

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 KIKUYI GRASS
	15mm RUBBER STOBITAN SANDWICH SYSTEM ON 40mm THICK ASPHALT ON APPROVED SUB-LAYERS TO PR. ENG'S DETAILS

FUNDED BY DSARC:	
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	: 26.380 m ²
FOYER & OFFICE	: 216,228 m ²
CHANGE RM & ABLUTIONS	: 196.531 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

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

FEMALE - 06 WC
04 WHB
04 SHOWERS

PUBLIC SUBJECT TO PEAK DEMAND (250)
MALE - 02 WC
04 URINALS
04 WHB

FEMALE - 07 WC
04 WHB



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- 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, THE FOUNDATIONS SHALL BE DESIGNED FOR SOIL CONDITIONS, AND THEN ALL FOUNDATIONS ARE TO BE BUILT TO PROFESSIONAL ENGINEERS DETAILS AND UNDER HIS SUPERVISION
- 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
- GLASS THICKNESS TO COMPLY WITH IN2
- ALL GLAZING IN ALUMINIUM FRAMEWORK TO BE IN2 REQUIRED
- ONLY FIGURED DIMENSIONS TO BE USED ON ALL DRAWINGS

NOTE:
EXTENT OF ADDITIONAL FIELD APPROVED BY
WINNIE MADIKIZELA-MANDELA LOCAL MUNICIPALITY

REPRESENTATIVE:

SIGNATURE : _____

DESIGNATION :

DATE :

No.	BY	DATE	REVISION
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COPYRIGHT ACT. (ACT 98 OF 1978)

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

DRAWING:
SITE DEVELOPMENT PLAN - 1:500

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

CLIENT'S SIGNATURE



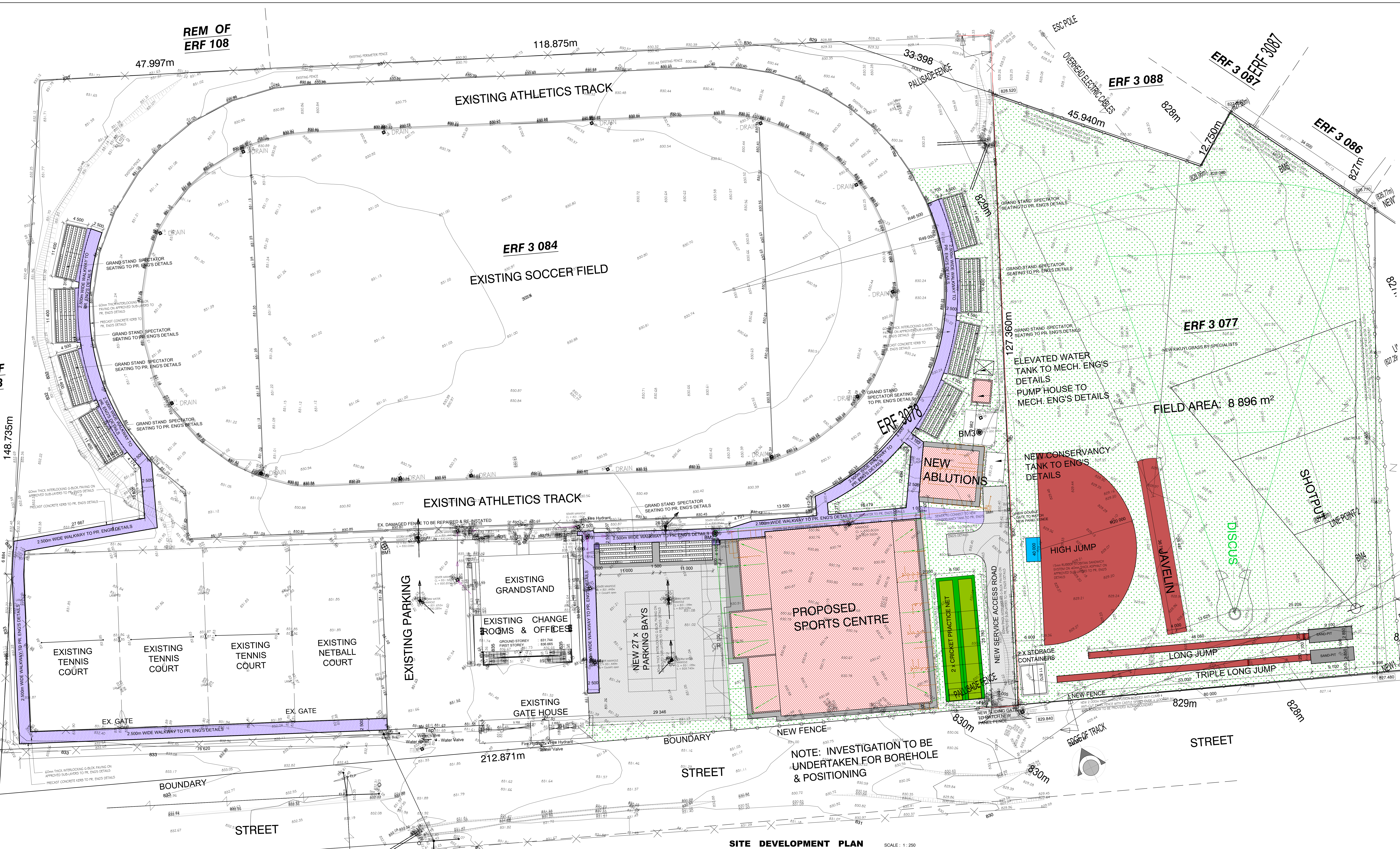
ARCHITECTURE & PROJECT MANAGEMENT

HEAD OFFICE: KWA-ZULU NATAL
SUITE 1, BISSET HOUSE
48 BISSET STREET
PORT SHEPSTONE, 4240
TEL : 039 032 0003
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BRANCH: EASTERN CAPE
SEAVIEW CENTRE
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

JOB No. MLM 05	SHEET No. SDP 01	REV. C
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GENERAL NOTES:

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- FACE-BRICK PLUMB 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

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

DRAWING:
SITE DEVELOPMENT PLAN - 1:250

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

NO. BY DATE REVISION

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CLIENT'S SIGNATURE

VHB ASSOCIATES
ARCHITECTURE & PROJECT MANAGEMENT

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BIZANA, 4850
TEL: 039 251 0619
FAX: 039 277 7719

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

SHEET NO: **MLM 05**
SDP 02
REV: **C**



REINFORCED CONCRETE SURFACE BED TO
PR. ENG'S DETAILS _____



— GALVANIZED STEEL POSTS & BRACING TO PR.
ENG'S DETAILS

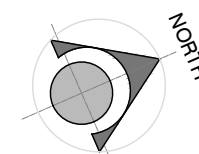


11mm PITCH OLIVE GREEN
POLYETHYLENE GRASS BY BELGOTEX

— 2.5mm POLYETHYLENE TWIST, 45mm MESH
CRICKET NET FITTED TO GALVANIZED STEEL POSTS

 GALVANIZED STEEL POSTS TO PR. ENG'S DETAILS

25 000



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- GLASS THICKNESS TO COMPLY WITH NN2
- SAFETY GLAZING IN ACCORDANCE WITH NN3 REQUIRED
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C	JD	29.09.25	DRAWING CO-ORDINATED WITH ENGINEERS DRAWINGS	
No.	BY	DATE	REVISION	

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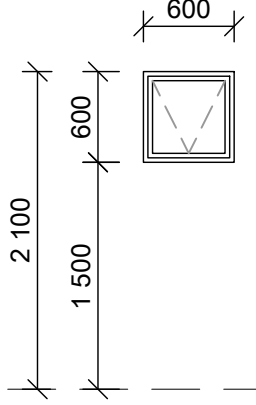
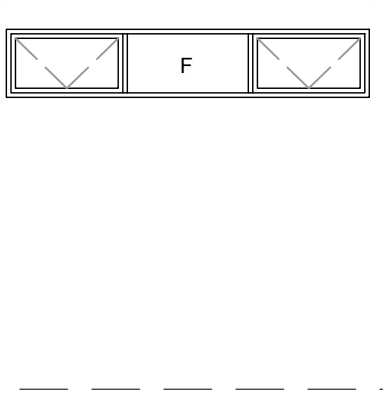
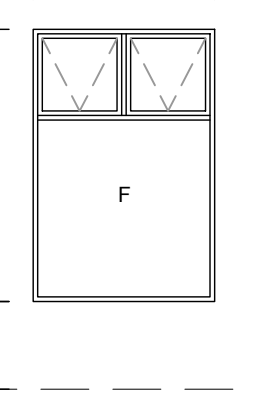
✉ P. O. BOX 455, PORT SHEPSTONE, 4240
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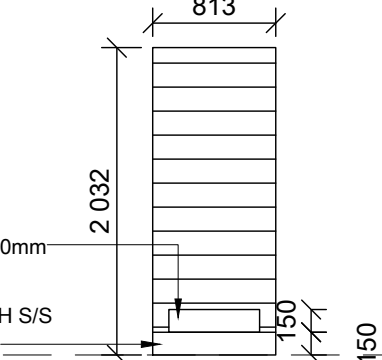
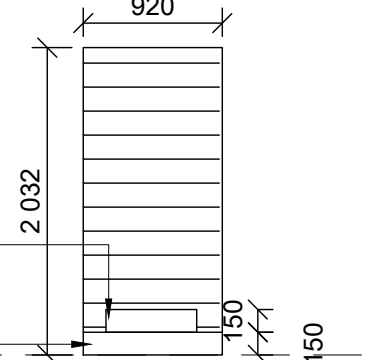
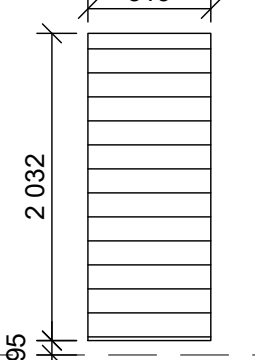
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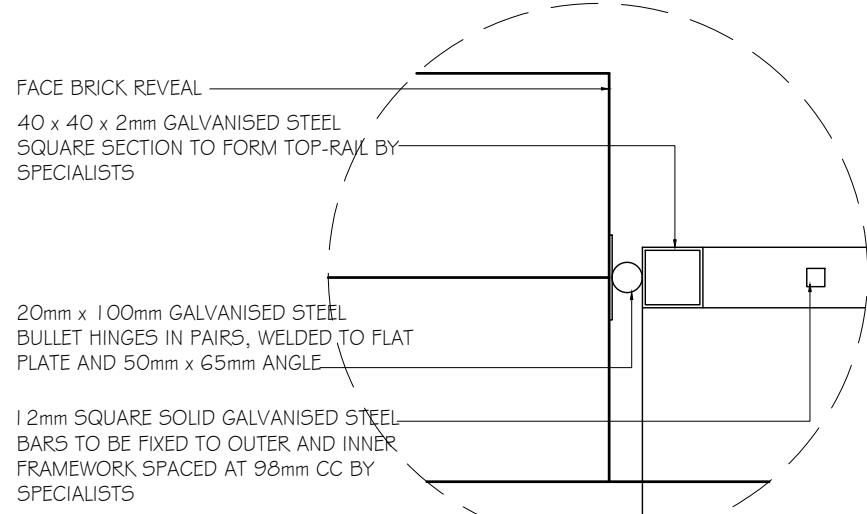
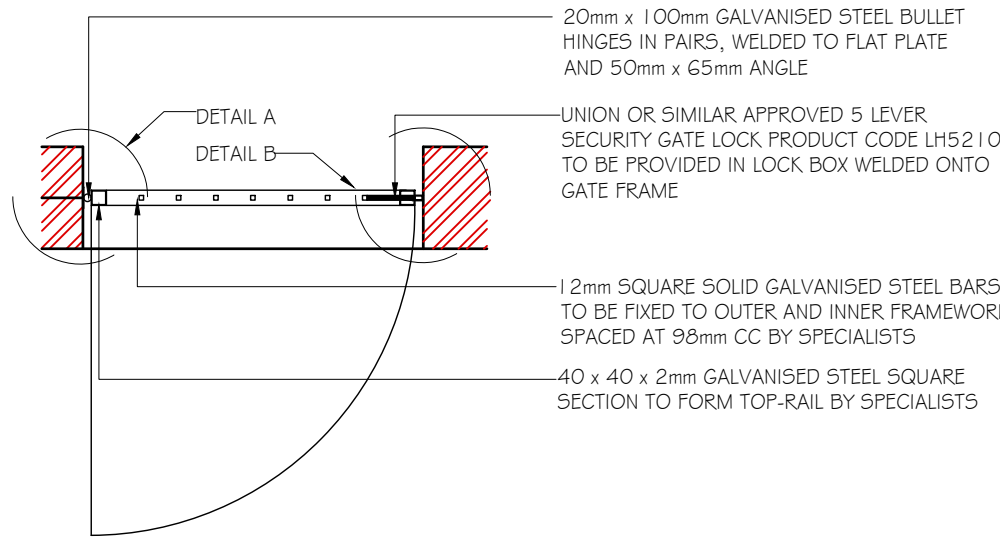
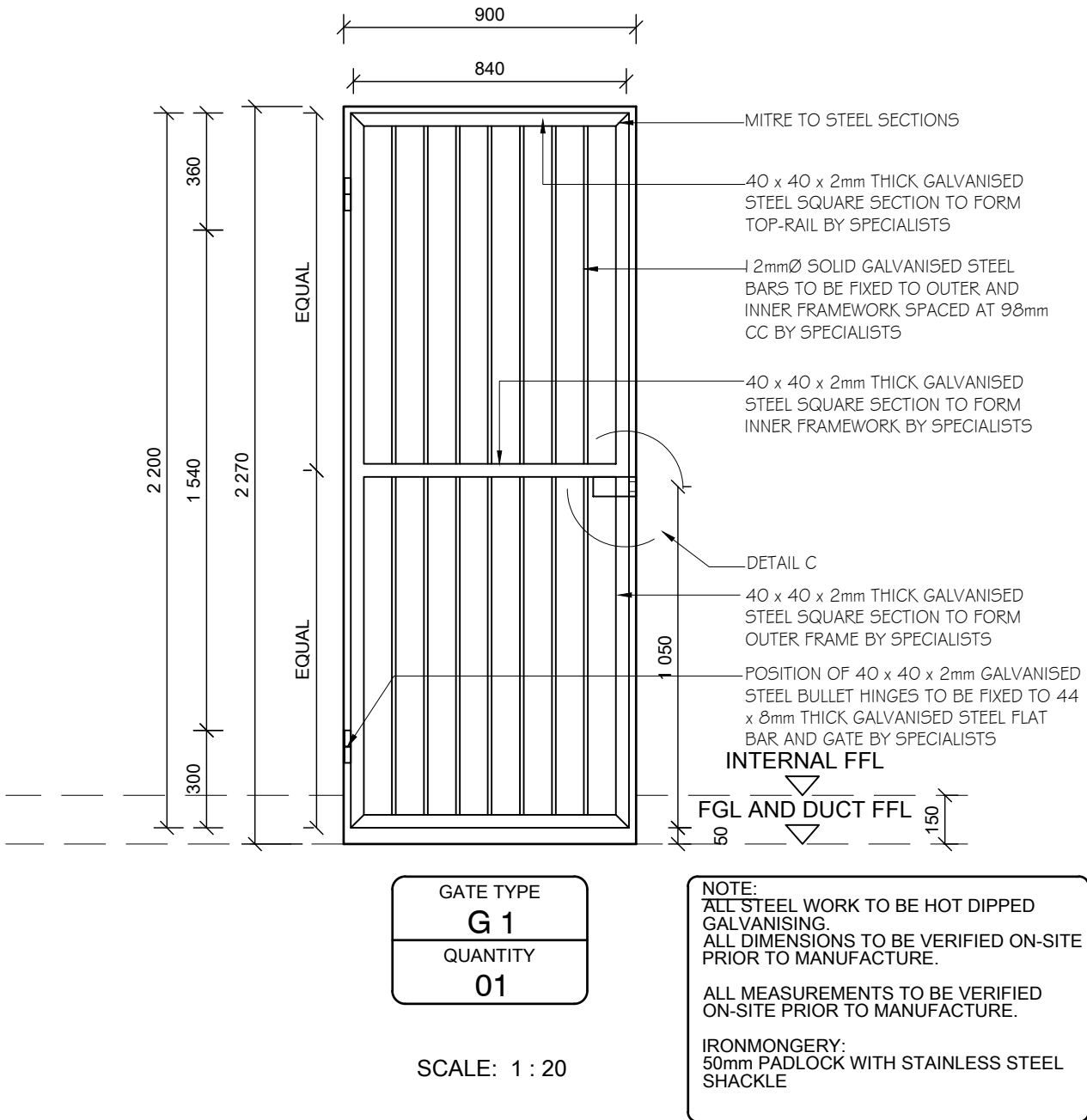
DRAWING:

CRICKET PRACTICE NETS

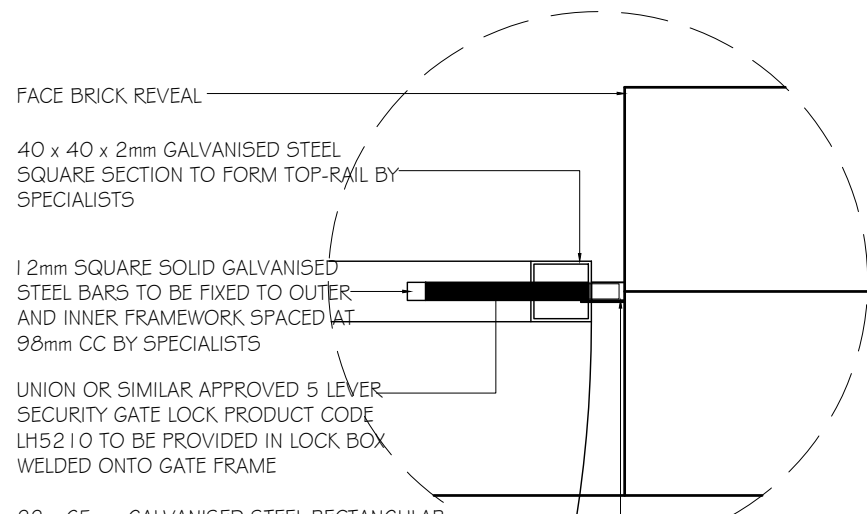
DESIGNED	V. BRIDGLALL	DATE	JUNE 2025
DRAWN	J. DUKI	SCALE	AS SHOWN
CHECKED	V. BRIDGLALL		SHEET No. A2
JOB No.	SHEET No.	REV.	
MLM 05	CW 01	C	

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.	

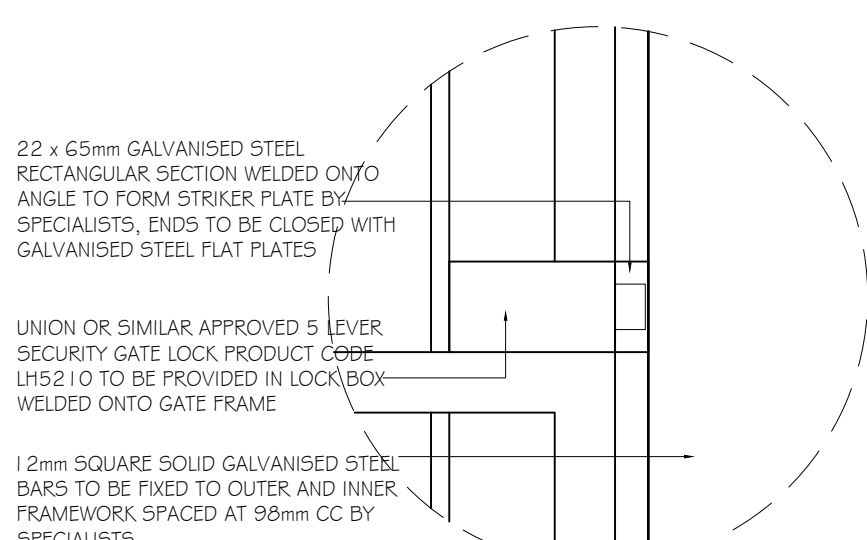
DOOR SCHEDULE				SCALE : 1 : 50
				
DOOR TYPE	D 1	D 2	D 3	
QUANTITY	02	02	12	
LOCATION	ABLUTION ENTRANCE	PARAPLEGIC WC	WC CUBICLES	
FRAME	86mm x 42mm REBATED SOLID MERANTI TIMBER FRAME DOOR SECTIONS TO SUIT 813 X 2032mm DOOR SIZE HARDWOOD QUADRANT TO BE PROVIDED TO BOTH SIDES	86mm x 53mm REBATED SOLID 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

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No.	BY	DATE	REVISION

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CLIENTS SIGNATURE



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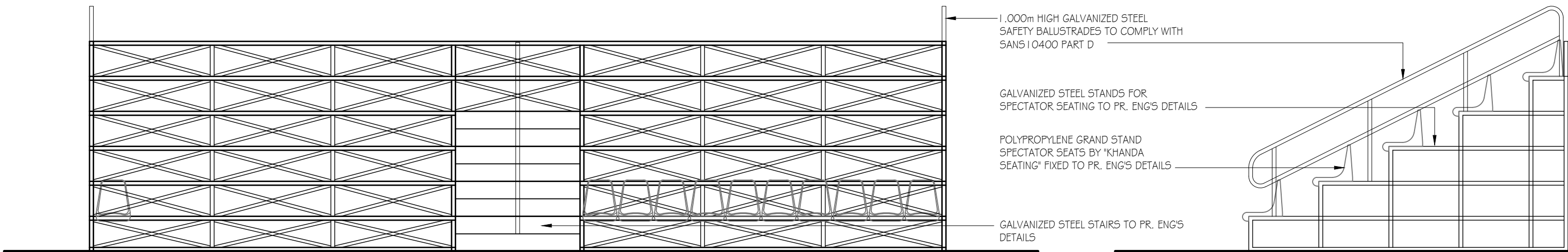
PROJECT:
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MULTI-PURPOSE CENTRE
FOR: WINNIE MADIKIZELA-MANDELA LOCAL
MUNICIPALITY
CADASTRAL DESCRIPTION:
ERF 3084 & 3077 MBIZANA

