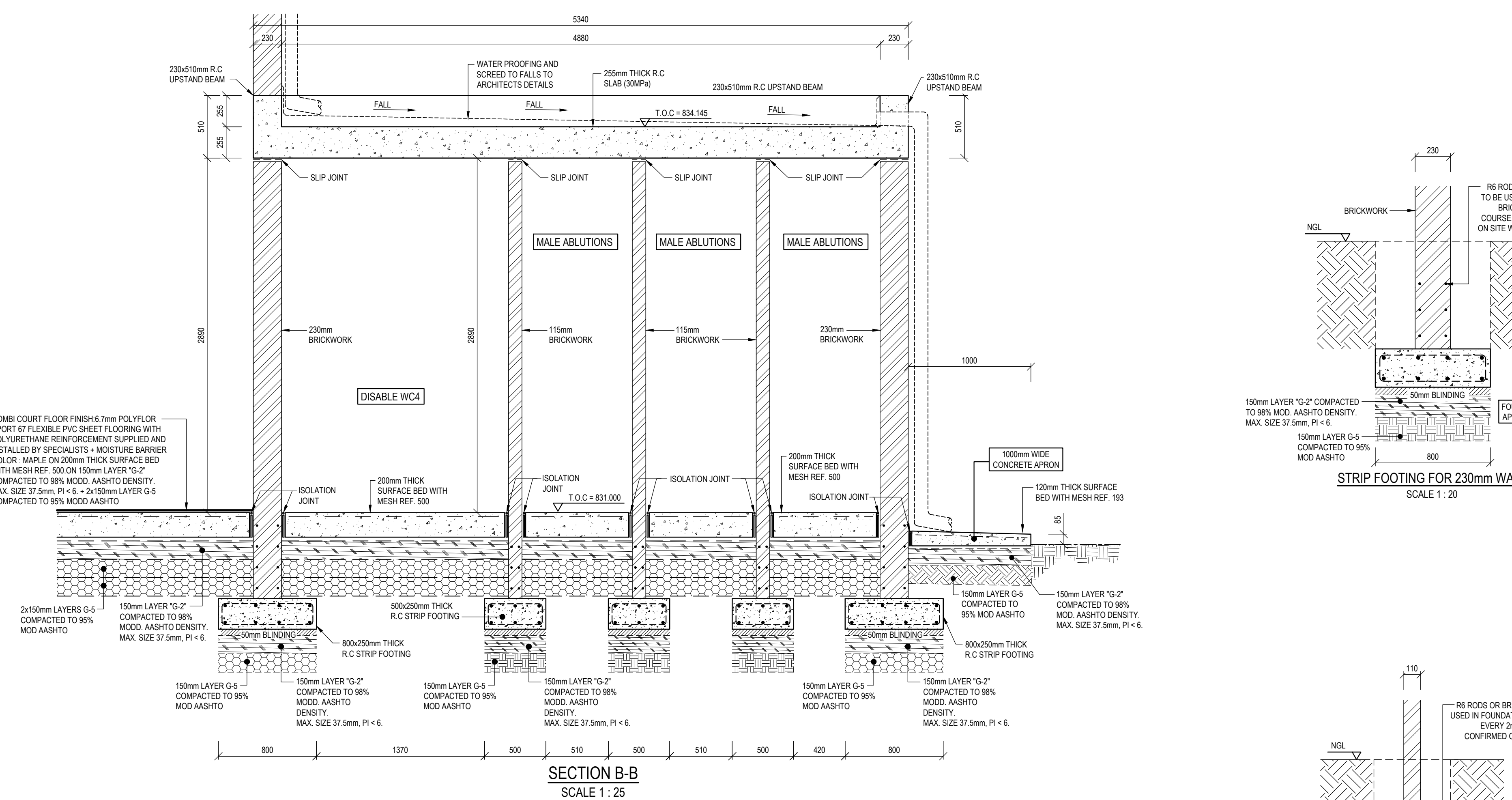
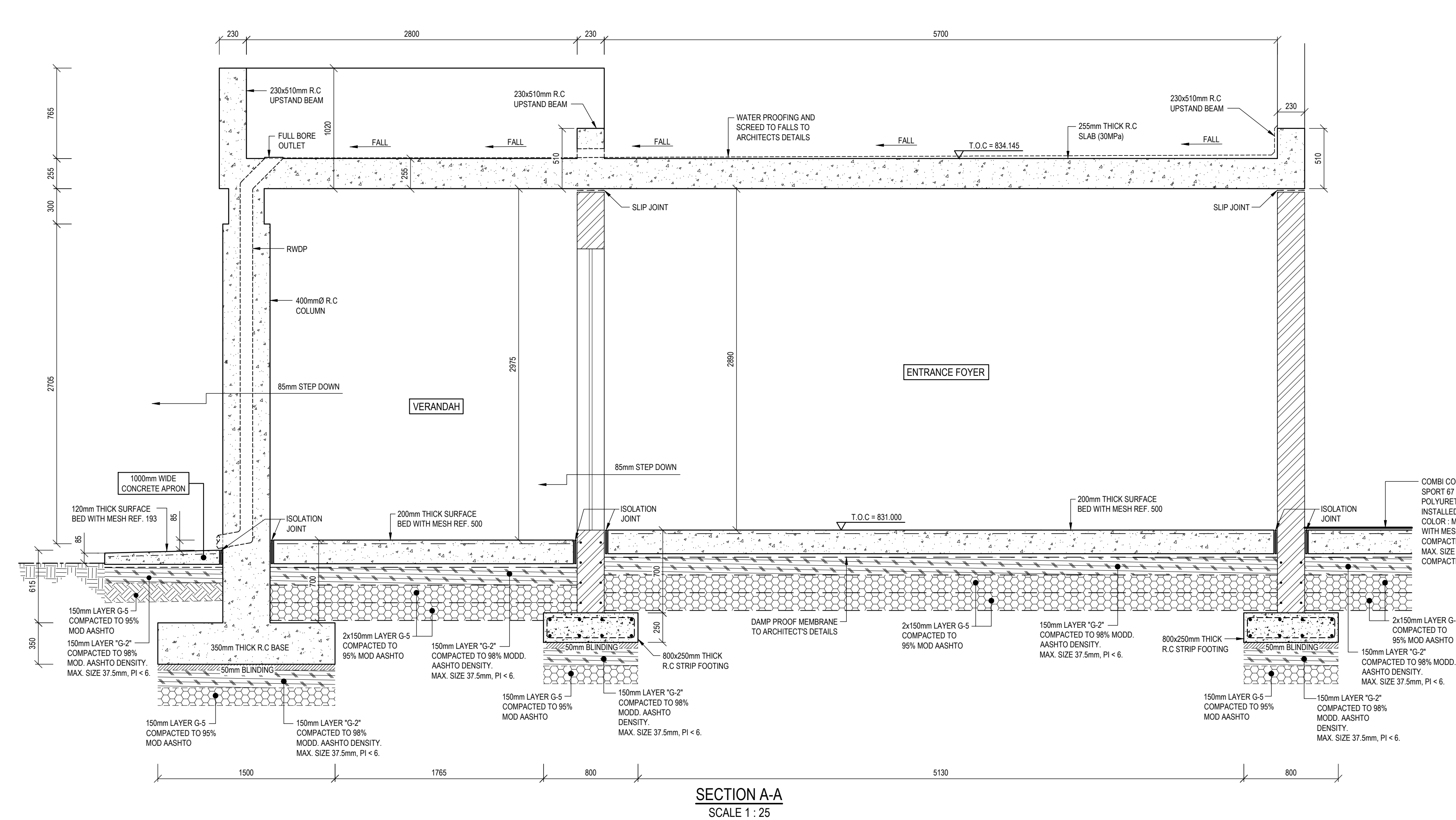
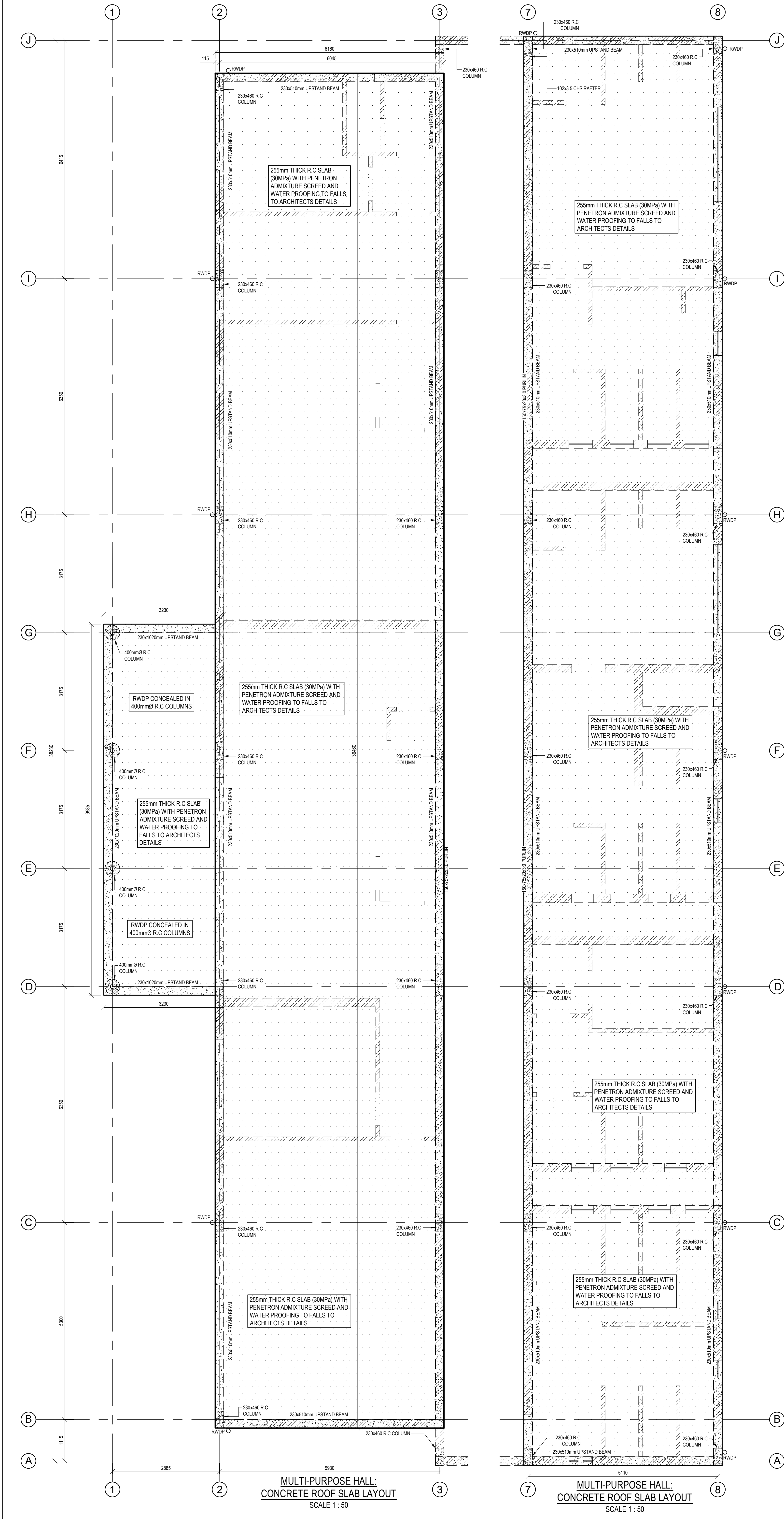
FOUNDATION TRENCHES:

