








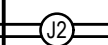
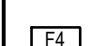








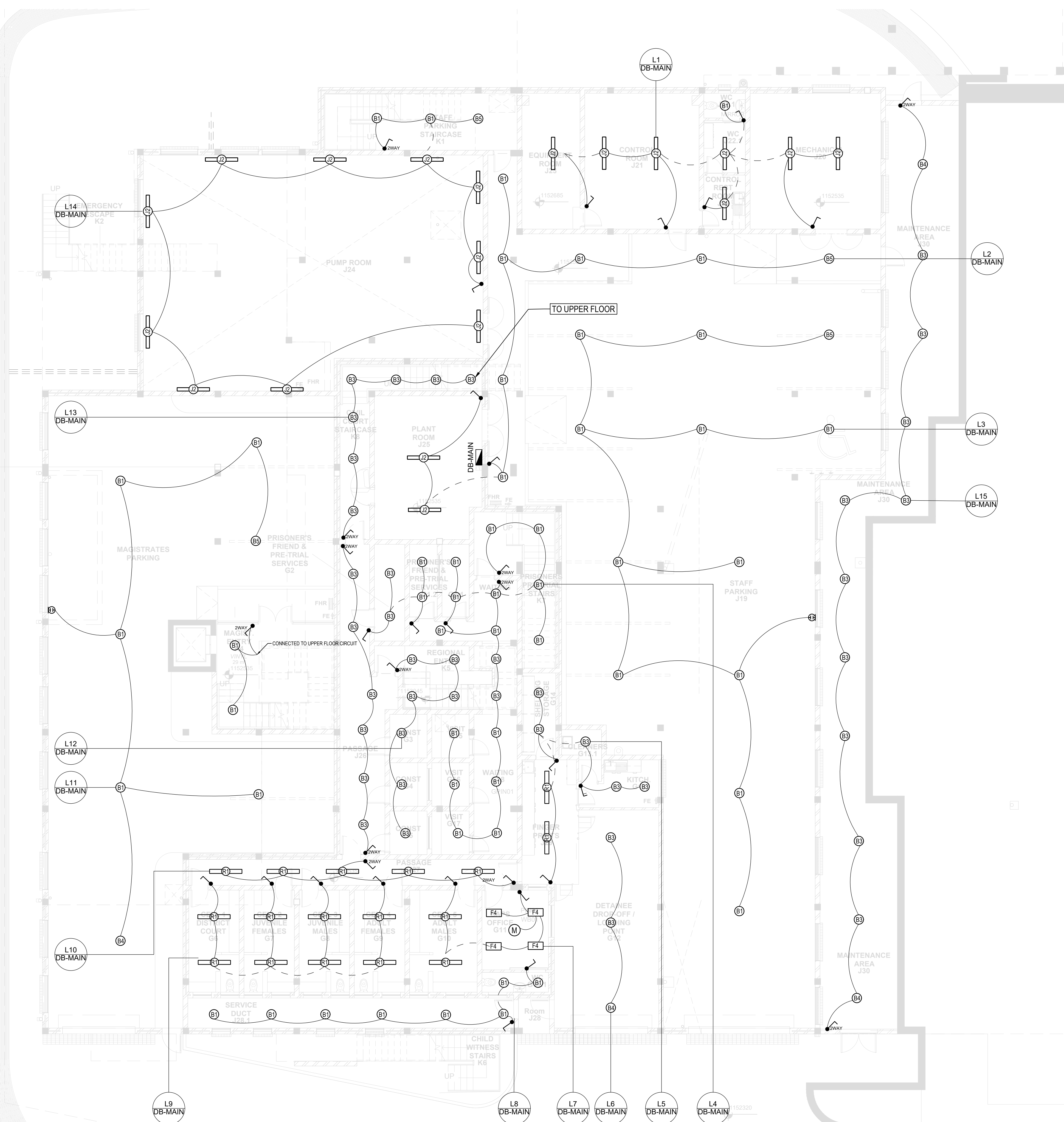


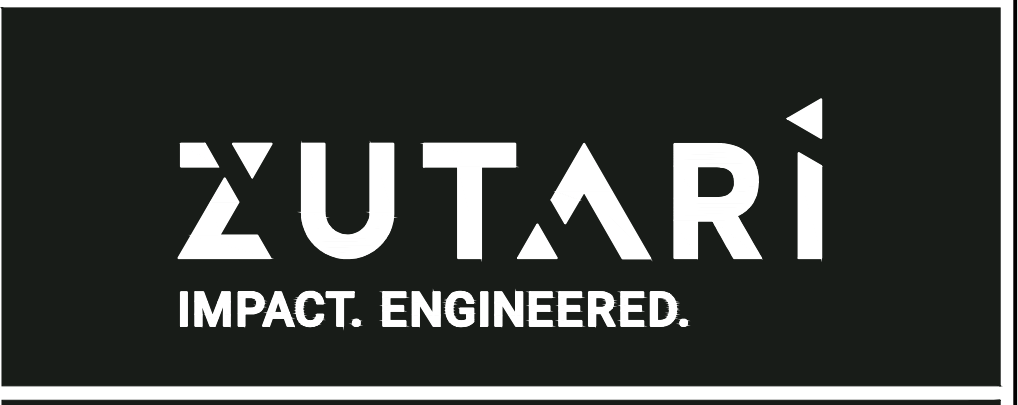
Legend

-  DISTRIBUTION BOARD
-  2 X 36W SURFACE MOUNTED VANDAL-PROOF FLUORESCENT LIGHT FITTING
-  12W RECESSED LED DOWNLIGHTER
-  20W LED ROUND CEILING MOUNTED BULKHEAD LIGHT FITTING
-  20W LED ROUND CEILING MOUNTED BULKHEAD LIGHT FITTING (VANDAL PROOF)
-  20W LED ROUND CEILING MOUNTED BULKHEAD LIGHT FITTING WITH BATTERY BACKUP (VANDAL PROOF)
-  20W LED ROUND CEILING MOUNTED BULKHEAD LIGHT FITTING WITH BATTERY BACKUP.
-  20W LED WALL MOUNTED BULKHEAD LIGHT FITTING
-  2 X 58W SURFACE MOUNTED CORROSION-RESISTANT FLUORESCENT LIGHT FITTING
-  4 X 36W RECESSED FLUORESCENT LIGHT FITTING
-  2 X 58W FLUORESCENT CHANNEL LIGHT FITTING
-  55W POST MOUNTED LED LIGHT FITTING
-  MOTION SENSOR
-  85 W SUSPENDED LED DISK LIGHT FITTING
-  16A SINGLE LEVER INTERMEDIATE SWITCH
-  16A SINGLE LEVER TWO WAY SWITCH
-  16A SINGLE LEVER THREE WAY SWITCH
-  16A WALL MOUNTED PHOTOCCELL
-  CEILING MOUNTED OCCUPANCY SENSOR

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 Plot Date: 12/02/2021 11:52:24 AM



DISCLAIMER
 IF CONSTRUCTION DRAWINGS ARE ISSUED UNSIGNED, THE MASTER WITH THE ORIGINAL SIGNATURE OF APPROVAL WILL BE HELD AT THE ZUTARI OFFICE OF THE APPROVER



REV	DATE	REVISION DETAILS	APPROVED
TO	10/02/21	ISSUED FOR TENDER	CJ JOHNSON

SCALE	1:100	SIZE	A1	TENDER NOT FOR CONSTRUCTION
DRAWN	J GREYVENSTEIN	DESIGNED	L SOLUNDWANA	
REVIEWED	CJ JOHNSON	APPROVED	CJ JOHNSON	DATE

PROJECT
 NEW MAGISTRATE COURT
 JAN KEMPDORP

TITLE
 LOWER LEVEL
 LIGHTING LAYOUT








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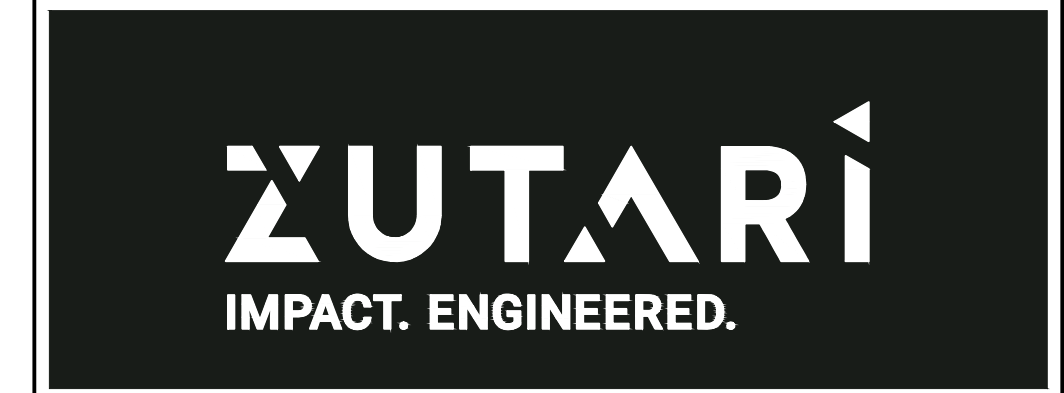
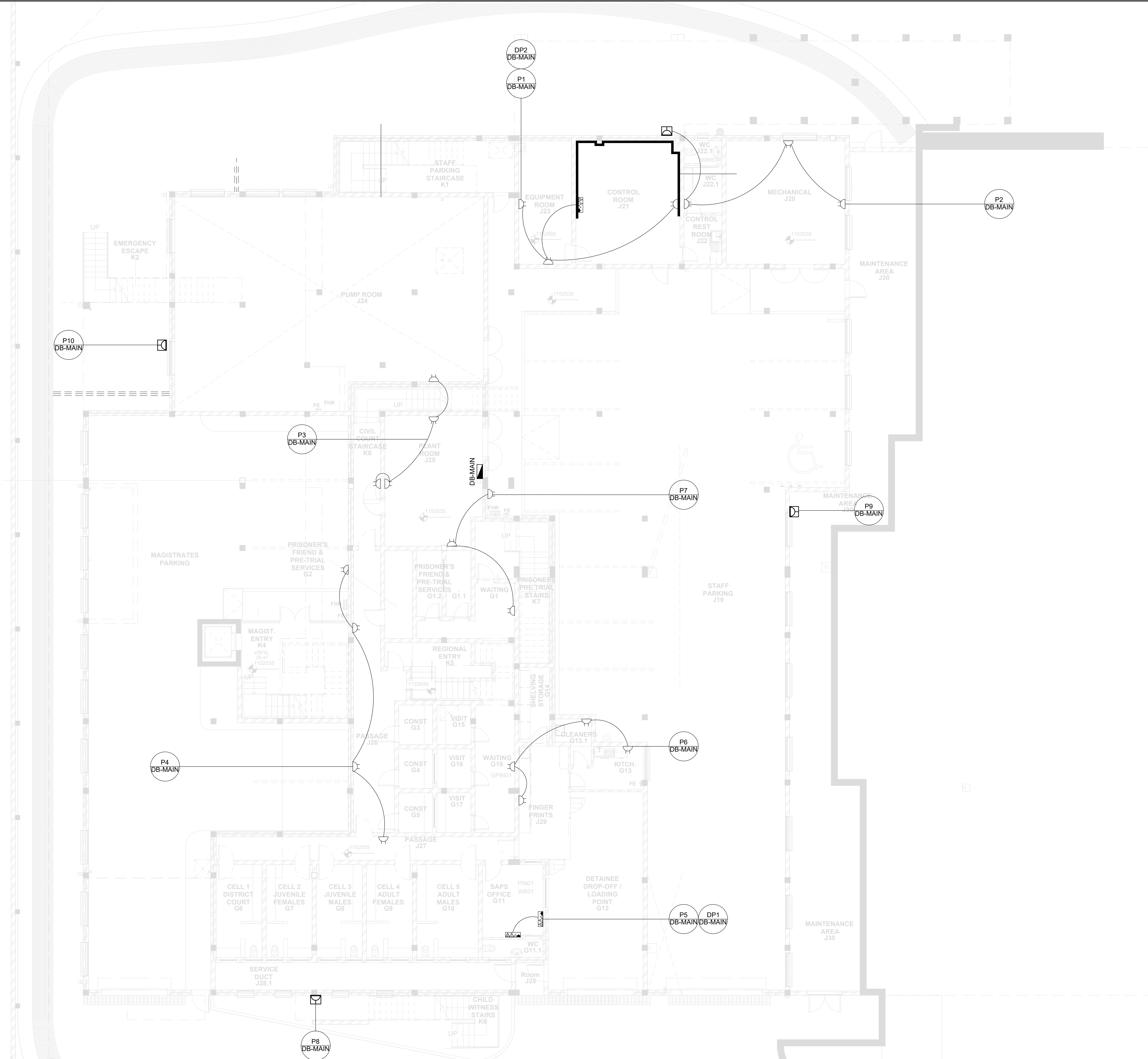


DISCLAIMER

IF CONSTRUCTION DRAWINGS ARE ISSUED UNSIGNED, THE MASTER WITH THE ORIGINAL SIGNATURE OF APPROVAL WILL BE HELD AT THE ZUTARI OFFICE OF THE APPROVER

Legend

-  DISTRIBUTION BOARD
-  NORMAL SSO
-  DEDICATED SSO
-  NORMAL DUAL SSO
-  POWER SKIRTING
-  MULTI UNIT:
2 x NORMAL SINGLE SSO
1 x DEDICATED SINGLE SSO
1 x DATA POINT
1 x TELEPHONE POINT
-  EXTERNAL WATER PROOF POWER
OUTLET IP65 BOX FOR MAINTENANCE.



