



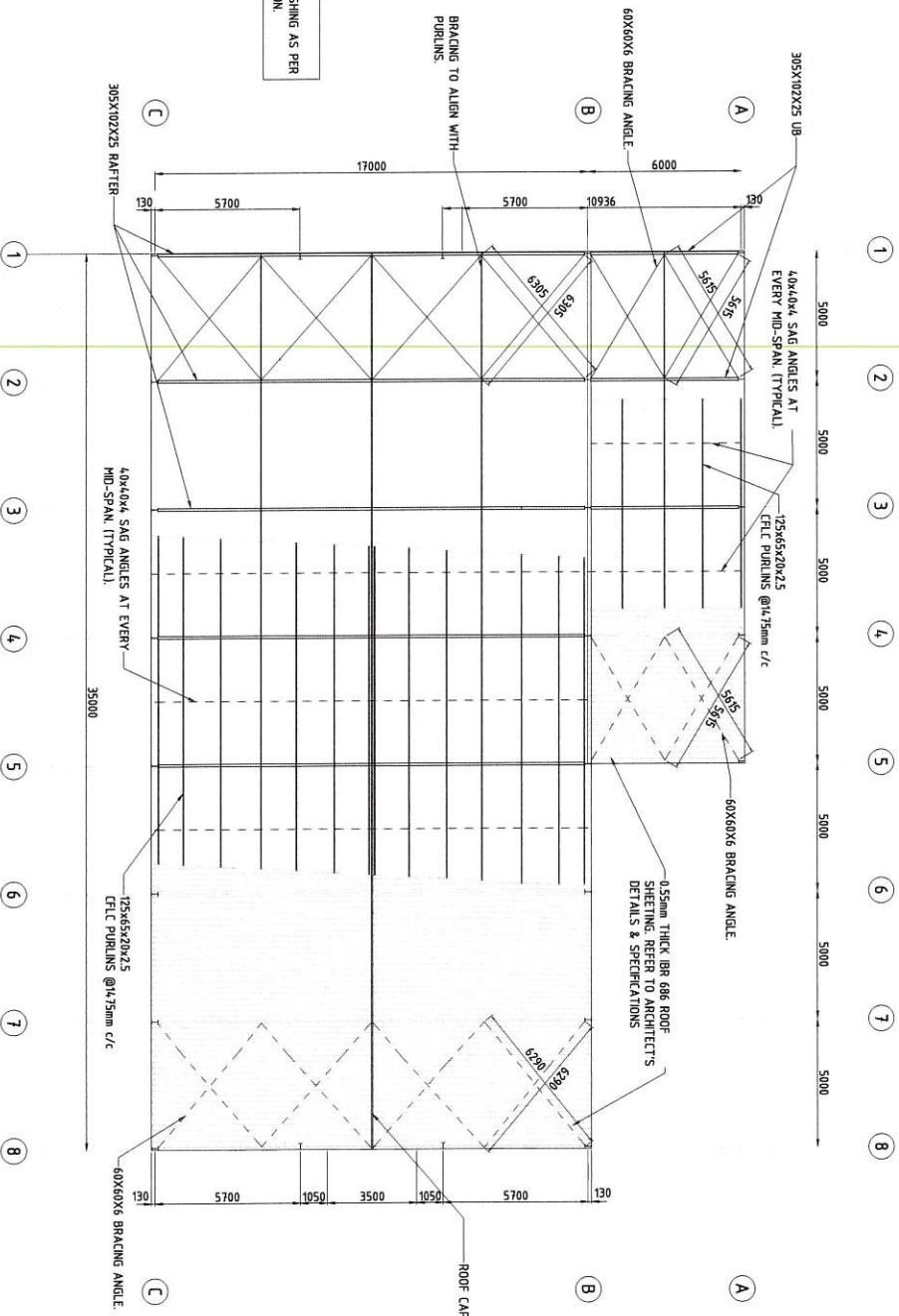


APPROVED / REVIEWED SIGNATURE		DATE	
APPROVAL : ENGINEER : PR. ENG. NO : SIGNATURE :		201100003 ERLO DE WAAL THOMAS SINDEN THOMAS SINDEN	
PROJECT DIRECTOR		TITLE	
THOMAS SINDEN		ERLO DE WAAL	
PROJECT MANAGER		ERLO DE WAAL	
THOMAS SINDEN		ERLO DE WAAL	
DESIGN CHIEF		ERLO DE WAAL	
THOMAS SINDEN		ERLO DE WAAL	
DRAWING CHECK		ERLO DE WAAL	
THOMAS SINDEN		ERLO DE WAAL	
SCALE 1:100		SCALE 1:100	
			
 South Africa Member of the International Geotechnical Society		SPEC PROJECT No. PM752	
		VHEMBE DISTRICT MUNICIPALITY TRACTOR SHED SITE LAYOUT DRAWING TRACTOR SHED LAYOUT SHEET 1	
DRAWING NO : 001 DRAWING TYPE : 001 PROJECT NO : 001		PROJECT NO : 001 DRAWING TYPE : 001 PROJECT NO : 001	