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

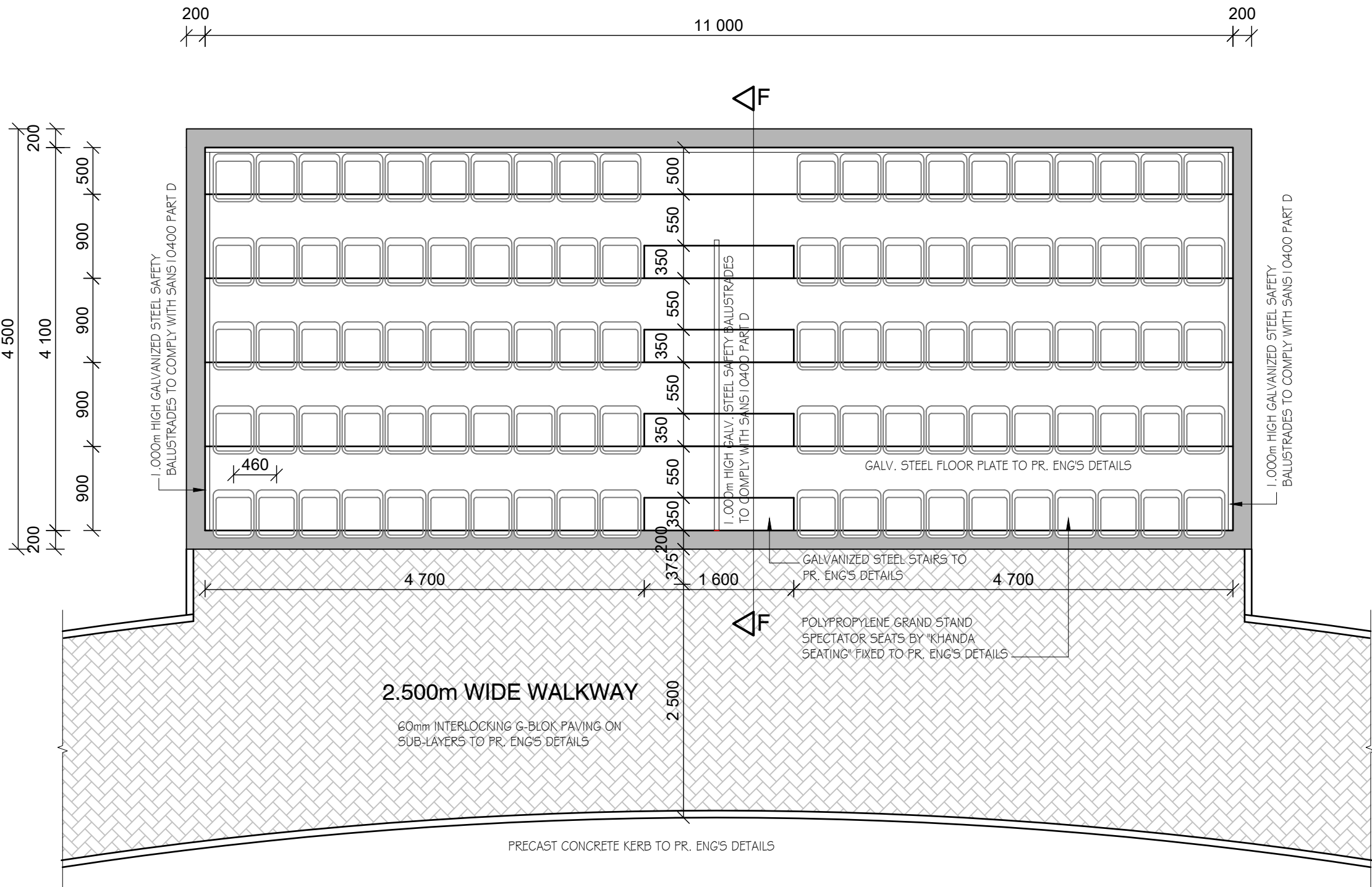


FRONT ELEVATION

SCALE : 1 : 50

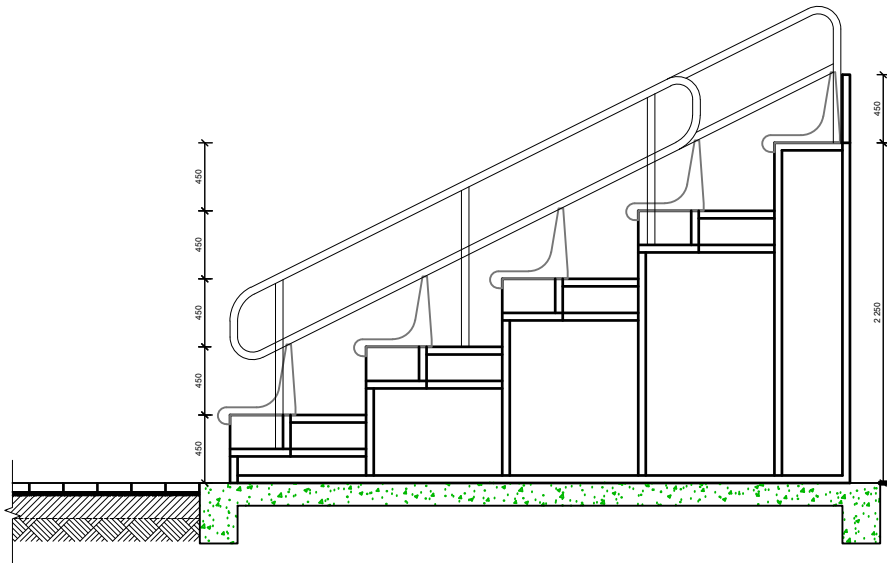
SIDE ELEVATION

SCALE : 1 : 50



FLOOR PLAN -
TYPICAL SPECTATOR SEATING

SCALE : 1 : 50



SECTION F - F

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- 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 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

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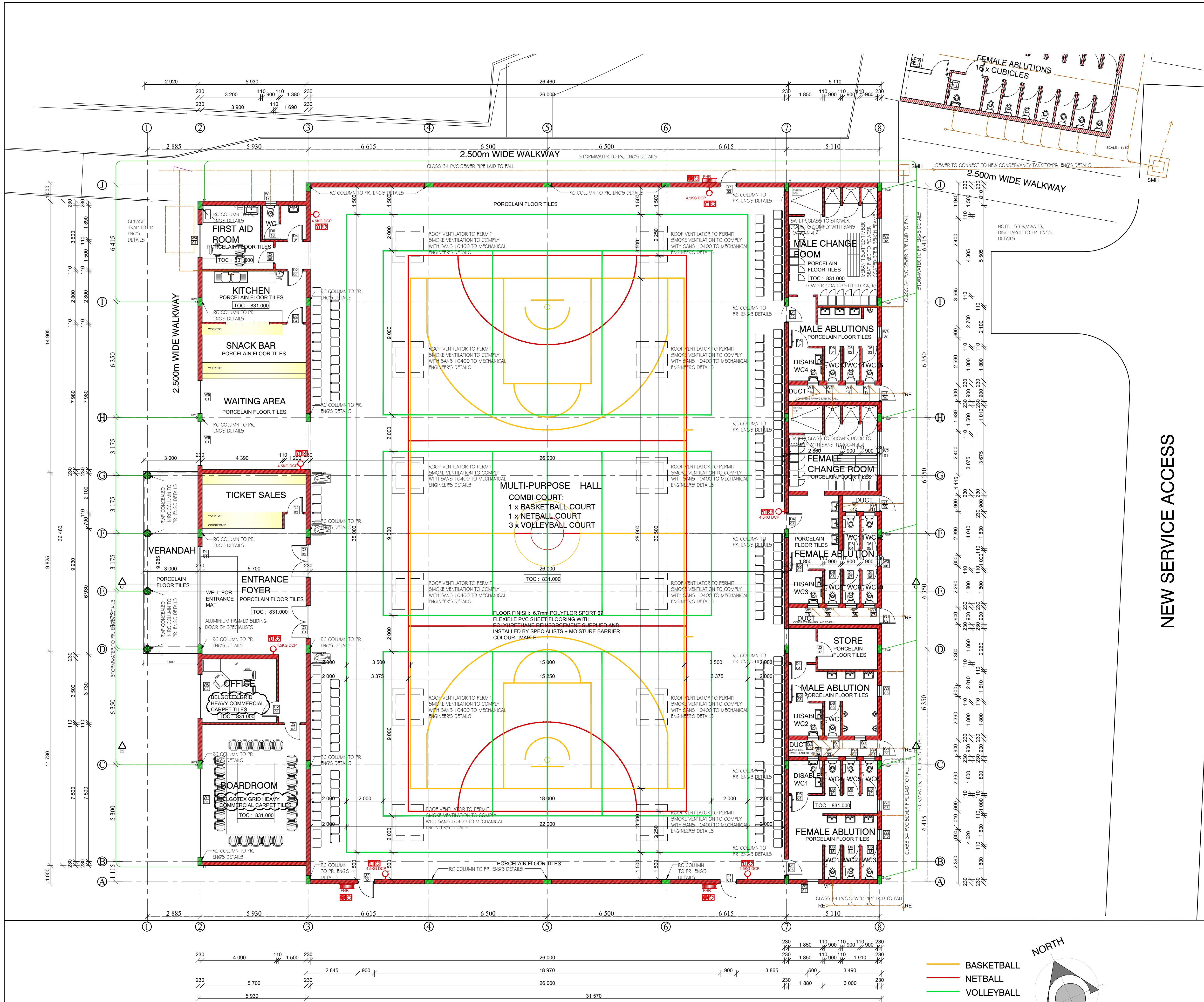
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PROJECT:
PROPOSED MPHUTHUMI MAFUMBATHA
MULTI-PURPOSE CENTRE
FOR: WINNIE MADIKIZELA-MANDELA LOCAL
MUNICIPALITY
CADASTRAL DESCRIPTION:
ERF 3084 & 3077 MBIZANA

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		



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 1.000m 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 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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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

NORTH EAST ELEVATION

SOUTH EAST ELEVATION

SOUTH WEST ELEVATION

NORTH WEST ELEVATION

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
 - 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 CLIENT
 - ALL PLUMBING BY REGISTERED CONTRACTOR
 - ALL ELECTRICAL BY REGISTERED CONTRACTOR
 - NOTIFICATION MUST BE GIVEN TO THE SUPPLIER OF EXPANSIVE CLAY, EXCESSIVE GROUND WATER OR OTHER POOR SOIL CONDITIONS, THEN ALL FOUNDATIONS ARE TO BE BUILT TO PROFESSIONAL STANDARDS AND ALL FOUNDATIONS ARE TO BE BUILT TO PROFESSIONAL STANDARDS
 - FACE-BRICK PLINTH OR 1,000mm WIDE CONCRETE APRON TO BE PROVIDED AROUND BUILDING
 - NO VEGETATION TO BE REMOVED ON SITE
 - BOUNDARY BEACONS TO BE SPOILED AND DEMARKED
 - GLASS THICKNESS TO COMPLY WITH NING
 - SAFETY GLAZING IN ACCORDANCE WITH NING REQUIRED
 - ALL DIMENSIONS TO BE GIVEN ON ALL DRAWINGS

[illegible]



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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 -
SECTION & ELEVATIONS

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

WINDOW SCHEDULE							
SCALE : 1 : 50							
WINDOW TYPE	W1	W2	W3	W4	W5	W6	W7
QUANTITY	17	02	07	01	01	02	01
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
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.
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
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.

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 52x52mm 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 8352-100FSS SS FLUSH BALL BEARING BUTT HINGE 100X75X3mm (PAIRS) DOOR STOP 1 of UNION 87001SS FLOOR DOOR STOP SATIN SS FLUSH BOLT 2 of UNION AL208-160AS ANODISED SILVER FLUSH BOLT	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 8352-100FSS SS FLUSH BALL BEARING BUTT HINGE 100X75X3mm (PAIRS) DOOR STOP 1 of UNION 87001SS FLOOR DOOR STOP SATIN SS FLUSH BOLT 2 of UNION AL208-160AS ANODISED SILVER FLUSH BOLT	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 ESCUTCHEON 1 pair of UNION PH5320-19-300FSS TO BE INSTALLED HORIZONTALLY EXTERNALLY DEAD BOLT 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 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: DOOR CLOSER 1 pair of UNION 37651AS PARAPLEGIC FACILITY INDICATOR BOLT HANDLE 1 of UNION PH5320-19-300FSS TO BE INSTALLED HORIZONTALLY EXTERNALLY DEAD BOLT 1 of UNION SS2016SS BATHROOM DEADBOLT - STAINLESS STEEL HINGES 1 pair 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: ESCUTCHEON 1 pair of UNION SS5305-73SS ESCUTCHEON ON ROSE BATHROOM HANDLE 1 of UNION SS5305-22-06 BLANK 228 X 76MM BACKPLATE PUSH PLATE 1 of SS76X228-06 BLANK 228 X 76MM PLATE DEAD BOLT 1 of UNION SS2016SS BATHROOM DEADBOLT - STAINLESS STEEL HINGES 1 pair 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: DOOR CLOSER 1 of ASSA ABLOY DCA120-40 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

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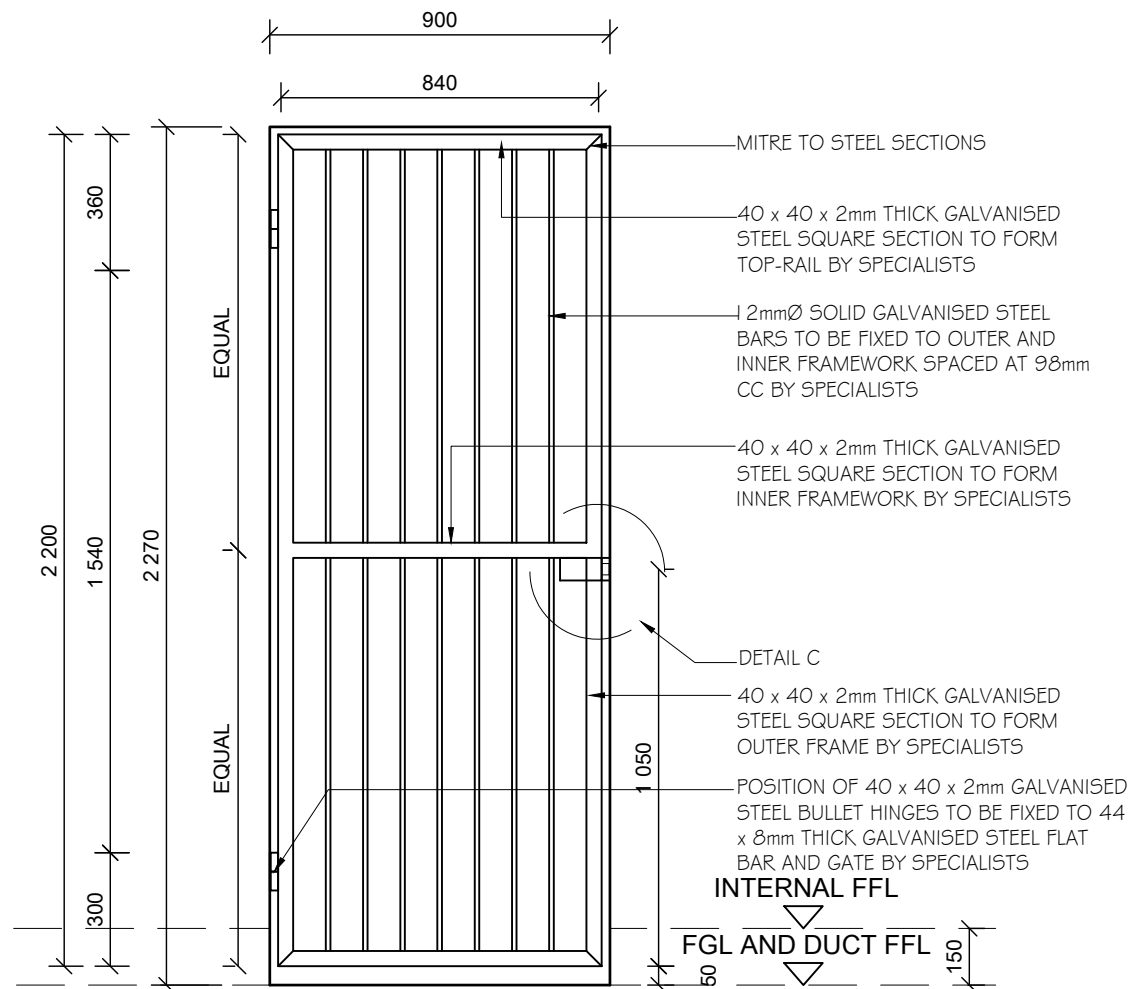
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✉ P. O. BOX 455, PORT SHEPSTONE, 4240
e-mail: vhb@vhbassociates.co.za

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	SHEET No.	CW 08
JOB No.	MLM 05	REV.	B



GATE TYPE

G 1

QUANTITY

04

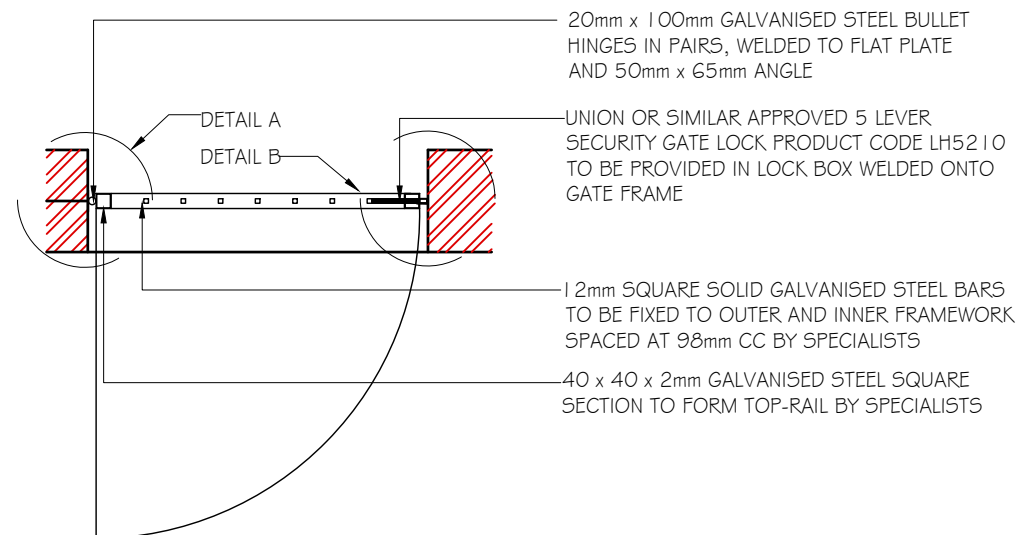
SCALE: 1 : 20

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



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BRANCH: EASTERN CAPE

SEAVIEW CENTRE

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:

MULTI-PURPOSE HALL -
GATE SCHEDULE

DESIGNED V. BRIDGLALL

DATE JULY 2025

DRAWN J. DUKI

SCALE AS SHOWN

CHECKED
V. BRIDGLALL

JOB No.

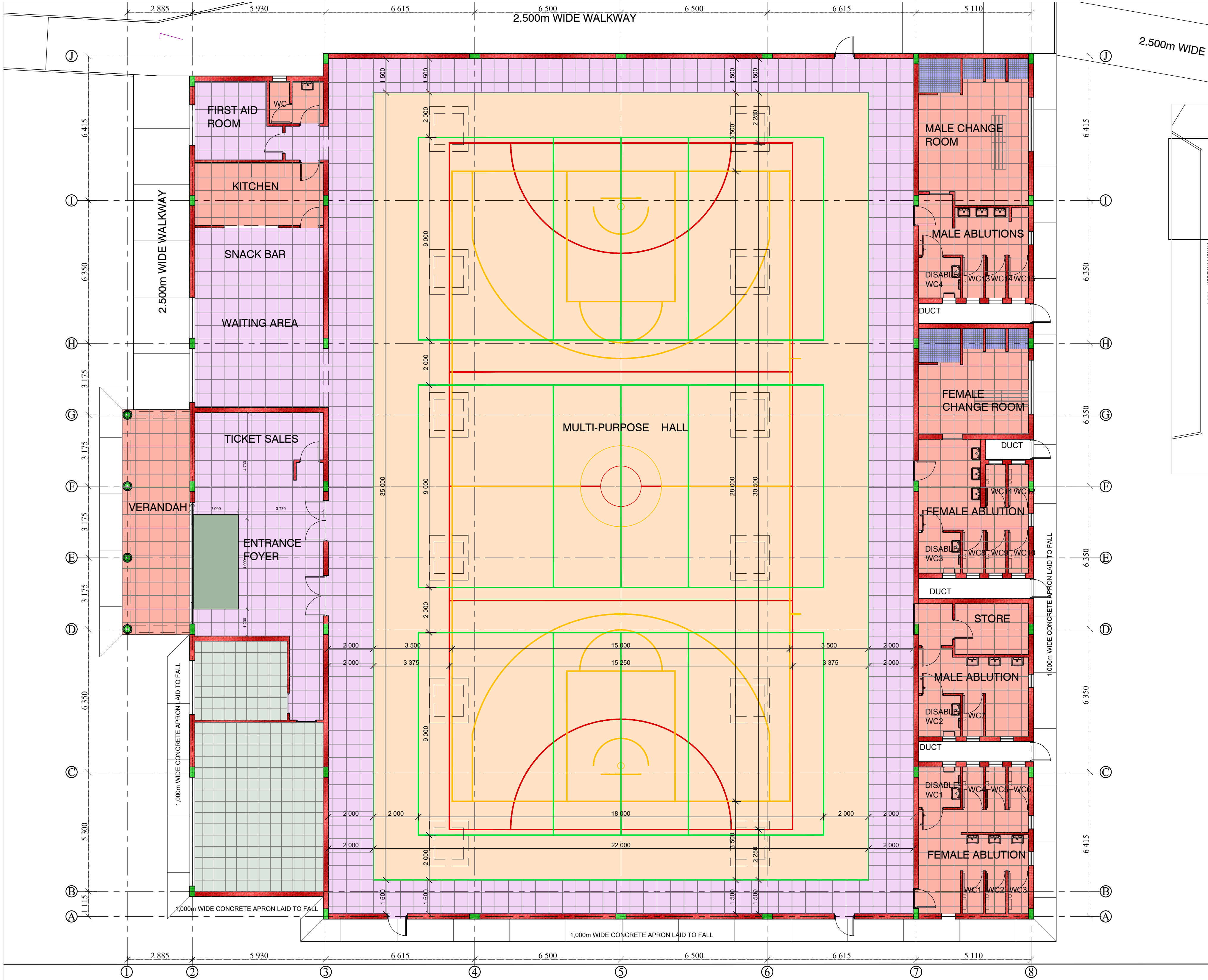
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SHEET No.

CW 09

REV.