CLIENT



REV	DATE	REVISION DETAILS	APPROVED
T0	10/02/21	ISSUED FOR TENDER	

SCALE 1 : 100	SIZE A1	TENDER NOT FOR CONSTRUCTION
DRAWN J GREYVENSTEIN	APPROVED DATE	
DESIGNED L SOLUNDWANA		
REVIEWED W KRUGER	CJ JOHNSON	Pr.Eng.Tech. 200570064

PROJECT

NEW MAGISTRATES COURT
JAN KEMP DORP

TITLE

LOWER LEVEL
SMALL POWER LAYOUT

DRAWING NUMBER

PROJECT No.	WBS	TYPE	DISC	NUMBER	REV
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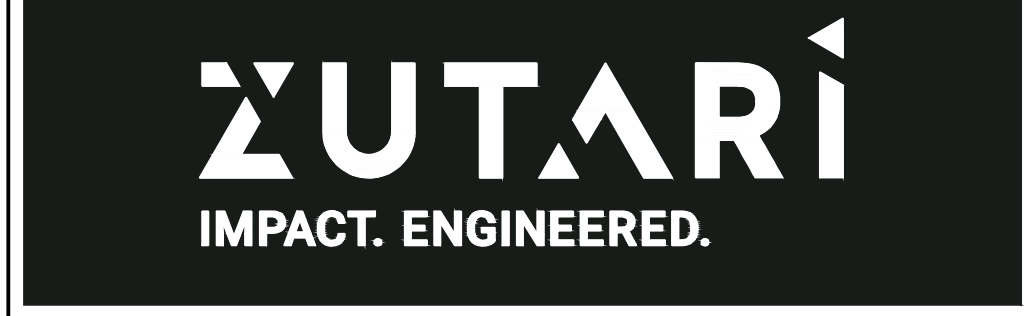
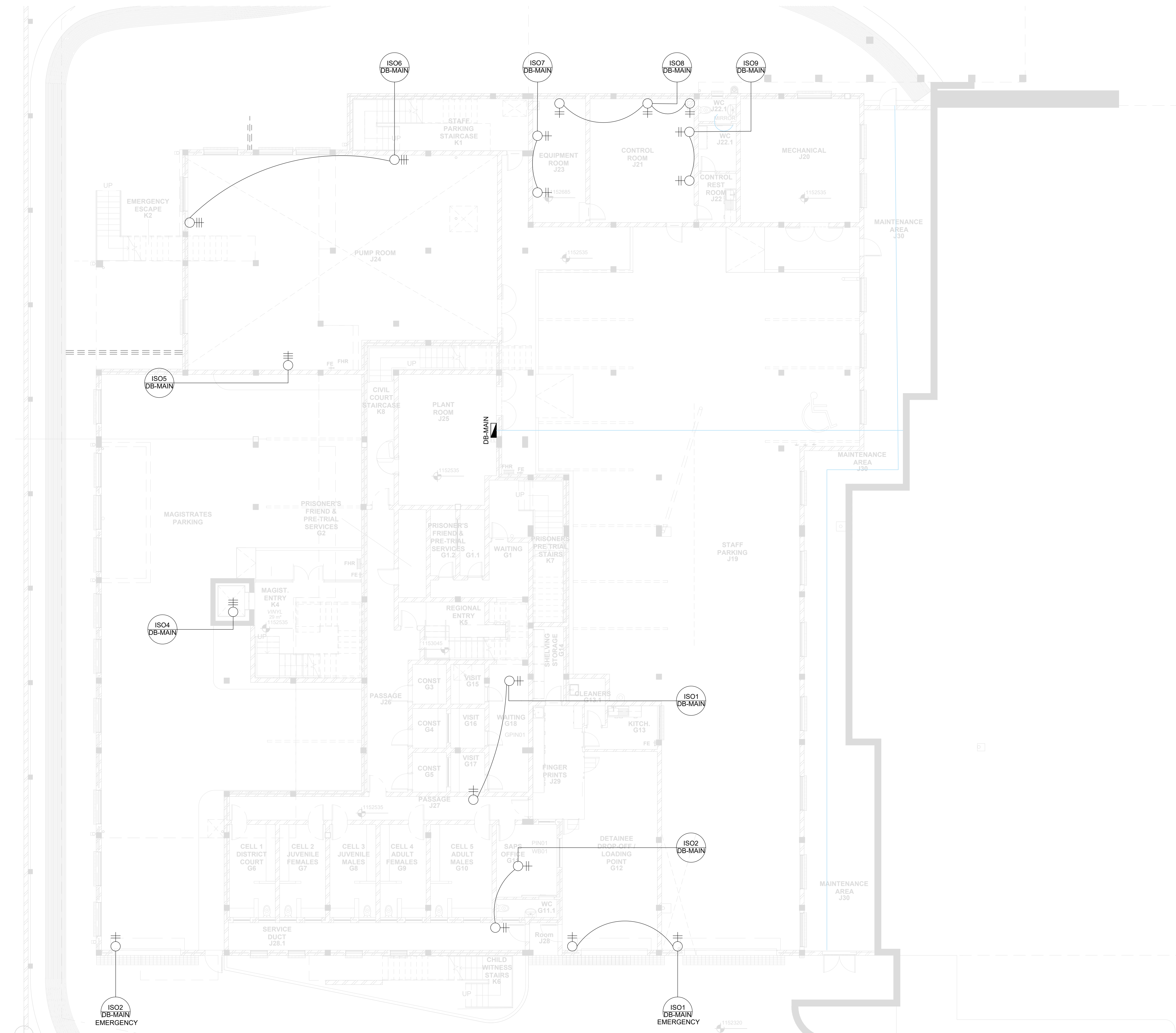


DISCLAIMER

IF CONSTRUCTION DRAWINGS ARE ISSUED UNSIGNED, THE MASTER WITH THE ORIGINAL SIGNATURE OF APPROVAL WILL BE HELD AT THE ZUTARI OFFICE OF THE APPROVER

Legend

-  DISTRIBUTION BOARD
-  DOUBLE POLE ISOLATOR
-  TRIPPLE POLE ISOLATOR



CLIENT



REV	DATE	REVISION DETAILS	APPROVED
T0	10/02/21	ISSUED FOR TENDER	CJ JOHNSON

SCALE	SIZE	TENDER
1:100	A1	NOT FOR CONSTRUCTION

DRAWN	DESIGNED	REVIEWED	APPROVED
J GREYVENSTEIN	L SOLUNDWANA	CJ JOHNSON	CJ JOHNSON
			DATE

PROJECT

NEW MAGISTRATES COURT
 JAN KEMPDRP

TITLE

LOWER LEVEL
 ISOLATOR LAYOUT

DRAWING NUMBER

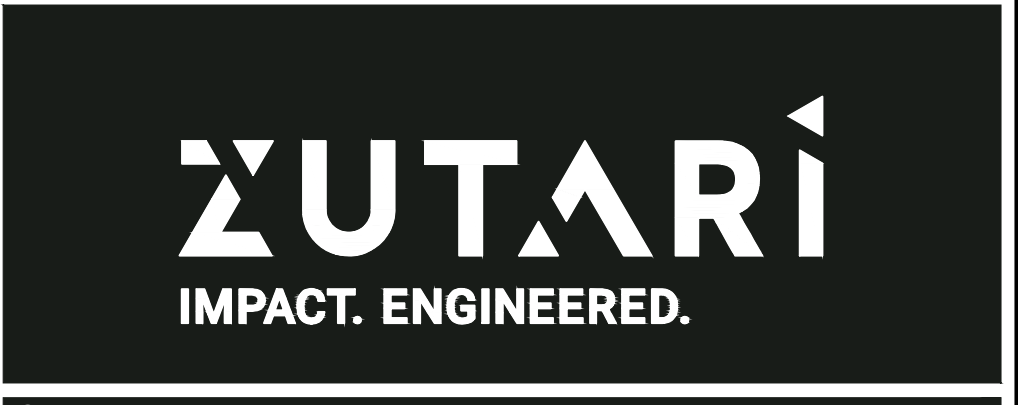
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DISCLAIMER
 IF CONSTRUCTION DRAWINGS ARE ISSUED UNSIGNED, THE MASTER WITH THE ORIGINAL SIGNATURE OF APPROVAL WILL BE HELD AT THE ZUTARI OFFICE OF THE APPROVER

- Legend**
- DISTRIBUTION BOARD
 - WELDED WIRE MESH CABLE TRAY
 - ELECTRICAL WIRING DUCT
 - SECURITY AND FIRE PROTECTION WIRING DUCT
 - SECURITY AND FIRE PROTECTION WIRING DUCT (VANDAL PROOF)



REV	DATE	REVISION DETAILS	APPROVED
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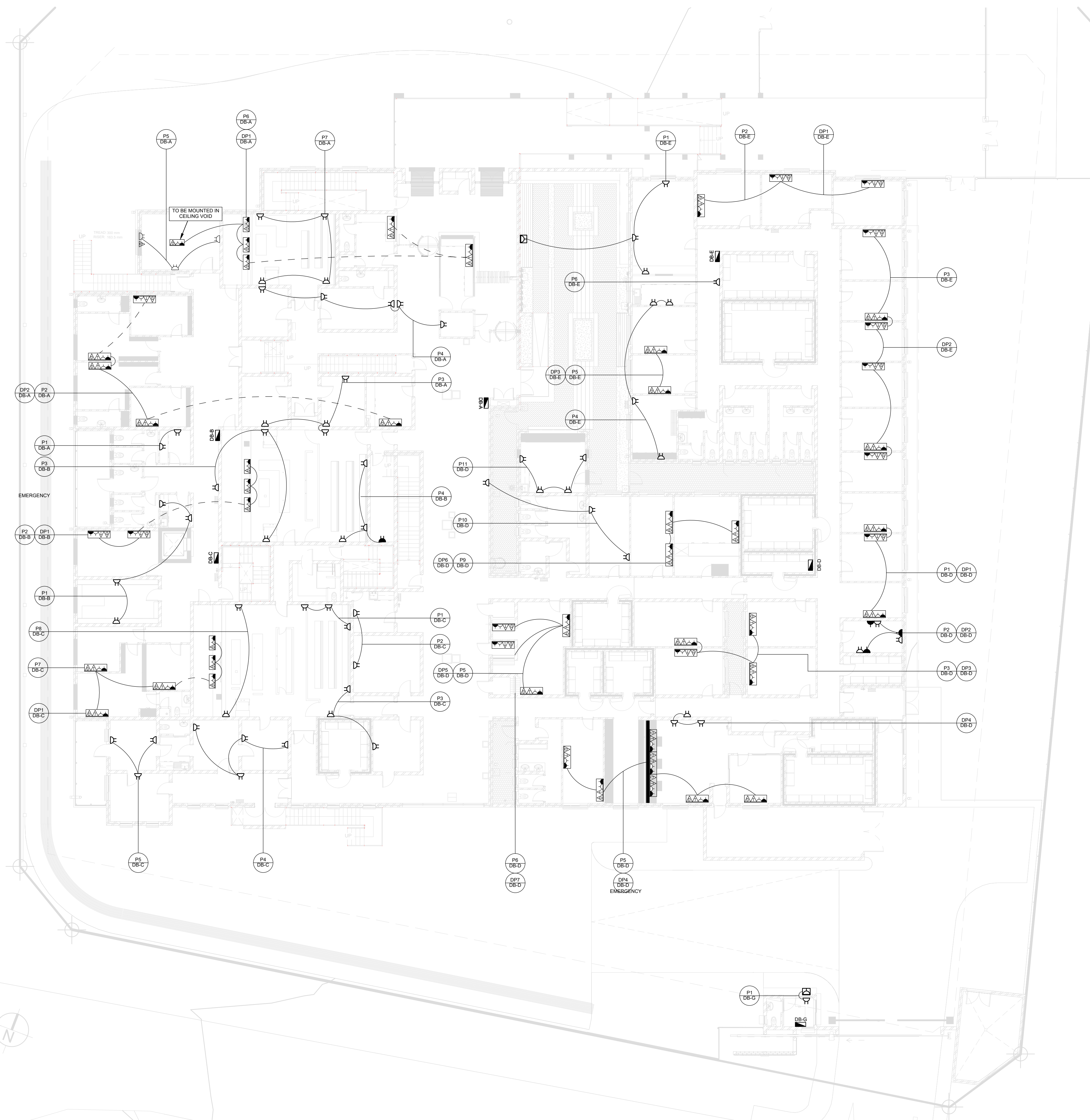
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DESIGNED	L SOLUNDWANA	DATE		
REVIEWED	CJ JOHNSON	Pr.Eng. Tech.	200570064	