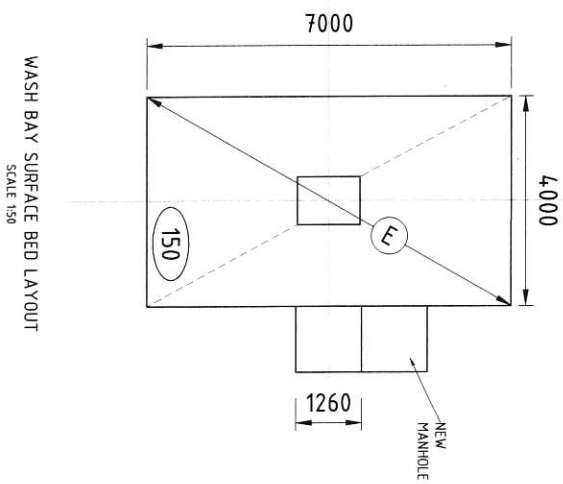
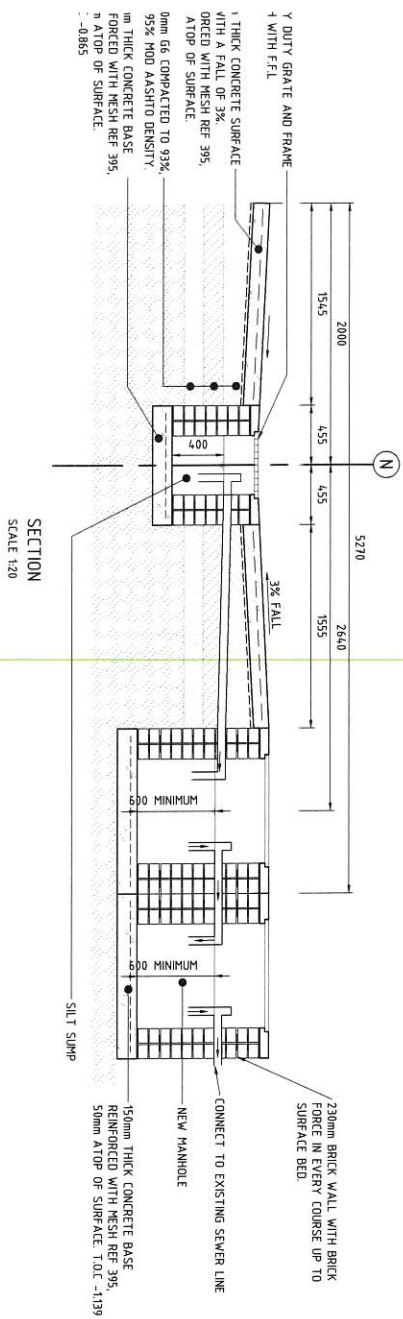
- NOTES:
1. REFER TO DCN-001 TO 002 FOR GENERAL NOTES & SPECIFICATIONS.
  2. REFER TO DRAWING DCN-003 FOR LAYOUT PLAN.
  3. REFER TO DRAWING DCN-004 FOR FOUNDATION LAYOUT.
  4. REFER TO DRAWING DCN-005 FOR SURFACE BED LAYOUT, SECTIONS & DETAILS.
  5. REFER TO DRAWING DCN-006-007 FOR SECTIONS.
  6. REFER TO DRAWING DCN-008 FOR ELEVATIONS.
  7. REFER TO DRAWING DST-009 FOR STRUCTURAL STEEL ROOF LAYOUT DCN-010 FOR REINFORCED CONCRETE ROOF LAYOUT
  8. REFER TO DRAWING DCN-011 FOR STRUCTURAL STEEL CONNECTION DETAILS.
  9. REFER TO DBR-012 TO 015 FOR FOUNDATION REINFORCEMENT.
  10. REFER TO DBR-016 FOR STRIP FOUNDATION REINFORCEMENT.
  11. REFER TO DBR-017 FOR ROOF SLAB REINFORCEMENT.
  12. REFER TO DCN-001 ITEM 14, FOR CURING DETAILS.
  13. REFER TO DCN-001 ITEM 7 FOR CONCRETE STRENGTH.
  14. REFER TO DCN-002 ITEM 2 FOR STEEL STRENGTH.
  15. REFER TO DCN-002 ITEM 3 FOR PAINT SPECIFICATIONS.
  16. STEELWORK TO BE PAINTED REFER TO DCN-002 ITEM 9 FOR PAINT SPECIFICATIONS.
  17. FOUNDATIONS & STUB COLUMNS TO BE SET OUT ON GRAD LINES, UNLESS NOTED OTHERWISE.
  18. BRICKWORK TO BE BUILT IN EVERY COURSE ABOVE OPENINGS FOR MN & COURSES.
  19. BRICKWORK TO BE BUILT IN EVERY COURSE BELOW SURFACE BED LEVEL, AND EVERY 3RD COURSE ABOVE THE SURFACE BED.
  20. BUTTERFLY TIES TO BE IN EVERY 2ND COURSE.
  21. BRICKWORK TO BE 14MPa NF3 BRICKS IN CLASS 2 MORTAR.
  22. ALL REINFORCING FIXING IS TO BE INSPECTED BY THE ENGINEER PRIOR TO CASTING OF CONCRETE.
  23. SITE DIMENSIONS TO BE CHECKED & SHOP DRAWINGS TO BE SUBMITTED TO ENGINEER FOR APPROVAL BEFORE MANUFACTURING.



ROOF LAYOUT  
SCALE 1:100

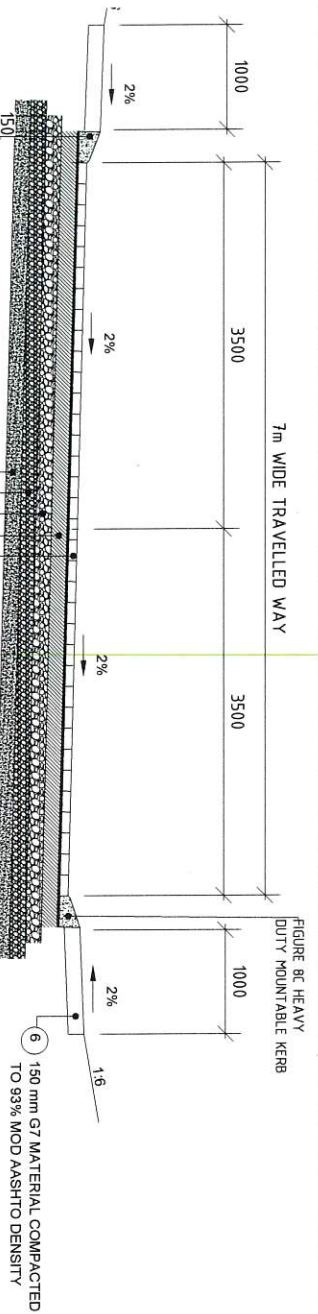
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2203 FOR TENDER 2203 REVISED LAYOUT		WILLIAM R.V. DUTTEREN 20150175		SCALE 1:100		SMEC PROJECT No. PH152		VHEMBE DISTRICT MUNICIPALITY TRACTOR SHED STRUCTURAL DRAWING ROOF LAYOUT SHEET 1 OF 1		PAGE 01 DST 009 8	





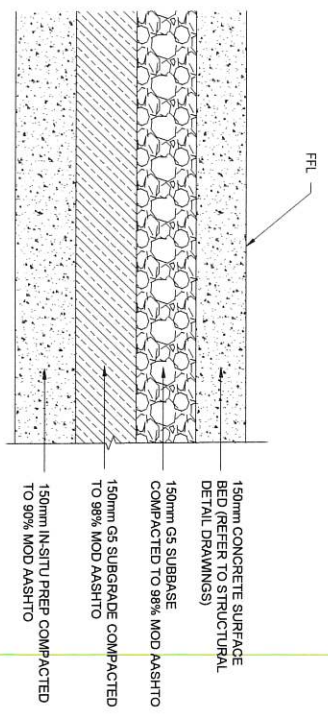
APPROVAL / REVIEW SIGNATURE	DATE	APPROVAL	REVIEW	TITLE	NAME	DESIGNER	CLIENT	REVISION
CONSTRUCTION	-	ENGINEER	-	DATE	ERLO DE WAAL	SMC	TRACON SHED	01
	-	PR. ENG. NO.	-	DESIGNED	ERLO DE WAAL	SMC	WASH BAY DRAWING	DSE
	-	SIGNATURE	-	DESIGN CHECK	THOMAS SINDEN	SMC	LAYOUT AND SECTION	SHEET 1
	-		-	PROJECT MANAGER	ERLO DE WAAL	SMC		002
	-		-	PROJECT DIRECTOR	THOMAS SINDEN	SMC		00



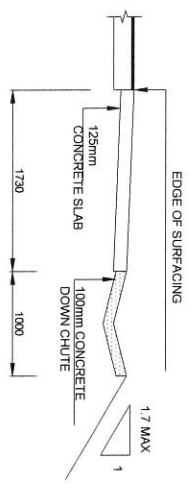


- 1 80mm COARSE EXPOSED AGGREGATE BLOCK PAVING ON 20MM SAND
- 2 150mm C4 MATERIAL COMPACTED TO 95% MOD AASHTO DENSITY
- 3 150mm G6 MATERIAL COMPACTED TO 93% MOD AASHTO DENSITY
- 4 150mm G7 MATERIAL COMPACTED TO 93% MOD AASHTO DENSITY
- 5 150mm IN-SITU MATERIAL COMPACTED TO 90% MOD AASHTO DENSITY
- 6 150 mm G7 MATERIAL COMPACTED TO 93% MOD AASHTO DENSITY