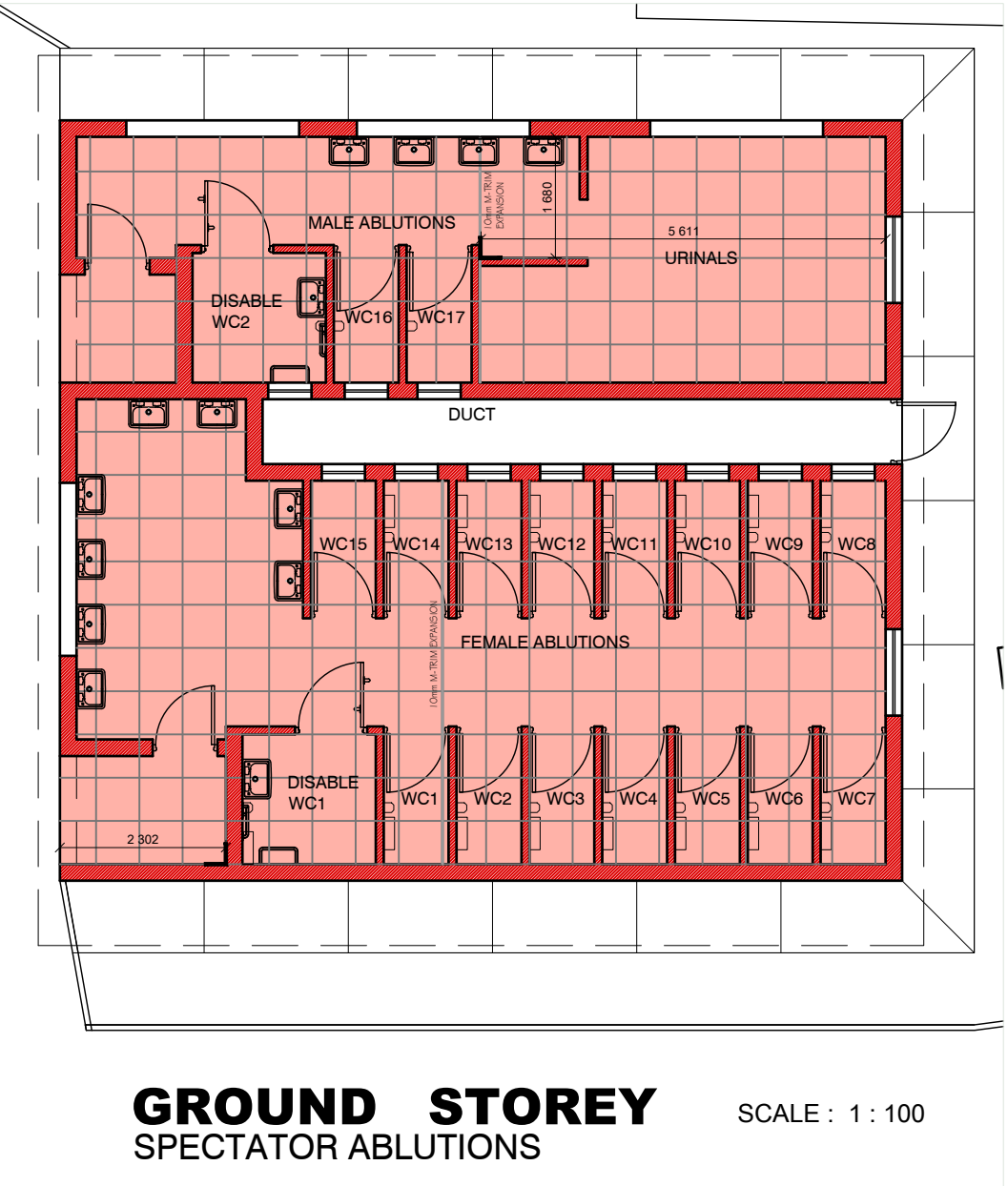
B



FLOOR TILING LAYOUT
GROUND STOREY

SCALE : 1 : 100
SCALE : 1 : 100

- BASKETBALL
- NETBALL
- VOLLEYBALL



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:

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- GLASS THICKNESS TO COMPLY WITH NN2
- SAFETY GLAZING IN ACCORDANCE WITH NNS REQUIRED
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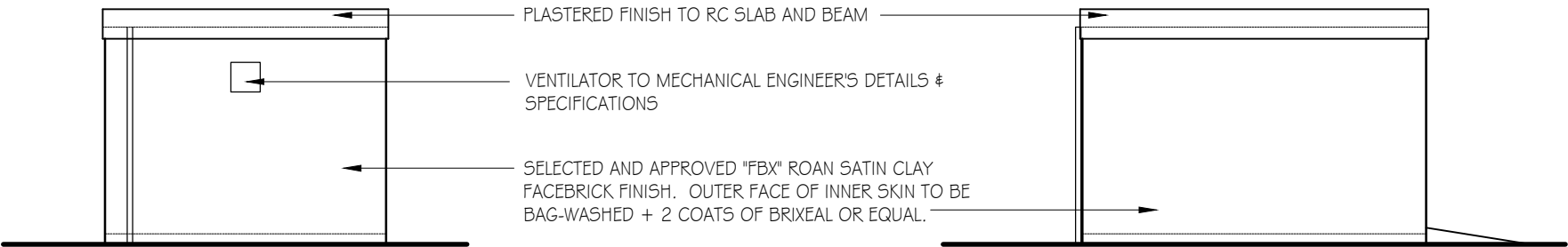
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PROJECT:
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MULTI-PURPOSE CENTRE
FOR: WINNIE MADIKIZELA-MANDELA LOCAL
MUNICIPALITY
CADASTRAL DESCRIPTION:
ERF 3084 & 3077 MBIZANA

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

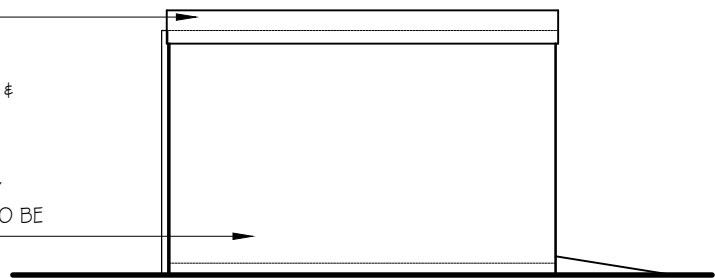
DESIGNED	V. BRIDGLALL	DATE	JUNE 2025
DRAWN	J. DUKI	SCALE	AS SHOWN
CHECKED	V. BRIDGLALL	SIZE	A1

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



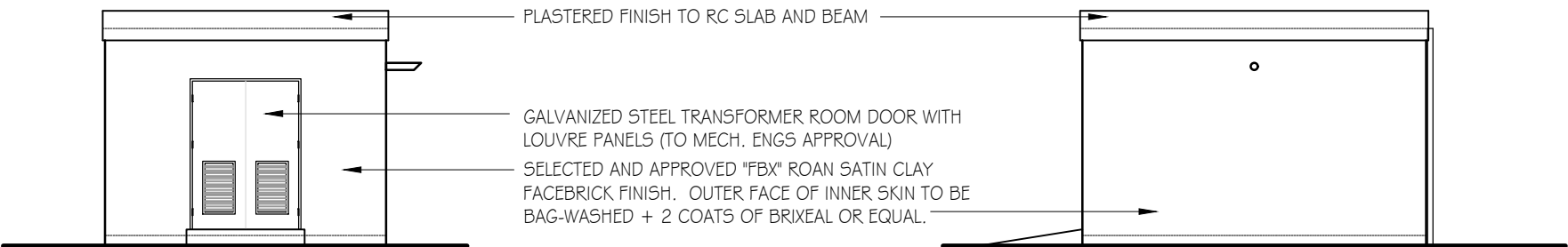
N.E. ELEVATION

SCALE : 1 : 100



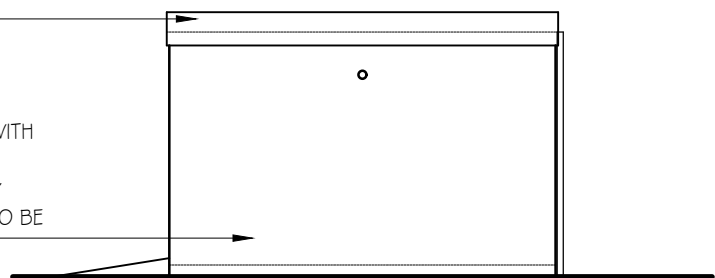
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SCALE : 1 : 100



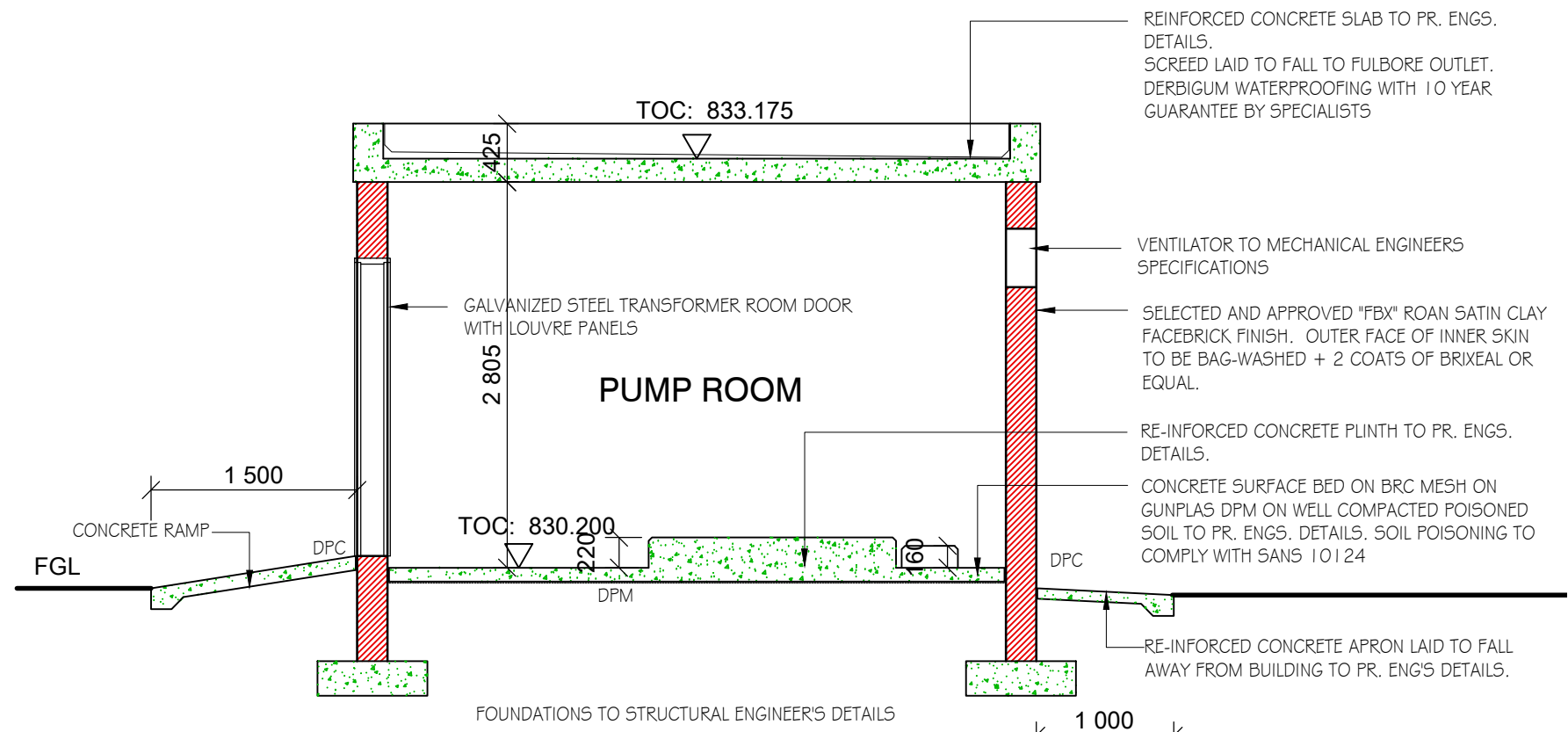
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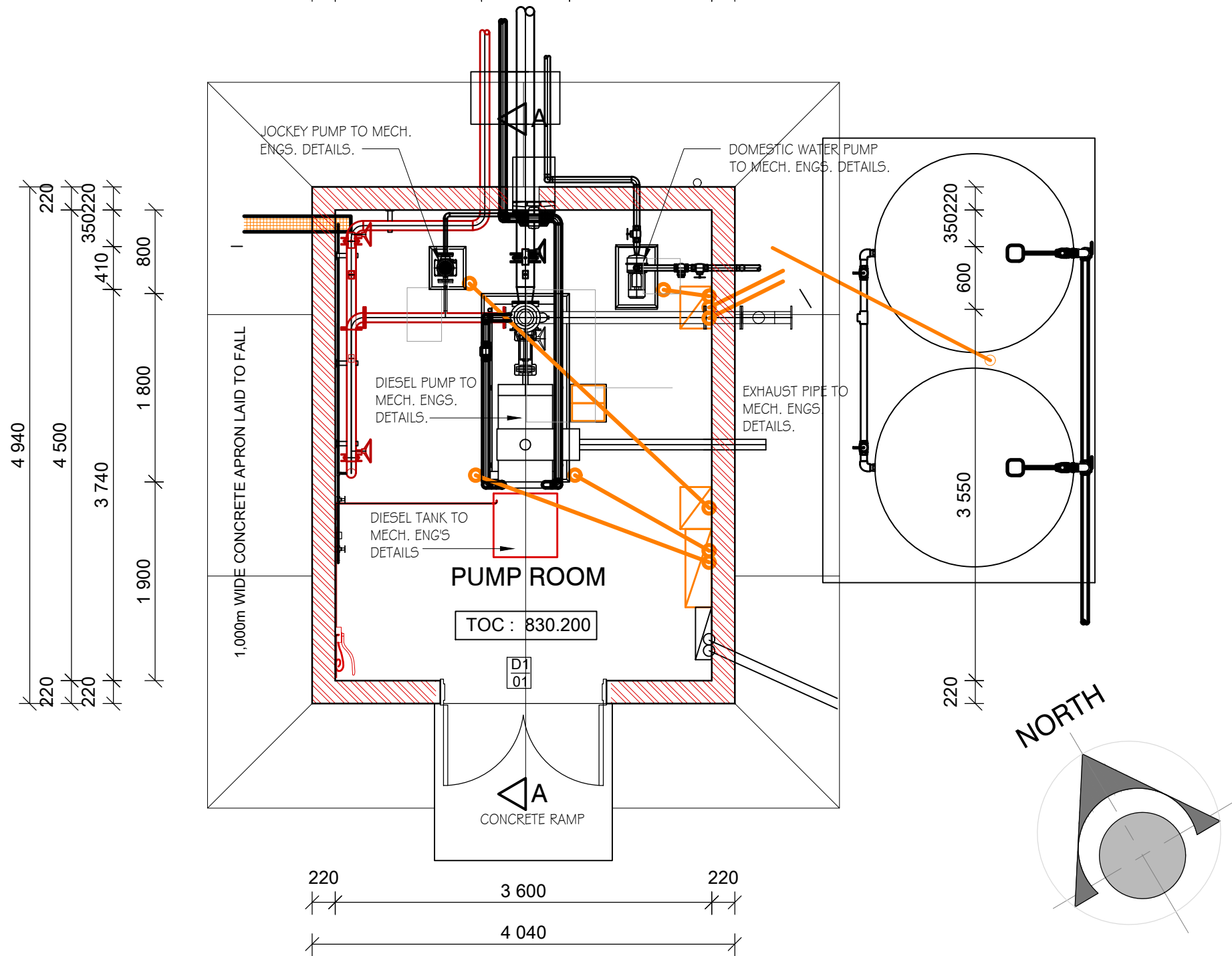
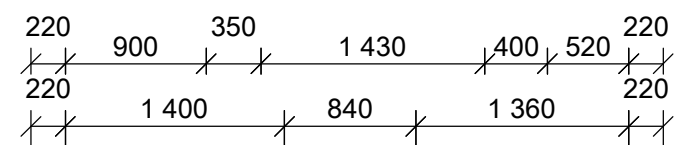
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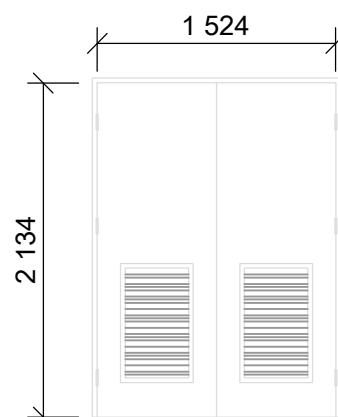
SECTION A - A

SCALE : 1 : 50



GROUND STOREY PUMP ROOM

SCALE : 1 : 50



DOOR TYPE
D 17

QUANTITY
01

DOOR DESCRIPTION

DOOR SIZE: 1 524mm x 2 134mm
PREHUNG AMDOOR TRANSFORMER ROOM DOUBLE DOOR.
PREGALV MILD STEEL DOOR LEAVES FITTED WITH GMS LOUVRES TO BOTTOM HALF OF EACH DOOR

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.

IRONMONGERY

AS SUPPLIED BY SPECIALIST
FIXED LEAF FITTED WITH BARREL BOLTS AS PER MANUFACTURER
DOOR IS PREPARED WITH A LATCH TO RECEIVE PADLOCK
STANDARD OPENING DETAIL - RH LEAF OPENS FIRST.

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.

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BIZANA, 4800
TEL: 039 251 0476
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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:
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	STOREROOM	MALE ABLUTIONS	FEMALE ABLUTIONS	PUBLIC	CONCRETE ROOF SLAB	DUCT	T	U	V	W	X	Y	Z	A1	B1	C1	D1	E1	F1	G1	H1	
FLOORS	1	NEW SURFACE BED	●	●			●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●													
	2	NEW SELF LEVELING SCREED										●																										
	3	NEW VAPOUR STOP	●	●	●	●	●	●	●	●	●	●				●																						
	4	60mm G - BLOCK (WALKWAY)																				●			●		●											
	5	80mm G - BLOCK (DRIVEWAY)																								●												
	6	CONCRETE "V" DRAIN										●	●	●	●	●	●	●	●	●	●			●	●													
	7	CONCRETE APRON	●	●	●	●	●	●	●	●	●	●												●	●													
	8	FULL BODIED PORCELAIN TILE		●	●	●	●	●	●	●	●	●																										
	9	SLIP RESISTANT PORCELAIN TILE	●						●		●		●	●	●	●	●	●	●	●	●			●	●													
	10	SHOWER MOSAIC											●		●																							
	11	POLYFLOR SHEETING										●																										
	12	CARPET TILES				●	●																															
	13	TILE CAP										●																										
	14	TRANSITION STRIP				●	●																															
	15	METAL MOVEMENT JOINTS		●	●			●	●	●	●	●	●	●	●	●	●	●	●	●	●			●	●													
	16	FLOOR DRAIN																						●	●													
	17	SHOWER DRAIN										●		●																								
	18	FULBORE OUTLET																			●																	
WALLS	19	NEW EXTERNAL FACE BRICK	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●														
	20	NEW EXTERNAL PLASTER	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●														
	21	NEW INTERNAL PLASTER	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●														
	22	INTERNAL WALL TILES						●		●		●		●	●	●	●	●	●	●	●			●	●													
	23	CEMENT MORTAR	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●														
	24	SKIRTINGS		●	●	●	●	●	●	●	●	●				●																						
SILLS	25	EXTERNAL SILL						●	●	●	●	●	●	●	●	●	●	●	●	●	●																	
	26	INTERNAL SILL - PLASTER								●																												
	27	AIR BRICK																																				
CEILINGS	28	CEILINGS - RHINOBOARD		●	●		●	●								●																						
	29	CEILINGS - CLADDIT BOARD									●		●	●	●	●	●	●	●	●	●			●	●													
	30	CEILINGS - 1200x600				●	●			●																												
	31	CORNICES		●	●	●	●	●	●	●		●	●	●	●	●	●	●	●	●	●			●	●													
	32	TRAP DOOR		●	●		●	●			●		●	●	●	●	●	●	●	●	●			●	●													
	33	RC SOFFIT SLAB	●																			●			●													
FIXTURES	34	SILICONE							●	●	●		●	●	●	●	●	●	●	●			●	●														
	35	EXPANSION JOINTS																																				
	36	BLINDS				●	●			●																												
	37	WHITE BOARD				●					●																											
	38	PINNING BOARD									●																											
	39	HYROBOIL - 5						●																														
	40	EXPOSED TRUSSES									●																											
LANDSCAPING	41	STEEL POSTS																									●											
	42	GRASS																										●										
	43	PLANTERS																															●					
	44	SYNTHETIC LAWN																										●										

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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BRANCH: EASTERN CAPE
SEAVIEW CENTRE
R61 MAIN ROAD
BIZANA, 4600
TEL: 039 251 0476
FAX: 086 577 7713

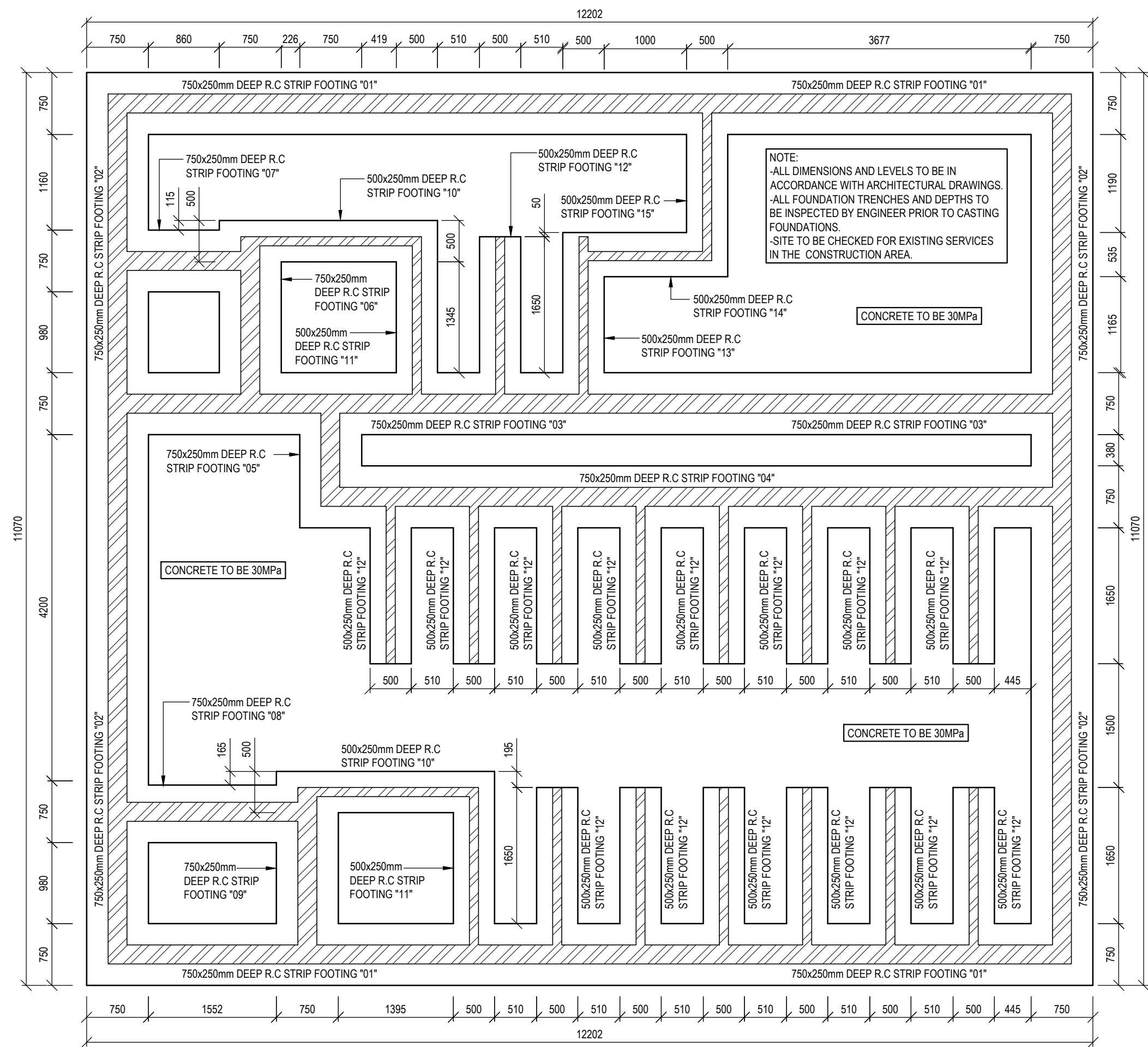
✉ P. O. BOX 455, PORT SHEPSTONE, 4240
e-mail: vhb@vhbassociates.co.za