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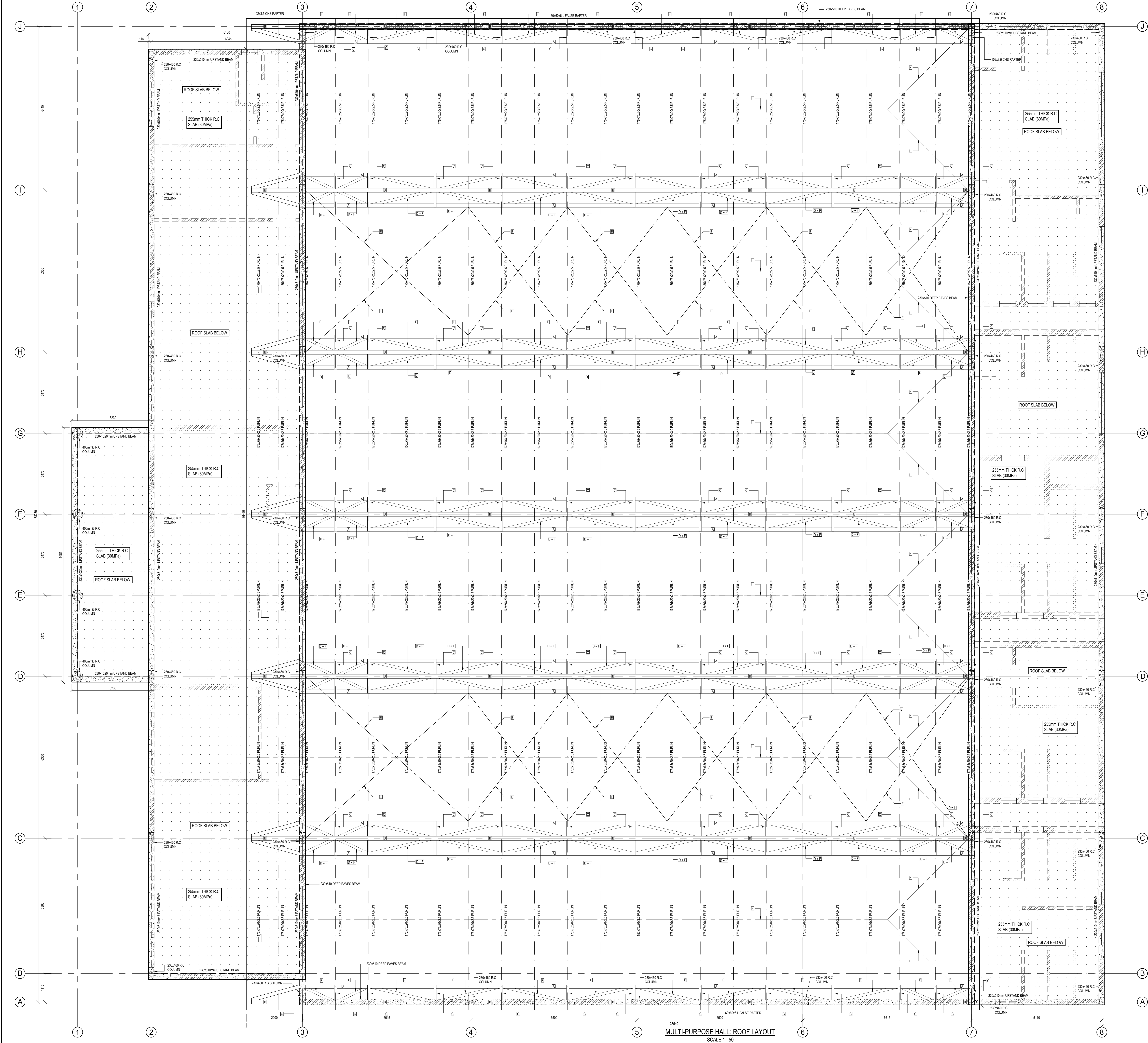
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CLIENT: WINNIE MADIKIZELA-MANDELA LOCAL MUNICIPALITY			
PROJECT: PROPOSED MPHUTHUMI MAFUMBATHA MULTI-PURPOSE CENTRE : MULTI-PURPOSE HALL			
DRAWING DESCRIPTION: MULTI-PURPOSE HALL: SURFACE BED LAYOUT			
PROJECT NUMBER	DRAWING NUMBER	DATE	REVISION
25131	311	06-10-2025	B



GENERAL NOTES:																																			
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4. UNLESS OTHER SHOWN, COVER TO OUTERMOST REINFORCEMENT IS: FOUNDATIONS 40mm SLAB 30mm																																			
5. FOUNDATION TRENCHES TO BE INSPECTED BY ENGINEER IN CHARGE PRIOR TO FIXING REINFORCING & POURING OF ANY CONCRETE.																																			
6. ALL REINFORCING TO BE INSPECTED BY ENGINEER IN CHARGE PRIOR TO POURING ANY CONCRETE.																																			
7. ALL SLEEVES & CONDUITS TO BE FIXED IN POSITION BEFORE CONCRETE CAN BE CAST. NO HOLES / NOTCHES / SLOTS TO BE FORMED IN CONCRETE UNLESS APPROVED BY THE ENGINEER.																																			
8. POURING OF CONCRETE DURING HOT OR COLD WEATHER MUST BE CARRIED OUT IN ACCORDANCE WITH THE APPROVED SPECIFICATION FROM SUPPLIER. METHOD STATEMENT FOR CURING TO BE SUBMITTED FOR APPROVAL.																																			
NATIONAL BUILDING REGULATIONS:																																			
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ENSURE THAT SHORING IN DEEP FOUNDATION EXCAVATION AND BANKS ARE BATTERED BACK TO A MINIMUM STABLE SLOPE OF 1:1.5.																																			
CONTRACTOR TO ENSURE EXCAVATIONS, EXISTING STRUCTURES & NEIGHBORING WALLS / BANKS ARE MADE SAFE BEFORE ANY WORK CAN COMMENCE.																																			
ISSUED FOR TENDER																																			
<table><tr><td>06-10-2025</td><td>ISSUED FOR TENDER</td><td>V.K.</td><td>B</td></tr><tr><td>26-09-2025</td><td>ISSUED FOR COSTING</td><td>V.K.</td><td>A</td></tr><tr><td>DATE</td><td>DESCRIPTION</td><td>BY</td><td>REV</td></tr><tr><td>DESIGN</td><td>V.K.</td><td></td><td></td></tr><tr><td>DRAWN</td><td>A.H.</td><td></td><td></td></tr><tr><td>CHECKED</td><td>D.N.</td><td></td><td></td></tr><tr><td>DATE ISSUED</td><td>26-09-2025</td><td>SHEET SIZE</td><td>A0</td></tr><tr><td colspan="4">SCALE AS SHOWN</td></tr></table>				06-10-2025	ISSUED FOR TENDER	V.K.	B	26-09-2025	ISSUED FOR COSTING	V.K.	A	DATE	DESCRIPTION	BY	REV	DESIGN	V.K.			DRAWN	A.H.			CHECKED	D.N.			DATE ISSUED	26-09-2025	SHEET SIZE	A0	SCALE AS SHOWN			
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CONSULTANT																																			
<table><tr><td> Consulting Engineers (Pty Ltd) CONSULTING ENGINEERS (PTY) LTD Pretoriusdam - Durban - Port Shepstone - Eastern Coast</td><td>215 ALPINE ROAD SPRINGFIELD, DURBAN, 4091 031 207 2506 082 468 6381 Vestel.K@kda.org.za</td></tr><tr><td></td><td>54 WOODPECKER ROAD, MOUNTAINVIEW, PIETERMARITZBURG, 3201 031 387 1730 084 988 4683 dhanashah@kda.org.za</td></tr></table>				 Consulting Engineers (Pty Ltd) CONSULTING ENGINEERS (PTY) LTD Pretoriusdam - Durban - Port Shepstone - Eastern Coast	215 ALPINE ROAD SPRINGFIELD, DURBAN, 4091 031 207 2506 082 468 6381 Vestel.K@kda.org.za		54 WOODPECKER ROAD, MOUNTAINVIEW, PIETERMARITZBURG, 3201 031 387 1730 084 988 4683 dhanashah@kda.org.za																												
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CLIENT: WINNIE MADIKIZELA-MANDELA LOCAL MUNICIPALITY																																			
PROJECT: PROPOSED MPHUTHUMI MAFUMBATHA MULTI-PURPOSE CENTRE : MULTI-PURPOSE HALL																																			
DRAWING DESCRIPTION: MULTI-PURPOSE HALL: CONCRETE ROOF LAYOUT, SECTIONS AND DETAILS																																			
<table><tr><td>PROJECT NUMBER</td><td>DRAWING NUMBER</td><td>DATE</td><td>REVISION</td></tr><tr><td>25131</td><td>312</td><td>06-10-2025</td><td>B</td></tr></table>				PROJECT NUMBER	DRAWING NUMBER	DATE	REVISION	25131	312	06-10-2025	B																								
PROJECT NUMBER	DRAWING NUMBER	DATE	REVISION																																
25131	312	06-10-2025	B																																