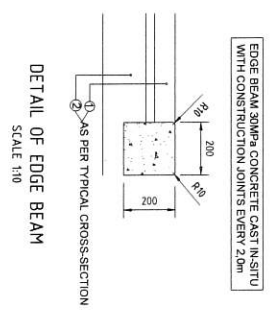
ROAD AND LAYERWORKS DETAIL  
SCALE 1:25



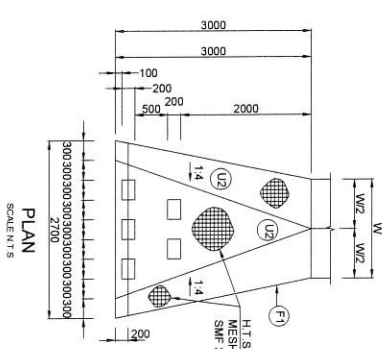
PLATFORM LAYERWORKS DETAIL  
SCALE 1:5



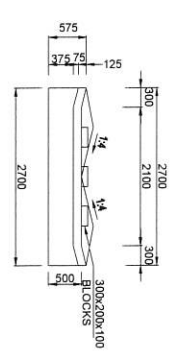
STORMWATER CHANNEL DETAIL  
SCALE 1:25



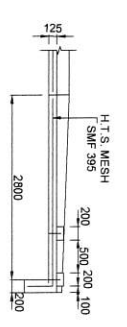
DETAIL OF EDGE BEAM  
SCALE 1:10



PLAN  
SCALE 1:25



ELEVATION  
SCALE 1:25



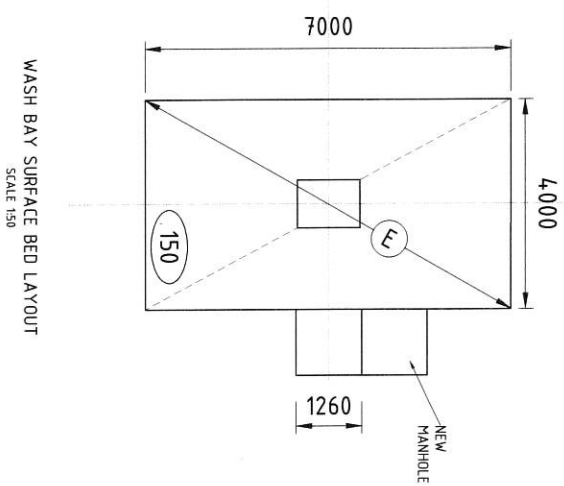
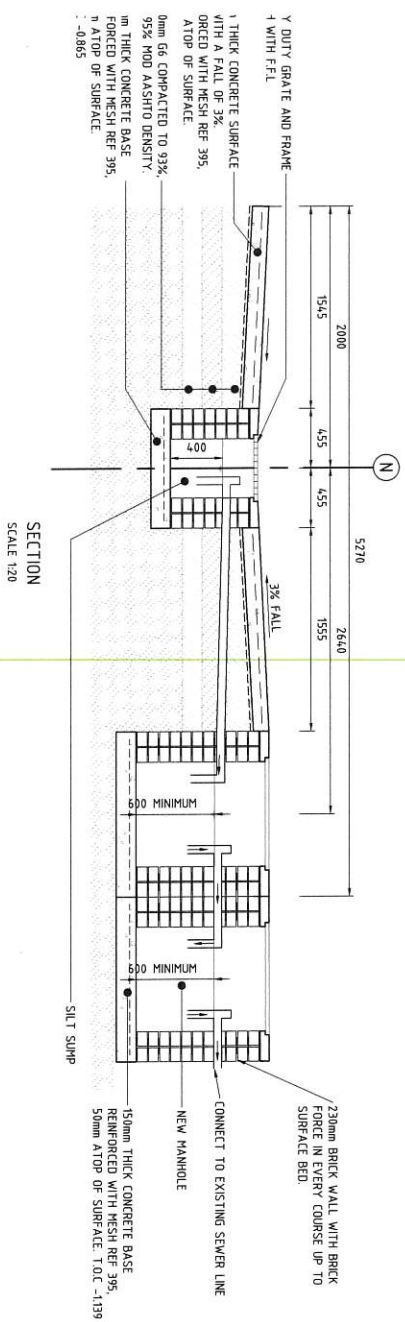
SIDE ELEVATION  
SCALE 1:25

STORMWATER OUTLET  
DETAILS  
SCALE 1:25

APPROVED / REVISED EDITION	DATE	APPROVAL	REVISION
CONSTRUCTION	-	-	-
ENGINEER :	ERLO DE WAAL	DESIGNER :	ERLO DE WAAL
PR ENG No. :	201130003	DESIGNER :	ERLO DE WAAL
SIGNATURE :		DESIGNER :	THOMAS SHINDEN
		PROJECT MANAGER :	ERLO DE WAAL
		PROJECT DIRECTOR :	THOMAS SHINDEN
<p>SCALE 1:100</p>			
<p>DESIGNER</p> <p>Member of the Sutherland-Smith Group</p> <p>SMC PROJECT No. P4152</p>			
<p>CLIENT</p>			
<p>DESCRIPTION</p> <p>VHEMBE DISTRICT MUNICIPALITY</p> <p>TRACTOR SHED</p> <p>LAYERWORKS AND STORMWATER</p> <p>DETAILS DRAWING</p> <p>SHEET 1</p> <p>01</p> <p>DRD</p> <p>003</p> <p>00</p>			



APPROVED / REVIEWER SIGNATURE		DATE		APPROVED / REVIEWER SIGNATURE		DATE	
SIGNATURE: _____		DATE: _____		SIGNATURE: _____		DATE: _____	
ENGINEER : _____		DATE: _____		ENGINEER : _____		DATE: _____	
PR. ENG. No. : _____		DATE: _____		PR. ENG. No. : _____		DATE: _____	
SIGNATURE: _____		DATE: _____		SIGNATURE: _____		DATE: _____	
PROJECT MANAGER : _____		DATE: _____		PROJECT MANAGER : _____		DATE: _____	
PROJECT DIRECTOR : _____		DATE: _____		PROJECT DIRECTOR : _____		DATE: _____	
TITLE		NAME		TITLE		NAME	
DRAWING CHECK		ERLO DE WAAL		DRAWING CHECK		ERLO DE WAAL	
DESIGNER		ERLO DE WAAL		DESIGNER		ERLO DE WAAL	
DESIGN CHECK		THOMAS SINDEN		DESIGN CHECK		THOMAS SINDEN	
PROJECT MANAGER		ERLO DE WAAL		PROJECT MANAGER		ERLO DE WAAL	
PROJECT DIRECTOR		THOMAS SINDEN		PROJECT DIRECTOR		THOMAS SINDEN	
SCALE 1:800		SCALE 1:800		SCALE 1:800		SCALE 1:800	
DISCLOSURE		DISCLOSURE		DISCLOSURE		DISCLOSURE	
SMEC		SMEC		SMEC		SMEC	
SMEC PROJECT No. PM752		SMEC PROJECT No. PM752		SMEC PROJECT No. PM752		SMEC PROJECT No. PM752	
SHEET 1		SHEET 1		SHEET 1		SHEET 1	
DRAWING TYPE		DRAWING TYPE		DRAWING TYPE		DRAWING TYPE	
DSE		DSE		DSE		DSE	
PAGE		PAGE		PAGE		PAGE	
002		002		002		002	
REVISION		REVISION		REVISION		REVISION	
00		00		00		00	