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

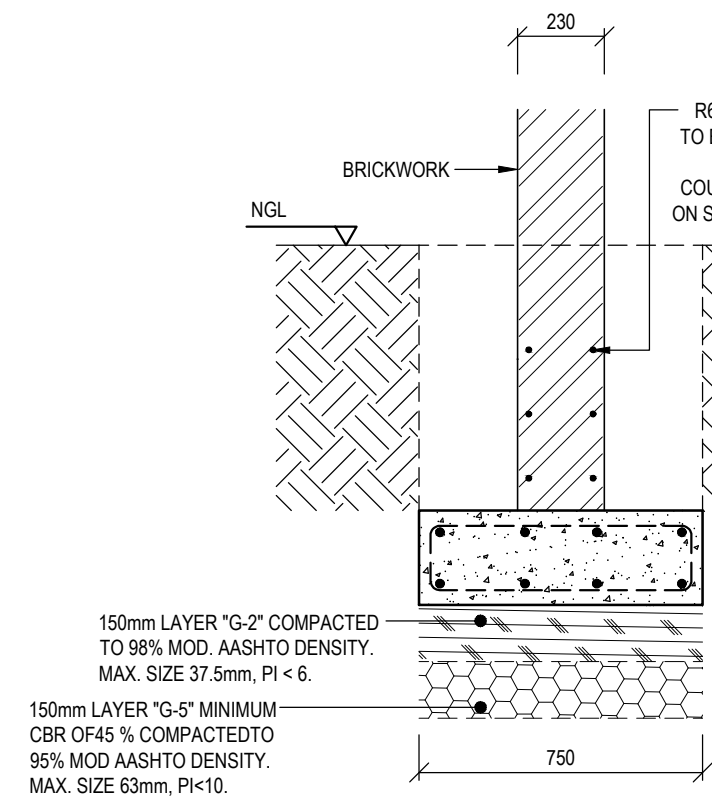
DRAWING:
FINISHING SCHEDULE

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

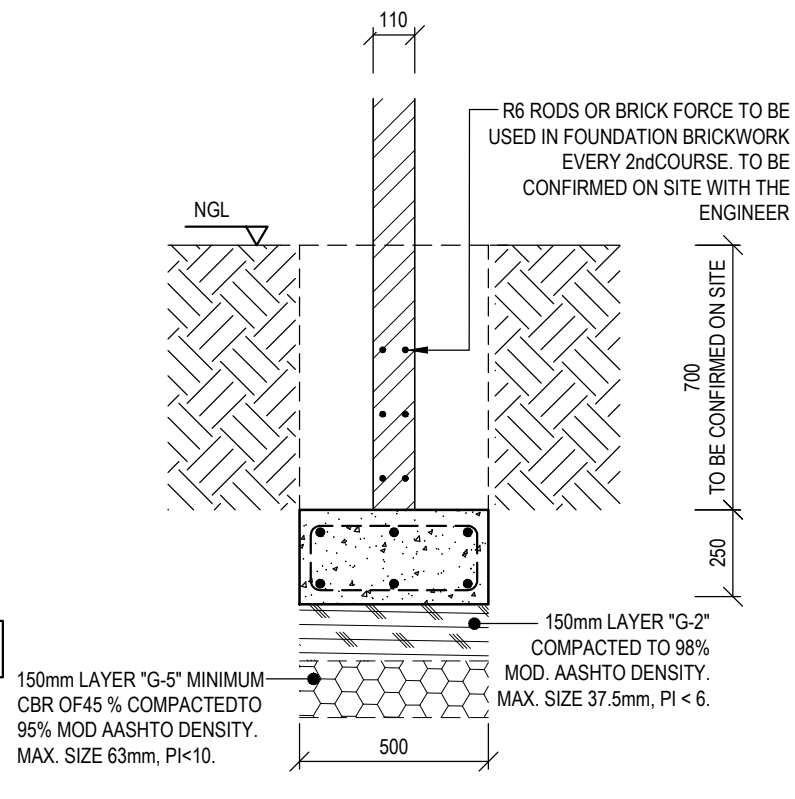
CIVIL & STRUCTURAL



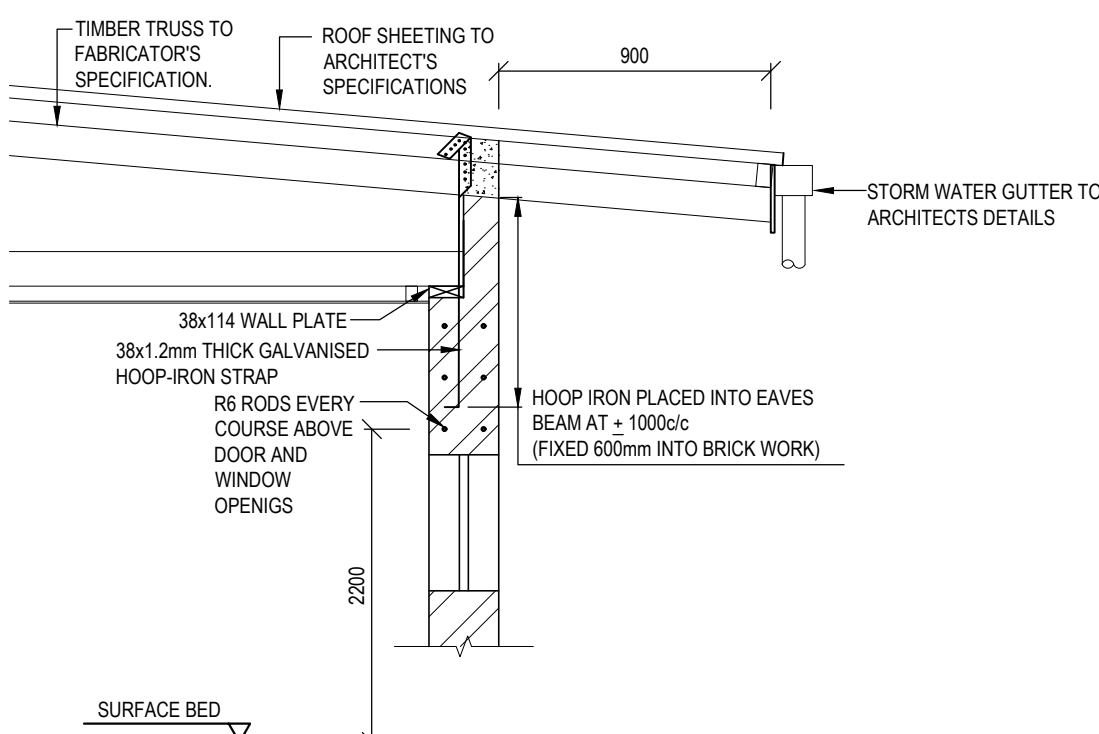
FOUNDATION LAYOUT
SCALE 1 : 50



STRIP FOOTING FOR 230mm WALL
SCALE 1 : 20

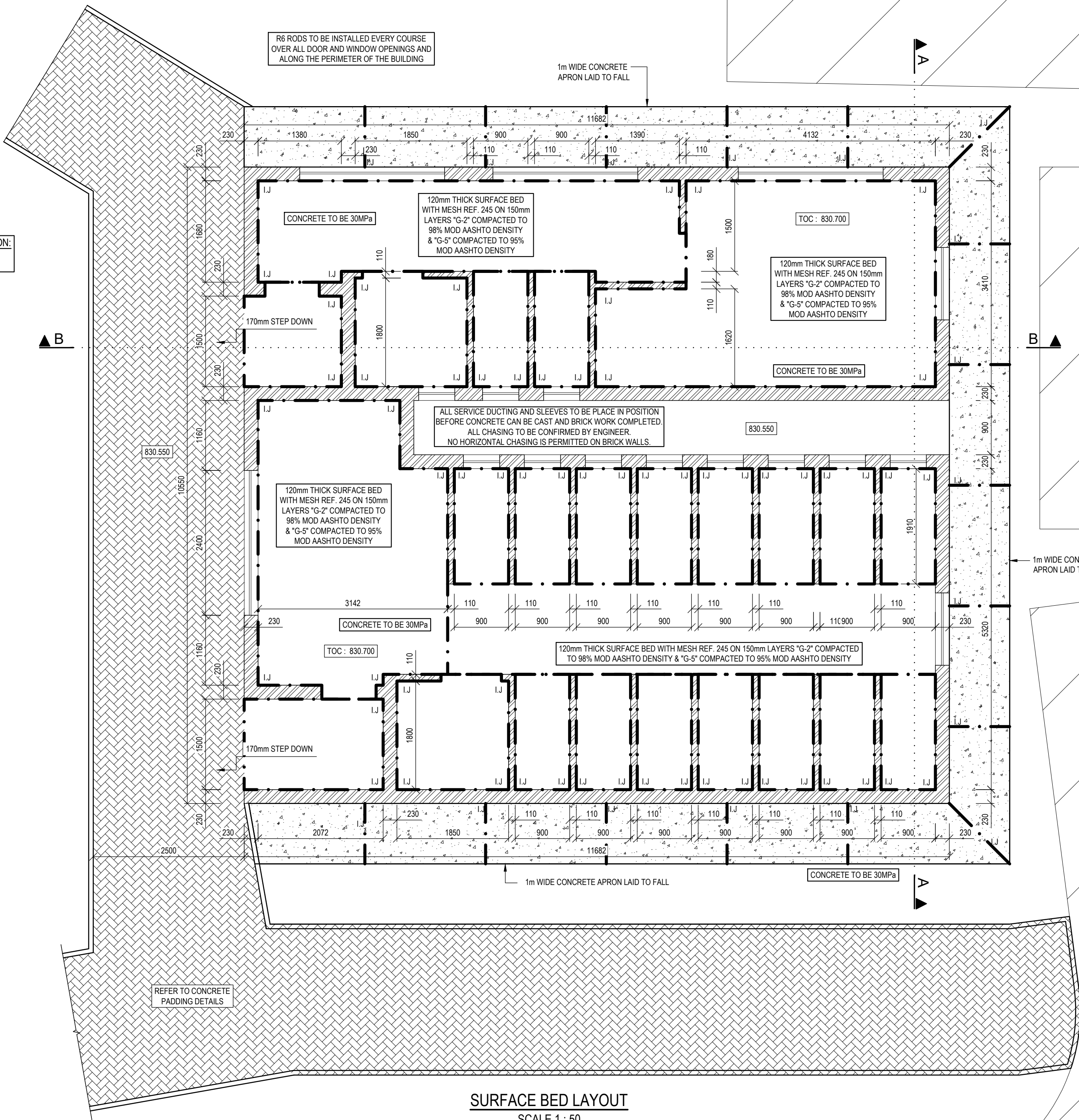


STRIP FOOTING FOR 110mm WALL
SCALE 1 : 20

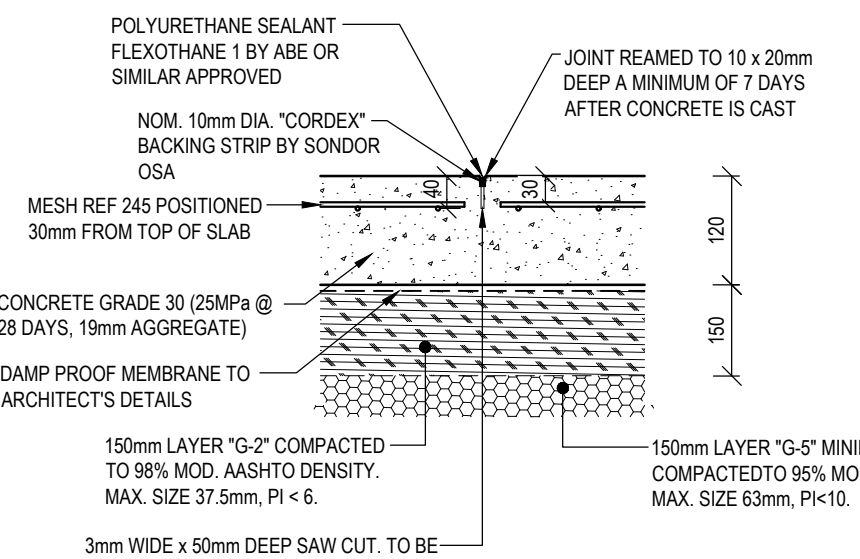


HOOP IRON DETAIL
SCALE 1 : 25

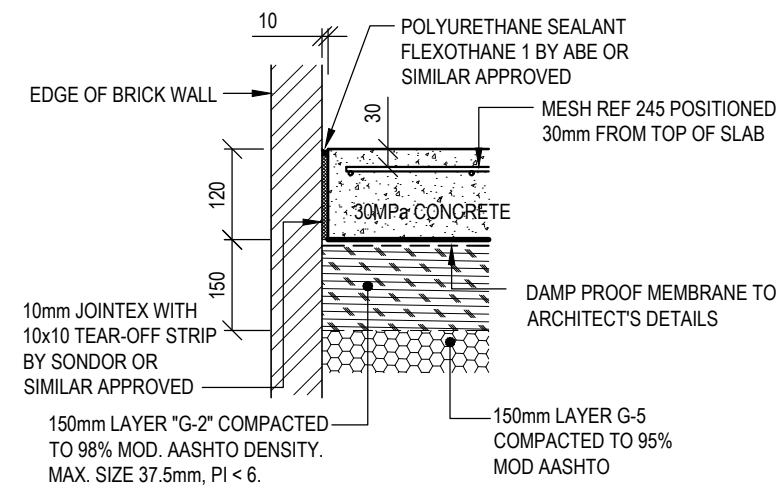
REINFORCING ESTIMATION:
• FOUNDATIONS = 80 Kg/m²



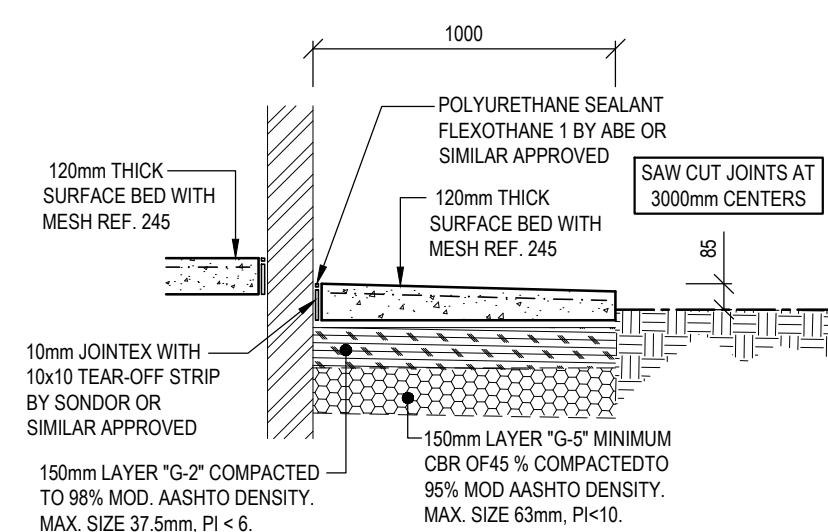
SURFACE BED LAYOUT
SCALE 1 : 50



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



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



TYPICAL CONCRETE APRON
SCALE 1 : 25

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.

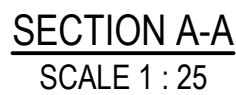
ISSUED FOR TENDER

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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Consulting Engineers (Pty) (Ltd)	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:			
LAYOUT, SECTIONS AND DETAILS			
PROJECT NUMBER	DRAWING NUMBER	DATE	REVISION
25131	301	06-10-2025	B



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.
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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.

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 U.S.O.
3. MINIMUM CHARACTERISTIC STRENGTH OF REINFORCEMENT IN MILL REINFORCING (R) = 250 MPa
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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.

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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

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



KDA
Consulting Engineers Pty (Ltd)
CIVIL STRUCTURAL ENGINEERING PROJECT MANAGEMENT SERVICES
Reg. No. 2015/241947/07/P
Pietermaritzburg - Durban - Port Shestone - Eastern Cape

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033 387 1730 | 084 988 46
dhanashan@kda.org.za

CLIENT: _____

WINNIE MADIKIZELA-MANDELA LOCAL MUNICIPALITY

PROJECT: _____

PROPOSED MRUTHULINI MAELUMBATHA

PROPOSED MITHUNOMI MAFUMBATHA
MULTI-PURPOSE CENTRE : SPECTATOR ABILITIES

DRAWING DESCRIPTION

DRAWING DESCRIPTION:

SECTIONS THROUGH BUILDING

PROJECT NUMBER	DRAWING NUMBER	DATE	REVISION
25131	302	06-10-2025	A

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:

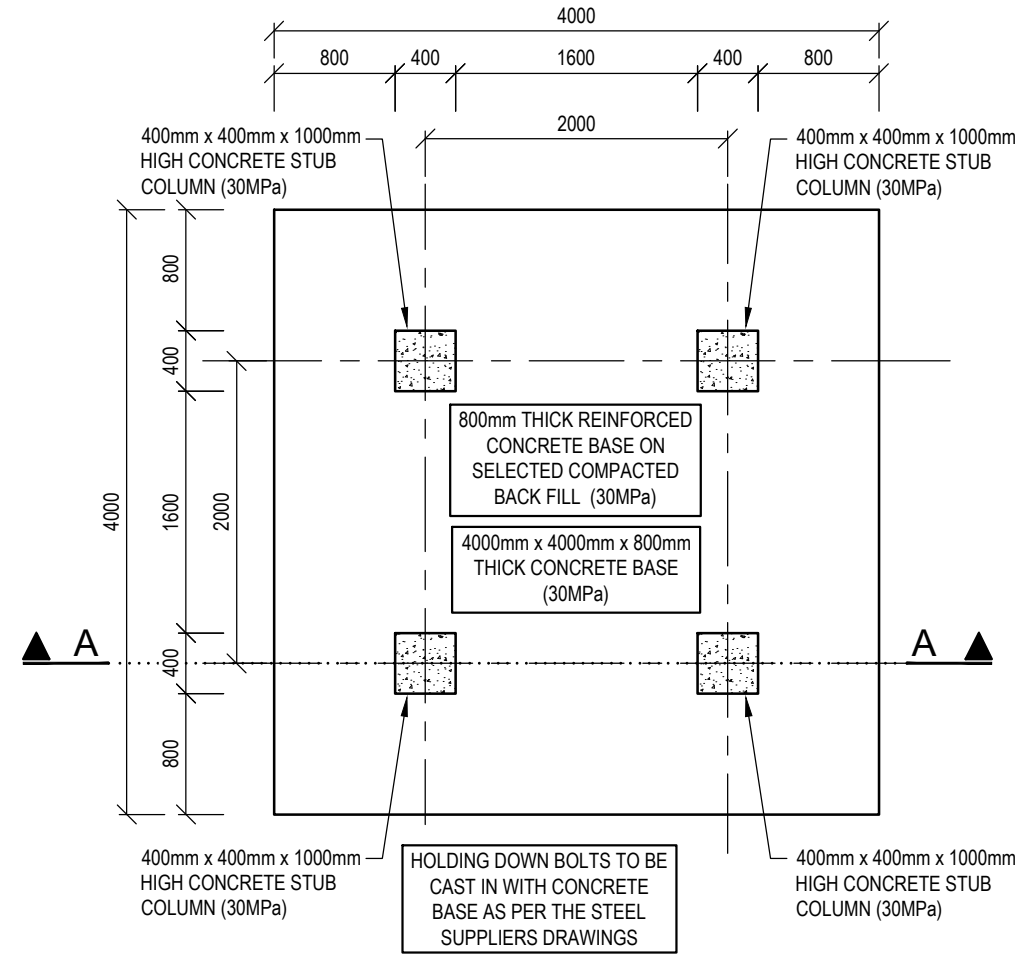
- BASES AND STUB COLUMNS = 150 Kg/m³

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.

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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:

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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.
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FOUNDATIONS, RETAINING WALLS, FLOOR SLABS, COLUMNS AND BEAMS 30/19 MPa UNLESS U.O.S.
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- REMOVAL OF SHUTTERING & BACK PROPPING TO BE DONE IN ACCORDANCE TO SPECIFICATIONS.

FOUNDATION TRENCHES:

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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



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033 387 1730 | 084 988 4693 |
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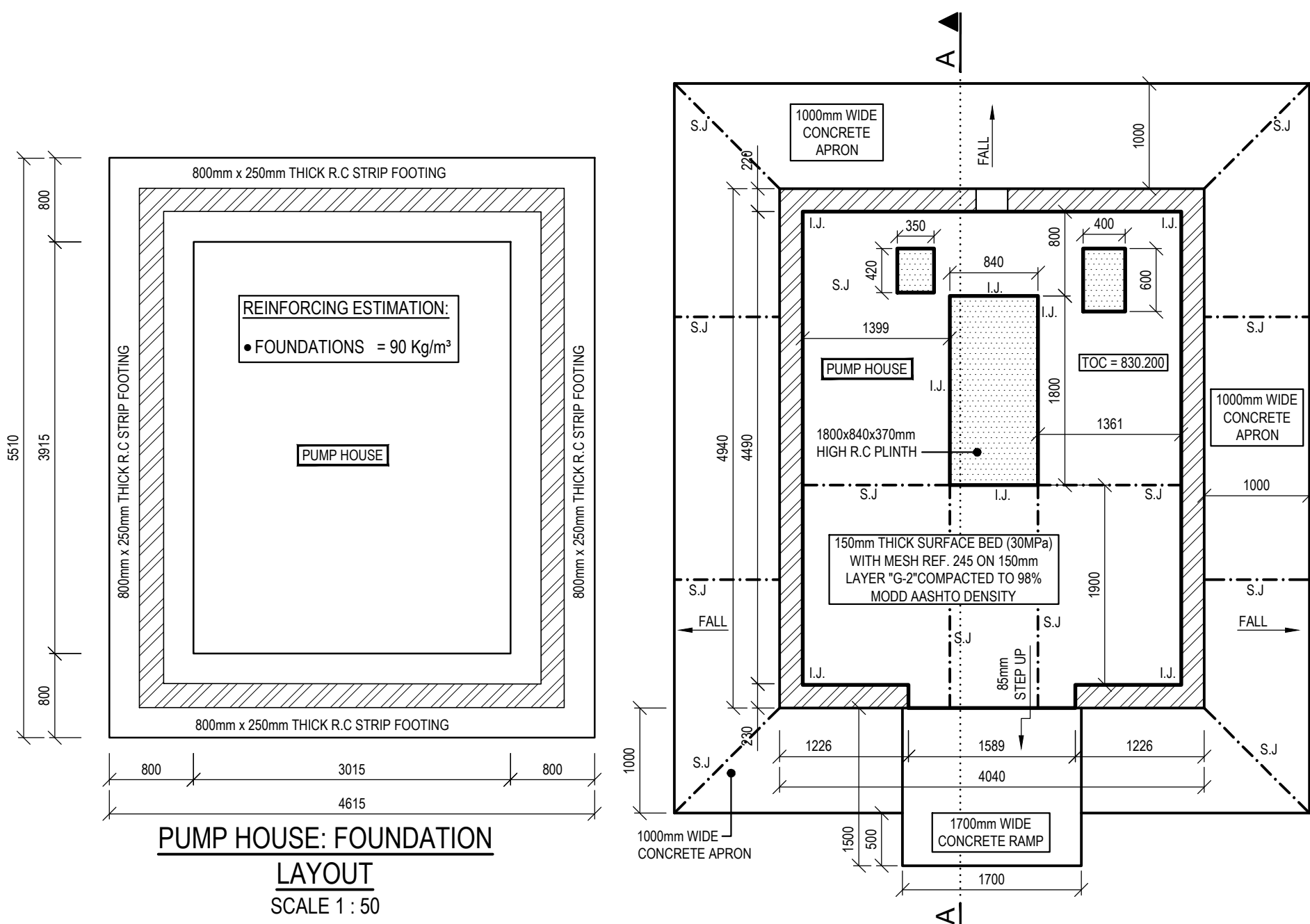
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WINNIE MADIKIZELA-MANDELA LOCAL MUNICIPALITY

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

DRAWING DESCRIPTION:
ELEVATED TANK: FOUNDATION LAYOUT, SECTIONS AND DETAILS

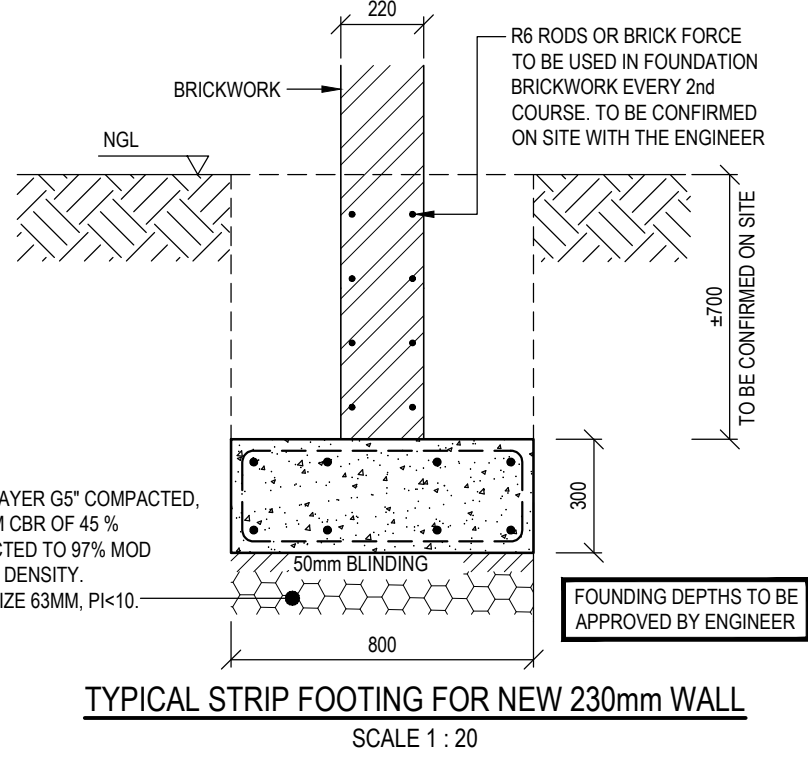
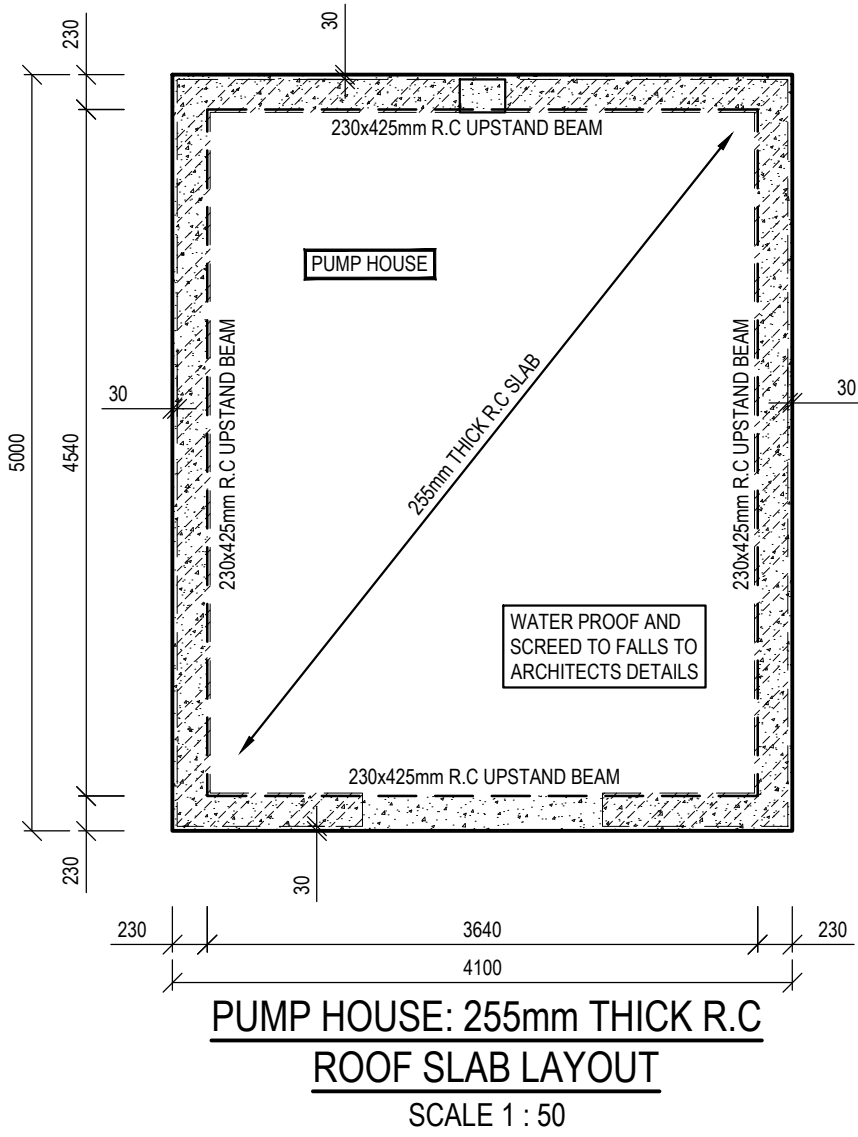
PROJECT NUMBER	DRAWING NUMBER	DATE	REVISION
25131	303	07-10-2025	B