- A** - 165x6.0 C.H.S. BOTTOM CHORD
B - 165x6.0 C.H.S. TOP CHORD
C - 102x3.0 C.H.S. TIE CHORD
D + F - 102x3.0 C.H.S. DIAGONAL MEMBERS
E - 76x3.5 C.H.S. CROSS BRACING
F - 102x3.0 C.H.S. DIAGONAL MEMBERS
G - 175x75x20x2.5 PURLIN
H - 50x50x4 SAG L

GENERAL NOTES:

- THIS DRAWING PROVIDES INFORMATION RELATED TO THE FORM OF WORKS WHEN COMPLETED TOGETHER WITH GUIDANCE, WHERE FUNDAMENTAL TO THE DESIGN, FOR THE SEQUENCE OF CONSTRUCTION. THIS DRAWING DOES NOT PURPORT TO INCLUDE ANY NECESSARY PRECAUTIONS, ITEMS OR COMPONENTS REQUIRED FOR CONSTRUCTION SAFETY. ALL SUCH PRECAUTIONS MUST BE TAKEN AND ITEMS OR COMPONENTS SUPPLIED BY THE CONTRACTOR.
- ALL WORK SHALL BE IN ACCORDANCE WITH SABS 1200 G CONCRETE & SANS 10408 IN CONJUNCTION WITH NBRIC STANDARDS.
- NO CONSTRUCTION TO COMMENCE UNTIL THE MUNICIPALITY RELEVANT AUTHORITY / PROPERTY OWNER / WAY LEAVE HAS GRANTED APPROVAL OF THE DRAWINGS.
- READ THE DRAWINGS IN CONJUNCTION WITH THE ARCHITECTURAL DRAWINGS, ALL RELEVANT SPECIFICATIONS, AND SERVICE DRAWINGS. ANY UNCERTAINTIES IN THE SPECIFICATIONS OR ON DRAWINGS MUST BE REPORTED TO THE ENGINEER AS SOON AS POSSIBLE. ANY DISCREPANCIES BETWEEN THE SPECIFICATIONS AND THE DRAWING MUST BE REPORTED TO THE ENGINEER.
- ALL DIMENSION, LEVELS AND EXISTING SERVICES TO BE PROVEN AND CLEARLY MARKED BEFORE WORK CAN BEGIN.

STEELWORKS NOTES:

- STRUCTURAL STEELWORKS SHALL COMPLY WITH THE REQUIREMENTS OF SABS 1200H, SANS 100160 PART 1 & 2 AND PROJECT SPECIFICATION.
- ALL STEELWORK SHALL BE GRADE S355JR U.O.N.
- ALL FIXING BOLTS FOR STRUCTURAL STEELWORKS SHALL BE M20 GRADE 8.8 BOLTS U.O.N.
- ALL WELDS SHALL BE 6mm CONTINUOUS FILLET WELD U.O.N.
- WORK SHOP DRAWINGS TO BE SUBMITTED TO ENGINEER AND ARCHITECT FOR APPROVAL PRIOR TO FABRICATION.
- ALL STEEL WORK TO BE SAND BLASTED TO SA 2.5 AND PAINTED WITH ZINC RICH PRIMER AND TWO FINISHING COATS (TOTAL DFT = 150 MICRONS).
- ALL STEEL WORK TO BE HOT DIPPED GALVANIZED (HEAVY DUTY) TO ISO 1461. GALVANIZED SURFACES TO BE CLEANED WITH PLASCON 'GALVKLEEN' BY MEANS OF SCOTCHBRITE PADS (OR SIMILAR APPROVED), RINSED WITH CLEAN WATER AND ALLOWED TO DRY.
- REPAIRS TO HOT DIP GALVANISING SHALL BE DONE USING GALVPATCH APPLIED IN ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS
- ALL DIMENSIONS TO BE CHECKED ON SITE.

NATIONAL BUILDING REGULATIONS:

ALL WORK TO BE CARRIED OUT IN ACCORDANCE WITH THE NATIONAL BUILDING REGULATIONS, ENVIRONMENTAL AND OCCUPATIONAL HEALTH AND SAFETY ACT, AND THE CONSTRUCTION REGULATIONS.

THE MAIN CONTRACTOR IS TO ENSURE THAT A COMPETENT PERSON, APPROVED BY THE SOUTH AFRICAN QUALIFICATION AUTHORITY SUPERVISES AND APPROVES ALL ASPECTS OF THE REQUIREMENTS OF THE OCCUPATIONAL HEALTH AND SAFETY ACT. ALL TO COMPLY WITH THE LATEST REVISION.

ISSUED FOR TENDER

06-10-2025	ISSUED FOR TENDER	V.K.	A
DATE	DESCRIPTION	BY	REV

DESIGN	V.K.
DRAWN	A.H.
CHECKED	D.N.

DATE ISSUED	06-10-2025	SHEET SIZE	A0
SCALE AS SHOWN			

CONSULTANT



KDA
Consulting Engineers (Pty Ltd)
CONSULTANTS FOR CONSTRUCTION PROJECT DEVELOPMENT SERVICES
Pretoria/Johannesburg - Durban - Port Shepstone - Eastern Cape

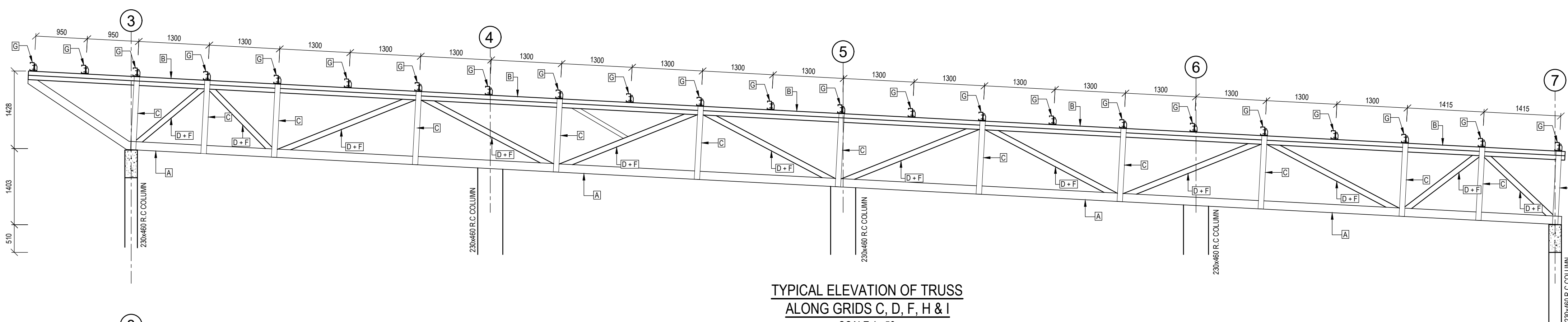
215 ALPINE ROAD
SPRINGFIELD, DURBAN, 4091
031 207 2506 | 082 468 6381 |
Veshal.K@kda.org.za

54 WOODPECKER ROAD,
MOUNTVIEW,
PIETERMARITZBURG, 3201
033 387 1730 | 084 988 4693 |
dhanashan@kda.org.za

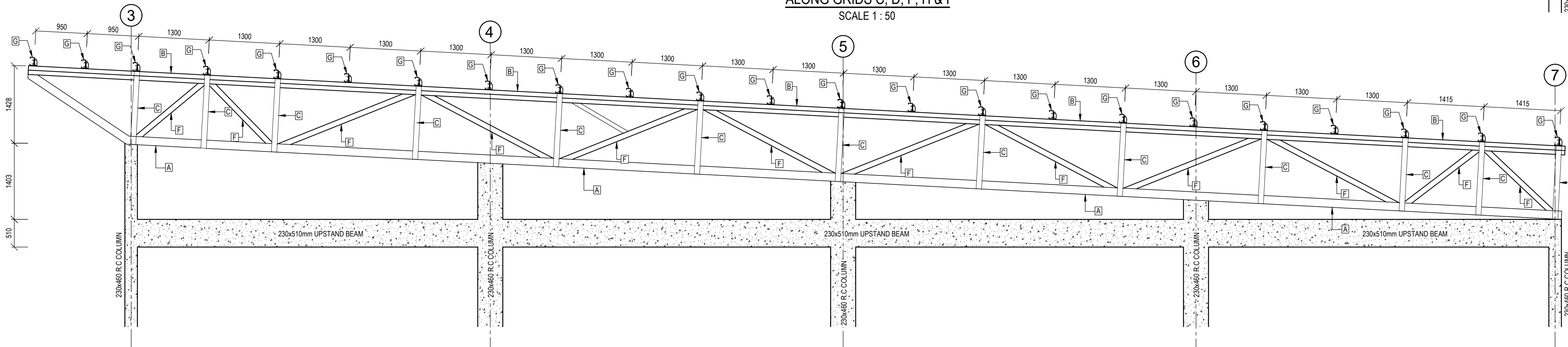
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CLIENT:
WINNIE MADIKIZELA-MANDELA LOCAL MUNICIPALITY
PROJECT:
PROPOSED MPHUTHUMI MAFUMBATHA
MULTI-PURPOSE CENTRE : MULTI-PURPOSE HALL
DRAWING DESCRIPTION:
MULTI-PURPOSE HALL:
ROOF LAYOUT