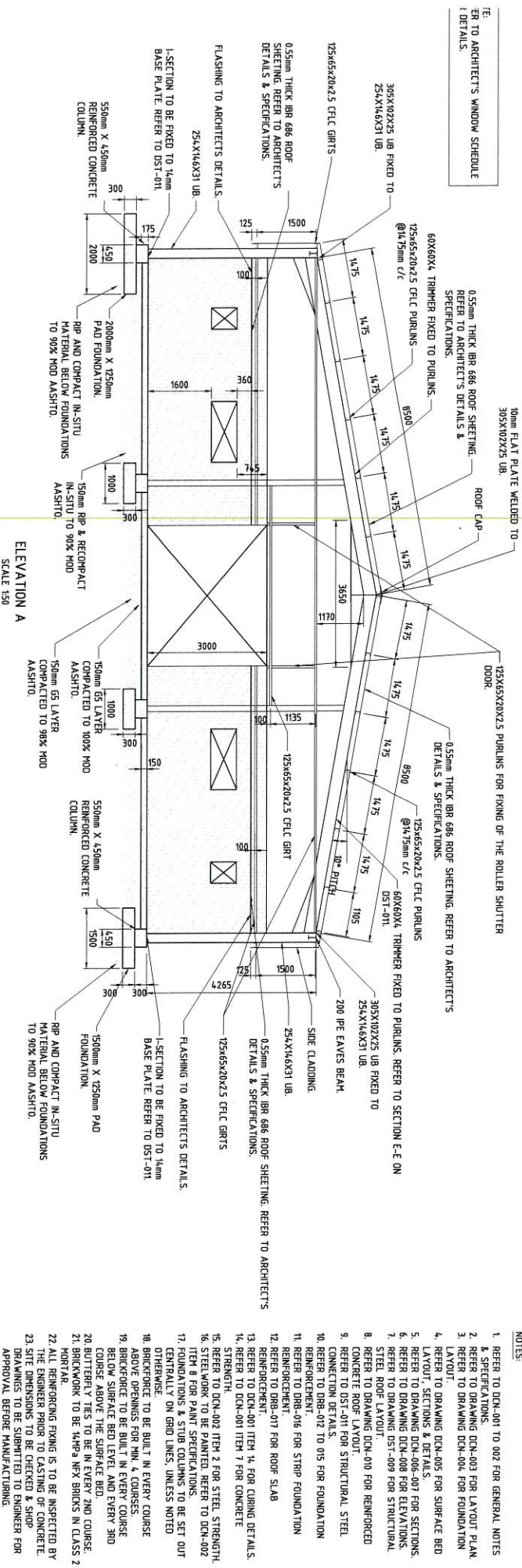


- FOR TENDER

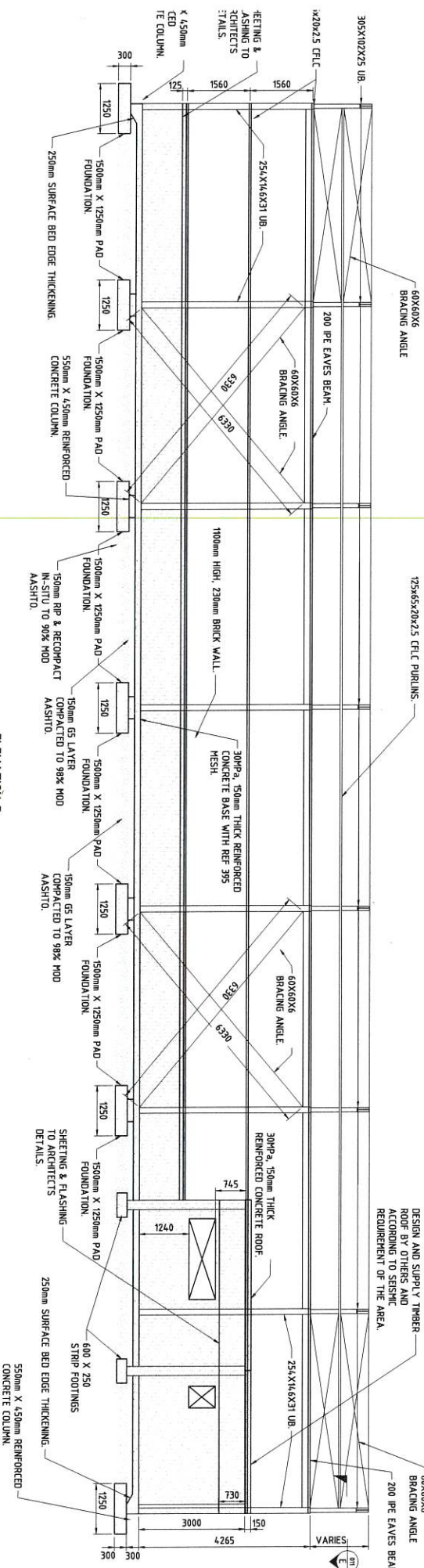
DATE 2/20/2017	APPROVAL FOR TENDER	DATE 2/20/2017	APPROVAL FOR TENDER	DRAWING APPROVED  ENGINEER : <b>WILLIAM R.V. DUGITEREN</b> PR ENG No. : <b>2050175</b> SIGNATURE : _____ PROJECT DIRECTOR : _____	TITLE DRAWING CHECK DESIGN DESIGN CHECK PROJECT MANAGER PROJECT DIRECTOR	NAME HMOODELY HAY MATHERN HMOODELY HAY MATHERN ED WALK	SCALE 1:50 	DESIGNED  <b>SMEC</b> Structural Division Member of the Sellen Group  SHEET PROJECT No. 049452	CLIENT 	INFORMATION <b>VHEMBE DISTRICT MUNICIPALITY</b> TRACTION SHED STRUCTURAL DRAWING SECTIONS 2-2-3 SHEET 1 OF 1	ISSUE 01 DRAWING TYPE DCN DRAWING NUMBER 007 REVISION A
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TE:  
ER TO ARCHITECT'S WINDOW SCHEDULE  
DETAILS.



ELEVATION A  
SCALE 1:50



ELEVATION B

[illegible]



VHEMBE DISTRICT MUNICIPALITY			
TRACTOR SHED			
STRUCTURAL DRAWING			
INTERNAL ROOF LAYOUT			
SHEET 1 OF 1			
PIN/SL	DRAWING TYPE	DRAWING NUMBER	REGION
01	DCN	010	A