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PUMP HOUSE: SURFACE BED LAYOUT
SCALE 1 : 50



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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

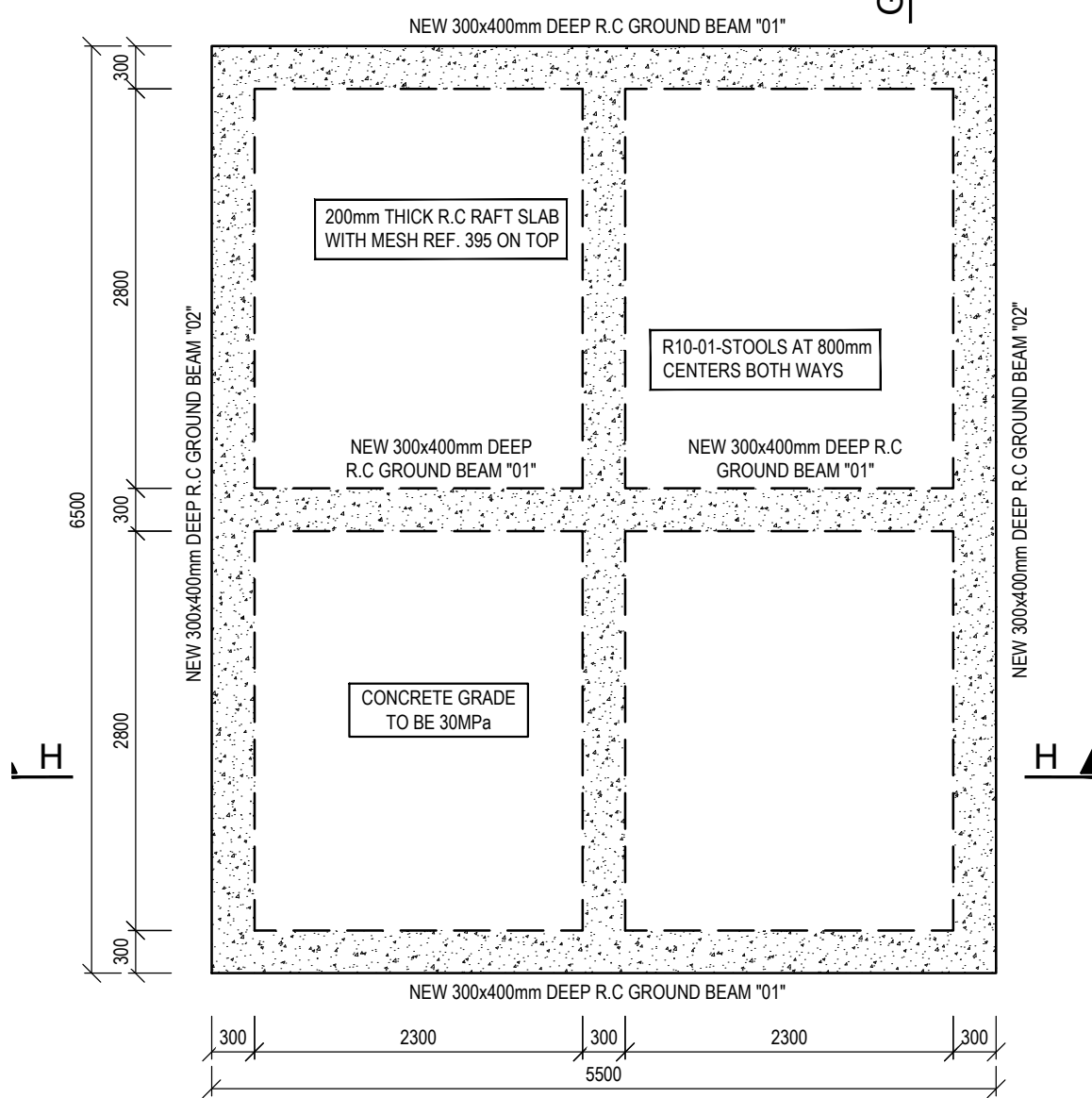
KDA Consulting Engineers Pty (Ltd) CONSULTANTS, ENGINEERS, ARCHITECTS, ENVIRONMENTAL CONSULTANTS. Pretoria/Johannesburg - Durban - Port Shepstone - Eastern Cape	215 ALPINE ROAD SPRINGFIELD, DURBAN 4091 031 207 2926 082 468 6381 Veshall.K@kda.org.za 54 WOODPECKER ROAD, MOUNTVIEW PIETERMARITZBURG, 3201 033 387 1730 084 988 4693 dhanashan@kda.org.za
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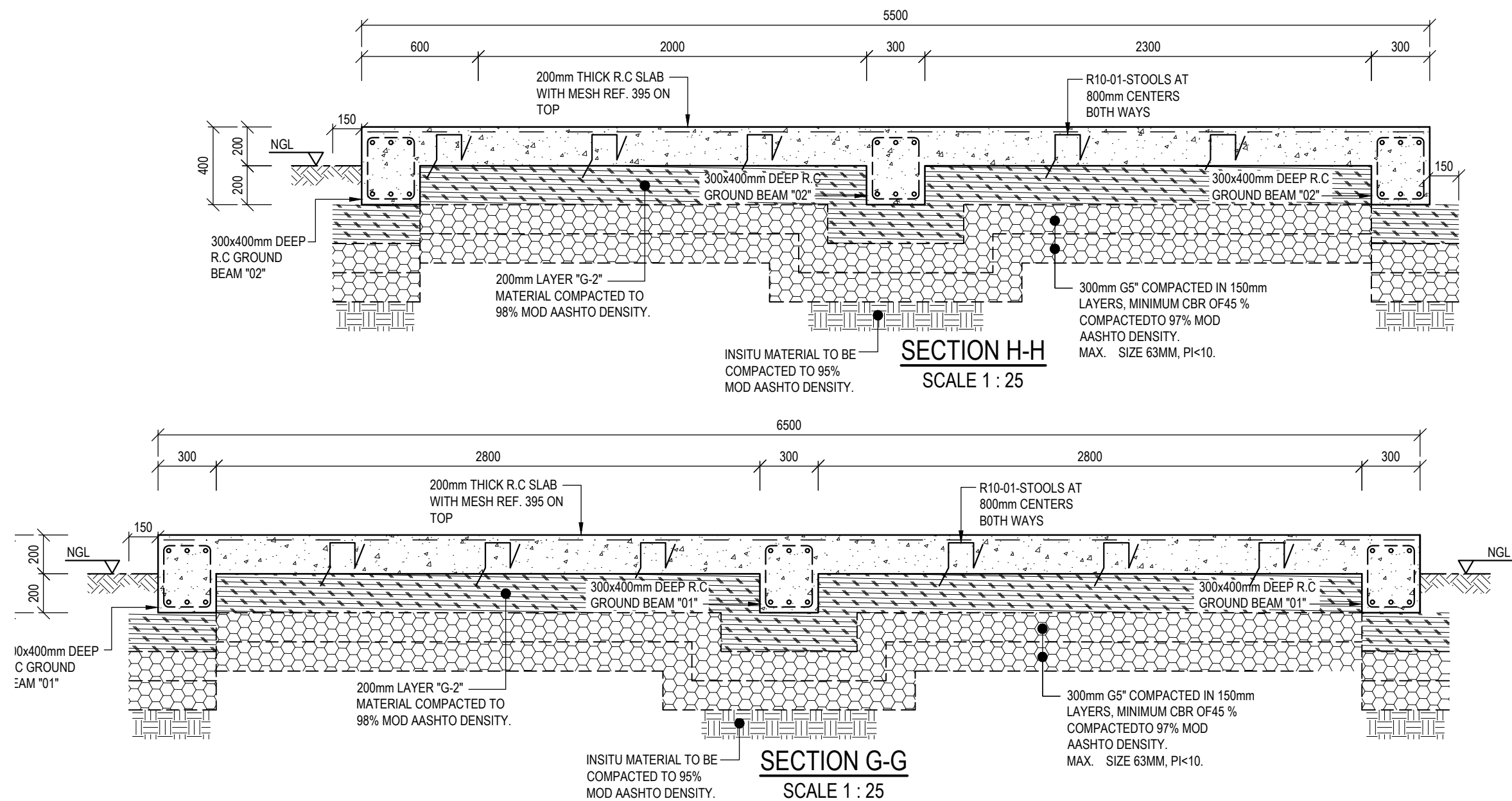
CLIENT:
WINNIE MADIKIZELA-MANDELA LOCAL MUNICIPALITY
PROJECT:
PROPOSED MPHUTHUMI FUMFUMBATHA
MULTI-PURPOSE CENTRE : SPECTATOR ABLUTIONS
DRAWING DESCRIPTION:
PUMP HOUSE: FOUNDATION & SURFACE BED LAYOUTS, SECTIONS AND DETAILS

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



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DATE	DESCRIPTION	BY	REV
DESIGN	V.K.		
DRAWN	A.H.		
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DATE ISSUED	26-09-2025	SHEET SIZE	A1
		SCALE	AS SHOWN

CONSULTANT	
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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

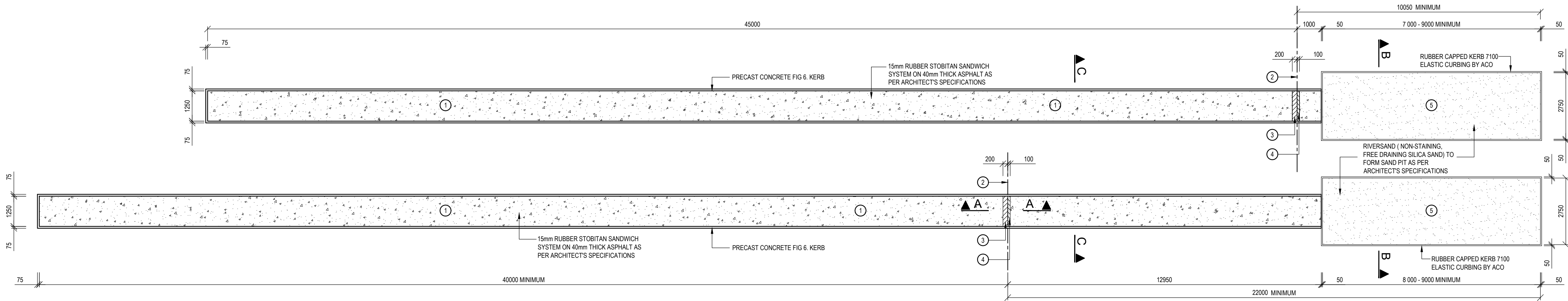
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CLIENT:
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PROJECT:
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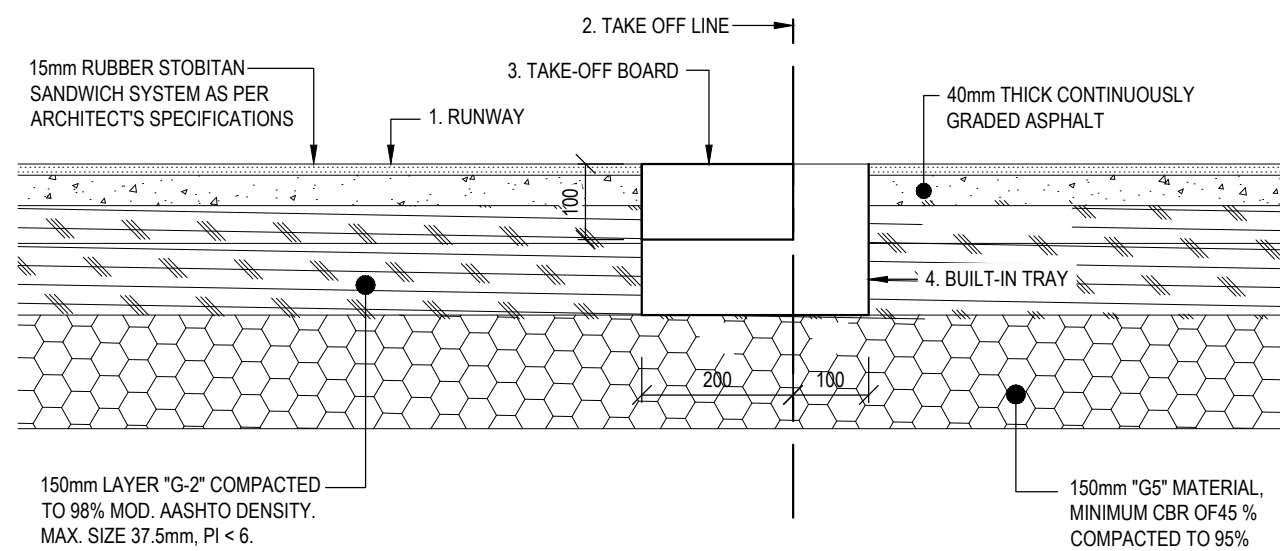
DRAWING DESCRIPTION:
STORAGE CONTAINER: LAYOUT, SECTIONS AND DETAILS

PROJECT NUMBER	DRAWING NUMBER	DATE	REVISION
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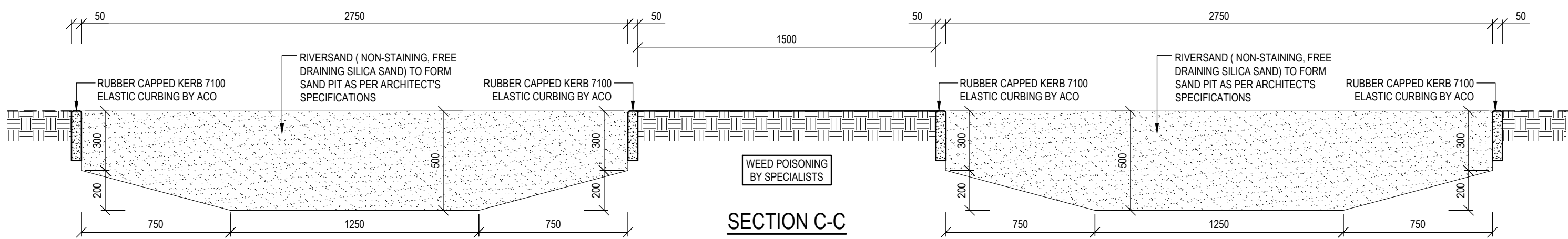


LONG JUMP LAYOUT
SCALE 1 : 100

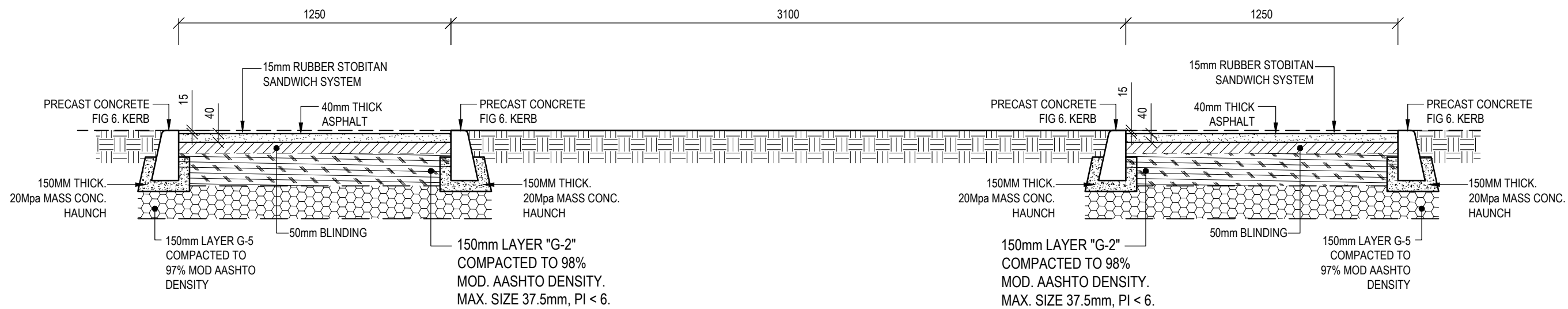
KEY
1 RUNWAY MINIMUM 40m
2 TAKE OFF LINE
3 TAKE-OFF BOARD
4 BUILT-IN TRAY
5 LANDING AREA



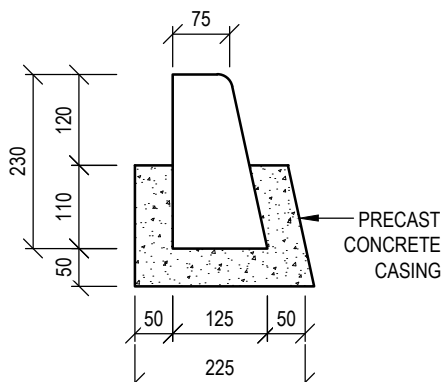
SECTION A-A
SCALE 1 : 10



SECTION C-C
SCALE 1 : 20



SECTION C-C
SCALE 1 : 20



TYPICAL FIG. 6
KERB DETAIL
SCALE 1 : 10

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FOUNDATIONS, RETAINING WALLS, FLOOR SLABS, COLUMNS AND BEAMS 30/19 MPa UNLESS U.O.S.
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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 |
Veshall.K@kda.org.za

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MOUNTVIEW,
PIETERMARITZBURG, 3201
033 387 1730 | 084 988 4693 |
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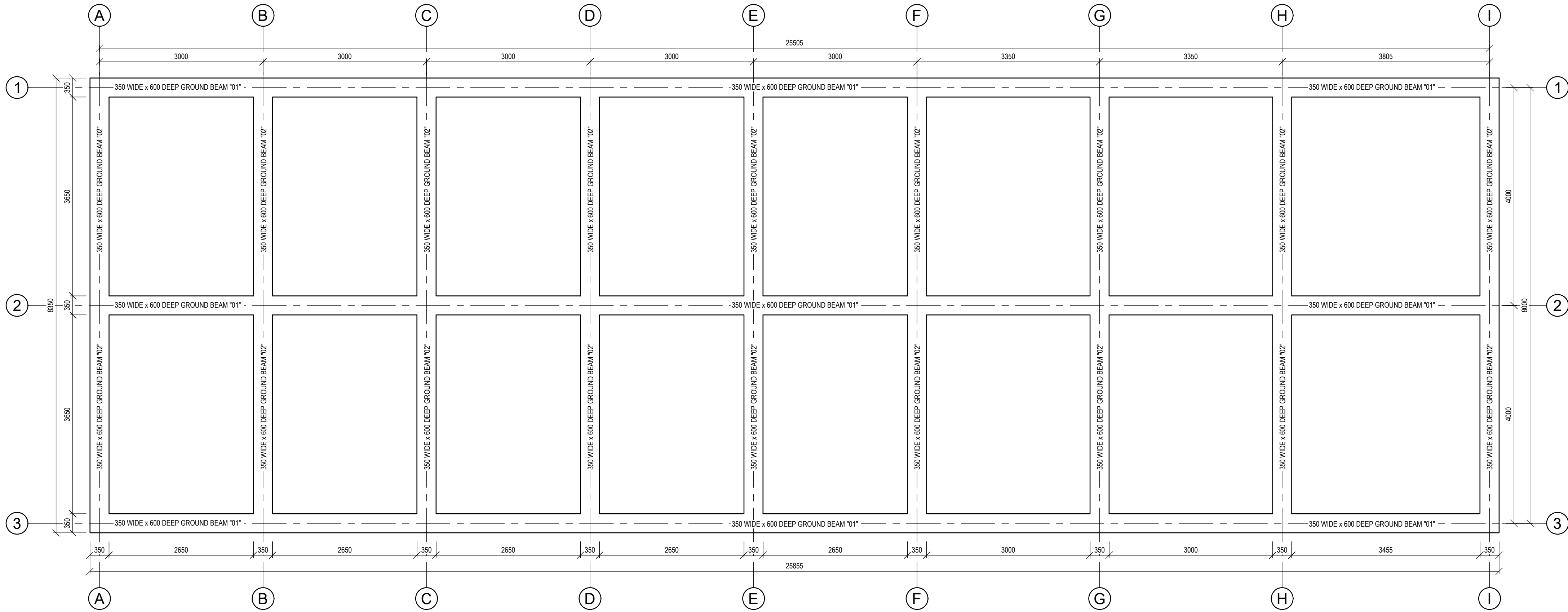
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CLIENT:
WINNIE MADIKIZELA-MANDELA LOCAL MUNICIPALITY

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

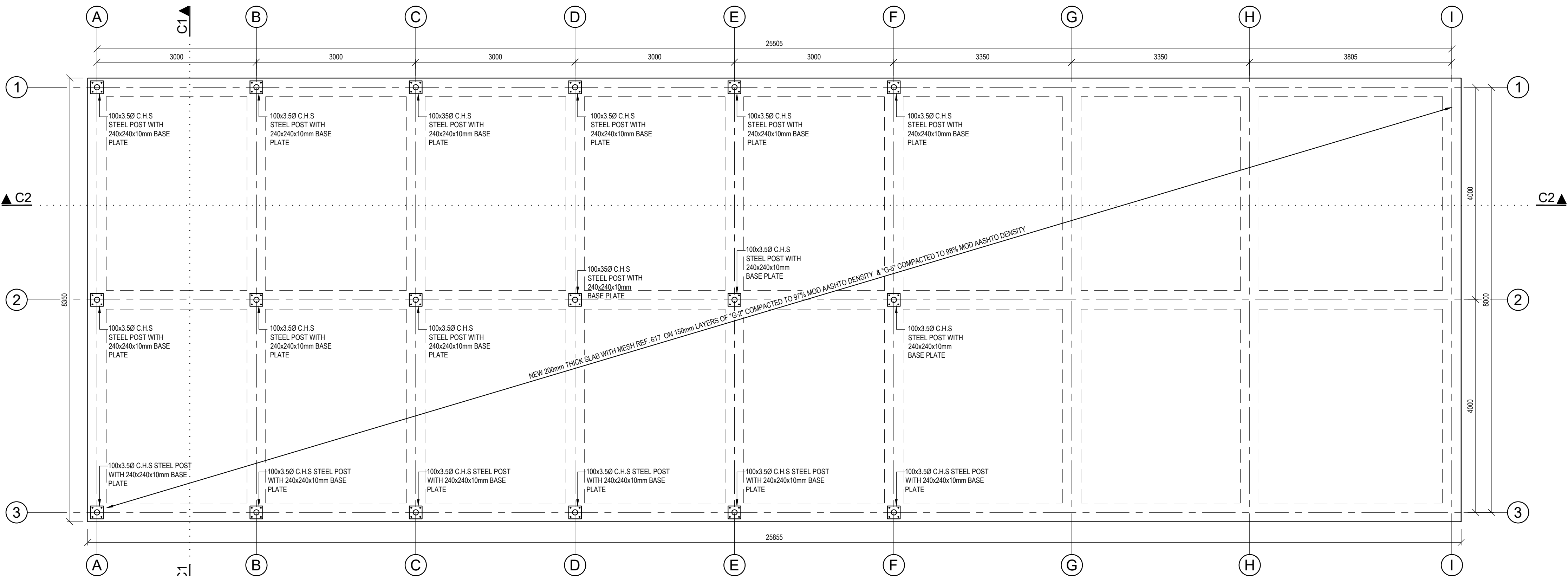


FOUNDATION LAYOUT
SCALE 1 : 50



REINFORCING ESTIMATION:

BEAMS = 120 Kg/m3



SURFACE BED LAYOUT
SCALE 1 : 50



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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).