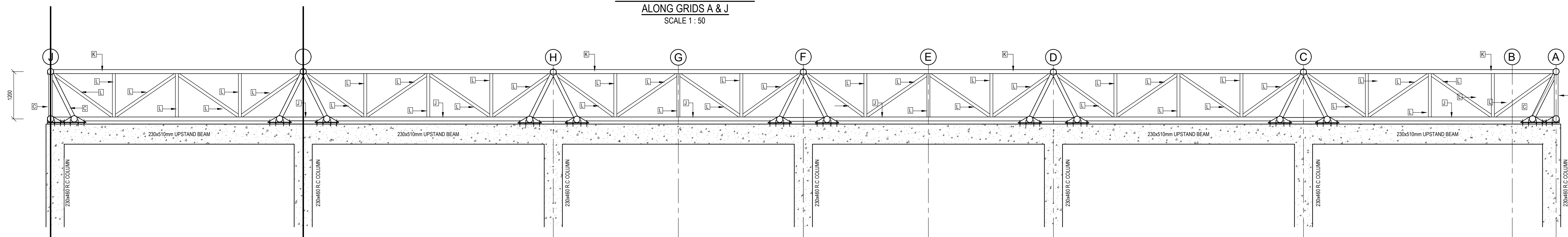
PROJECT NUMBER	DRAWING NUMBER	DATE	REVISION
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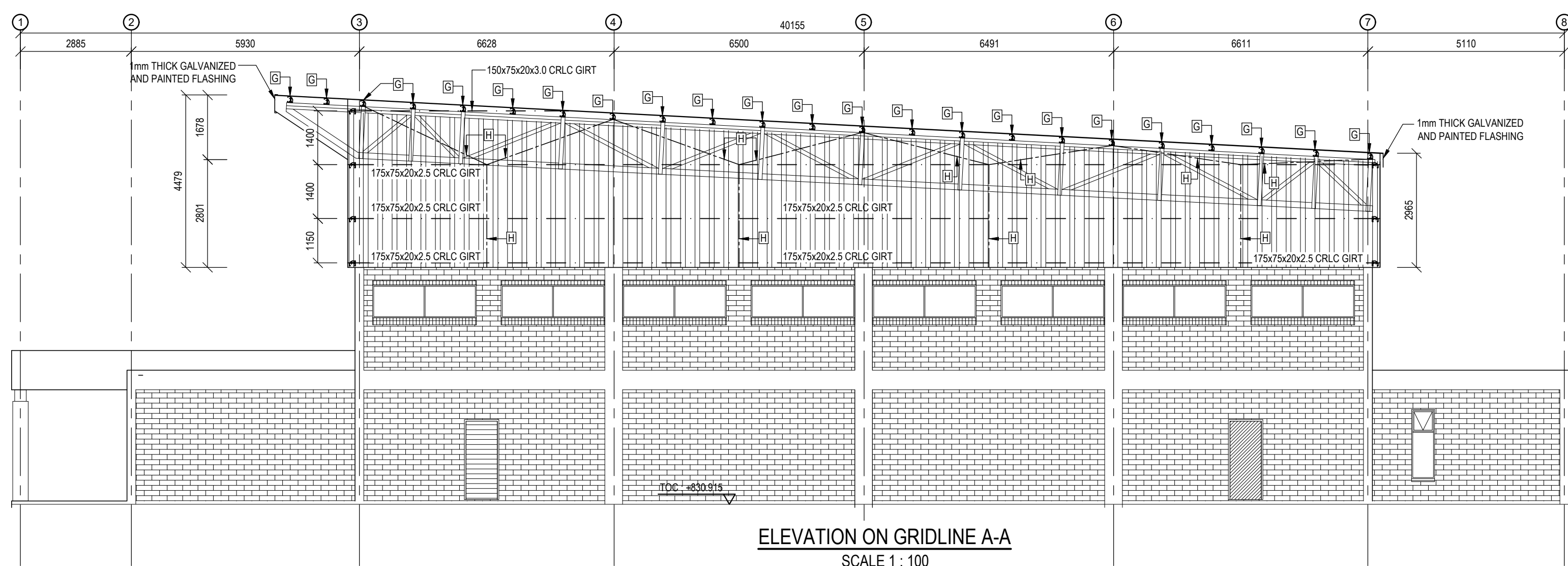
TYPICAL ELEVATION OF TRUSS
ALONG GRIDS C, D, F, H & I
SCALE 1 : 50