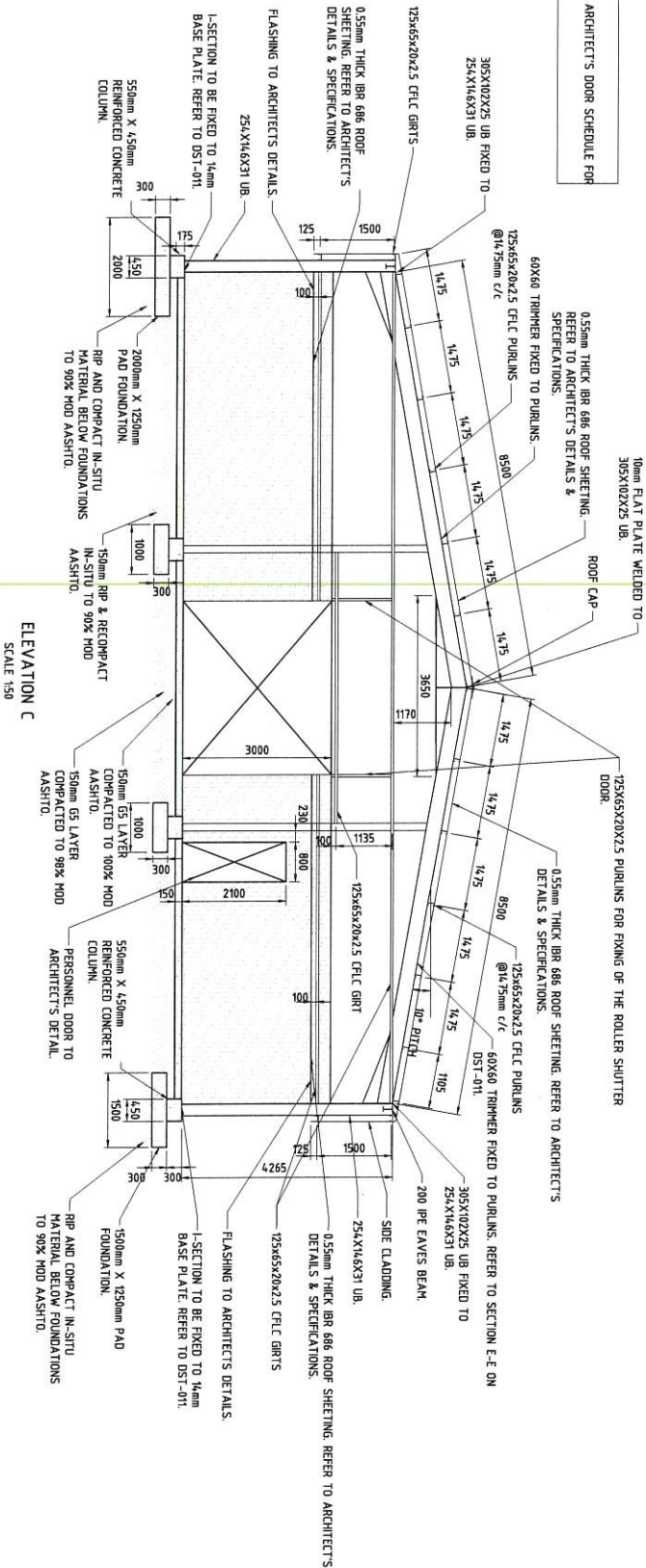


FOR TENDER

1. REFER TO DCM-001 TO 002 FOR GENERAL NOTES & SPECIFICATIONS.
2. REFER TO DRAWING DCM-003 FOR LAYOUT PLAN
3. REFER TO DRAWING DCM-004 FOR FOUNDATION LAYOUT.
4. REFER TO DRAWING DCM-005 FOR SURFACE BED LAYOUT / SECTIONS & DETAILS.
5. REFER TO DRAWING DCM-006-007 FOR SECTIONS.
6. REFER TO DRAWING DCM-008 FOR ELEVATIONS.
7. REFER TO DRAWING DCM-009 FOR STRUCTURAL STEEL CONNECTIONS.
8. REFER TO DRAWING DCM-010 FOR REMODELED CONCRETE ROOF LAYOUT.
9. REFER TO DSI-017 FOR STRUCTURAL STEEL CONNECTION DETAILS.
10. REFER TO DBB-012 TO 015 FOR FOUNDATION REINFORCEMENT.
11. REFER TO DBB-016 FOR STRIP FOUNDATION REINFORCEMENT.
12. REFER TO DBB-017 FOR ROOF SLAB REINFORCEMENT.
13. REFER TO DCM-001 ITEM 14 FOR CURING DETAILS.
14. REFER TO DCM-001 ITEM 7 FOR CONCRETE STRENGTH.
15. REFER TO DCM-002 ITEM 2 FOR STEEL STRENGTH.
16. STEEL WORK TO BE PAINTED, REFER TO DCM-002 ITEM 8 FOR PAINT SPECIFICATIONS.
17. FOUNDATIONS & STUD COLUMNS TO BE SET OUT CENTRALLY ON GRID LINES, UNLESS NOTED OTHERWISE.
18. BRICKWORK TO BE BUILT IN EVERY COURSE ABOVE OPENINGS FOR DO, MN, & CLOSURES.
19. BACKFILL TO BE BUILT IN EVERY COURSE ABOVE SURFACE BED LEVEL AND EVERY 3RD COURSE ABOVE THE SURFACE BED.
20. BUTTERFLY TIES TO BE IN EVERY AND COURSE.
21. BRICKWORK TO BE 140Pa MEX BRICKS IN CLASS MORTAR.
22. ALL REINFORCING IRONING IS TO BE INSPECTED BY THE ENGINEER PRIOR TO CASTING OF CONCRETE.
23. SITE DIMENSIONS TO BE CHECKED & SHOP DRAWINGS TO BE SUBMITTED TO ENGINEER FOR APPROVAL, BEFORE MANUFACTURING.



NOTE:  
REFER TO ARCHITECT'S DOOR SCHEDULE FOR DETAILS.



NOTES:

1. REFER TO DCN-001 TO 002 FOR GENERAL NOTES & SPECIFICATIONS.
2. REFER TO DRAWING DCN-003 FOR LAYOUT PLAN.
3. REFER TO DRAWING DCN-004 FOR FOUNDATION LAYOUT.
4. REFER TO DRAWING DCN-005 FOR SURFACE BED LAYOUT, SECTIONS & DETAILS.
5. REFER TO DRAWING DCN-006-007 FOR SECTIONS.
6. REFER TO DRAWING DCN-008 FOR ELEVATIONS.
7. REFER TO DRAWING DCN-009 FOR STRUCTURAL LAYOUT.
8. REFER TO DRAWING DCN-010 FOR REINFORCED CONCRETE ROOF LAYOUT.
9. REFER TO DCN-011 FOR STRUCTURAL STEEL CONNECTION DETAILS.
10. REFER TO DCN-012 TO 015 FOR FOUNDATION REINFORCEMENT.
11. REFER TO DBR-016 FOR STRIP FOUNDATION REINFORCEMENT.
12. REFER TO DBR-017 FOR ROOF SLAB REINFORCEMENT.
13. REFER TO DCN-001 ITEM 14 FOR CURING DETAILS.
14. REFER TO DCN-001 ITEM 7 FOR CONCRETE STRENGTH.
15. REFER TO DCN-002 ITEM 2 FOR STEEL STRENGTH.
16. STEELWORK TO BE PAINTED REFER TO DCN-002 ITEM 8 FOR PAINT SPECIFICATIONS.
17. FOUNDATIONS & STUB COLUMNS TO BE SET OUT BY THE SURVEYOR ON GRID LINES, UNLESS NOTED OTHERWISE.
18. BRICKWORK TO BE BUILT IN EVERY COURSE ABOVE OPENINGS FOR HW & CLOSURES.
19. BRICKWORK TO BE BUILT IN EVERY COURSE BELOW SURFACE BED LEVEL AND EVERY 3RD COURSE ABOVE THE SURFACE BED.
20. BUTTERFLY TIES TO BE IN EVERY 2ND COURSE.
21. BRICKWORK TO BE 14MPa NFX BRICKS IN CLASS 2 MORTAR.
22. ALL REINFORCING FIXING IS TO BE INSPECTED BY THE ENGINEER PRIOR TO CASTING OF CONCRETE. DIMENSIONS TO BE CHECKED & SHOP DRAWINGS TO BE SUBMITTED TO ENGINEER FOR APPROVAL BEFORE MANUFACTURING.

DATE 23/03/2023	APPROVAL / REVISION DESCRIPTION	DATE	APPROVAL	ENGINEER WILLIAM R.V. DUGITEREN PR ENG No.: 20750775 SIGNATURE:	TITLE DRAWING CHECK DESIGNER DESIGN CHECK PROJECT MANAGER PROJECT DIRECTOR	NAME PROJECTIVITY W.A.V. DUGITEREN W.A.V. DUGITEREN W.A.V. DUGITEREN ED. W.A.V.	SCALE SCALE 1:50 0.5 1 2	DESIGNER SMEC SPECIALISTS SHEPHERD SHEPHERD PROJECT No. PM752	CLIENT	SECTION 01	REVISION DRAWN BY DCN	CHECKED BY 018	REVISION A
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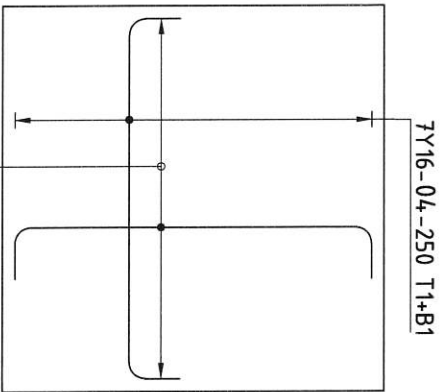
FOR TENDER