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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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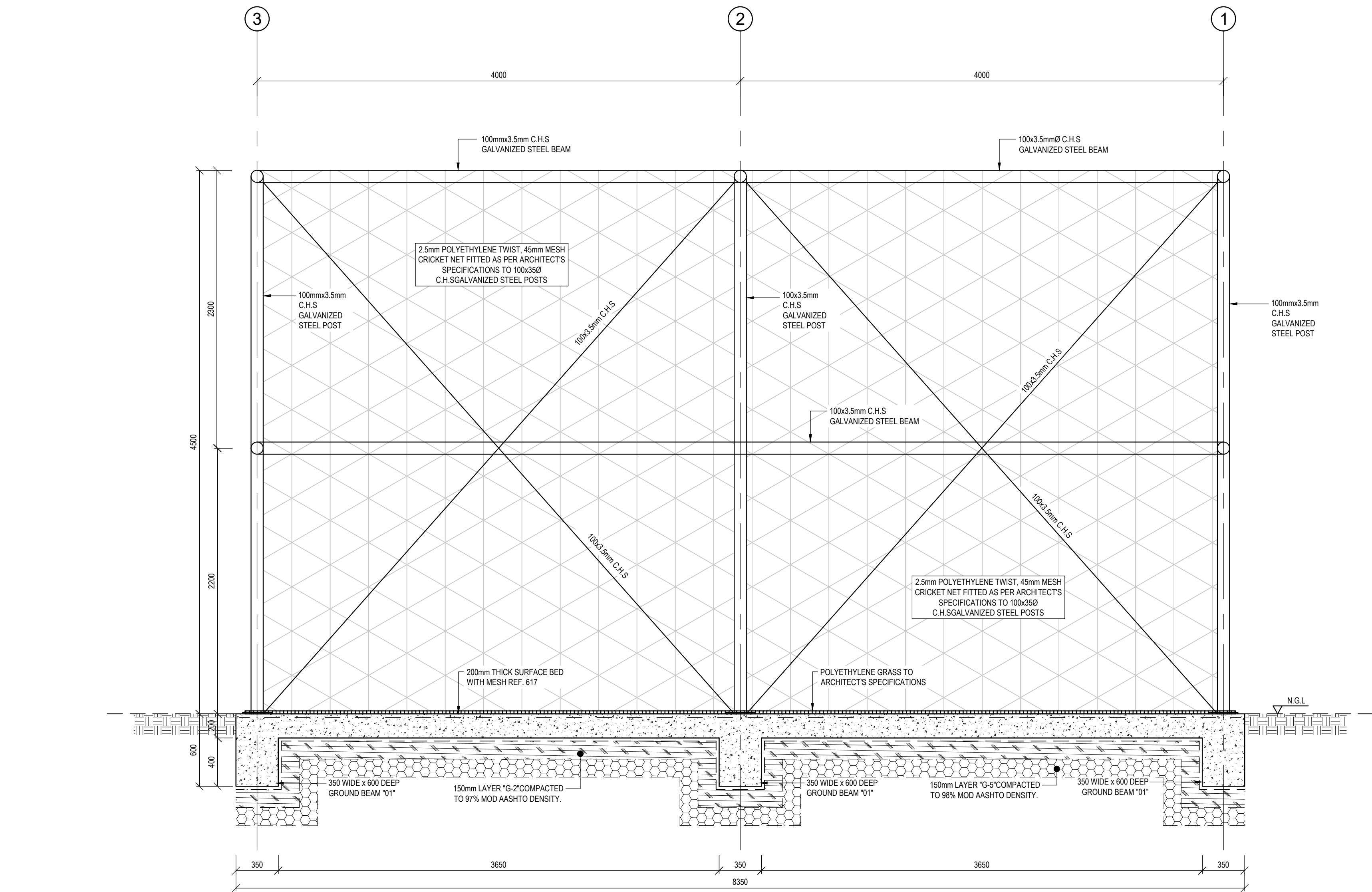
CLIENT:
WINNIE MADIKIZELA-MANDELA LOCAL MUNICIPALITY

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

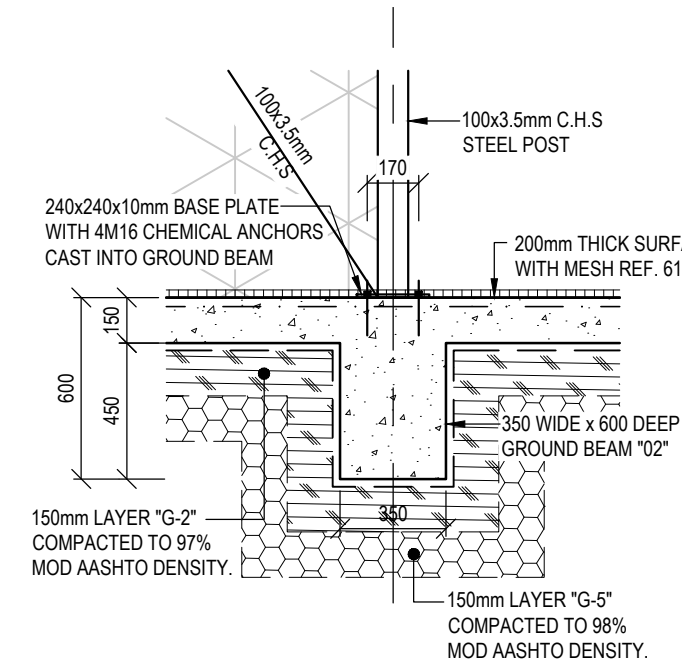
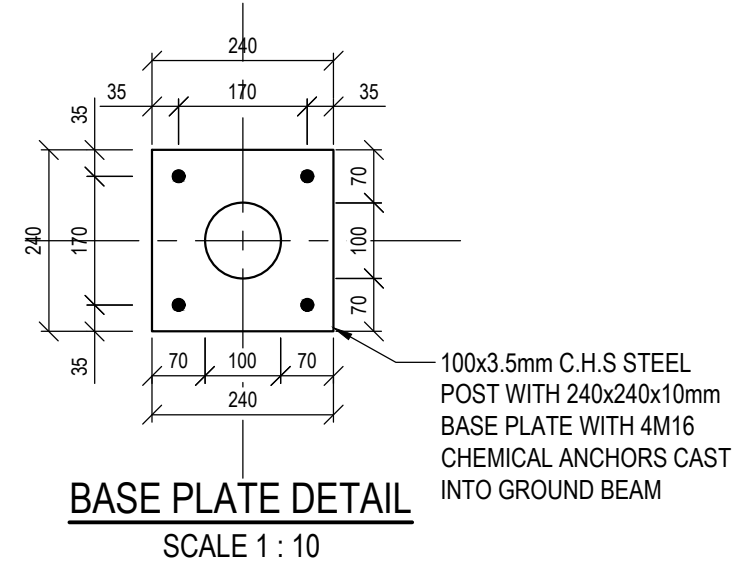
DRAWING DESCRIPTION:
CRICKET PITCH
FOUNDATION AND SURFACE BED LAYOUTS

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

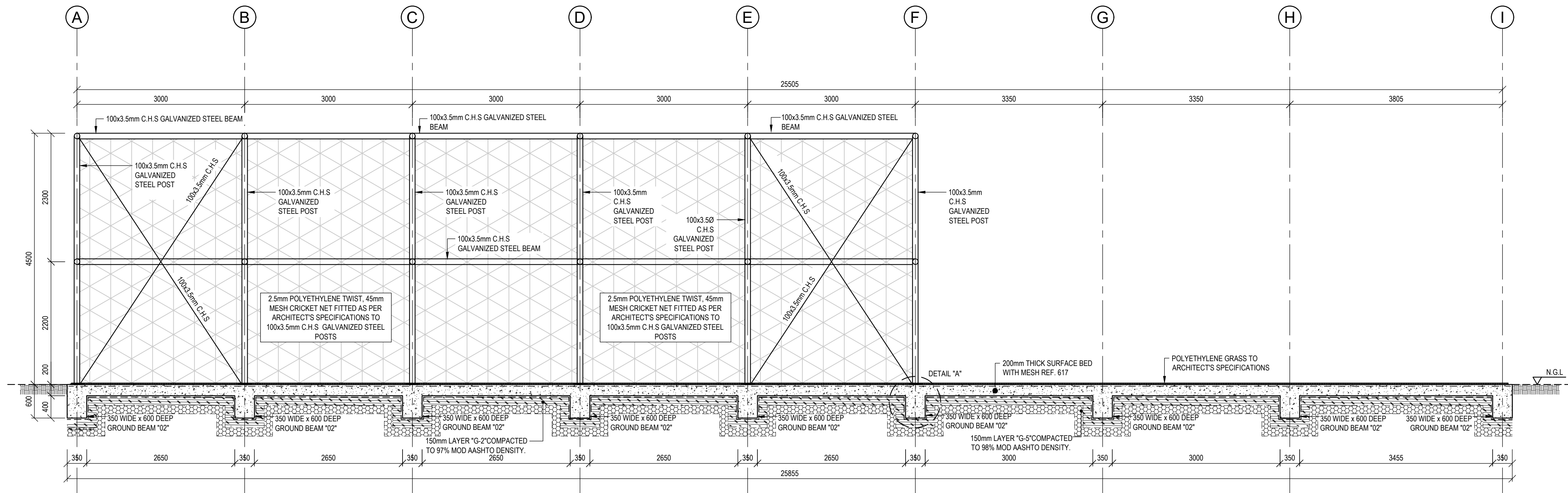
ISSUED FOR TENDER



SECTION C1-C1
SCALE 1 : 25



DETAIL "A"
SCALE 1 : 25



SECTION C2-C2
SCALE 1 : 50

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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.

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DATE ISSUED	26-09-2025	SHEET SIZE	A1
SCALE AS SHOWN			

CONSULTANT



Consulting Engineers Pty (Ltd)
CONSULTANTS, ENGINEERS, PROJECT MANAGEMENT SERVICES
Pretoria - Durban - Port Shepstone - Eastern Cape

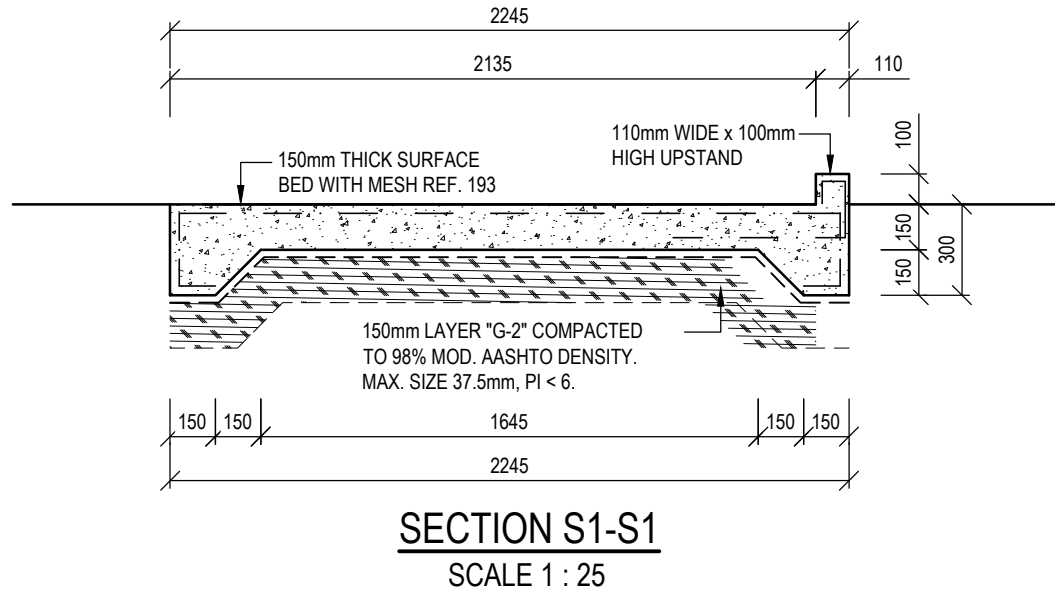
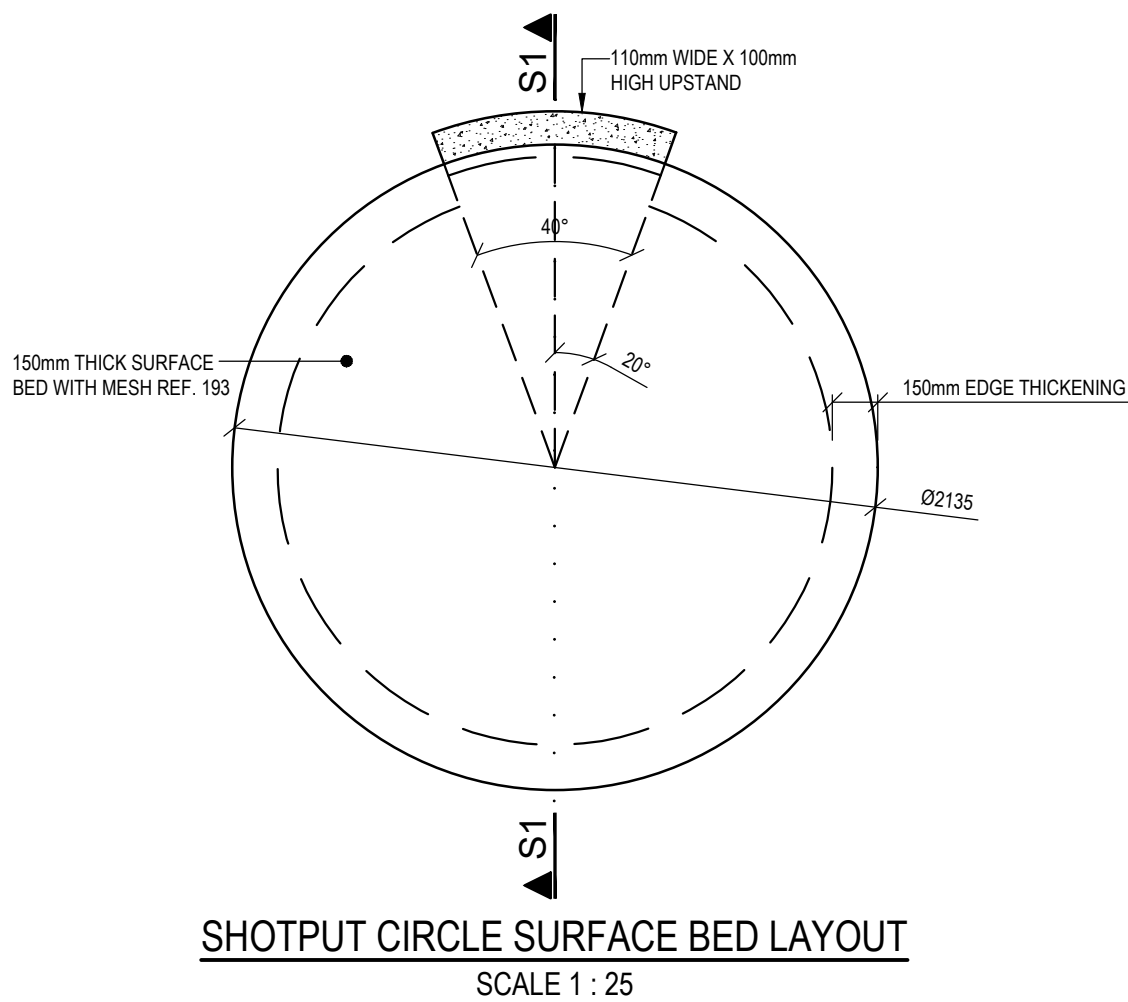
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CLIENT:
WINNIE MADIKIZELA-MANDELA LOCAL MUNICIPALITY
PROJECT:
PROPOSED MPHUTHUMI MAFUMBATHA
MULTI-PURPOSE CENTRE : CRICKET PITCHER'S NET
DRAWING DESCRIPTION:
CRICKET PITCH
SECTIONS AND DETAILS

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



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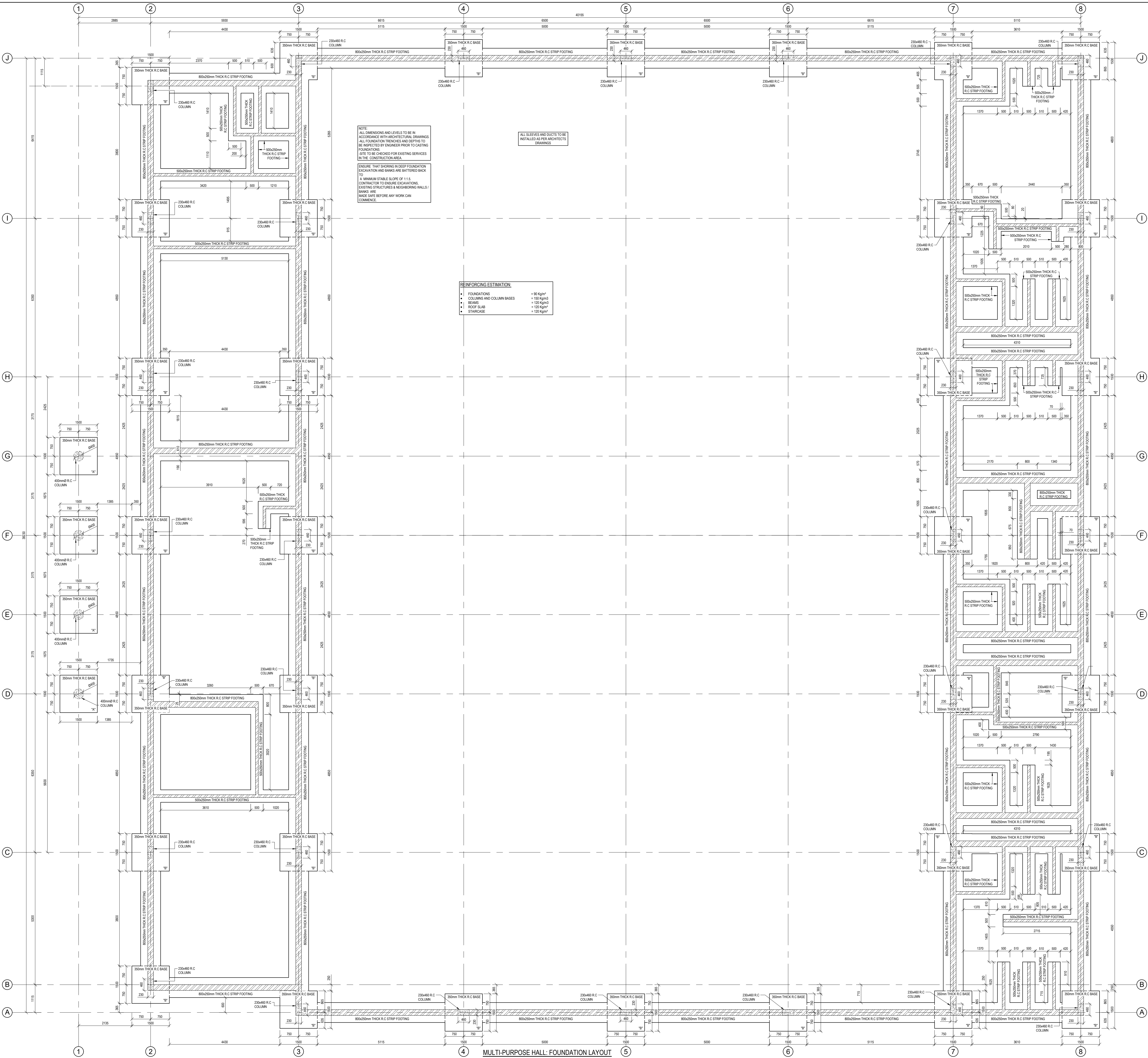
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CONSULTANT			
		215 ALPINE ROAD SPRINGFIELD, DURBAN, 4091 031 207 2926 082 468 6381 Veshall.K@kda.org.za	
Consulting Engineers Pty (Ltd) CONSULTING ENGINEERS PROJECT MANAGEMENT SERVICES Pretoria/Johannesburg - Durban - Port Shepstone - Eastern Cape		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



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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.

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DATE	DESCRIPTION	BY	REV

DESIGN	V.K.
DRAWN	A.H.
CHECKED	D.N.
DATE ISSUED	26-09-2025

SHEET SIZE A0
SCALE AS SHOWN

CONSULTANT



KDA
Consulting Engineers (Pty Ltd)
CONSULTANTS FOR CONSTRUCTION AND INFRASTRUCTURE SERVICES
Pretoria - Durban - Port Shepstone - Eastern Cape

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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



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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.
CHECKED	D.N.
DATE ISSUED	26-09-2025
SHEET SIZE	A0
SCALE	AS SHOWN

CONSULTANT



KDA
Consulting Engineers (Pty Ltd)
CONSULTING ENGINEERS AND ARCHITECTS
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dhanashan@kda.org.za

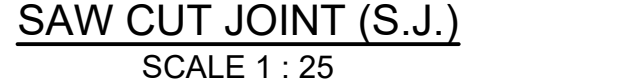
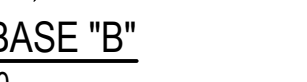
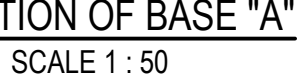
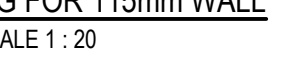
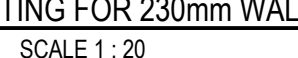
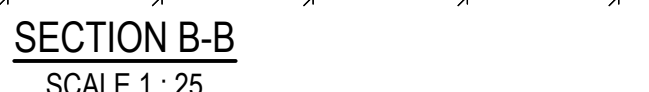
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CLIENT:
WINNIE MADIKIZELA-MANDELA LOCAL MUNICIPALITY

PROJECT:
PROPOSED MPHUTHUMI MAFUMBATHA
MULTI-PURPOSE CENTRE : MULTI-PURPOSE HALL

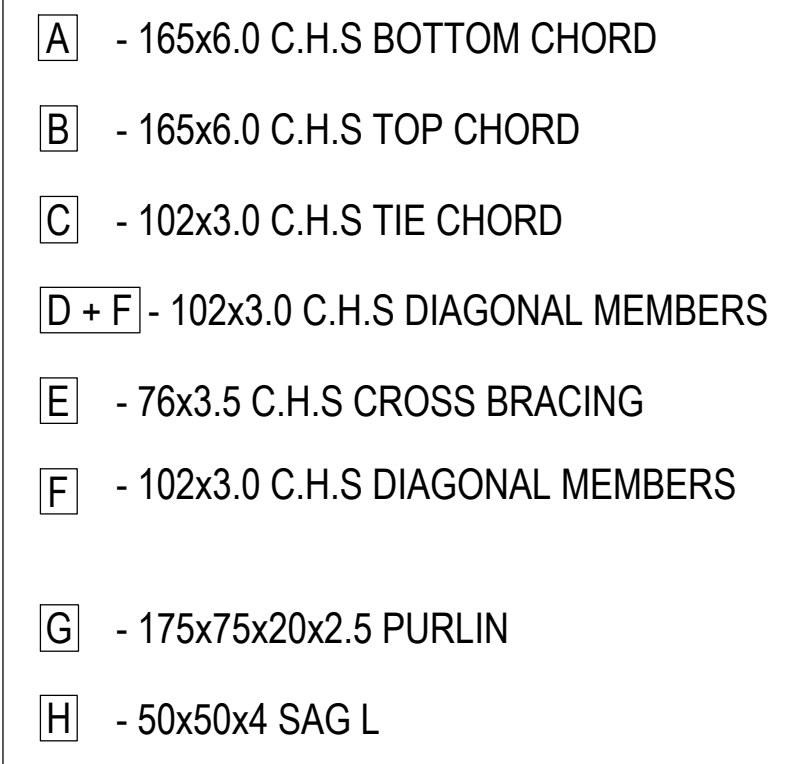
DRAWING DESCRIPTION:
MULTI-PURPOSE HALL:
SURFACE BED LAYOUT

PROJECT NUMBER	DRAWING NUMBER	DATE	REVISION
25131	311	06-10-2025	B



NUMBER			

PROJECT NUMBER	DRAWING NUMBER	DATE	REVISION
25131	312	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.