PROJECT
 NEW MAGISTRATES COURT
 JAN KEMPDORP

TITLE
 LOWER LEVEL
 WIREWAYS LAYOUT

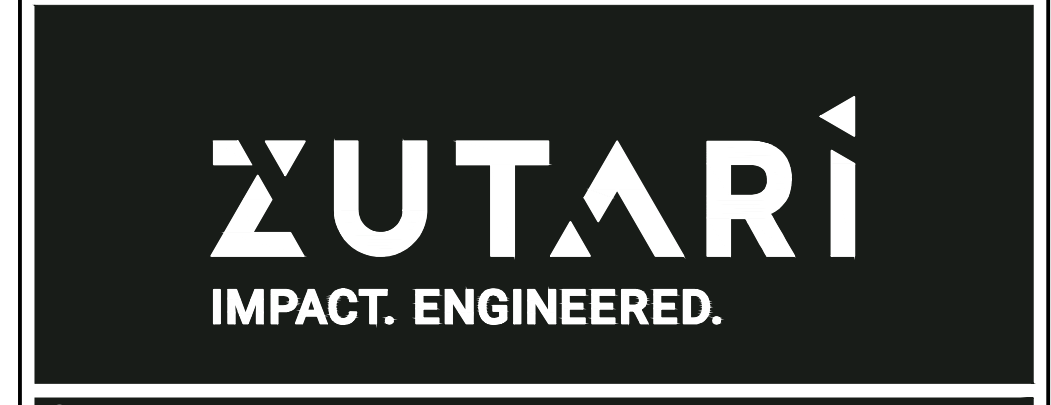
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 Plot Date: 12/02/21 11:58:39 AM
 Office: ZABR



DISCLAIMER
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- Legend**
- DISTRIBUTION BOARD
 - NORMAL SSO
 - DEDICATED SSO
 - NORMAL DUAL SSO
 - EXTERNAL WATER PROOF POWER OUTLET IP65 BOX FOR MAINTENANCE.
 - MULTI UNIT:
 2 x NORMAL SINGLE SSO
 1 x DEDICATED SINGLE SSO
 1 x DATA POINT
 1 x TELEPHONE POINT



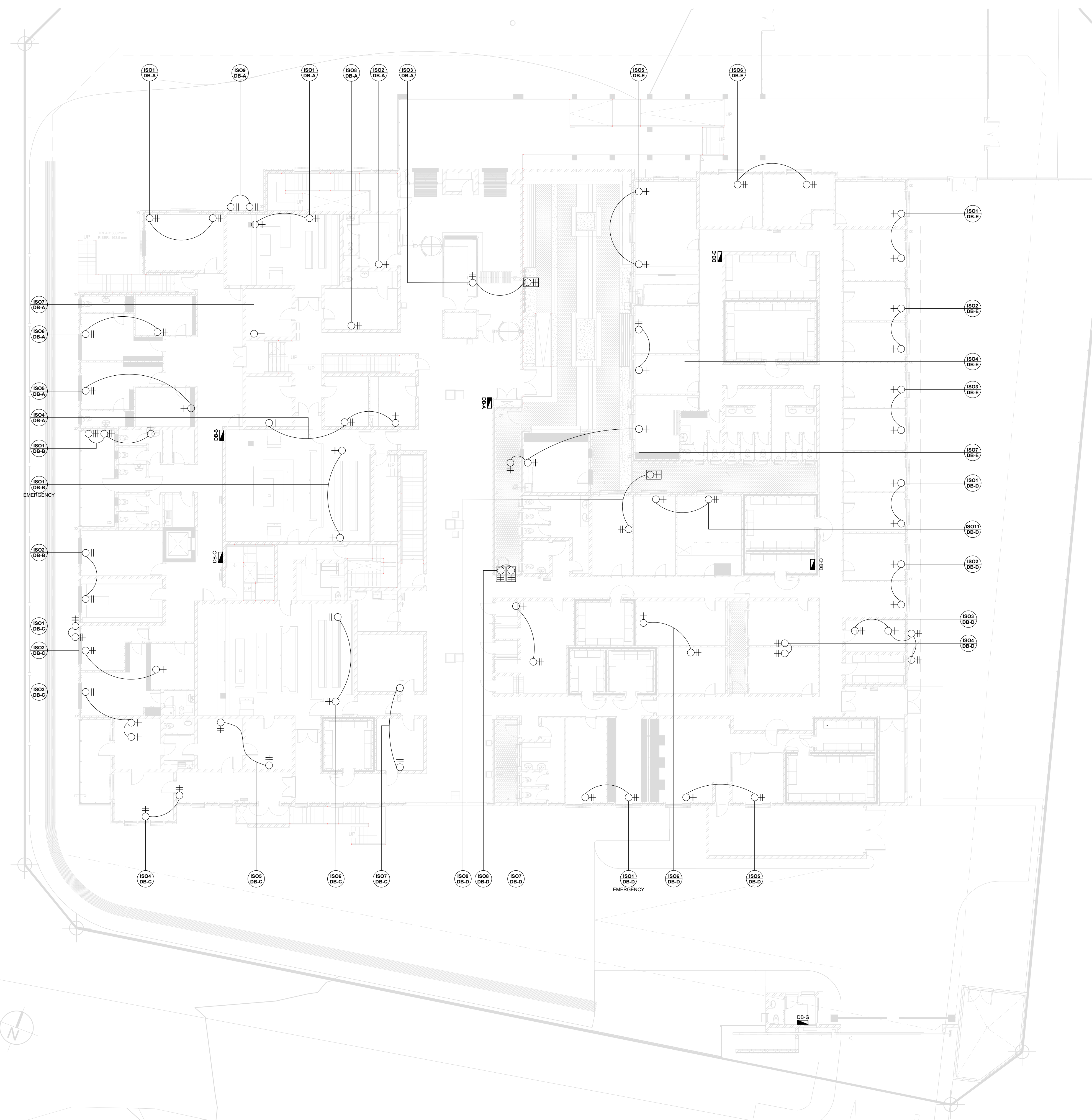
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TO	10/02/21	ISSUED FOR TENDER	CJ JOHNSON

SCALE	1:150	SIZE	A1	TENDER NOT FOR CONSTRUCTION
DRAWN	J GREYVENSTEIN	DESIGNED	H BADENHORST	
REVIEWED	CJ JOHNSON	APPROVED	CJ JOHNSON	DATE
PROJECT	NEW MAGISTRATES COURT JAN KEMPDORP			
TITLE	GROUND LEVEL SMALL POWER LAYOUT			





DRAWING NUMBER					
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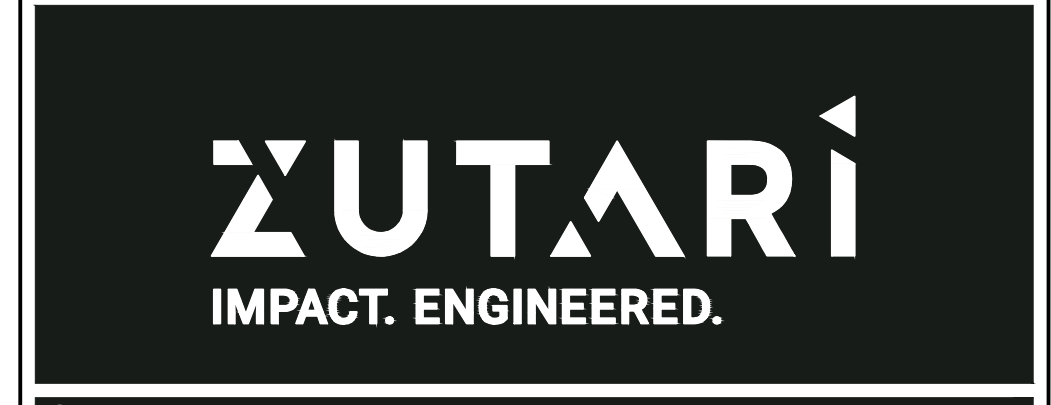
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 Plot Date: 12/02/21 11:36:37 AM
 Office: ZARIN



DISCLAIMER
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- Legend**
-  DISTRIBUTION BOARD
 -  DOUBLE POLE ISOLATOR
 -  TRIPPLE POLE ISOLATOR
 -  EXTERNAL WATERPROOF ISOLATOR - IP65



REV	DATE	REVISION DETAILS	APPROVED
TO	10/02/21	ISSUED FOR TENDER	CJ JOHNSON

SCALE	1:150	SIZE	A1	TENDER NOT FOR CONSTRUCTION	
DRAWN	J GREYVENSTEIN	APPROVED			DATE
DESIGNED	H BADENHORST	REVIEWED	CJ JOHNSON	CJ JOHNSON	Pr.Eng.Tech. 2005/0064






PROJECT
 NEW MAGISTRATES COURT
 JAN KEMPDORP

TITLE
 GROUND LEVEL
 ISOLATOR LAYOUT

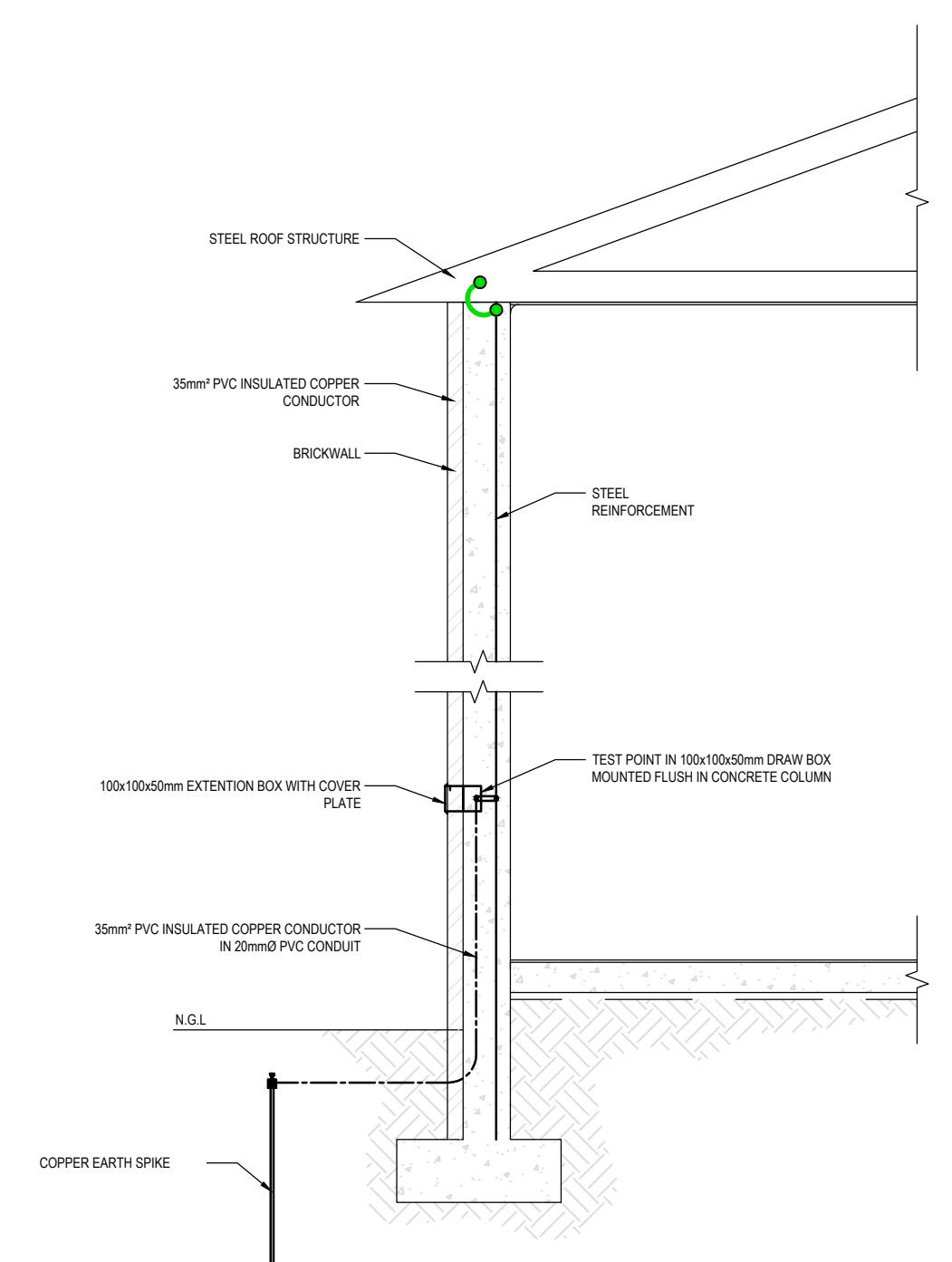
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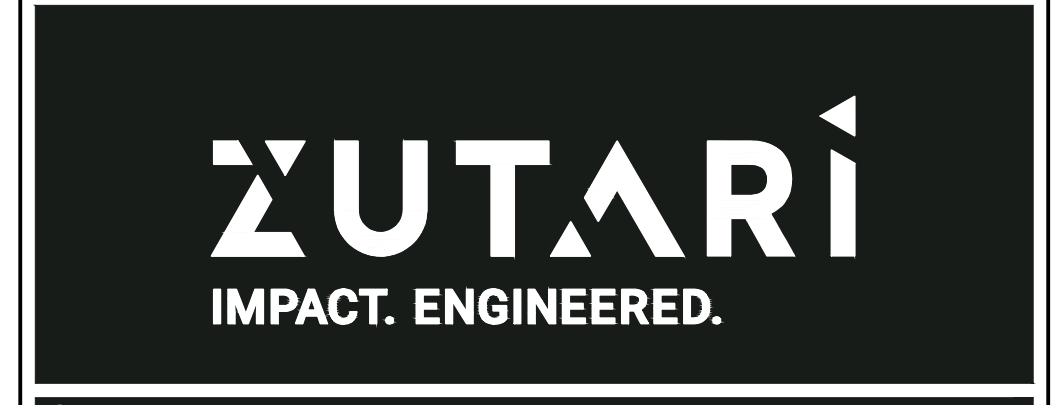
DISCLAIMER
 IF CONSTRUCTION DRAWINGS ARE ISSUED UNSIGNED, THE MASTER WITH THE ORIGINAL SIGNATURE OF APPROVAL WILL BE HELD AT THE ZUTARI OFFICE OF THE APPROVER