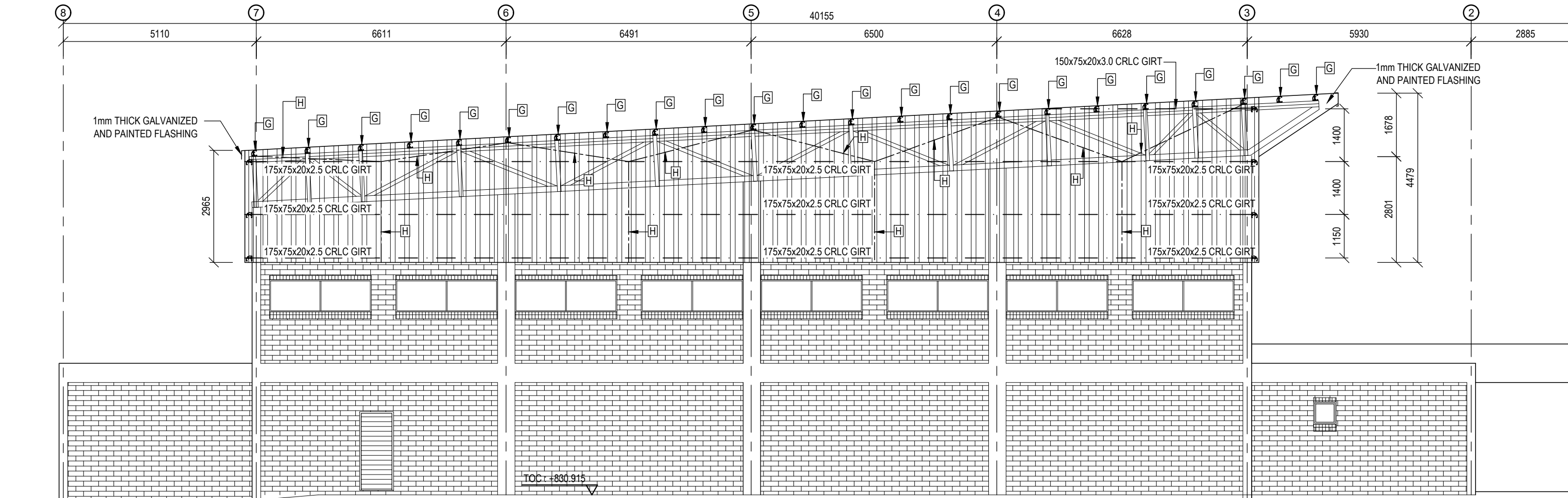
TYPICAL ELEVATION OF TRUSS
ALONG GRIDS A & J
SCALE 1 : 50



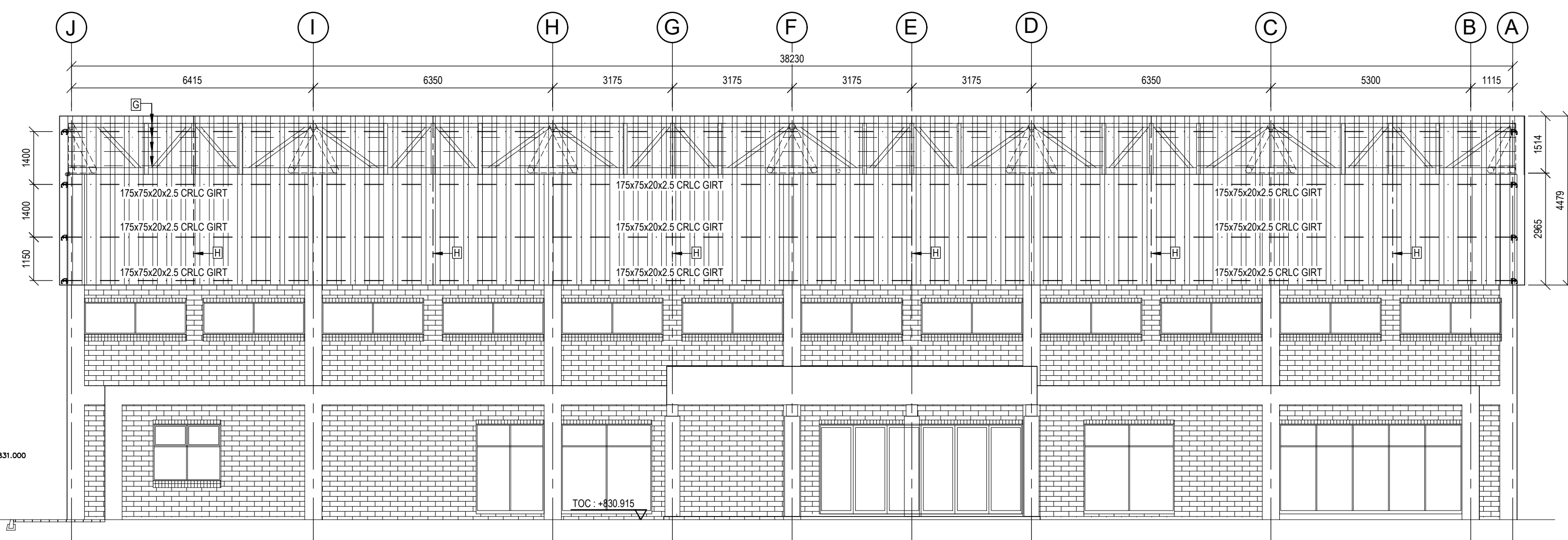
ELEVATION ON GRIDLINE 3 - 3
SHOWING ROOF TRUSSES
SCALE 1 : 50



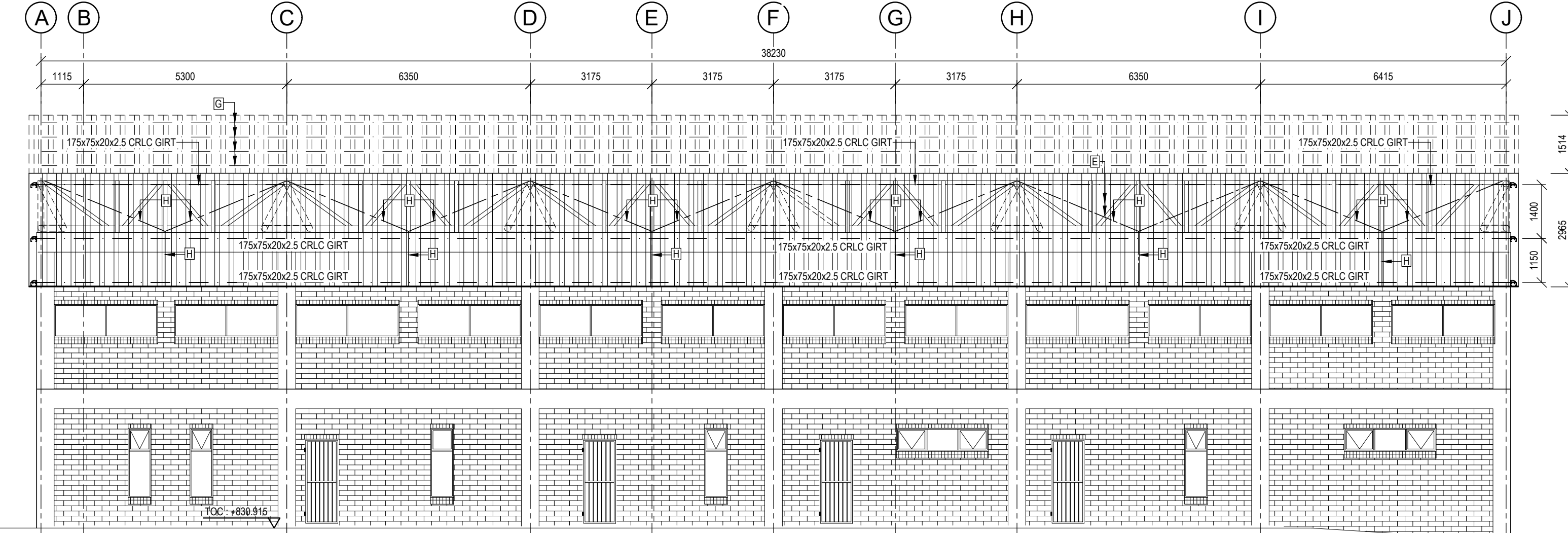
ELEVATION ON GRIDLINE A-A
SCALE 1 : 100



ELEVATION ON GRIDLINE J-J
SCALE 1 : 100

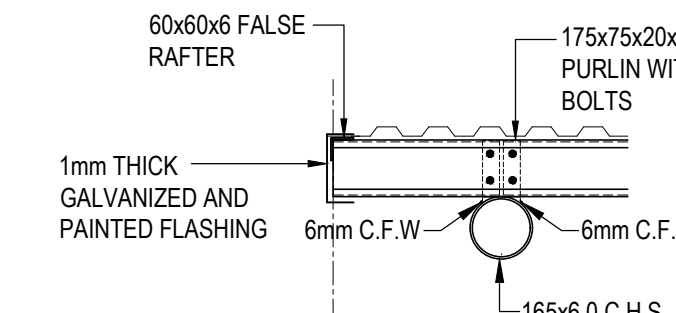


ELEVATION ON GRIDLINE 3-3
SCALE 1 : 100

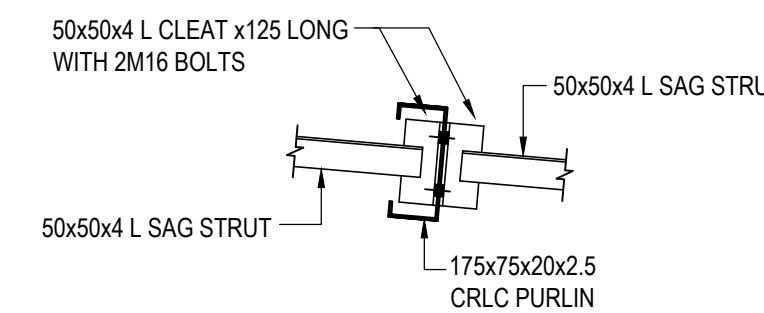


ELEVATION ON GRIDLINE 7-7
SCALE 1 : 100

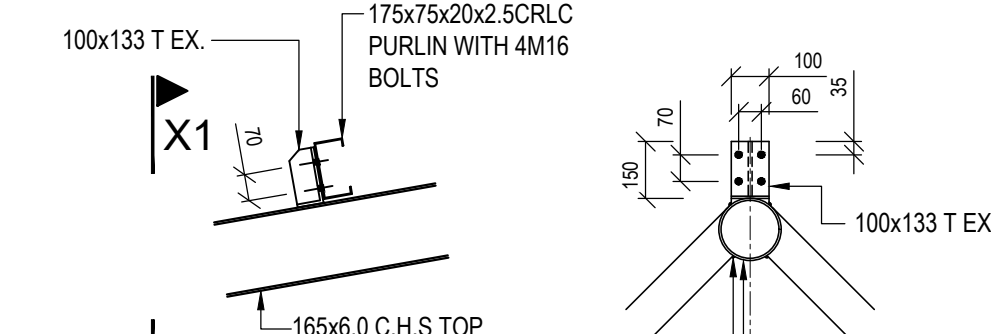
- A - 165x6.0 C.H.S BOTTOM CHORD
- B - 165x6.0 C.H.S TOP CHORD
- C - 102x3.0 C.H.S TIE CHORD
- D + F - 102x3.0 C.H.S DIAGONAL MEMBERS
- E - 76x3.5 C.H.S CROSS BRACING
- F - 102x3.0 C.H.S DIAGONAL MEMBERS
- G - 175x75x20x2.5 PURLIN
- H - 50x50x4 SAG L