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 WORK CAN BEGIN.

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 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 "GALV-KLEEN" BY MEANS OF SCOTCHBRITE 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

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	B.N.

CHECKED	D.N.		
DATE ISSUED	06-10-2025	SHEET SIZE	A0
		SCALE	AS SHOWN

CONSULTANT



Consulting Engineers Pty (Ltd)
CIVIL | STRUCTURAL ENGINEERING | PROJECT MANAGEMENT SERVICES
Reg. No. 2015/241367/30C
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CLIENT: _____

WINNIE MADIKIZELA-MANDELA LOCAL MUNICIPALITY

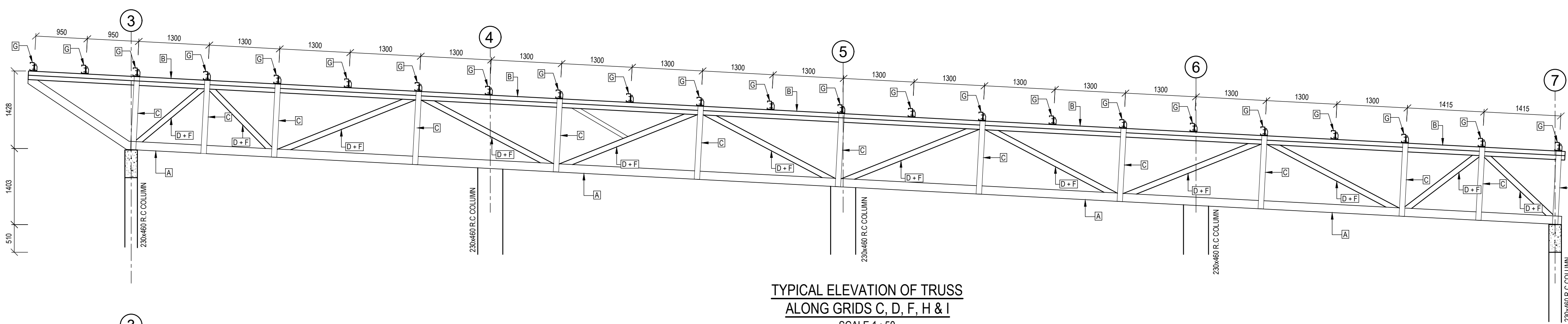
PROJECT:

ROPOSED MPHUTHUMI MAFUMBATHA

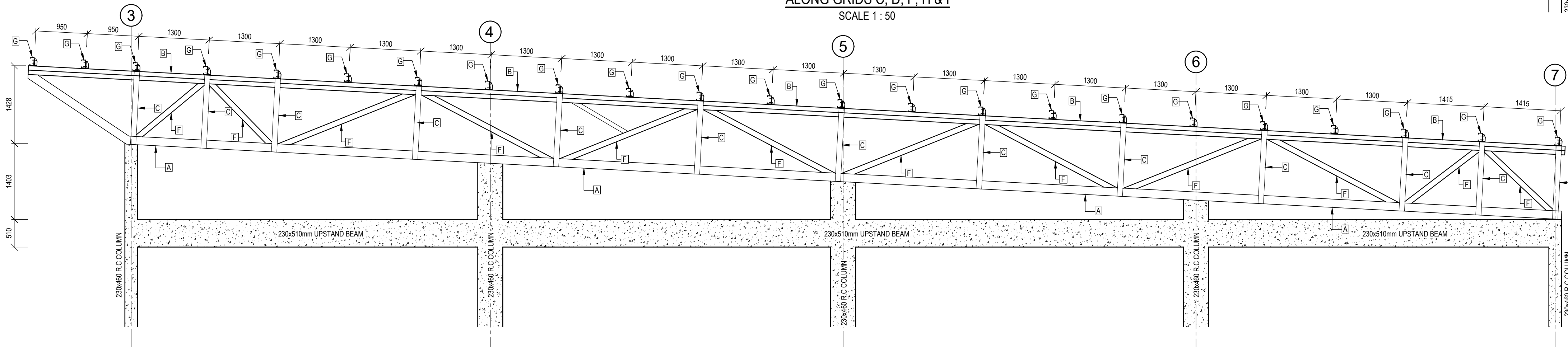
MULTI-PURPOSE CENTRE : MULTI-PURPOSE HALL

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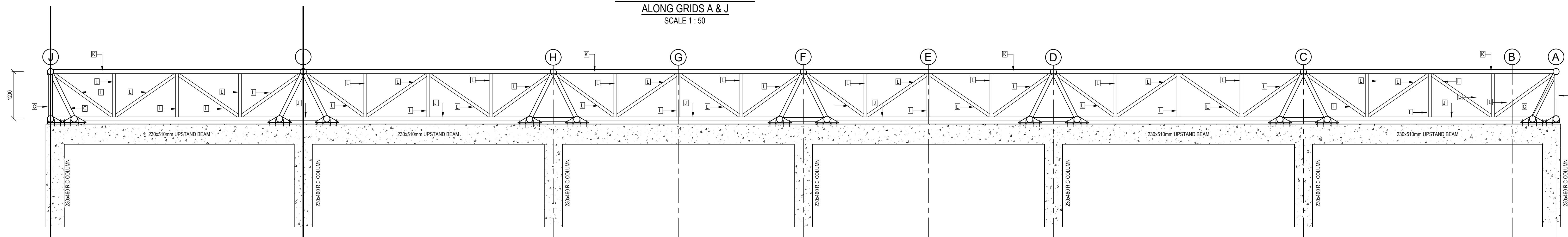
PROJECT NUMBER	DRAWING NUMBER	DATE	REVISION
25131	313	06-10-2025	A



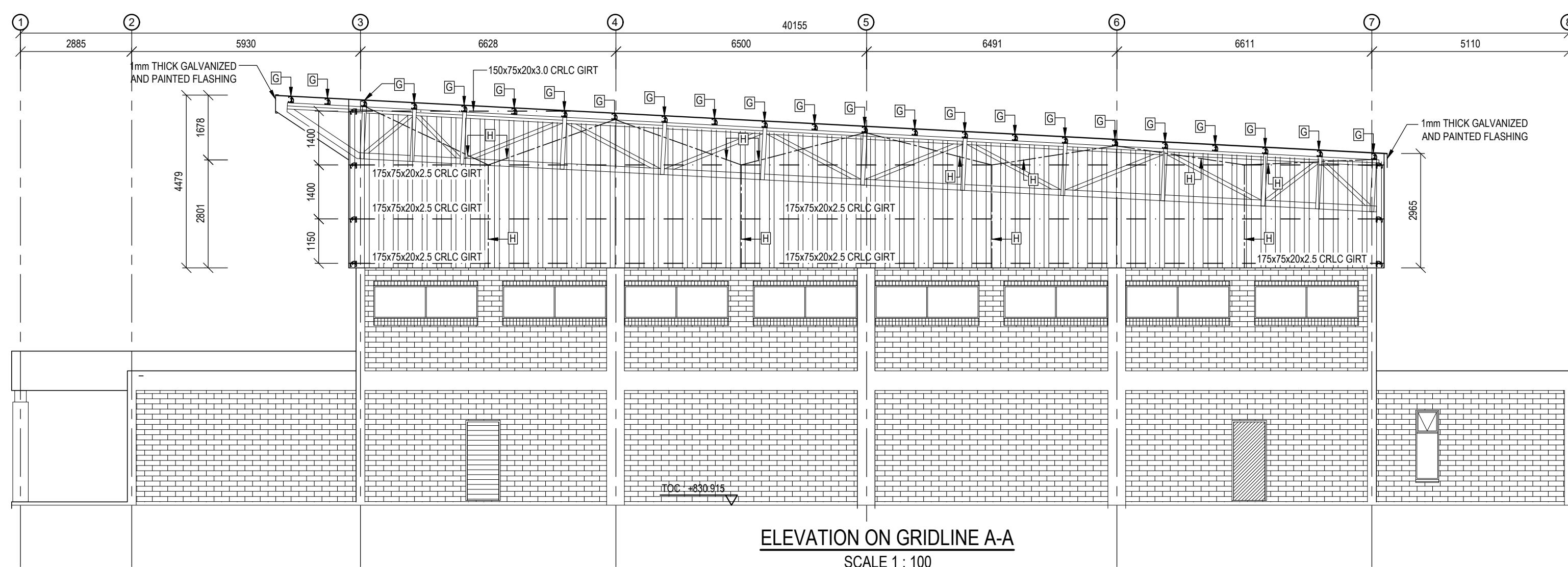
TYPICAL ELEVATION OF TRUSS
ALONG GRIDS C, D, F, H & I
SCALE 1 : 50



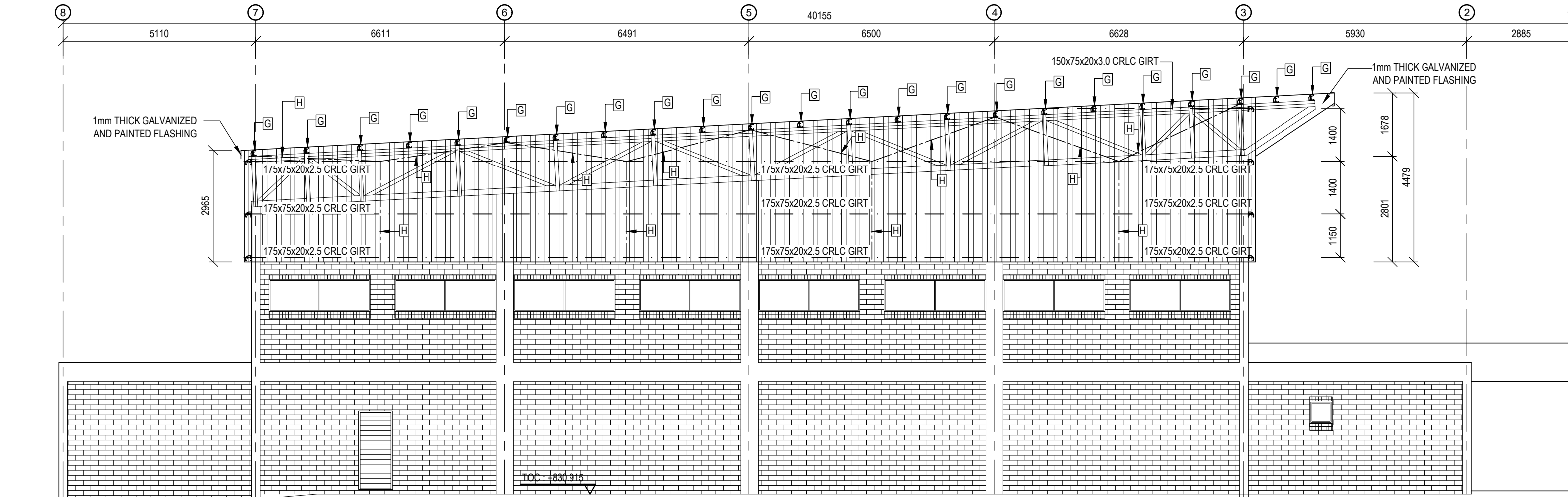
TYPICAL ELEVATION OF TRUSS
ALONG GRIDS A & J
SCALE 1 : 50



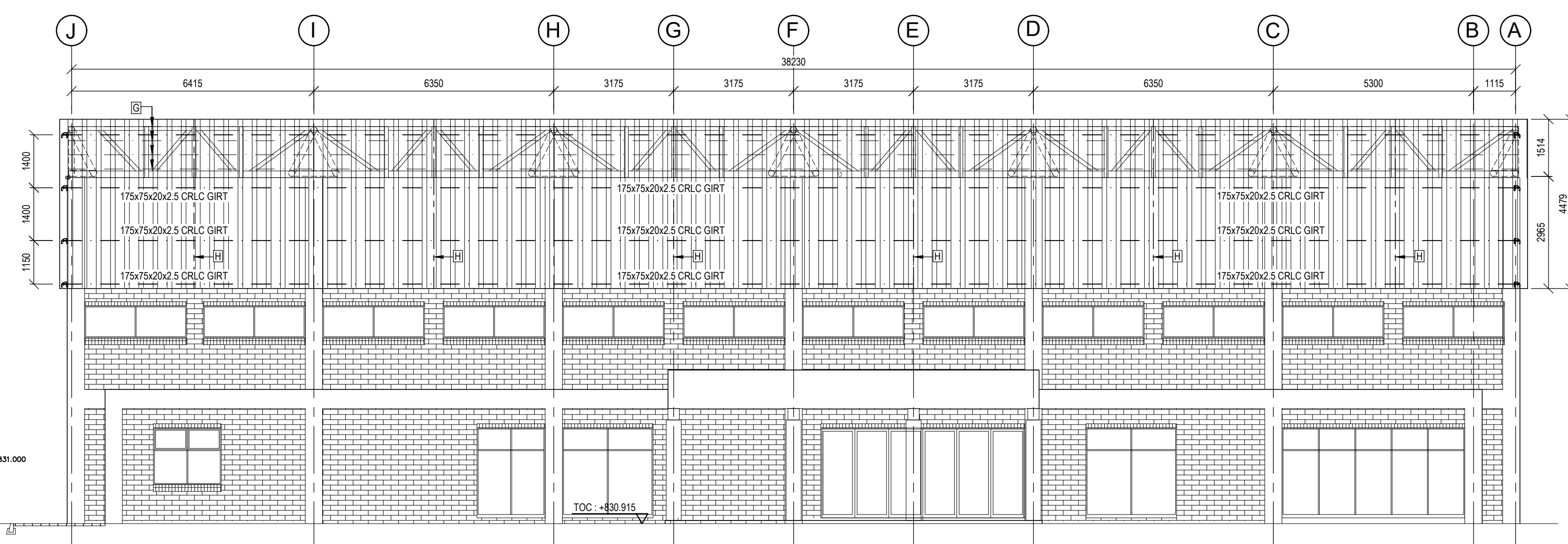
ELEVATION ON GRIDLINE 3-3
SHOWING ROOF TRUSSES
SCALE 1 : 50



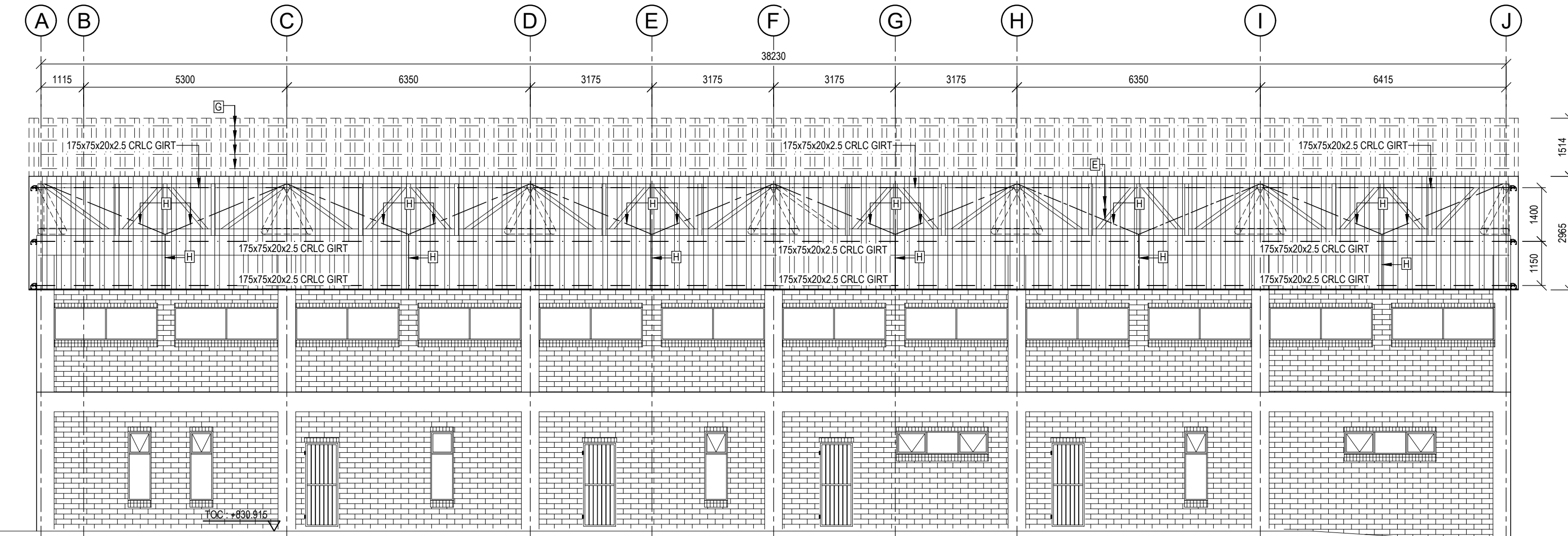
ELEVATION ON GRIDLINE A-A
SCALE 1 : 100



ELEVATION ON GRIDLINE J-J
SCALE 1 : 100

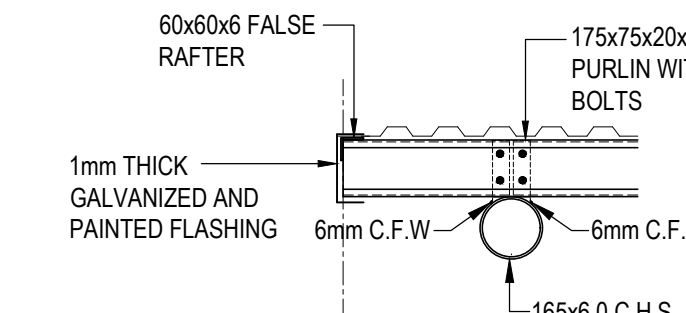


ELEVATION ON GRIDLINE 3-3
SCALE 1 : 100

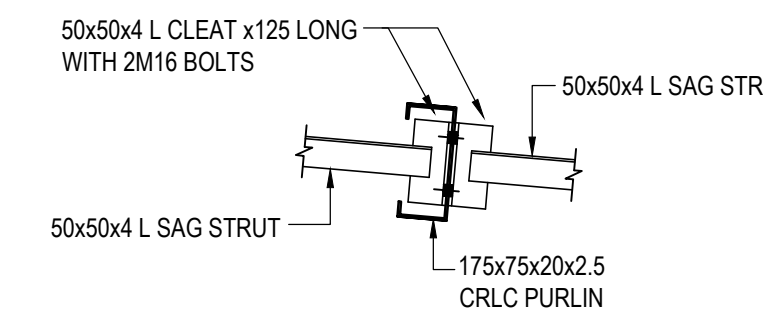


ELEVATION ON GRIDLINE 7-7
SCALE 1 : 100

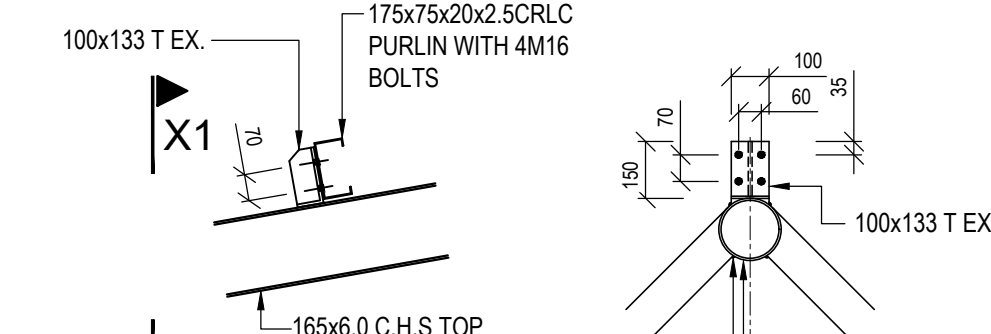
- A - 165x6.0 C.H.S BOTTOM CHORD
- B - 165x6.0 C.H.S TOP CHORD
- C - 102x3.0 C.H.S TIE CHORD
- D + F - 102x3.0 C.H.S DIAGONAL MEMBERS
- E - 76x3.5 C.H.S CROSS BRACING
- F - 102x3.0 C.H.S DIAGONAL MEMBERS
- G - 175x75x20x2.5 PURLIN
- H - 50x50x4 SAG L