VHEMBE DISTRICT MUNICIPALITY  
TRACTOR SHED  
STRUCTURAL DRAWING  
ELEVATION C  
SHEET 1 OF 1









7Y16-04-250 T2+B2

## 1500X1500 PAD FOUNDATION

(5 NO. OFF)

SCALE 1:20

MEMBER	NO OF BARS	DIA	CUT LENGTH	TOTAL BAR MARK	SC	A	B	C	D	E/R	kg
1500x1500	5	28	Y16 1750	140	04	38	200	1400	200		387
PAD	5	6	Y16 600	30	05	37	230	410			28
FOUNDATION	5	3	Y16 1100	15	06	38	410	350	410		26

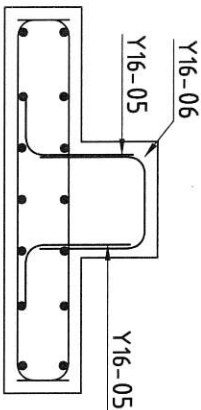
8	10	12	16	20	25	32	40	TOT	Date	04.12.2023
R									Det by	K.MOODLEY
Y			441					441	Ref Dwg	PM752-1-DRB-013
TOT			441					441	Job No	PM752

**SMEC** **SRBS** **ISO 9001**

TRACTOR SHED FOUNDATION

Revision A

Schedule No SRB-A-002



## SECTION 6-6

SCALE 1:20

05	05	05	05
05	05	05	05
05	05	05	05

- NOTE:
- COVER TO REINFORCING: FOUNDATION = 50mm  
STUB COLUMN = 50mm
  - CONCRETE STRENGTH = 30MPa
  - REFER TO BENDING SCHEDULE SRB-A-002.
  - REFER TO DCN 004 FOR SETTING OUT DETAILS.

## 550X450 STUB COLUMN REINFORCEMENT

SCALE 1:20



APPROVED / REVIEWED

DATE

APPROVAL

ENGINEER : WILLIAM R.V. DUTTEREN

PR ENG No : 205075

SIGNATURE :

TITLE

DATE

SCALE 1:20

SCALE 1:20

DESIGNED

SMC PROJECT No. PM752

FOR TENDER

VHEMBE DISTRICT MUNICIPALITY

TRACTOR SHED

STRUCTURAL DRAWING

FOUNDATION REINFORCEMENT

SHEET 2 OF 4

DATE

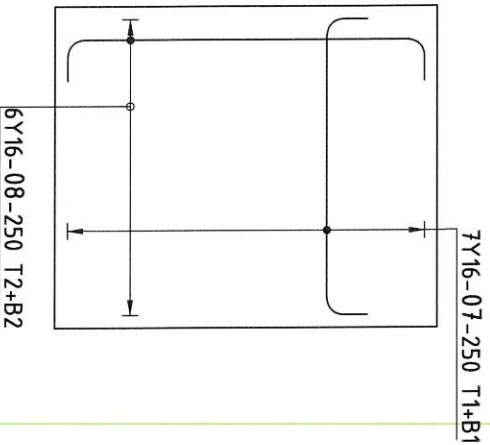
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DRB

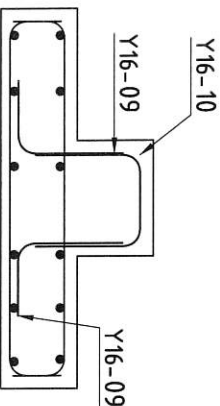
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A





1500X1250 PAD FOUNDATION  
(8 NO. OFF)  
SCALE 1:20



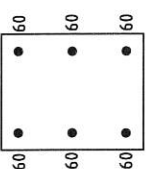
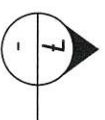
SECTION 7-7  
SCALE 1:20

- NOTE:
1. COVER TO REINFORCING:  
FOUNDATION = 50mm  
STUB COLUMN = 50mm
  2. CONCRETE STRENGTH = 30MPa
  3. REFER TO BENDING SCHEDULE SRB-A-003.
  4. REFER TO DCN 004 FOR SETTING OUT DETAILS.

MEMBER	NO OF BARS	NO	DIA	CUT LENGTH	TOTAL MARK	BAR SC	A	B	C	D	E/R	kg
1500X1250 PAD FOUNDATION	8	14	Y16	1400	112	07	38	160	1150	160		24.7
	8	12	Y16	1650	96	08	38	160	1400	160		250
	8	6	Y16	650	48	09	37	280	4,10			4.9
	8	3	Y16	1100	24	10	38	4,10	350	4,10		4.2

	8	10	12	16	20	25	32	40	TOT
R									
Y				558					558
TOT				558					558

<b>SMEC</b> Member of the Sarnes Group	<b>SRBS</b> 150 9001	TRACTOR SHED FOUNDATION
Revision		A
Schedule No		SRB-A-003

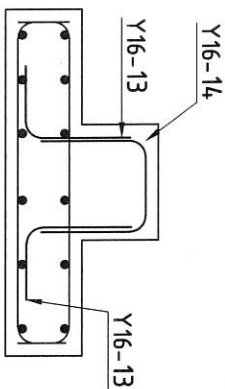
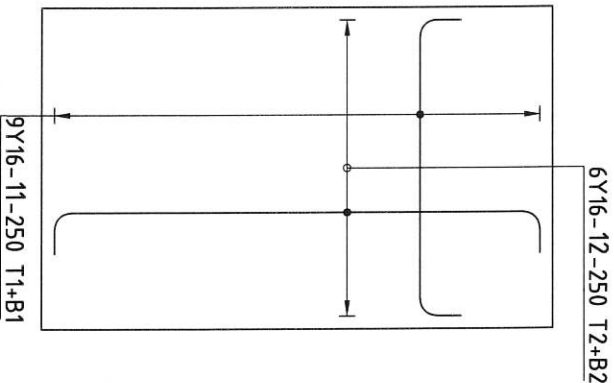


550X450 STUB COLUMN  
REINFORCEMENT  
SCALE 1:20



DATE 2/2023	APPROVED / REVIEWED SIGNATURE FOR TENDER	DATE -	APPROVAL -	ENGINEER WILLIAM R.V. DUGITEREN 20150175	PR ENG No. : SIGNATURE :	TITLE DRAWING CHECK K.R.V. DUGITEREN	SCALE SCALE 1:20	DESIGNER SMEC Member of the Sarnes Group	DATE -	DESCRIPTION VHEMBE DISTRICT MUNICIPALITY TRACTOR SHED STRUCTURAL DRAWING FOUNDATION REINFORCEMENT SHEET 3 OF 4	DATE 01	EXAMINE TYPE DRB	DATE 014	REVISION A
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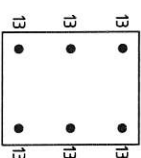
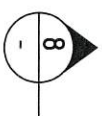


SECTION 8-8  
SCALE 1:20

- NOTE:
1. COVER TO REINFORCING:  
FOUNDATION = 50mm  
STUB COLUMN = 50mm
  2. CONCRETE STRENGTH = 30MPa
  3. REFER TO BENDING SCHEDULE  
SRB-A-004.
  4. REFER TO DCN 004 FOR SETTING OUT  
DETAILS.