- Legend**
-  COPPER EARTH ELECTRODE
 -  ALUMINIUM BRIDGE CONDUCTOR
 -  TEST POINT
 -  STEEL REINFORCED IN THE CONCRETE COLUMN CONNECTING FROM THE TEST POINT TO THE ALUMINIUM BRIDGE CONDUCTOR
 -  COPPER CONDUCTOR

NOTES:
 1.) STEEL REINFORCED IN THE CONCRETE COLUMN SHALL BE USED TO CONNECT WITH ALUMINIUM BRIDGE CONDUCTOR AT THE TOP OF THE COLUMN TO CONNECT WITH THE STEEL ROOF. 100x100x50mm STEEL BOX SHALL BE INSTALLED FLUSH MOUNTED ON CONCRETE COLUMN AT 1m FROM THE GROUND LEVEL. THIS BOX WILL BE TEST POINT THAT CONNECT COPPER CONDUCTOR THAT IS CONNECTING COPPER EARTH ELECTRODE IN THE GROUND LEVEL



DETAIL A
1:15



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TO	10/02/21	ISSUED FOR TENDER	CJ JOHNSON

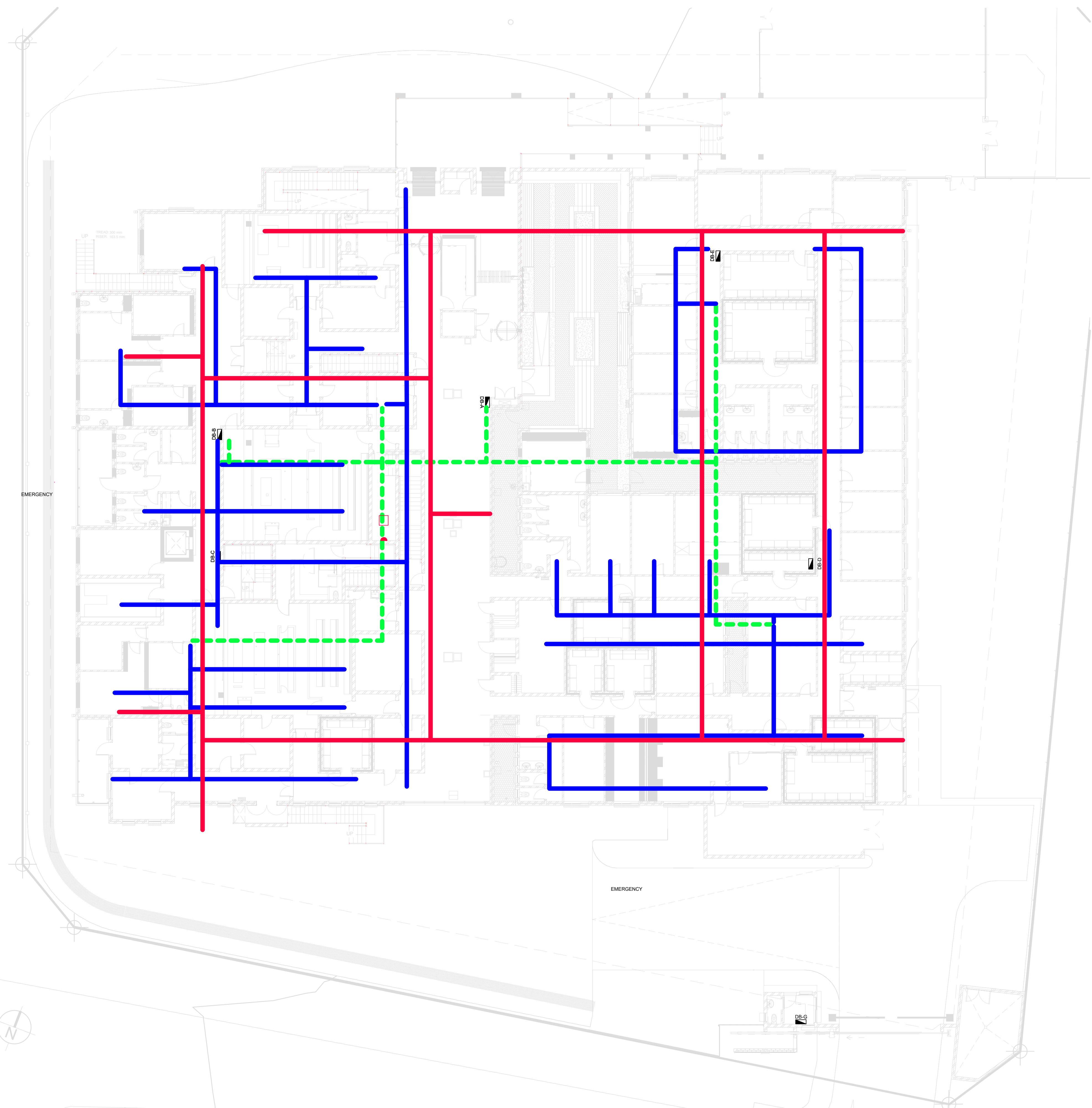
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DRAWN	J GREYVENSTEIN	APPROVED		
DESIGNED	H BADENHORST	DATE		
REVIEWED	W KRUGER	CJ JOHNSON	Pr.Eng.Tech. 200570064	

PROJECT
 NEW MAGISTRATES COURT
 JAN KEMPDORP

TITLE
 GROUND LEVEL
 LIGHTNING PROTECTION

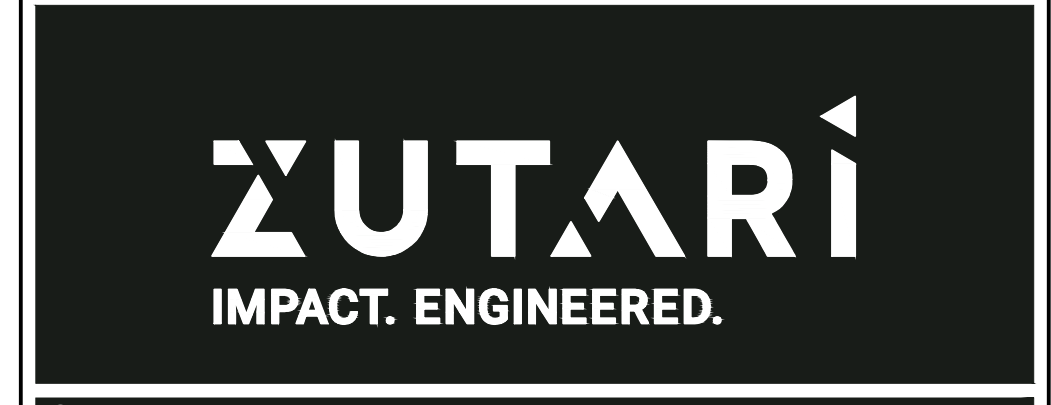
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 Office: ZABH



DISCLAIMER
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- Legend**
- DISTRIBUTION BOARD
 - WELDED WIRE MESH CABLE TRAY
 - ELECTRICAL WIRING DUCT
 - SECURITY AND FIRE PROTECTION WIRING DUCT



REV	DATE	REVISION DETAILS	APPROVED
TO	10/02/21	ISSUED FOR TENDER	CJ JOHNSON

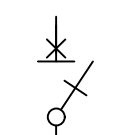
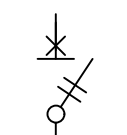
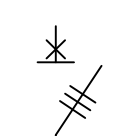
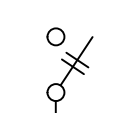
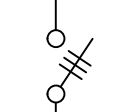
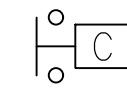
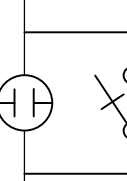
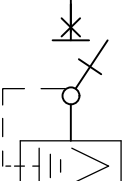
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DRAWN	J GREYVENSTEIN	APPROVED		
DESIGNED	H BADENHORST	DATE		
REVIEWED	CJ JOHNSON	CJ JOHNSON	Pr.Eng.Tech. 200570064	

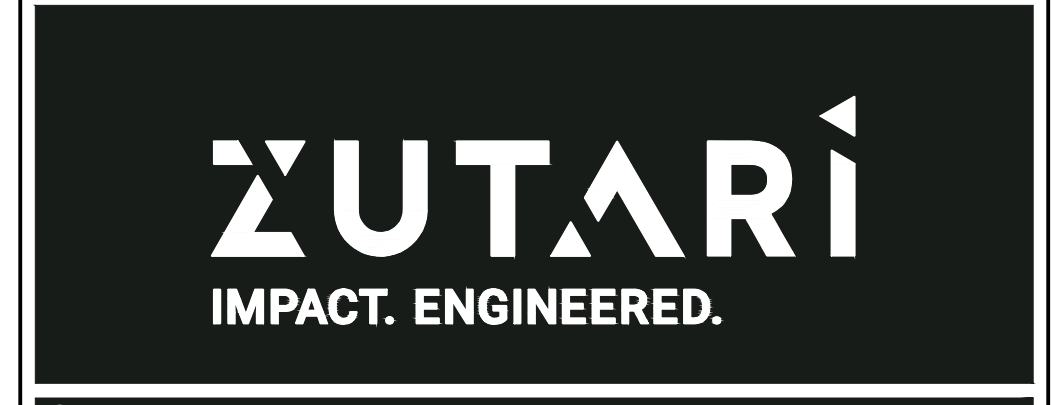
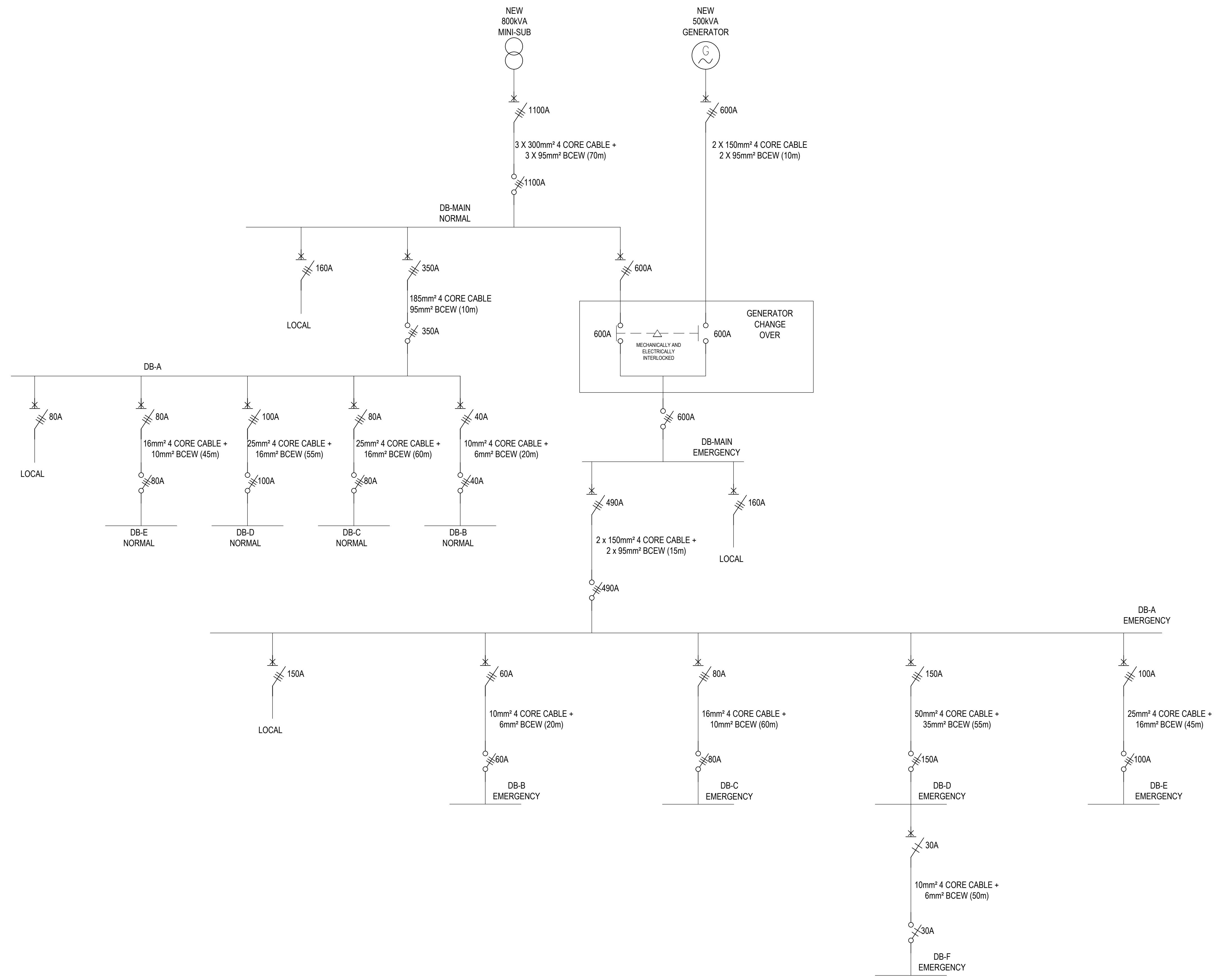
PROJECT
 NEW MAGISTRATES COURT
 JAN KEMPDORP