FALSE RAFTER DETAIL
SCALE 1 : 20

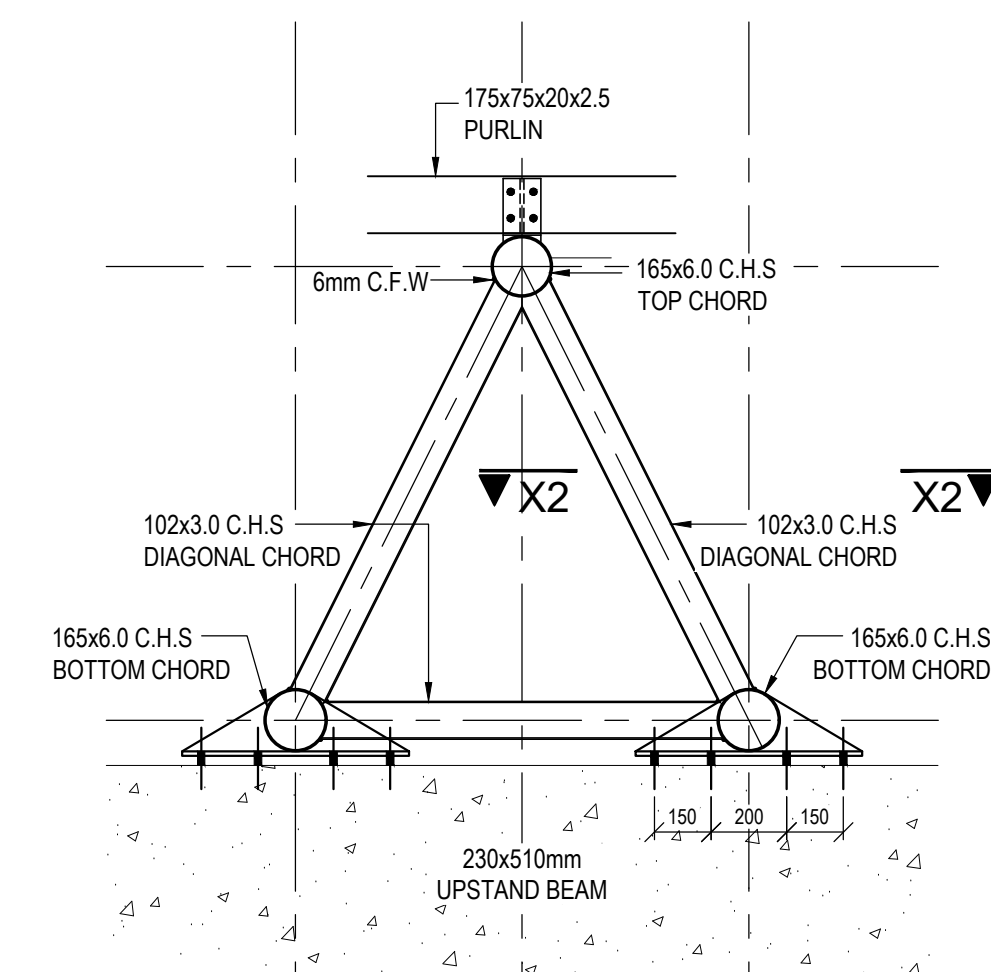


SAG STRUT END CONNECTION
SCALE 1 : 10

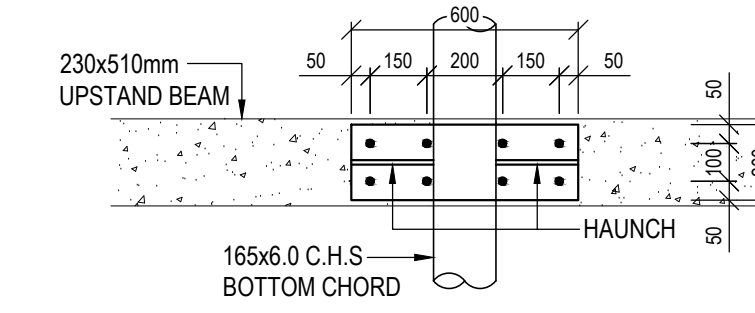


PURLIN DETAIL
SCALE 1 : 20

SECTION X1-X1
SCALE 1 : 20



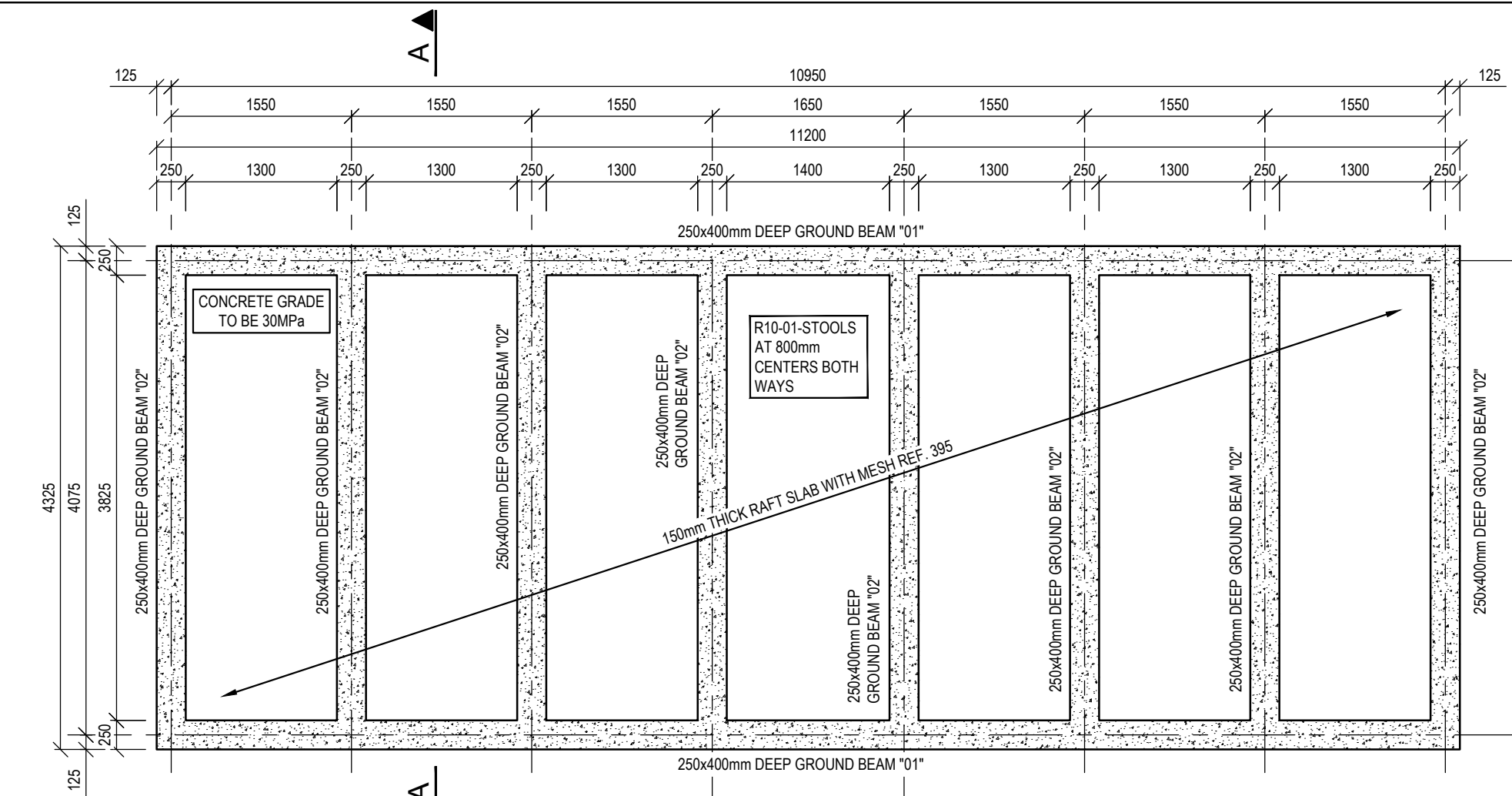
TYPICAL CONNECTION DETAIL
SCALE 1 : 20



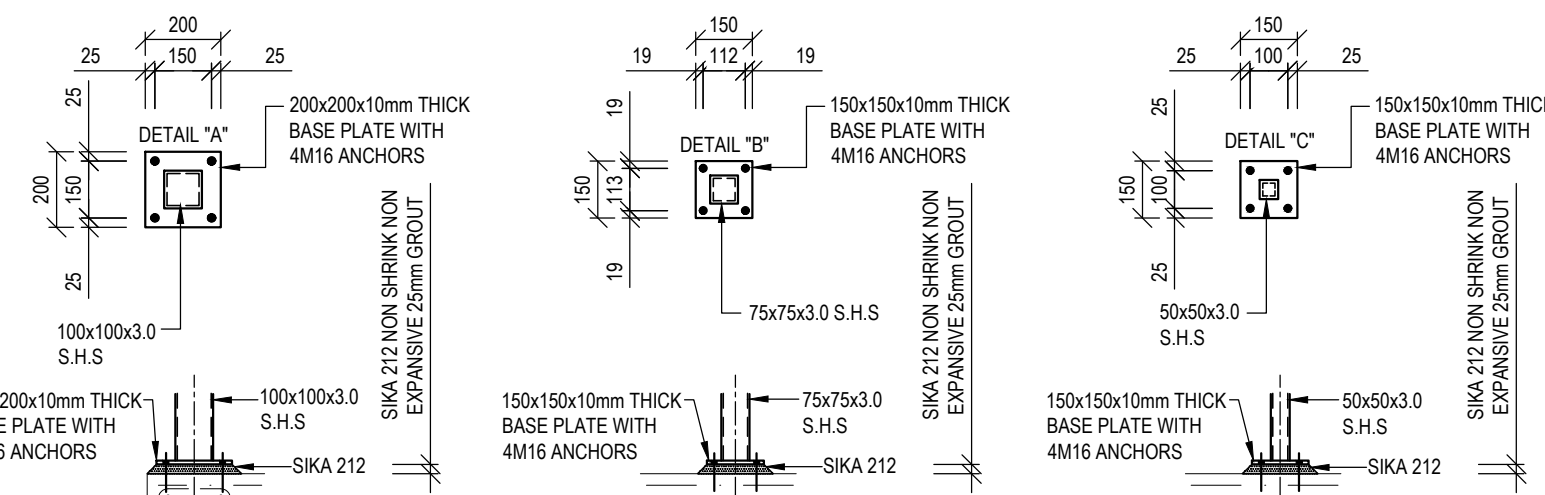
SECTION X2-X2
SCALE 1 : 20

ISSUED FOR TENDER

06-10-2025	ISSUED FOR TENDER	V.K.	A
DATE	DESCRIPTION	BY	REV
DESIGN	V.K.		
DRAWN	A.H.		
CHECKED	D.N.		
DATE ISSUED	06-10-2025	SHEET SIZE	A0
SCALE AS SHOWN			
CONSULTANT			
 215 ALPINE ROAD SPRINGFIELD, DURBAN, 4091 031 207 2506 082 468 6381 vesha.k@kda.org.za 54 WOODPECKER ROAD, MOUNTVIEW, PIETERMARITZBURG, 3201 033 387 1730 084 988 4693 dhanashan@kda.org.za			
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CLIENT: WINNIE MADIKIZELA-MANDELA LOCAL MUNICIPALITY			
PROJECT: PROPOSED MPHUTHUMI MAFUMBATHA MULTI-PURPOSE CENTRE : MULTI-PURPOSE HALL			
DRAWING DESCRIPTION: MULTI-PURPOSE HALL: SECTIONS, ELEVATIONS AND DETAILS			
PROJECT NUMBER	DRAWING NUMBER	DATE	REVISION
25131	314	06-10-2025	A



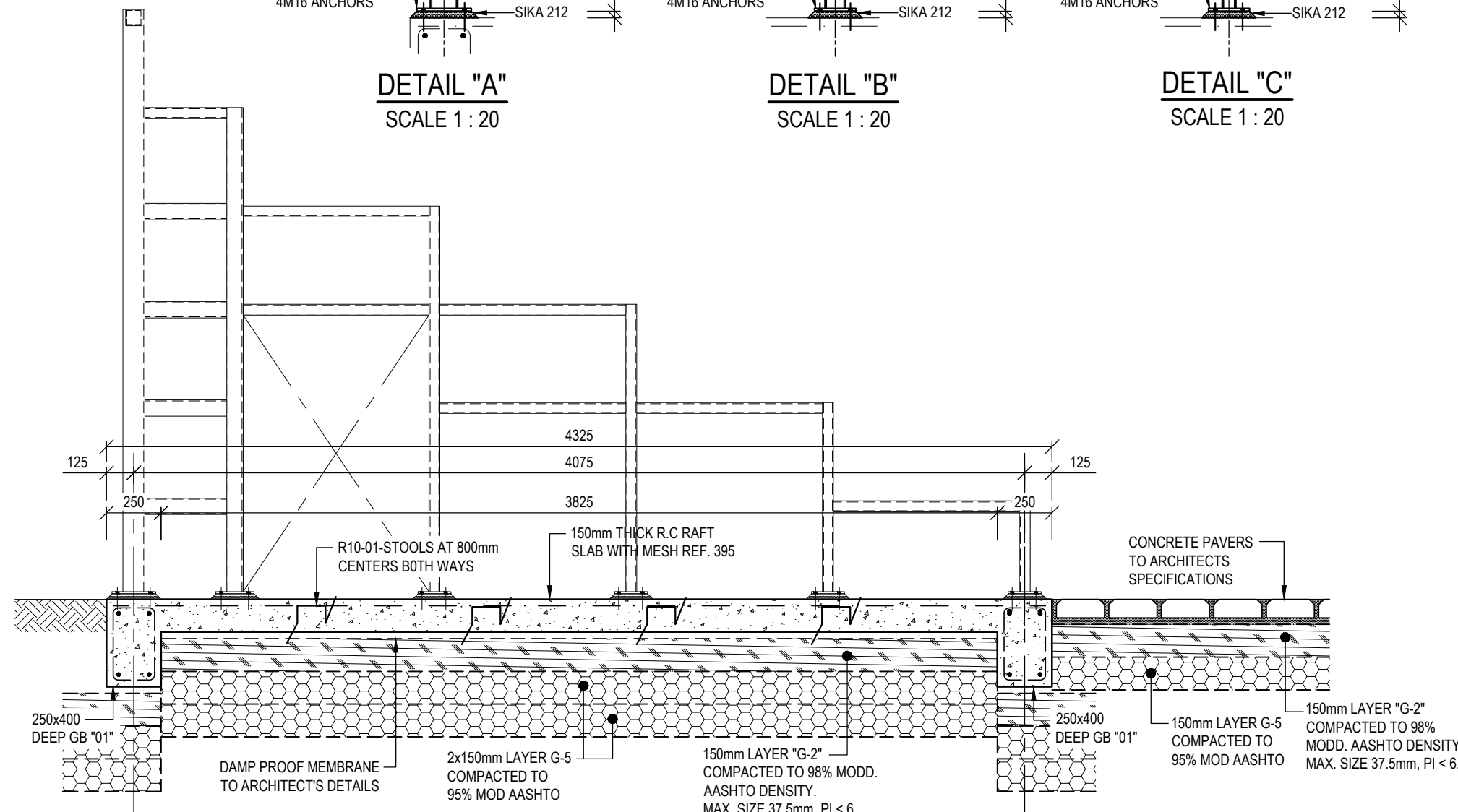
GRAND STAND RAFT SLAB LAYOUT
(PER STAND)
SCALE 1 : 50