## 2000X1250 PAD FOUNDATION (8 NO. OFF)

MEMBER	NO OF BARS	DIA	CUT LENGTH	TOTAL MARK	BAR SC	A	B	C	D	E/R	kg
2000X1250 PAD FOUNDATION	8	Y16	14.00	14.4	11	38	160	1150	160		318
	8	Y16	2150	96	12	38	160	1900	160		326
	8	Y16	650	4.8	13	37	280	4.10			4.9
	8	Y16	1100	24	14	38	4.10	350	4.10		4.2



## 550X450 STUB COLUMN REINFORCEMENT SCALE 1:20

8	10	12	16	20	25	32	40	TOT	Date	04.12.2023
R								735	Det by	K.MOODLEY
Y								735	Ref Dwg	PM752-1-DRB-015
TOT								735	Job No	PM752

Revision	A
Schedule No	SRB-A-004



TRACTOR SHED  
FOUNDATION

Revision  
A

Schedule No  
SRB-A-004



TRACTOR SHED  
FOUNDATION

Revision  
A

Schedule No  
SRB-A-004



TRACTOR SHED  
FOUNDATION

Revision  
A

Schedule No  
SRB-A-004



TRACTOR SHED  
FOUNDATION

Revision  
A

Schedule No  
SRB-A-004



TRACTOR SHED  
FOUNDATION

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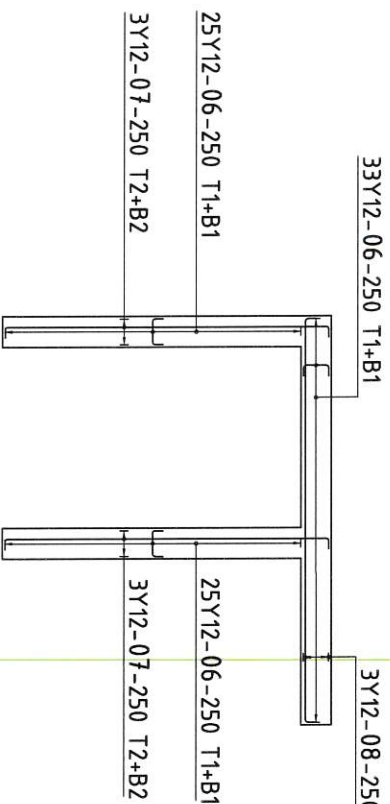
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- NOTE:
1. COVER TO REINFORCING:  
STRIP FOUNDATION = 50mm
  2. CONCRETE STRENGTH = 30MPa
  3. REFER TO BENDING SCHEDULE  
SRB-A-005.
  4. REFER TO DCN 004 FOR SETTING  
OUT DETAILS.

# STRIP FOUNDATION REINFORCEMENT LAYOUT (NO. OFF 2-MIRRORED) SCALE 1:100

MEMBER	NO OF BARS	NO OF BARS	DIA	CUT LENGTH	TOTAL	BAR MARK	SC	A	B	C	D	E/R	kg
STRIP FOUNDATION	2	166	Y12	750	332	15	38	160	500	160			221
	2	12	Y12	6600	24	16	38	160	6340	160			141
	2	6	Y12	8100	12	17	38	160	7850	160			86
	8	10	12	16	20	25	32	40	TOT	Date 04.12.2023			
R										Det by K.MOODLEY			
Y			481					481		Ref Dwg PM752-1-DRB-016			
TOT			481					481		Job No PM752			
TRACTOR SHED FOUNDATION										Revision		A	
										Schedule No			

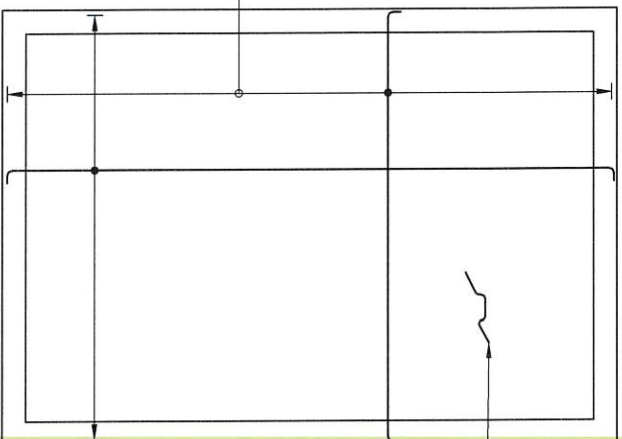


Member of the Sutherland Jurek Group





STOOLS-14- @ 800 m<sup>2</sup> c/c



18Y12-13-250 T2+B2

Y12-12-250 T1+B1



- NOTE:
1. COVER TO REINFORCING:
  2. CONCRETE STRENGTH = 30MPa
  3. REFER TO BENDING SCHEDULE SRB-A-006.
  4. REFER TO DCN 004 FOR SETTING OUT DETAILS.





150mm THICK ROOF SLAB (2 NO. OFF)

SCALE 1:50

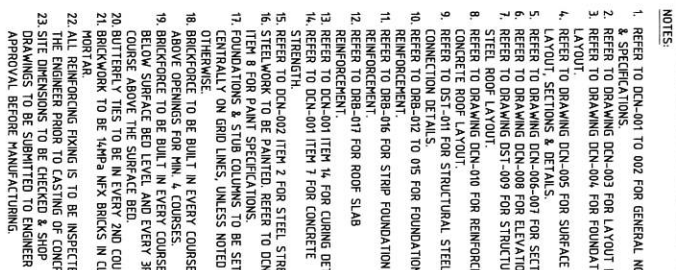
MEMBER	NO OF BARS	NO	DIA	CUT LENGTH	TOTAL	BAR MARK	SC	A	B	C	D	E/R	kg
ROOF SLAB	2	50	Y12	4.350	100	18	38	120	4.160	120			386
	2	36	Y12	6.150	72	19	38	120	5.950	120			393
	2	26	Y12	8.00	52	20	83	250	80	250	250		37

8	10	12	16	20	25	32	40	TOT	Date	04.12.2023
R									Det by	K.MOODLEY
Y			816					816	Ref Dwg	PM752-1-DRB-017
TOT			816					816	Job No	PM752

 									
TRACTOR SHED ROOF SLAB									
Revision A									
Schedule No SRB-A-006									

TITLE TRACTOR SHED ROOF SLAB	SCALE 1:50	DRAWN BY K.MOODLEY	CHECKED BY K.MOODLEY	DESIGNED BY K.MOODLEY	PROJECT MANAGER K.MOODLEY	PROJECT DIRECTOR K.MOODLEY
ENGINEER : WILLIAM R.V. DUGTEREN 2050175	PR ENG No : 2050175	SIGNATURE : [Signature]	SCALE 1:50 	SCALE 1:50 	SCALE 1:50 	SCALE 1:50 
REVISION A	VHEMBE DISTRICT MUNICIPALITY TRACTOR SHED STRUCTURAL DRAWING ROOF SLAB REINFORCEMENT SHEET 1 OF 1	DRAWN BY K.MOODLEY	CHECKED BY K.MOODLEY	DESIGNED BY K.MOODLEY	PROJECT MANAGER K.MOODLEY	PROJECT DIRECTOR K.MOODLEY









Tractor Shed

# Electrical lighting samples

Our Reference No. PM752

Prepared for Vhembe District Municipality

20 November 2023



### Lighting and Socket Outlet Samples

Item	Description	Picture
Tractor Area	49W 5FT Vapourline LED with 10kA surge protection, Vandal-Resistant, IP 65	
External Area	55W LED FLOOD MIDI OPTIC with HIGH Impact glass of 1K 09, Vandal-Resistant, IP 66 High pressure die-cast aluminium	
	Day/Night Switch	
Store Room	49W 5FT Vapourline LED with 10kA surge protection, Vandal-Resistant, IP 65	
Locker Room	49W 5FT Vapourline LED with 10kA surge protection, Vandal-Resistant, IP 65	
Toilets	21W Panel LED with 960 lumen brightness, IP20, Water resistant	
Socket Outlets	16A Normal socket outlet, IP 44	
	16A Normal socket outlet, IP 44	

Refer to SANS 10142-1 The Wiring of Premises and SANS 10400 The Application of the National Building Regulations.