TITLE
 GROUND LEVEL
 WIREWAYS LAYOUT

DRAWING NUMBER					
PROJECT No.	WBS	TYPE	DISC	NUMBER	REV
111607	- 0000	- DRG	- EE	- 0009	- T0

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- Legend**
-  1 POLE CIRCUIT BREAKER
 -  2 POLE CIRCUIT BREAKER
 -  3 POLE CIRCUIT BREAKER
 -  2 POLE ISOLATOR
 -  3 POLE ISOLATOR
 -  CONTACTOR
 -  PHOTOCELL WITH BYPASS SWITCH
 -  1 POLE EARTH LEAKAGE (CIRCUIT BREAKER TYPE)



CLIENT



REV	DATE	REVISION DETAILS	APPROVED
T0	10/02/21	ISSUED FOR TENDER	CJ JOHNSON

SCALE N.T.S	SIZE A1	TENDER NOT FOR CONSTRUCTION
DRAWN J. GREYVENSTEIN	APPROVED DATE	
DESIGNED H. BADENHORST		
REVIEWED CJ. JOHNSON	CJ JOHNSON	Pr.Eng. Tech. 200570064

PROJECT
 NEW MAGISTRATES COURT
 JAN KEMPDORP

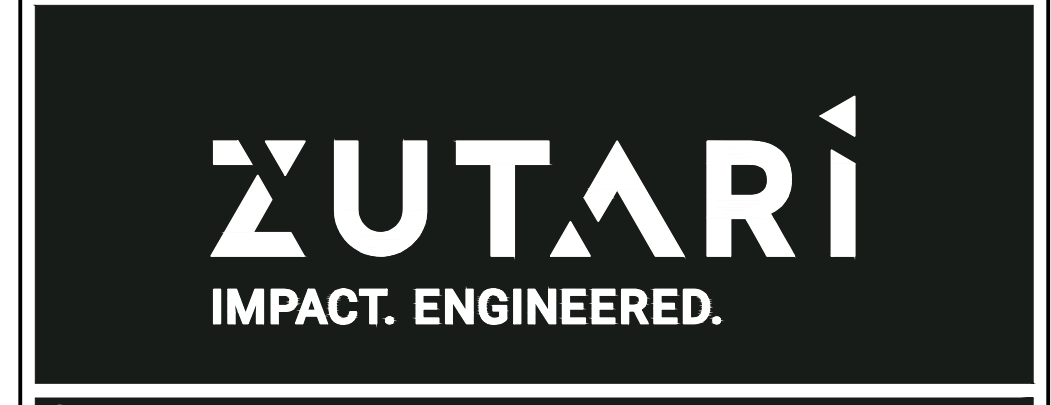
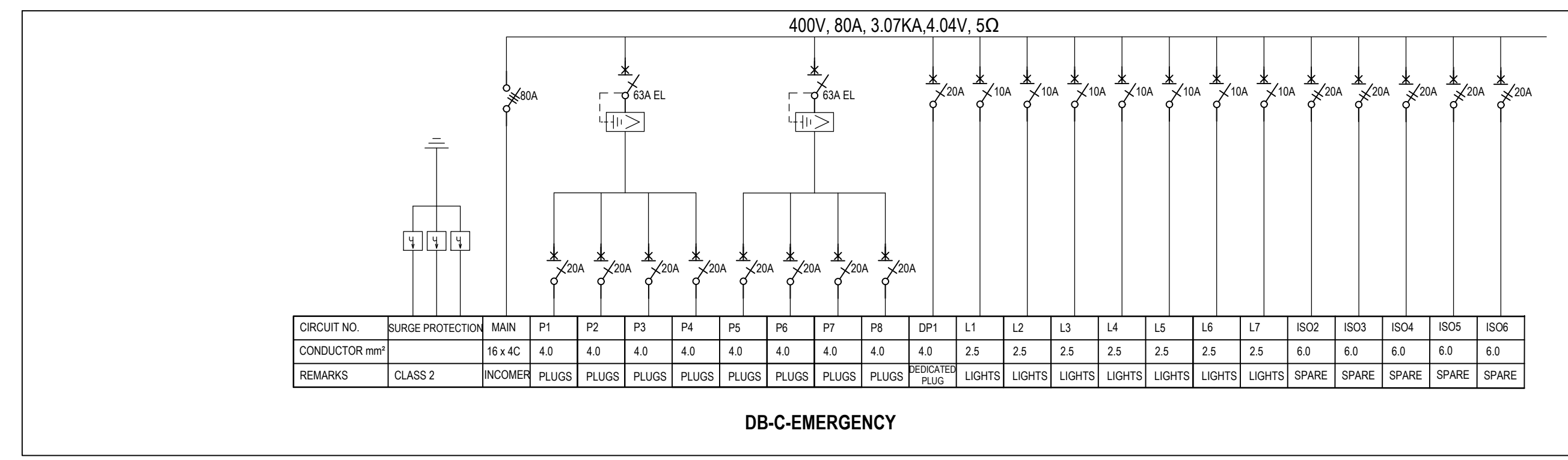
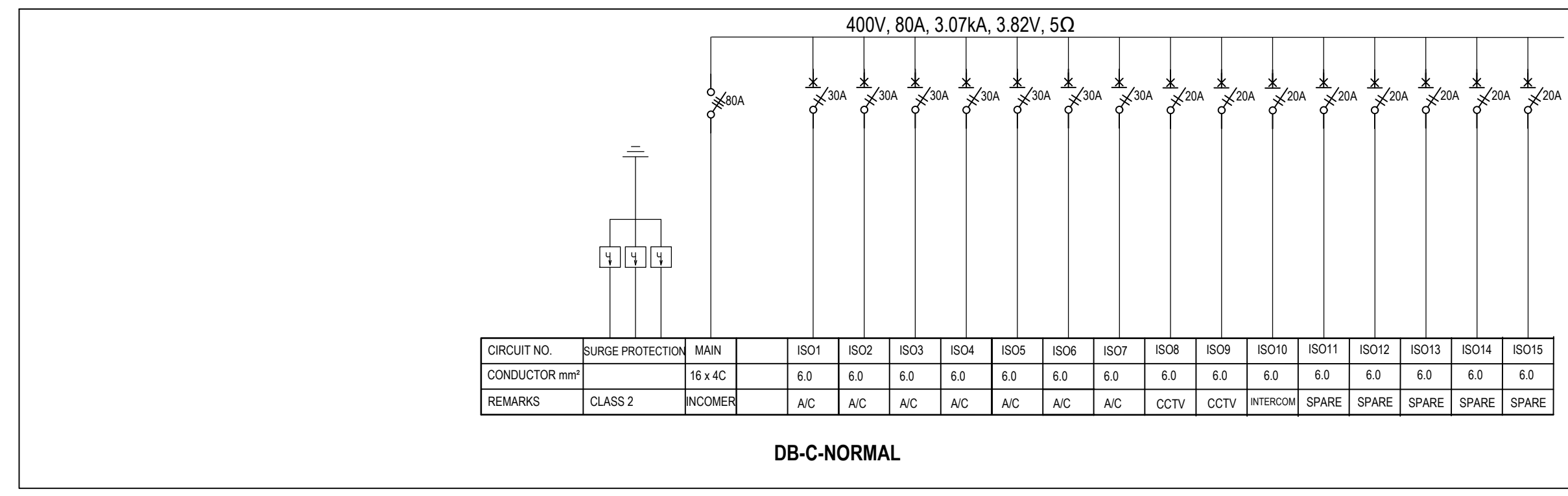
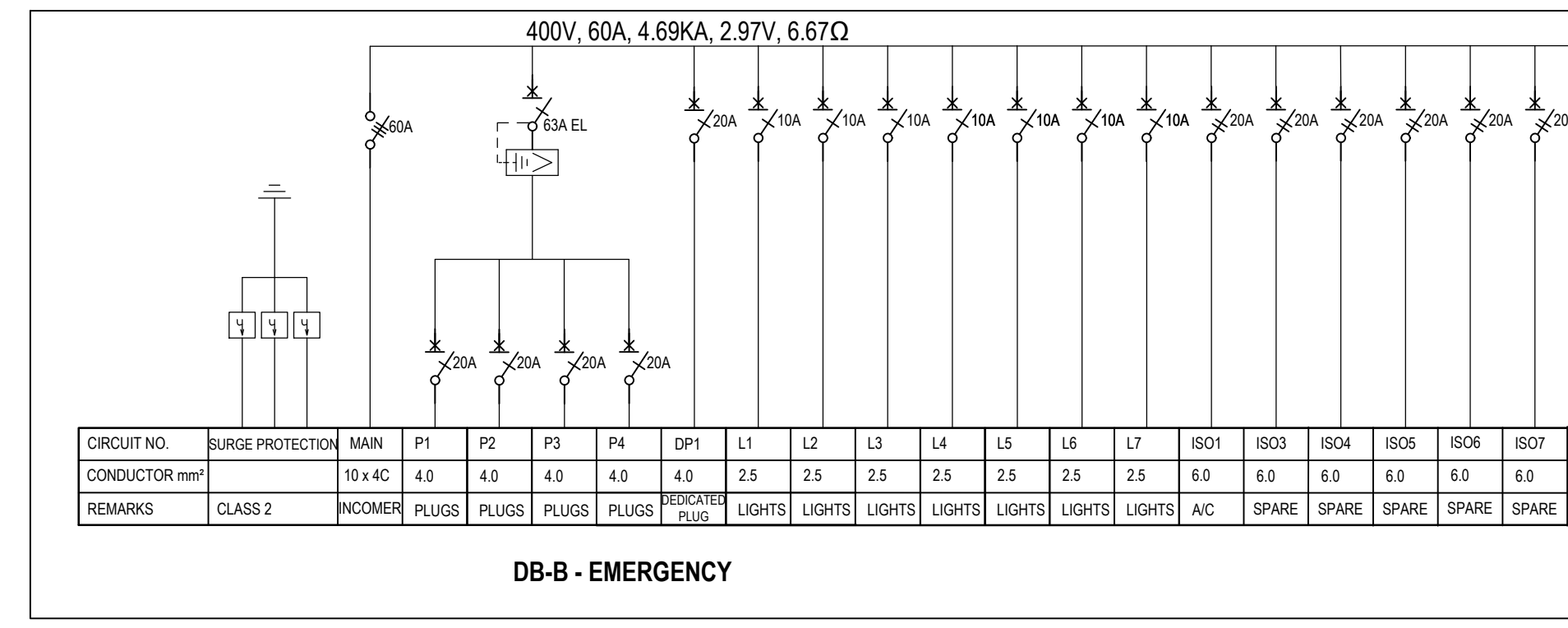
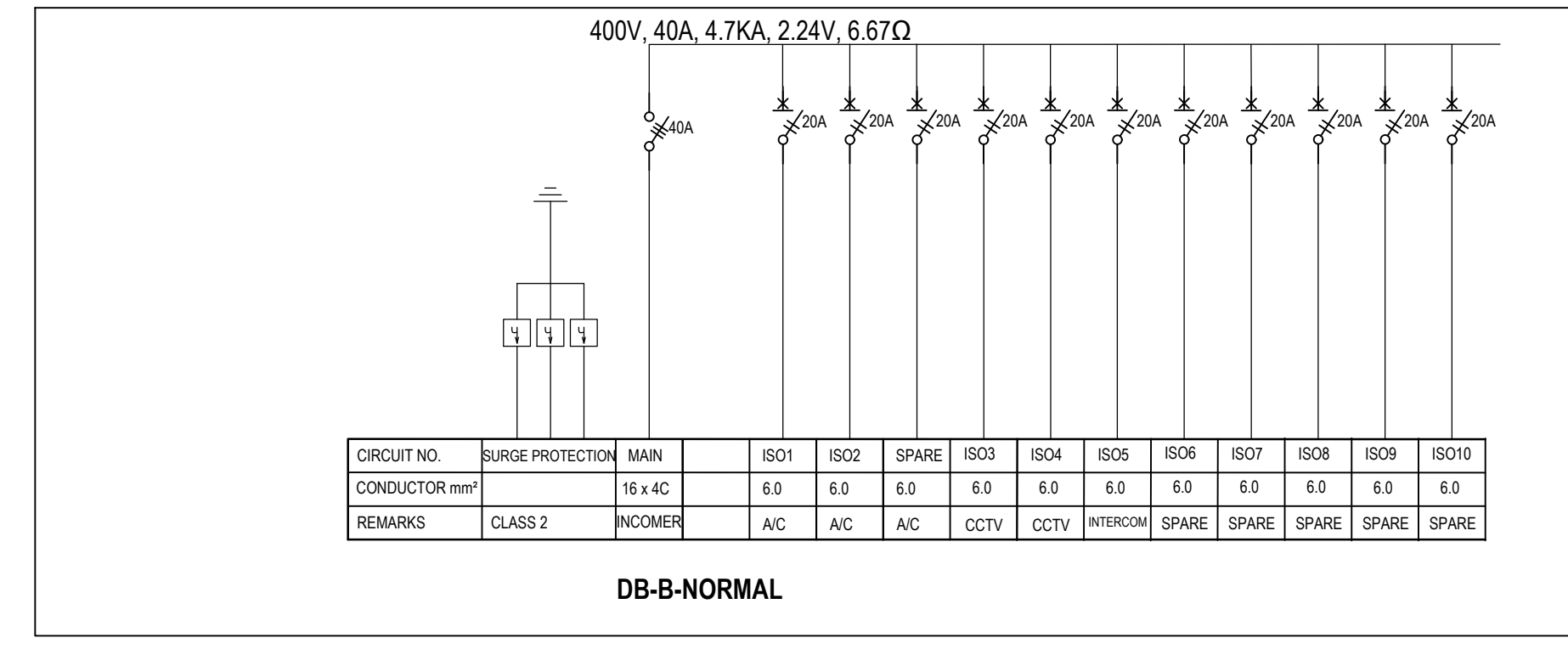
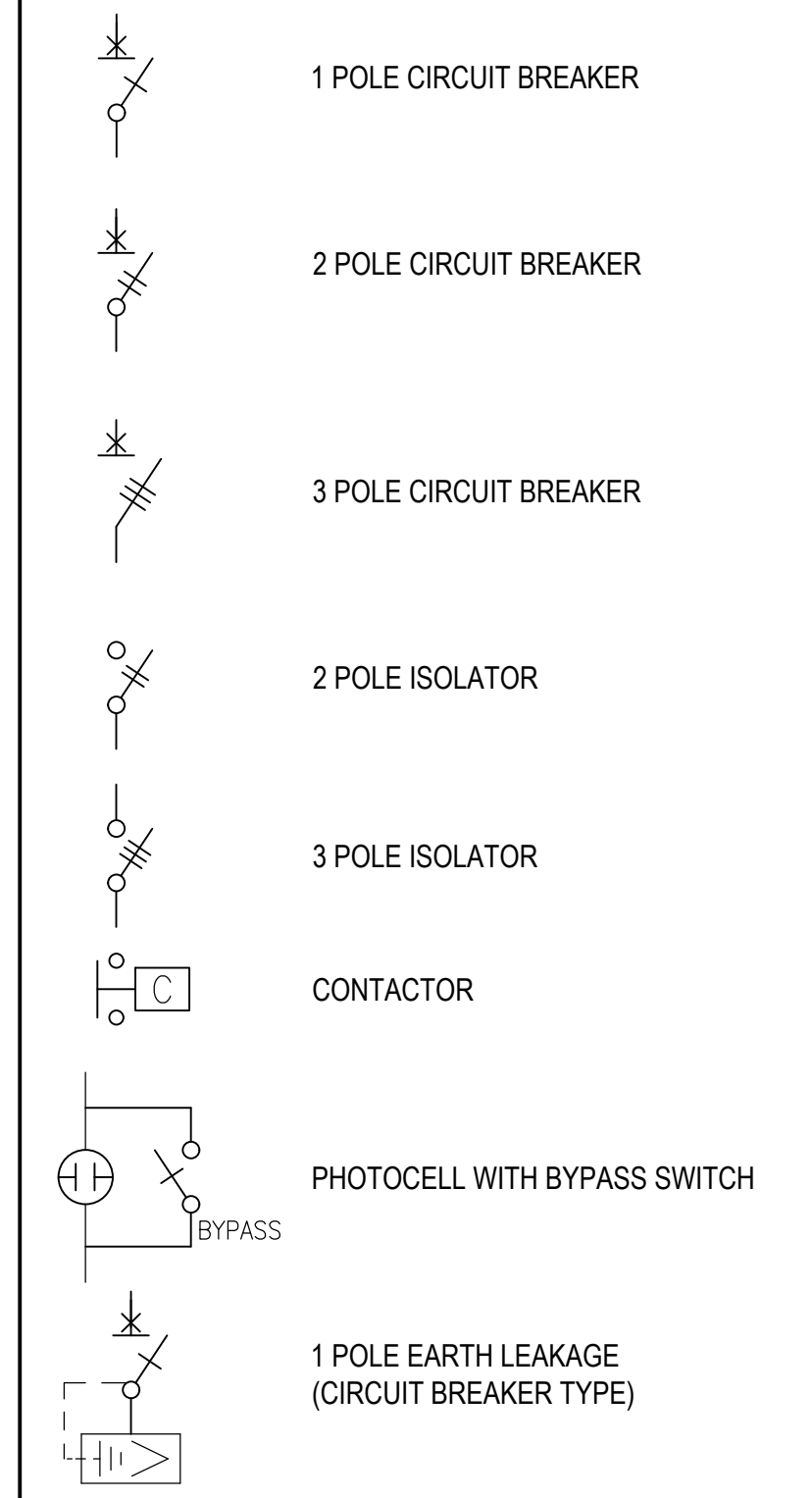
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 IF CONSTRUCTION DRAWINGS ARE ISSUED UNSIGNED, THE MASTER WITH THE ORIGINAL SIGNATURE OF APPROVAL WILL BE HELD AT THE ZUTARI OFFICE OF THE APPROVER