FALSE RAFTER DETAIL
SCALE 1 : 20

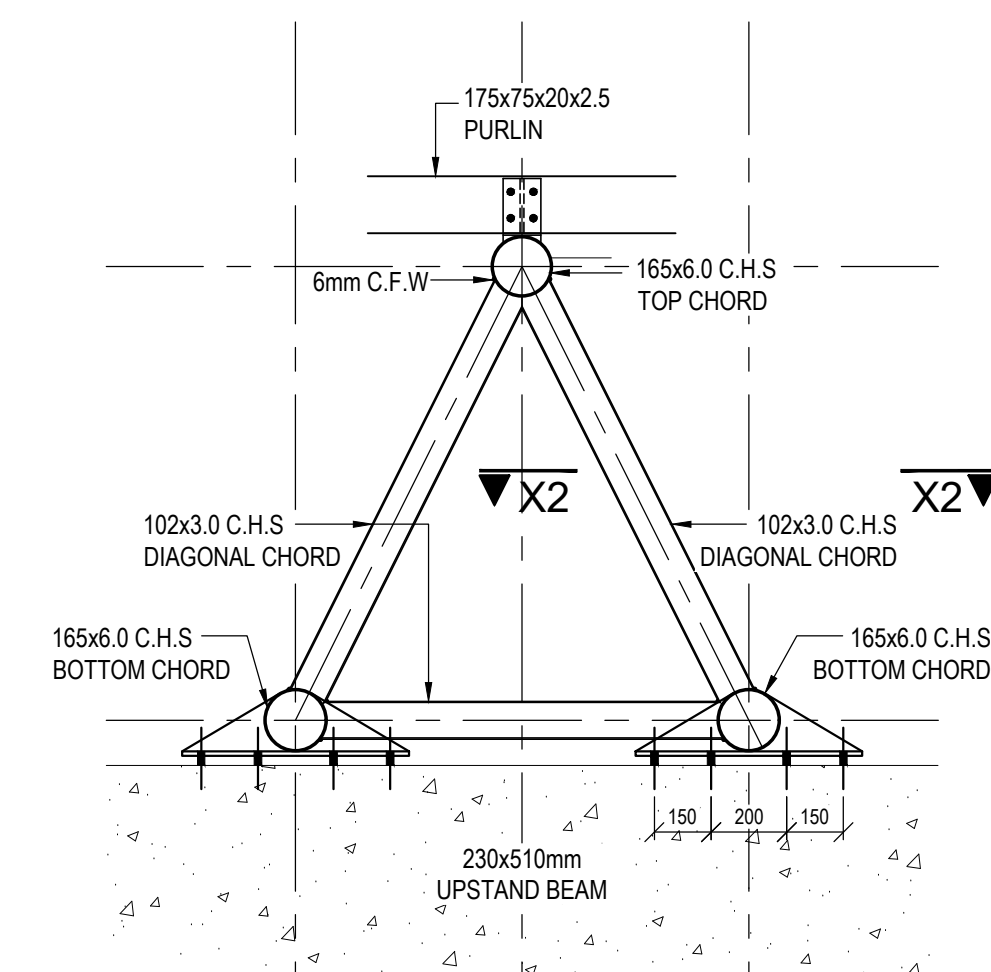


SAG STRUT END CONNECTION
SCALE 1 : 10

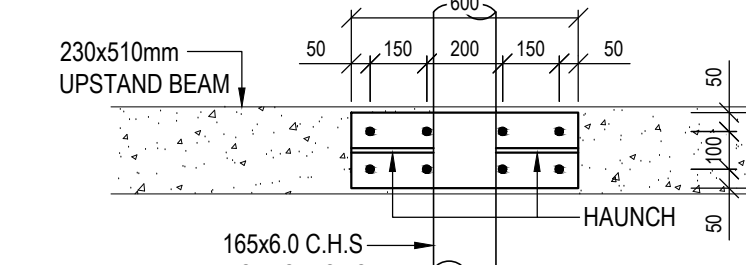


PURLIN DETAIL
SCALE 1 : 20

SECTION X1-X1
SCALE 1 : 20



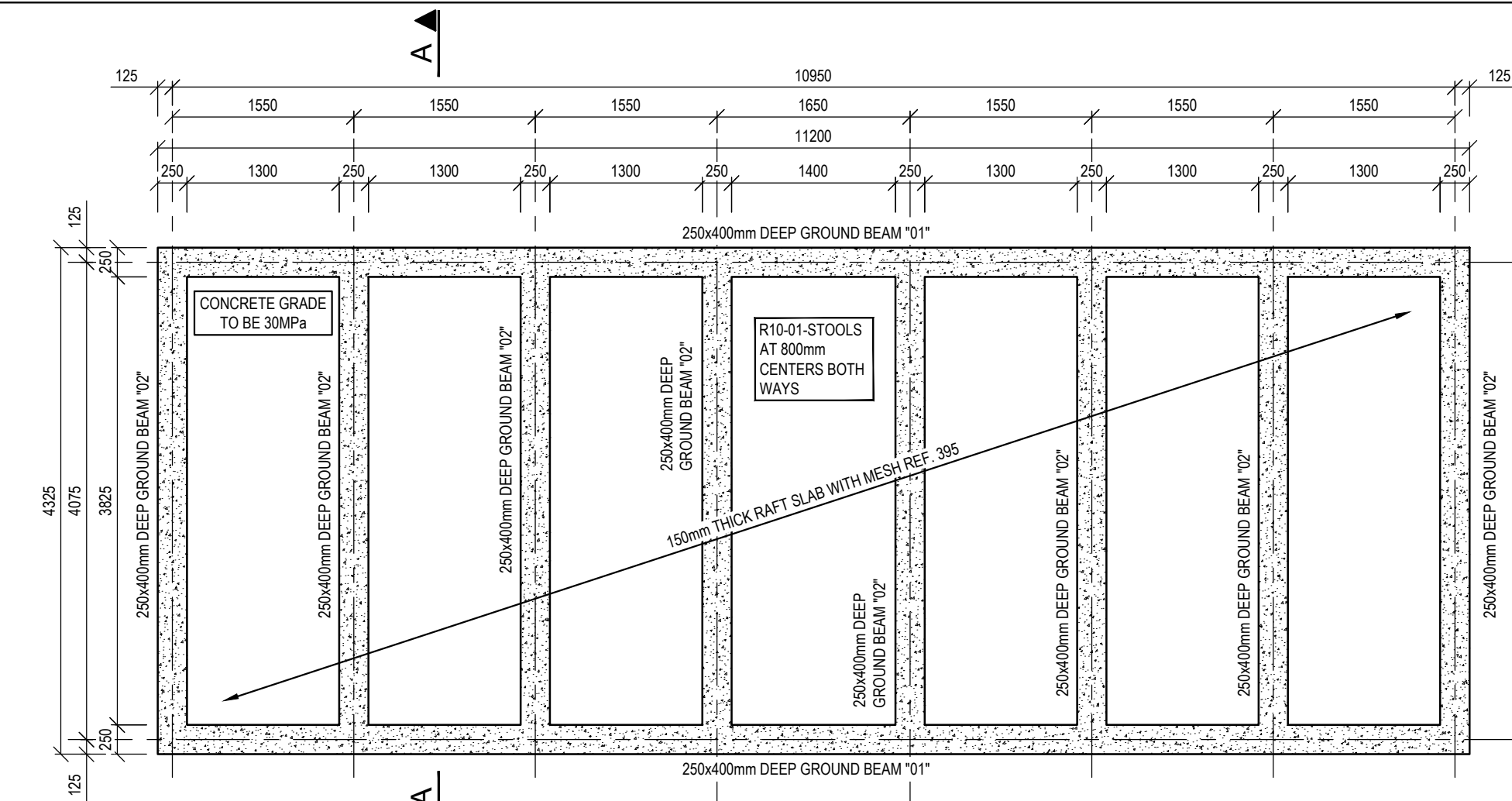
TYPICAL CONNECTION DETAIL
SCALE 1 : 20



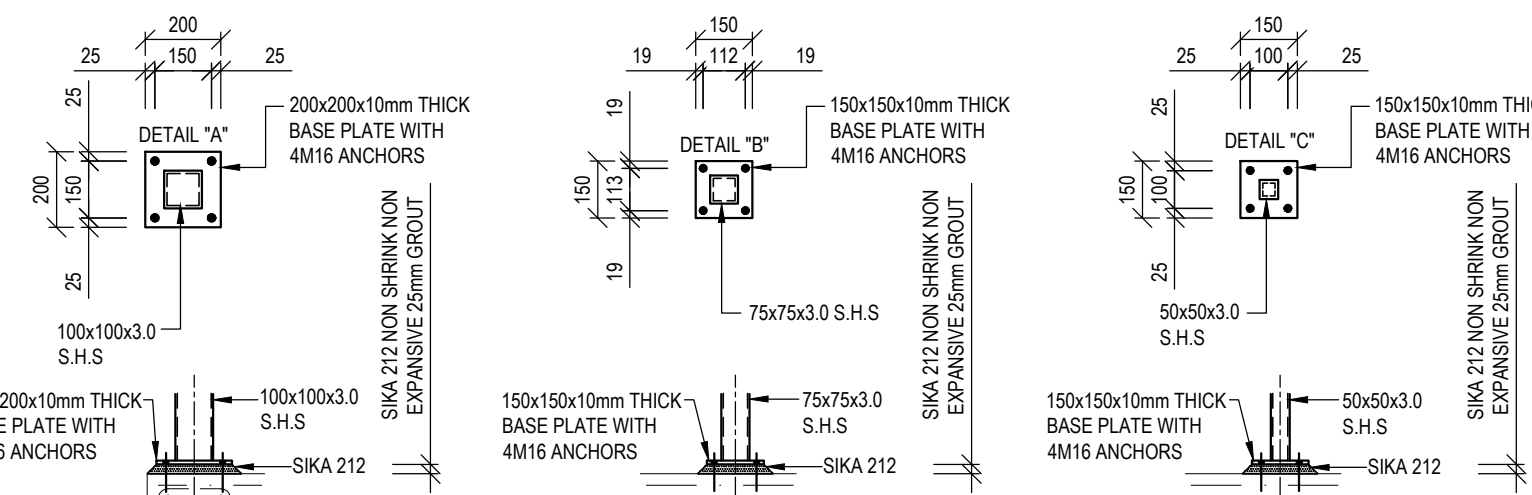
SECTION X2-X2
SCALE 1 : 20

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 2826 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



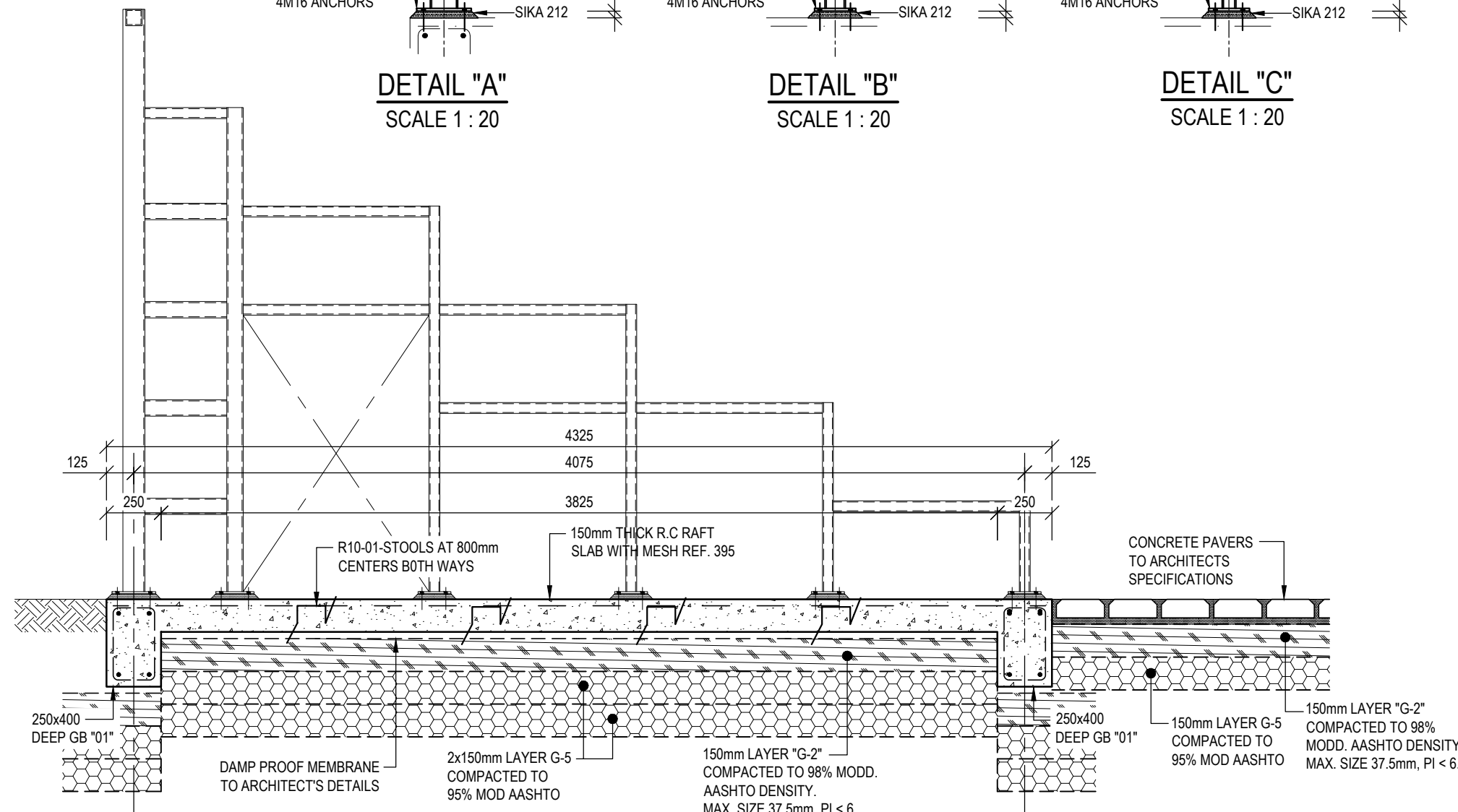
GRAND STAND RAFT SLAB LAYOUT
(PER STAND)
SCALE 1 : 50



DETAIL "A"
SCALE 1 : 20

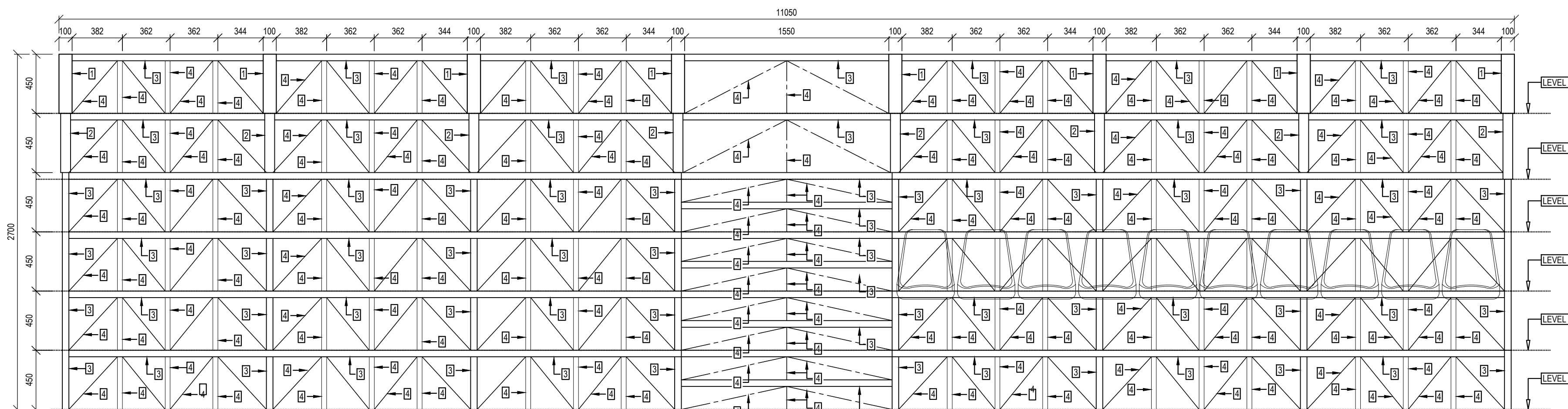
DETAIL "B"
SCALE 1 : 20

DETAIL "C"
SCALE 1 : 20

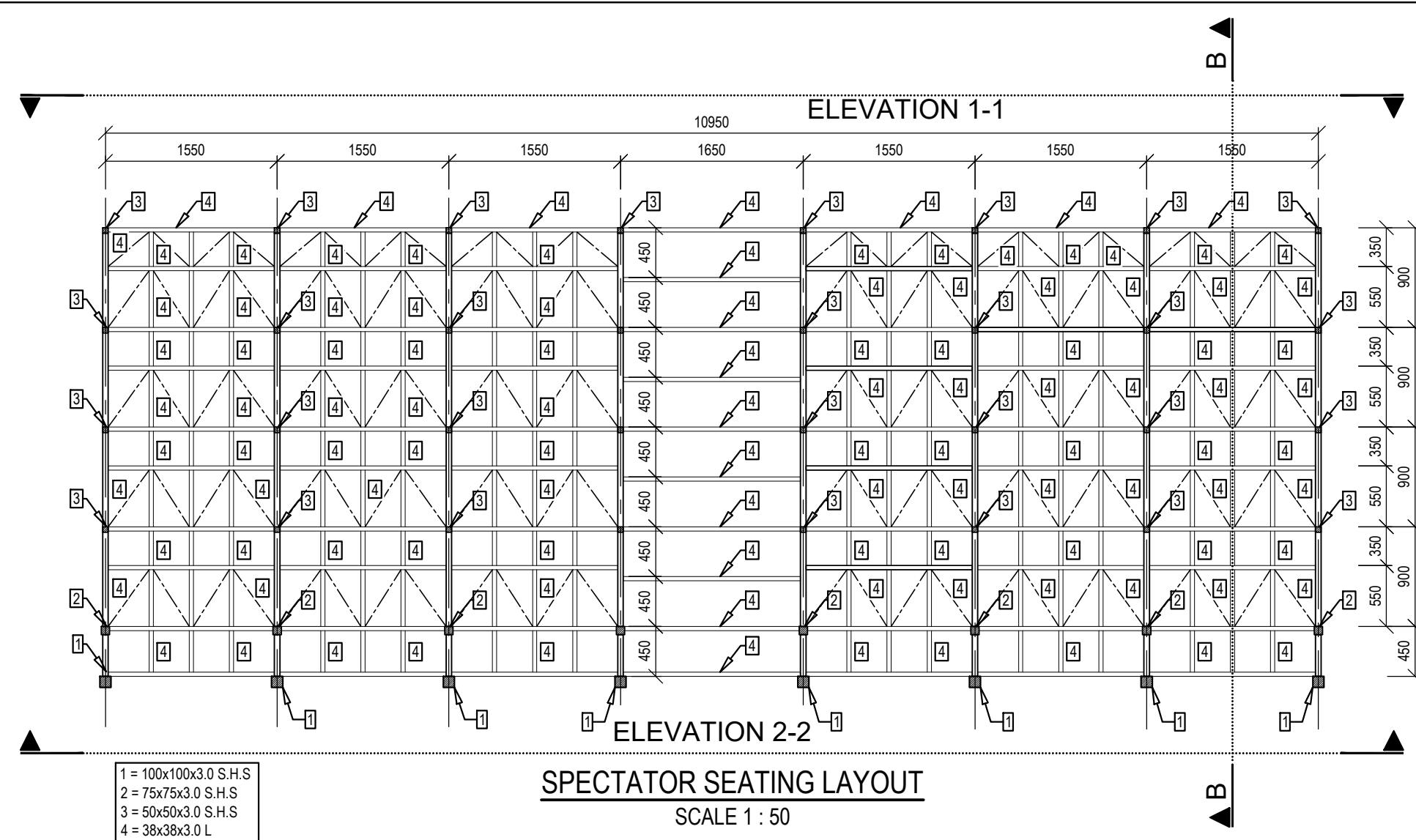


SECTION A-A
SCALE 1 : 25

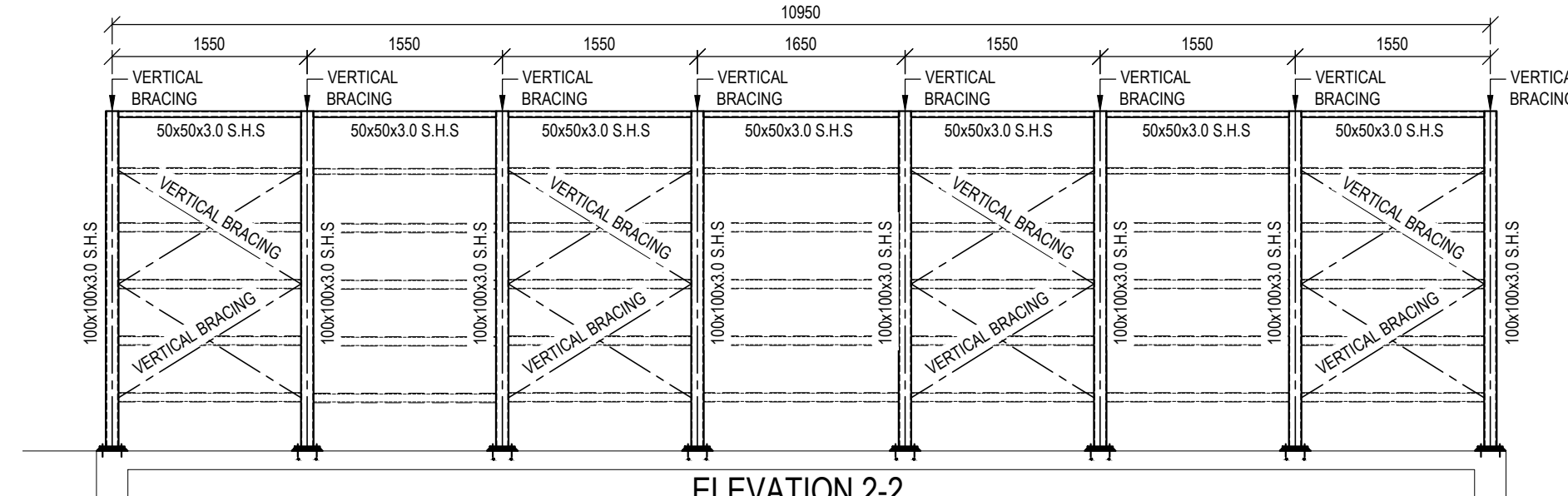
1 = 100x100x3.0 S.H.S.
2 = 75x75x3.0 S.H.S.
3 = 50x50x3.0 S.H.S.
4 = 38x38x3.0 L



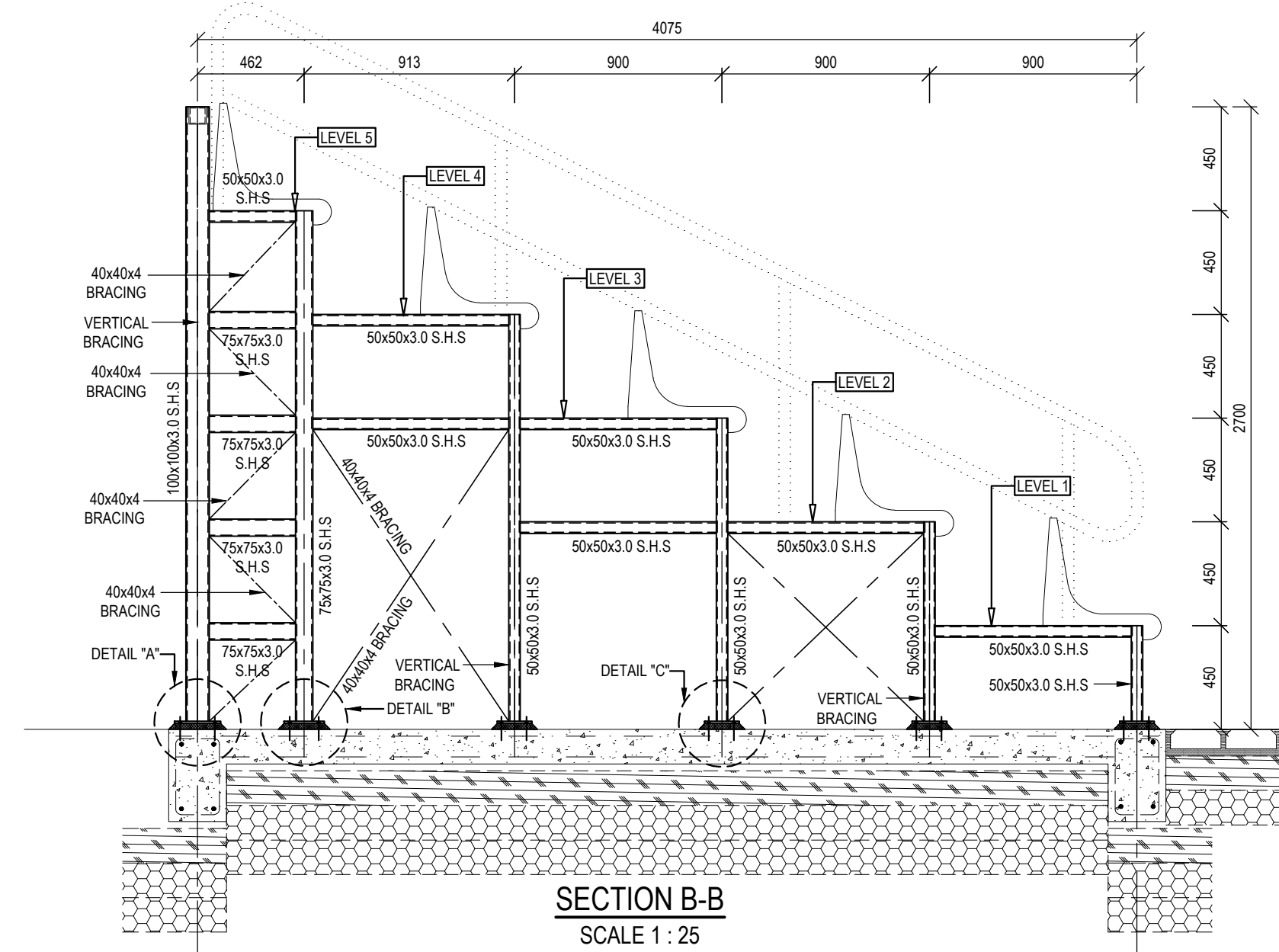
ELEVATION 1-1
SCALE 1 : 25



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 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. 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

KDA Consulting Engineers Pty (Ltd) Civil/Structural/Engineering/PROJECT MANAGEMENT SERVICES Pietermaritzburg - Durban - Port Shepstone - Eastern Cape Reg. No. 2015/00490/001 dhanashan@kda.org.za	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 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