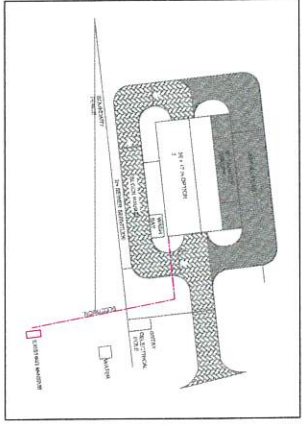


FOR CONSTRUCTION ONLY

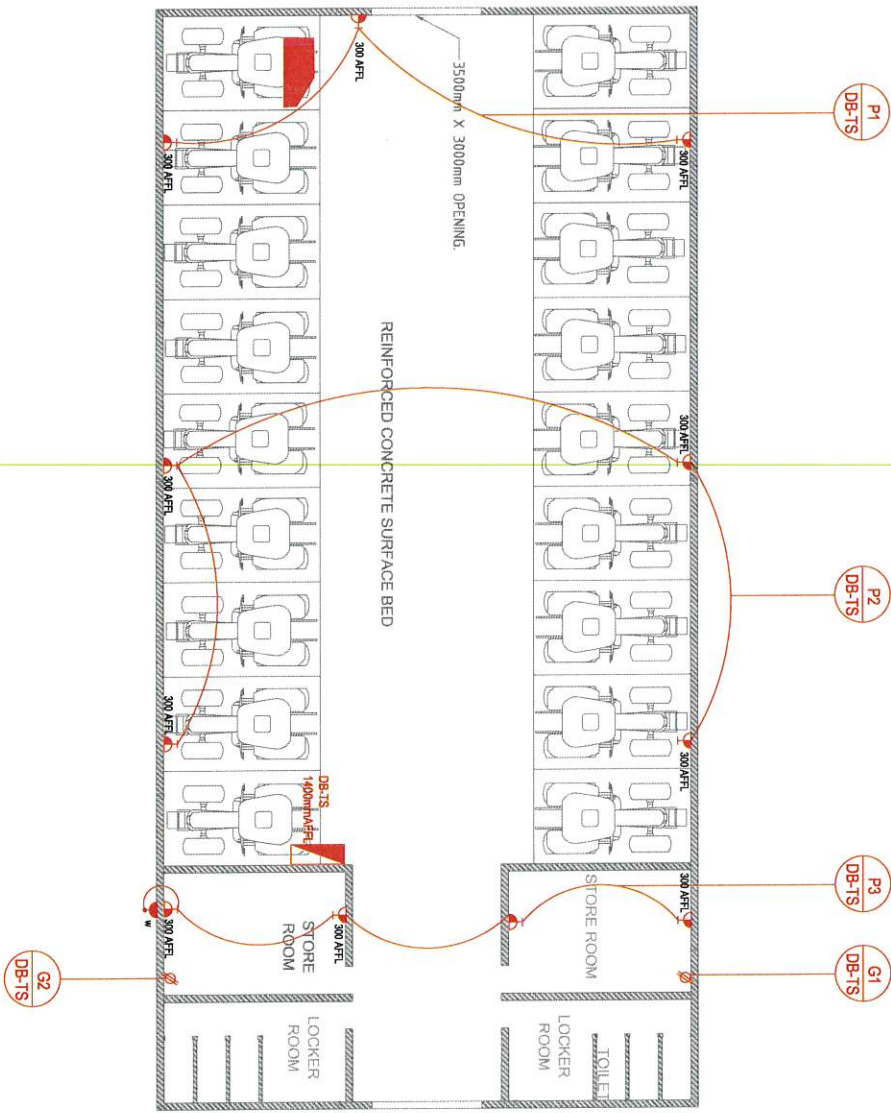








ELECTRICAL MAIN SUPPLY ROUTE



Refer to the notes prior to  
installation of electrical installations

SMALL POWER LEGEND	
	ELECTRICAL DISTRIBUTION BOARD
	DOUBLE SWITCHED SOCKET OUTLET AT 300mm AFTL
	WEATHERPROOF SWITCHED SOCKET OUTLET AT 800mm AFTL
	WEATHERPROOF SOCKET OUTLET ON ROOF

- NOTES
1. All socket outlets and distribution board to be surface mounted.
  2. Draw boxes for distribution board and socket outlets to be galvanneal.
  3. Weatherproof socket to be mounted at 500mm AFTL on the 1m exterior wall.
  4. Weather proof isolators for geyser to be mounted on the roof.



**CONSULTANT**  
**SMEC**  
Member of the Saurba Group  
7 Phokeng St  
Pretoria 0001  
T: 011 808 1000  
F: 011 808 1000  
www.smecc.co.za

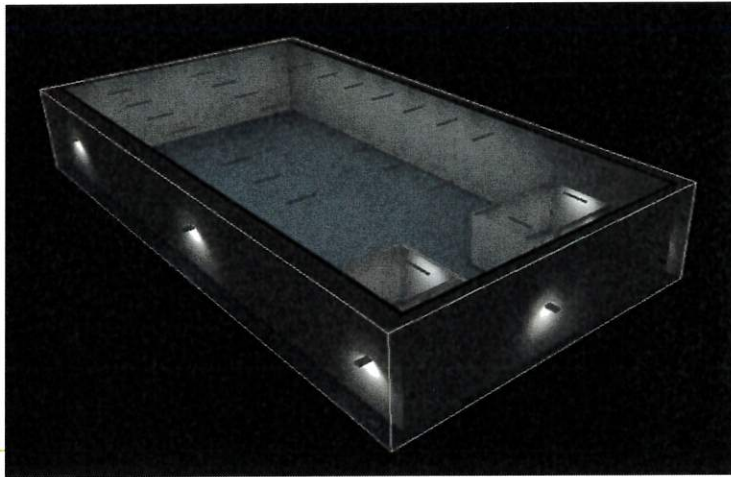
**CLIENT**  
Vhembe District Municipality  
P.O. Box 1000  
Tlokoeng 0455  
T: 018 950 2000  
F: 018 950 2000  
www.vhembe.gov.za

FOR CONSTRUCTION ONLY

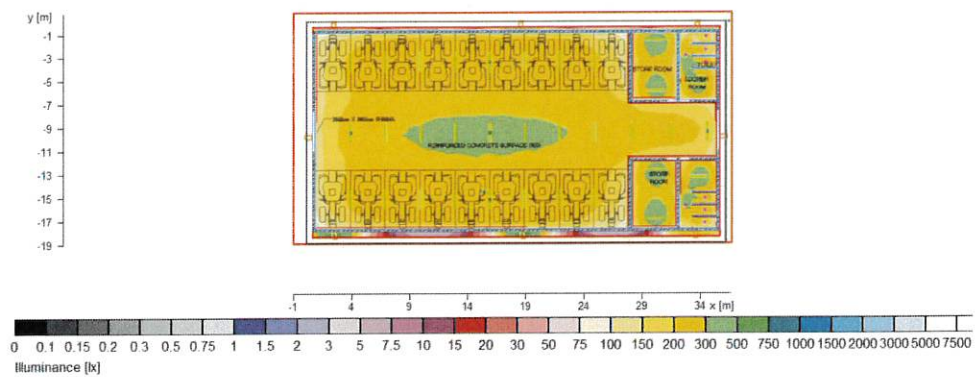
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PM752-EE-C-SP-0002			
PROJECT			
VHEMBE DISTRICT MUNICIPALITY TRACTOR SHED			
DRAWING DESCRIPTION			
SMALL POWER LAYOUT			
REV	DATE	SCALE	SIZE
0	2023/11/23	1:50	A1
DRAWING NUMBER			
PM752-EE-C-SP-0002			



### 3D Lighting View



### Lux Levels



### Lighting Simulation