Legend



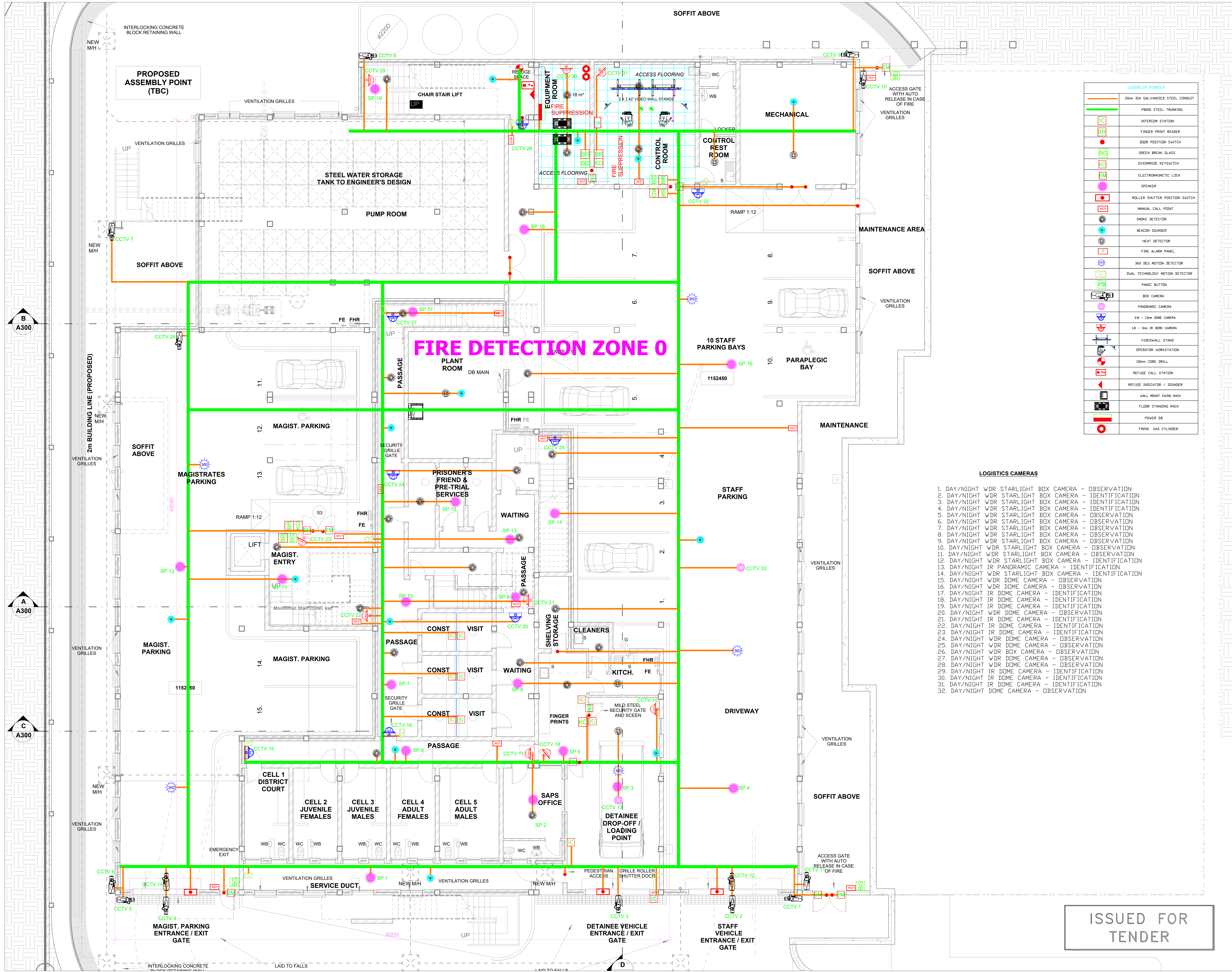
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T0	10/02/21	ISSUED FOR TENDER	CJ JOHNSON

SCALE N.T.S	SIZE A1	TENDER NOT FOR CONSTRUCTION
DRAWN J. GREYVENSTEIN	APPROVED DATE	
DESIGNED H. BADENHORST		
REVIEWED CJ. JOHNSON	CJ JOHNSON	Pr.Eng. Tech. 200570064

PROJECT
 NEW MAGISTRATES COURT
 JAN KEMPDORP

TITLE
 SINGLE LINE DIAGRAM
 SHEET 2 OF 3

DRAWING NUMBER					
PROJECT No.	WBS	TYPE	DISC	NUMBER	REV
111607	0000	DRG	EE	0012	T0



LEGEND OF SYMBOLS

20mm BSA GALVANISED STEEL CONDUIT
PROOF STEEL TRUNKING
INTERCOM STATION
FINGER PRINT READER
DOOR POSITION SWITCH
GREEN BREAK GLASS
OVERRIDE KEYSWITCH
ELECTROMAGNETIC LOCK
SPEAKER
ROLLER SHUTTER POSITION SWITCH
MANUAL CALL POINT
SMOKE DETECTOR
BEACON SOUNDER
HEAT DETECTOR
FIRE ALARM PANEL
360 DEG MOTION DETECTOR
DUAL TECHNOLOGY MOTION DETECTOR
PANIC BUTTON
BOX CAMERA
PANORAMIC CAMERA
2.8 - 13mm DOME CAMERA
1.8 - 3mm IR DOME CAMERA
VIDEOWALL STAND
OPERATOR WORKSTATION
100mm CORE DRILL
REFUGE CALL STATION
REFUGE INDICATOR / SOUNDER
WALL MOUNT SWING RACK
FLOOR STANDING RACK
POWER DB
FM200 GAS CYLINDER

- LOGISTICS CAMERAS**
1. DAY/NIGHT WDR STARLIGHT BOX CAMERA - OBSERVATION
 2. DAY/NIGHT WDR STARLIGHT BOX CAMERA - IDENTIFICATION
 3. DAY/NIGHT WDR STARLIGHT BOX CAMERA - IDENTIFICATION
 4. DAY/NIGHT WDR STARLIGHT BOX CAMERA - IDENTIFICATION
 5. DAY/NIGHT WDR STARLIGHT BOX CAMERA - OBSERVATION
 6. DAY/NIGHT WDR STARLIGHT BOX CAMERA - OBSERVATION
 7. DAY/NIGHT WDR STARLIGHT BOX CAMERA - OBSERVATION
 8. DAY/NIGHT WDR STARLIGHT BOX CAMERA - OBSERVATION
 9. DAY/NIGHT WDR STARLIGHT BOX CAMERA - OBSERVATION
 10. DAY/NIGHT WDR STARLIGHT BOX CAMERA - OBSERVATION
 11. DAY/NIGHT WDR STARLIGHT BOX CAMERA - OBSERVATION
 12. DAY/NIGHT WDR STARLIGHT BOX CAMERA - IDENTIFICATION
 13. DAY/NIGHT IR PANORAMIC CAMERA - IDENTIFICATION
 14. DAY/NIGHT WDR STARLIGHT BOX CAMERA - IDENTIFICATION
 15. DAY/NIGHT WDR DOME CAMERA - OBSERVATION
 16. DAY/NIGHT WDR DOME CAMERA - OBSERVATION
 17. DAY/NIGHT IR DOME CAMERA - IDENTIFICATION
 18. DAY/NIGHT IR DOME CAMERA - IDENTIFICATION
 19. DAY/NIGHT IR DOME CAMERA - IDENTIFICATION
 20. DAY/NIGHT WDR DOME CAMERA - OBSERVATION
 21. DAY/NIGHT IR DOME CAMERA - IDENTIFICATION
 22. DAY/NIGHT IR DOME CAMERA - IDENTIFICATION
 23. DAY/NIGHT IR DOME CAMERA - IDENTIFICATION
 24. DAY/NIGHT WDR DOME CAMERA - OBSERVATION
 25. DAY/NIGHT WDR DOME CAMERA - OBSERVATION
 26. DAY/NIGHT WDR BOX CAMERA - OBSERVATION
 27. DAY/NIGHT WDR DOME CAMERA - OBSERVATION
 28. DAY/NIGHT WDR DOME CAMERA - OBSERVATION
 29. DAY/NIGHT IR DOME CAMERA - IDENTIFICATION
 30. DAY/NIGHT IR DOME CAMERA - IDENTIFICATION
 31. DAY/NIGHT IR DOME CAMERA - IDENTIFICATION
 32. DAY/NIGHT DOME CAMERA - OBSERVATION

NO.	DATE	REVISION
1	30.08.2019	Tender

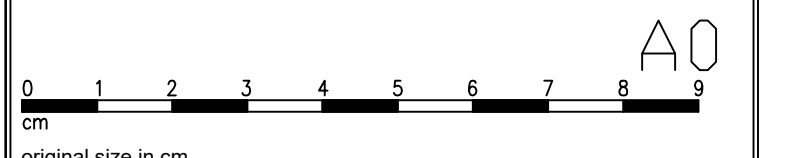
Drawing Cross References

Discipline	Drawing No.	M
Architectural	A200	
Mechanical Eng.		
Electrical Eng.		
Structural Eng.		
Civil Eng.		