DETAIL "A"
SCALE 1 : 20

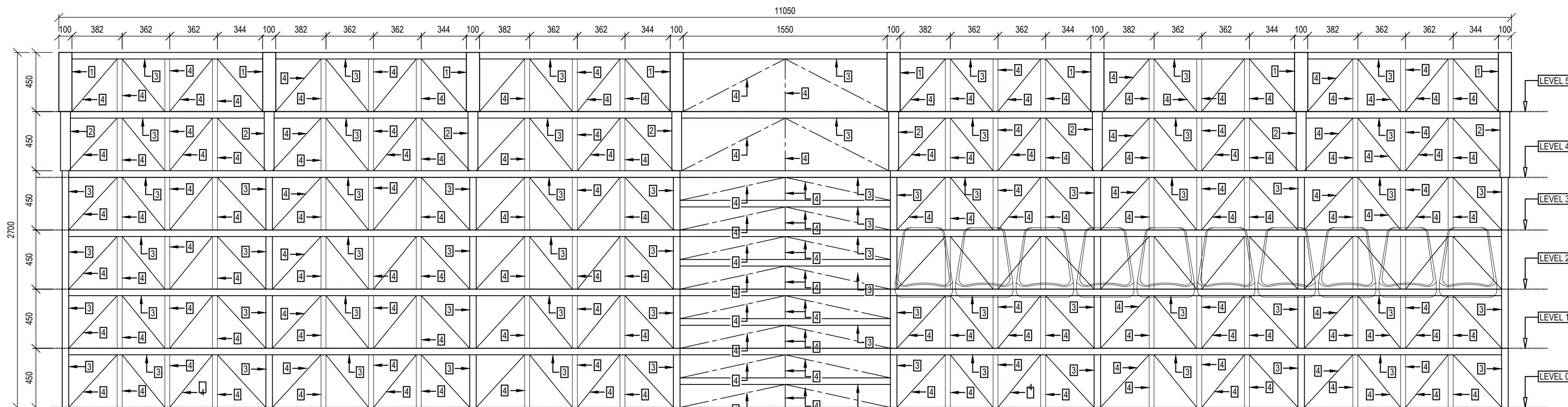
DETAIL "B"
SCALE 1 : 20

DETAIL "C"
SCALE 1 : 20

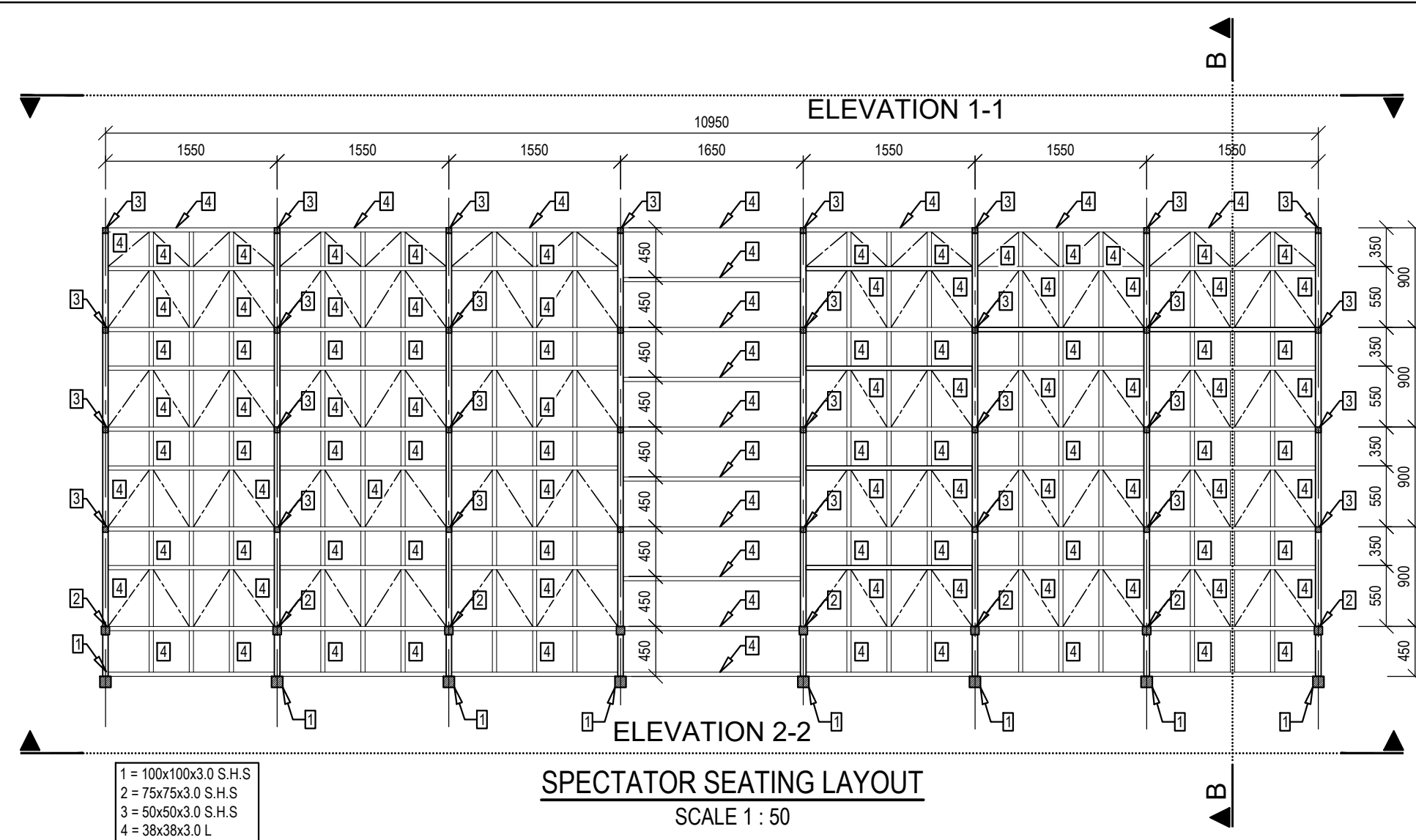


SECTION A-A
SCALE 1 : 25

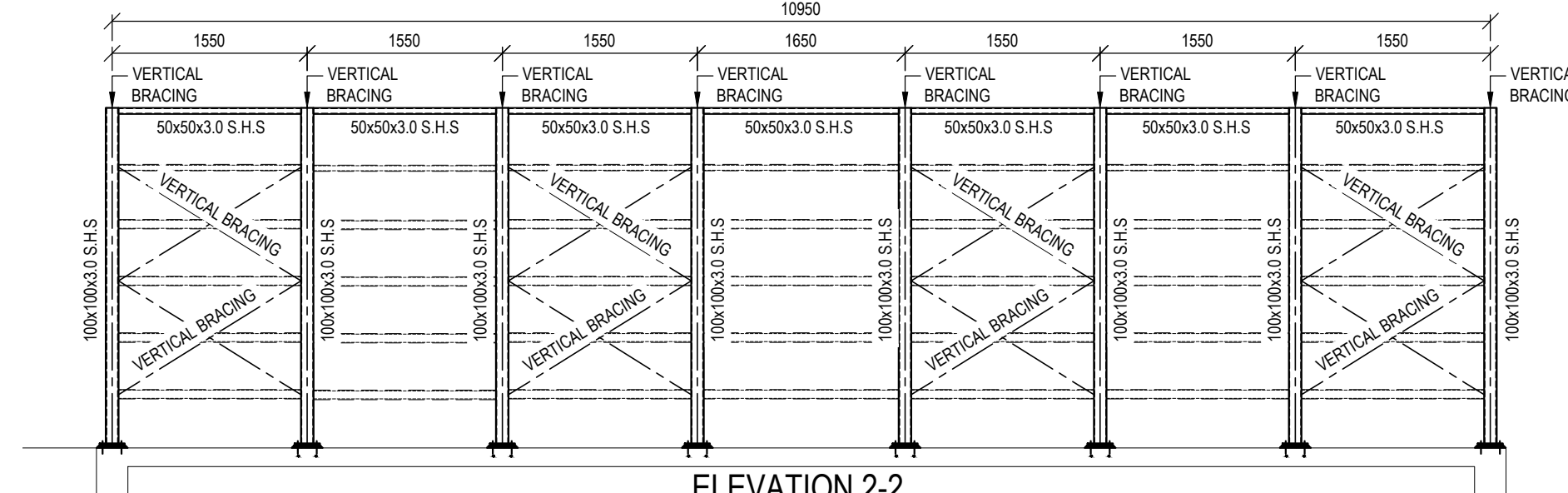
1 = 100x100x3.0 S.H.S
2 = 75x75x3.0 S.H.S
3 = 50x50x3.0 S.H.S
4 = 38x38x3.0 L