APPROVAL-CLIENT

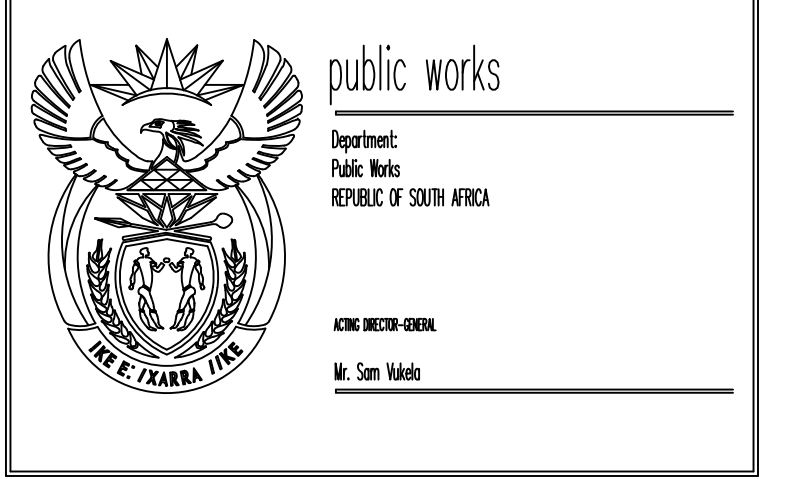
SIGNED	
NAME	
DESIGNATION	
DATE	

201370096
Signature: _____
R No: _____



- NOTES:**
1. Measured dimensions to take preference over scaled dimensions.
 2. All levels and dimensions to be checked on site before commencing work.
 3. Any discrepancies to be reported to the Engineer.
 4. All materials and samples to be approved by the Engineer.
 5. Raised floor to be 300mm in height.
 6. Smoke detector to be installed beneath raised floor.

JAN KEMPDORP SECURITY LAYOUT PLAN



THE CREATIVE AXIS ARCHITECTS
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381 Newkirk Street, Constantia Park, Pretoria
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Fax: +27 11 854 1743

ELECTRONICS

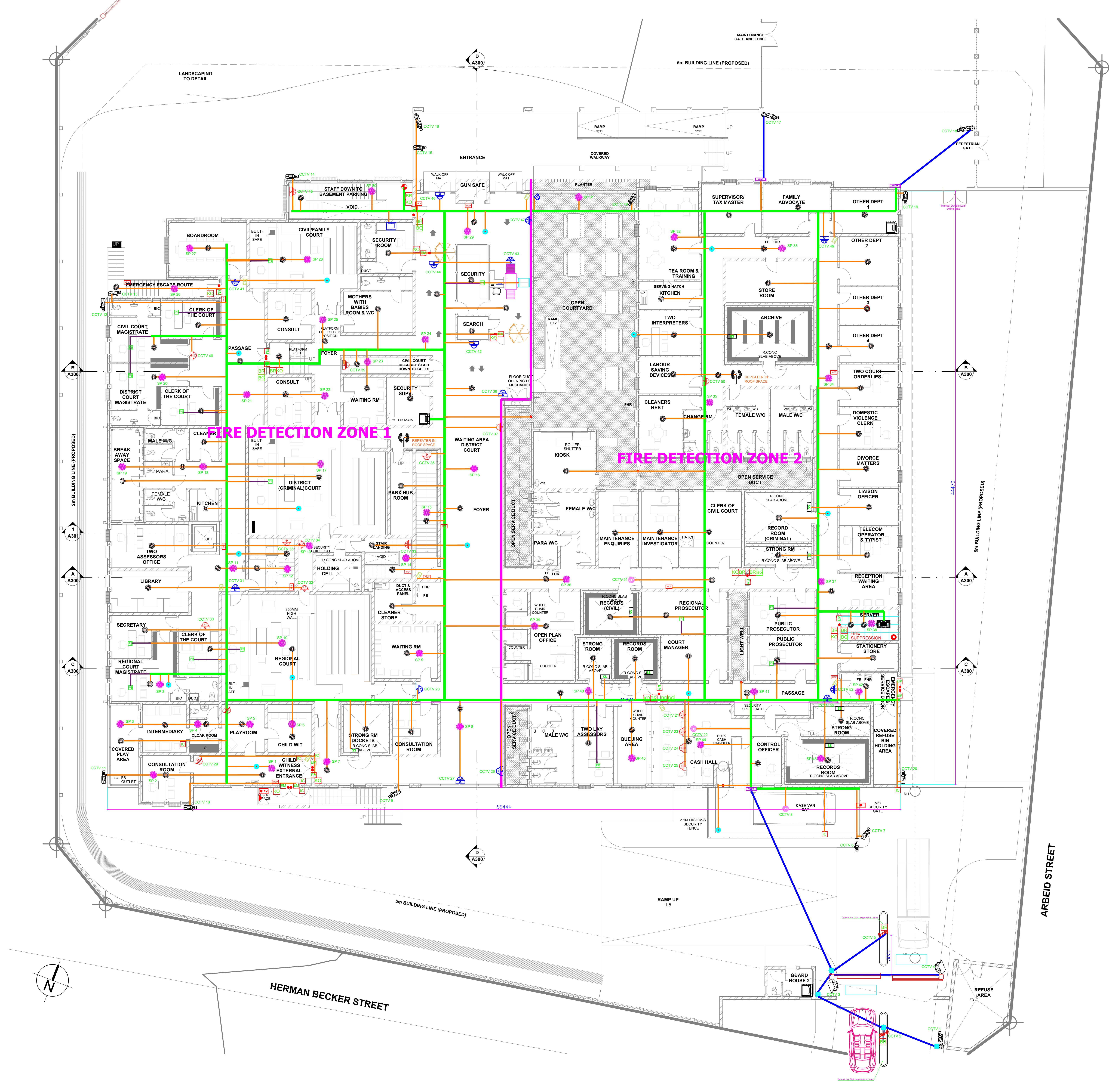
PROPOSED NEW MAGISTRATES COURT ON ERF 253, JAN KEMPDORP FOR THE DEPARTMENT OF PUBLIC WORKS

WCS 046 363

LOWER LEVEL SECURITY LAYOUT PLAN

DATE	19/01/19/21/23/22/27	BY	L. MORELE
DATE	N.T.S.	BY	L. MORELE
DATE	30.08.2019	BY	ME. MATILALA
DATE		BY	TENDER
DATE	ME159/WCS046363/0	REV	0

ISSUED FOR TENDER



LEGEND OF SYMBOLS	
[Symbol]	FLOOR DUCT
[Symbol]	20mm DIA GALVANISED STEEL CONDUIT
[Symbol]	PROOD STEEL TRUNKING
[Symbol]	50mm DIA SLEEVE
[Symbol]	20mm PVC CONDUIT
[IC]	INTERCOM STATION
[BR]	FINGER PRINT READER
[Symbol]	DOOR POSITION SWITCH
[BG]	GREEN BREAK GLASS
[KG]	OVERRIDE KEYSWITCH
[EM]	ELECTROMAGNETIC LOCK
[Symbol]	SPEAKER
[Symbol]	ROLLER SHUTTER POSITION SWITCH
[MCP]	MANUAL CALL POINT
[Symbol]	SMOKE DETECTOR
[Symbol]	BEACON SOUNDER
[Symbol]	HEAT DETECTOR
[SP]	FIRE ALARM PANEL
[Symbol]	DUAL TECHNOLOGY MOTION DETECTOR
[Symbol]	OUTDOOR MOTION DETECTOR
[SS]	SEISMIC DETECTOR
[PB]	PANIC BUTTON
[Symbol]	BOX CAMERA
[Symbol]	PANORAMIC CAMERA
[Symbol]	2.8 - 12mm ZONE CAMERA
[Symbol]	1.8 - 3mm IR DOME CAMERA
[Symbol]	LICENSE PLATE CAPTURE CAMERA
[Symbol]	REFUGE CALL STATION
[Symbol]	REFUGE INDICATOR / SOUNDER
[Symbol]	WALL MOUNT SWING RACK
[Symbol]	FLOOR STANDING RACK
[Symbol]	FULL HEIGHT SINGLE TURNSTILE
[Symbol]	RODM & SPIKES BARRIER
[Symbol]	WALK-THROUGH METAL DETECTOR
[Symbol]	X - RAY SCANNER
[Symbol]	STAKBOX WITH LOCKABLE LID
[Symbol]	JUNCTION BOX
[Symbol]	FM200 GAS CYLINDER
[Symbol]	DURESS WIRELESS REPEATER
[Symbol]	DURESS HMIC PANEL

K	DATE	REVISION
0	20.02.2019	Tender
1	19.02.2020	Panel / Bureau System

Drawing Cross References		
Discipline	Drawing No.	Letter
Architectural	A201	L
Mechanical Eng.		
Electrical Eng.		
Structural Eng.		
Civil Eng.		

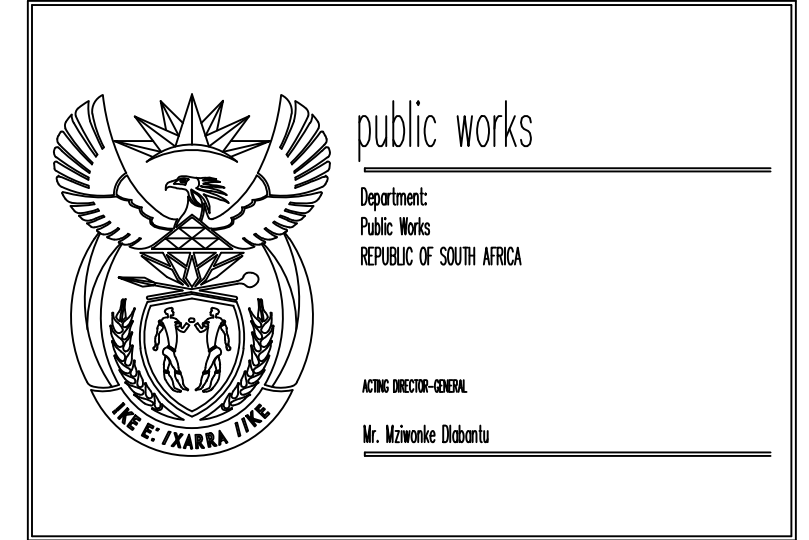
APPROVAL-CLIENT	
DESIGNED	
NAME	
DESIGNATION	
DATE	

Signature	
201370096	File No

Scale	
0 1 2 3 4 5 6 7 8 9 10	A0

NOTES:
 1. Measured dimensions to take preference over scaled dimensions.
 2. All levels and dimensions to be checked on site before commencing works.
 3. Any discrepancies to be reported to the Engineer.
 4. All materials and samples to be approved by the Engineer.
 5. Fence posts to be 300mm apart unless specified otherwise.