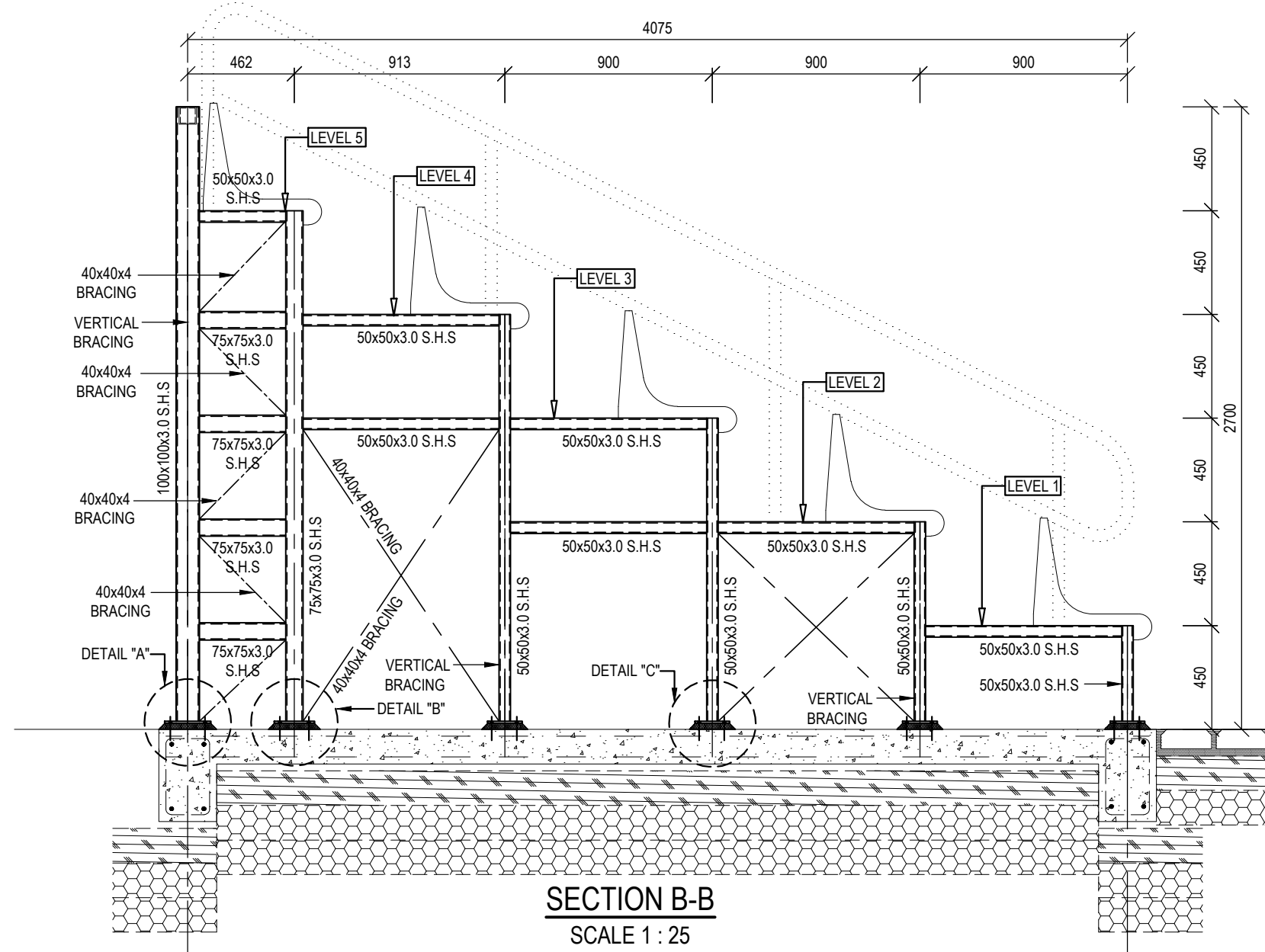
ELEVATION 1-1
SCALE 1 : 25



SPECTATOR SEATING LAYOUT
SCALE 1 : 50



ELEVATION 2-2
SCALE 1 : 50



SECTION B-B
SCALE 1 : 25

CONCRETE NOTES:

1. ALL DIMENSIONS ARE IN MILLIMETERS (mm) U.O.S.
2. CONCRETE GRADES AT 28 DAYS :
BLINDING 10/19 MPa.
FOUNDATIONS, RETAINING WALLS, FLOOR SLABS, COLUMNS
AND BEAMS 25/19 MPa UNLESS U.O.S.
3. UNLESS OTHERWISE SHOWN, PROVIDE 25x25 CHAMFER, ON
EXTERNAL CORNER OF EXPOSED CONCRETE SURFACES LESS
THAN 120 DEGREES.
4. UNLESS OTHERWISE SHOWN, COVER TO OUTERMOST
REINFORCEMENT IS:
FOUNDATIONS 40mm
SLAB - 30mm
BEAMS - 30mm.
5. FOUNDATION TRENCHES TO BE INSPECTED BY ENGINEER IN
CHARGE PRIOR TO FIXING REINFORCING & POURING OF ANY
CONCRETE.
6. ALL SLEEVES & CONDUITS TO BE FIXED IN POSITION BEFORE
CONCRETE CAN BE CAST. NO HOLES / NOTCHES / SLOTS TO BE
FORMED IN CONCRETE UNLESS APPROVED BY THE ENGINEER.

STEELWORK NOTES:

1. STRUCTURAL STEELWORKS SHALL COMPLY WITH THE
REQUIREMENTS OF SABS 1200H, SANS 100160 PART 1 & 2 AND
PROJECT SPECIFICATION.
2. ALL STEELWORK SHALL BE GRADE S355JR U.O.N.
3. ALL FIXING BOLTS FOR STRUCTURAL STEELWORKS SHALL BE
M20 GRADE 8.8 BOLTS U.O.N.
4. ALL WELDS SHALL BE 6mm CONTINUOUS FILLET WELD U.O.N.
5. WORK SHOP DRAWINGS TO BE SUBMITTED TO ENGINEER
AND ARCHITECT FOR APPROVAL PRIOR TO FABRICATION.
6. ALL STEEL WORK TO BE SAND BLASTED TO SA 2.5 AND
PAINTED WITH ZINC RICH PRIMER AND TWO FINISHING COATS
(TOTAL DFT = 150 MICRONS).
7. ALL STEEL WORK TO BE HOT DIPPED GALVANIZED (HEAVY
DUTY) TO ISO 1461. GALVANIZED SURFACES TO BE CLEANED
WITH PLASCON "GALVKLEEN" BY MEANS OF SCOTCHBITE
PADS (OR SIMILAR APPROVED), RINSED WITH CLEAN WATER
AND ALLOWED TO DRY.
8. REPAIRS TO HOT DIP GALVANISING SHALL BE DONE USING
GALVPATCH APPLIED IN ACCORDANCE WITH THE
MANUFACTURER'S INSTRUCTIONS
9. ALL DIMENSIONS TO BE CHECKED ON SITE.

GENERAL NOTES:

1. THIS DRAWING PROVIDES INFORMATION RELATED TO THE
FORM OF WORKS WHEN COMPLETED TOGETHER WITH
GUIDANCE, WHERE FUNDAMENTAL TO THE DESIGN, FOR THE
SEQUENCE OF CONSTRUCTION. THIS DRAWING DOES NOT
PURPORT TO INCLUDE ANY NECESSARY PRECAUTIONS, ITEMS
OR COMPONENTS REQUIRED FOR CONSTRUCTION SAFETY.
ALL SUCH PRECAUTIONS MUST BE TAKEN AND ITEMS OR
COMPONENTS SUPPLIED BY THE CONTRACTOR.
 2. ALL WORK SHALL BE IN ACCORDANCE WITH SABS 1200 G
CONCRETE & SANS 10400 IN CONJUNCTION WITH NBRC
STANDARDS.
 3. NO CONSTRUCTION TO COMMENCE UNTIL THE MUNICIPALITY
RELEVANT AUTHORITY / PROPERTY OWNER / WAY LEAVE HAS
GRANTED APPROVAL OF THE DRAWINGS.
 4. READ THE DRAWINGS IN CONJUNCTION WITH THE
ARCHITECTURAL DRAWINGS, ALL RELEVANT SPECIFICATIONS,
AND SERVICE DRAWINGS. ANY UNCERTAINTIES IN THE
SPECIFICATIONS OR ON DRAWINGS MUST BE REPORTED TO
THE ENGINEER AS SOON AS POSSIBLE. ANY DISCREPANCIES
BETWEEN THE SPECIFICATIONS AND THE DRAWING MUST BE
REPORTED TO THE ENGINEER.
 5. THESE DRAWINGS MAY NOT BE COPIED OR RE-USED
WITHOUT THE WRITTEN CONSENT OF THE ENGINEER.
 6. ALL DIMENSION, LEVELS AND EXISTING SERVICES TO BE
PROVEN AND CLEARLY MARKED BEFORE AND WORK CAN
BEGIN.
- NATIONAL BUILDING REGULATIONS:**
- ALL WORK TO BE CARRIED OUT IN ACCORDANCE WITH THE
NATIONAL BUILDING REGULATIONS, ENVIRONMENTAL AND
OCCUPATIONAL HEALTH AND SAFETY ACT, AND THE
CONSTRUCTION REGULATIONS.
- THE MAIN CONTRACTOR IS TO ENSURE THAT A COMPETENT
PERSON, APPROVED BY THE SOUTH AFRICAN QUALIFICATION
AUTHORITY SUPERVISES AND APPROVES ALL ASPECTS OF THE
REQUIREMENTS OF THE OCCUPATIONAL HEALTH AND SAFETY
ACT. ALL TO COMPLY WITH THE LATEST REVISION.
- FOUNDATION TRENCHES:**
- ENSURE THAT SHORING IN DEEP FOUNDATION
EXCAVATION AND BANKS ARE BATTERED BACK TO A MINIMUM
STABLE SLOPE OF 1:1.5.
- CONTRACTOR TO ENSURE EXCAVATIONS, EXISTING
STRUCTURES & NEIGHBORING WALLS / BANKS ARE
MADE SAFE BEFORE ANY WORK CAN COMMENCE.
- MATERIAL TESTING AND COMPACTION**
1. CONCRETE CUBE TESTS TO BE TAKEN AND CRUSHED AT 7,
14 & 28 DAYS. TEST RESULTS TO BE FORWARDED TO THE
STRUCTURAL ENGINEER FOR APPROVAL. ONLY UPON
APPROVAL CAN SHUTTERING & PROPPING BE STRUCK.
 2. SCAFFOLDING PROPS TO REMAIN IN PLACE UNTIL
CONCRETE CUBE TESTS HAVE BEEN APPROVED BY THE
STRUCTURAL ENGINEER. MINIMUM OF 28 DAYS.
 3. COMPACTION TEST RESULTS TESTS TO BE FORWARDED TO
THE ENGINEER FOR APPROVAL.
FOR ENGINEERED LAYER WORKS, RESULTS TO BE APPROVED
BY THE ENGINEER PRIOR TO PROCEEDING WITH LAYER WORKS
ABOVE.

ISSUED FOR TENDER

DATE	DESCRIPTION	BY	REV
06-10-2025	ISSUED FOR TENDER	V.K.	A
DATE	DESCRIPTION	BY	REV
DESIGN	V.K.		
DRAWN	A.H.		
CHECKED	D.N.		
DATE ISSUED	06-10-2025	SHEET SIZE	A1
SCALE AS SHOWN			

CONSULTANT			
 Consulting Engineers Pty (Ltd) 215 ALPINE ROAD SPRINGFIELD, DURBAN 4091 031 207 2926 082 468 6381 Veshall.K@kda.org.za			
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CLIENT: WINNIE MADIKIZELA-MANDELA LOCAL MUNICIPALITY			
PROJECT: PROPOSED MPHUTHUMI MAFUMBATHA MULTI-PURPOSE CENTRE : SPECTATOR SEATING AREA			
DRAWING DESCRIPTION: SPECTATOR SEATING AREA: RAFT SLAB LAYOUT, SECTIONS, DETAILS AND ELEVATION			
PROJECT NUMBER	DRAWING NUMBER	DATE	REVISION
25131	316	06-10-2025	A