JAN KEMPDORP SECURITY LAYOUT PLAN



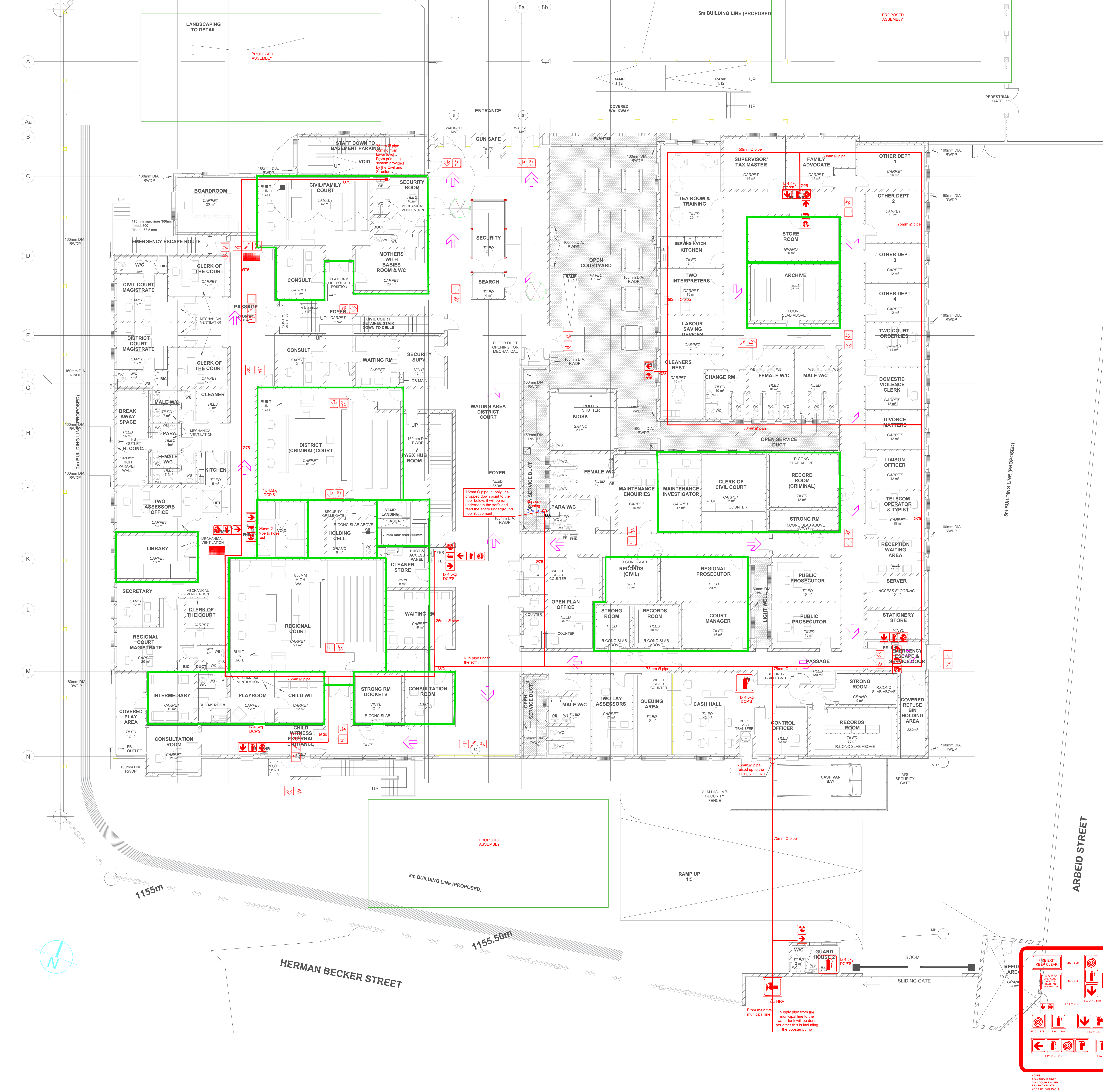
THE CREATIVE X
 Suite 1, 5vo Station, 18 Sandton Street, Lennox Ext 1
 Johannesburg, South Africa
 Tel: +27 11 854 1982
 Fax: +27 11 854 1943

180 Montecasale Street, Constantia, Pretoria
 012 322 2222
 012 322 2222
 012 322 2222
 012 322 2222

ELECTRONICS
 PROPOSED NEW MAGISTRATES COURT DN ERF 253, JAN KEMPDORP FOR THE DEPARTMENT OF PUBLIC WORKS
 WCS 046 363

GROUND LEVEL: SECURITY LAYOUT PLAN	
DATE	19/02/2020
BY	N.T.S.
CHECKED	L. MERLE
DATE	19/02/2020
BY	M.E. MATLALA
DATE	TENDER
PROJECT	ME159/WCS046363/1
REVISION	REV 1

ISSUED FOR TENDER



NOTES:
 All work must comply to the NATIONAL BUILDING REGULATIONS AND BUILDING STANDARDS ACT NO. 103 OF 1977

- This project is new site where, all equipments to bring must comply with the minimum standard requirement of the National Building regulation.
- The entire installation for the communication pipe serving the installation should not be less than 75mm and all pipe serving each hose reel should not be less than 25mm.
- Each hose reel pressure at the commissioning stage must be not less than 30m pressure head.
- All fire pipe should be identifiable in respect of the fire regulation and clear marked.
- All new equipment for replacement of olds must be SABS approved.
- This installation will allow a simultaneously use of all fire hydrants and hose reels.
- All work to comply with SANS 10400-T:2011 unless addressed by Rational Fire Design Occupancy Classification : G1 & E3 (cells).
- Booster connection to be available on premises.
- Fire extinguishers to be installed in accordance with SANS 10105 - 1:2005 & 4.37.
- All fire exit doors (Table 10, clause 4.21.4) to have a minimum clear width as indicated on drawing and **must open in the direction of egress.**
- All fire exit doors to be fitted with approved locking devices without the use of any key.
- All fire fighting equipment, fire escape routes and exit doors to be indicated by photo luminescent symbolic signs which must be secured without the use of adhesives.
- Water supply installation by others for fire fighting equipment to be independent of the domestic supply.
- All services to be adequately fire stopped where passing through fire walls.
- Floor coverings to comply with 4.14.
- Wall coverings to comply with 4.15.
- Suspended ceilings and its supporting members to be non-combustible and shall conform to 4.13.
- Structural elements and components to comply with 4.7.
- Smoke control & venting to comply with 4.42
- Portable fire extinguishers to be hung on purpose made boards and located in secure positions as indicated on plan & to comply with 4.37.
- Manual break glass points & audible evacuation sirens to be installed in compliance with SANS 10139:2007.
- Fire Emergency plan to be agreed with the local authorities - by Tenant.

N.B: Ground floor Design population: 1/15m², Maximum: 25

NO	DATE	REVISION	BY
1	29.11.2020	ISSUED FOR TENDER	

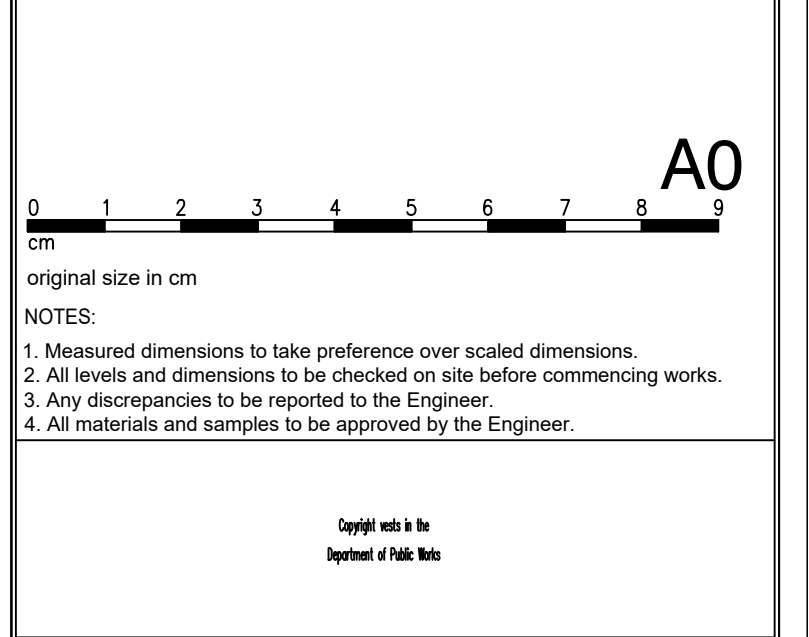
CLIENT APPROVAL		
DATE		
SIGNATURE		
DATE		

- Drawing Cross References:**
- | Discipline | Drawing No. | Revision |
|---------------|-------------|----------|
| Architectural | A201 | F |
| Mechanical | | |
| Electrical | | |
| Structural | | |
| Civil Eng. | | |
- GENERAL NOTES:**
- This drawing is not to be scaled, use figured dimensions only. All dimensions, heights, and angles to be checked and verified before any work commences on site or in contractors workshop and any discrepancies must be reported to the Mechanical Engineer immediately.
 - All building work to be carried out in accordance with NBR, SABS and local authorities building laws and regulations.
 - All structural components to be verified and inspected by the structural engineer.
 - All workmanship and materials to be of the best available quality. All materials and components to be as per plumbing and Mechanical Engineer specification and used in accordance with the manufacturer's specification and method statement.
 - Any errors, discrepancies, omissions or queries arising from this documentation to be reported to the Mechanical Engineer immediately for clarification before such work is put in hand.

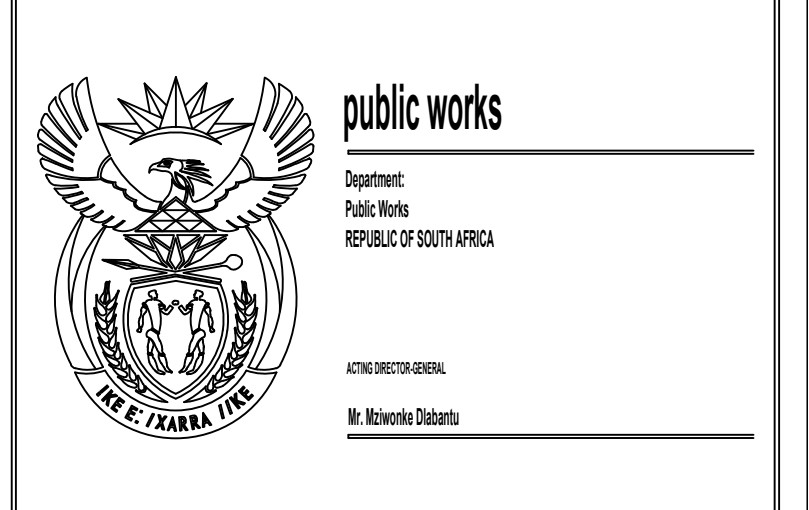
EXISTING CONDITIONS

- The contractor shall be responsible for reviewing all existing conditions. Any adverse existing conditions affecting the work shown on this drawing shall be brought to the attention of the Mechanical Engineer for possible clarification or reconciliation.

All dimensions and the full design were established based on all structural information received from the architectural drawing



JAN KEMPDORP SECURITY LAYOUT PLAN



THE CREATIVE X
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 Johannesburg, 1501
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 Fax: +27 11 854 1743

MECHANICAL

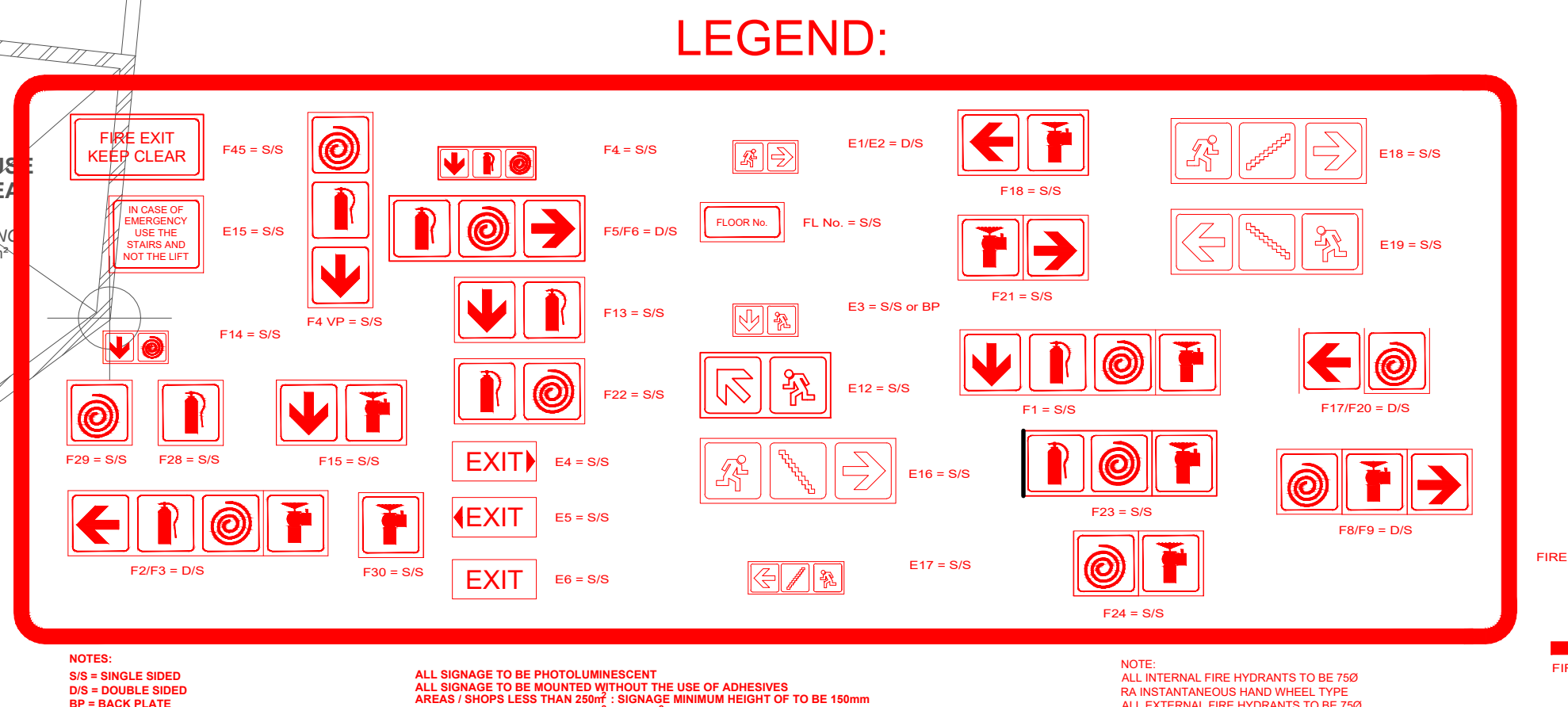
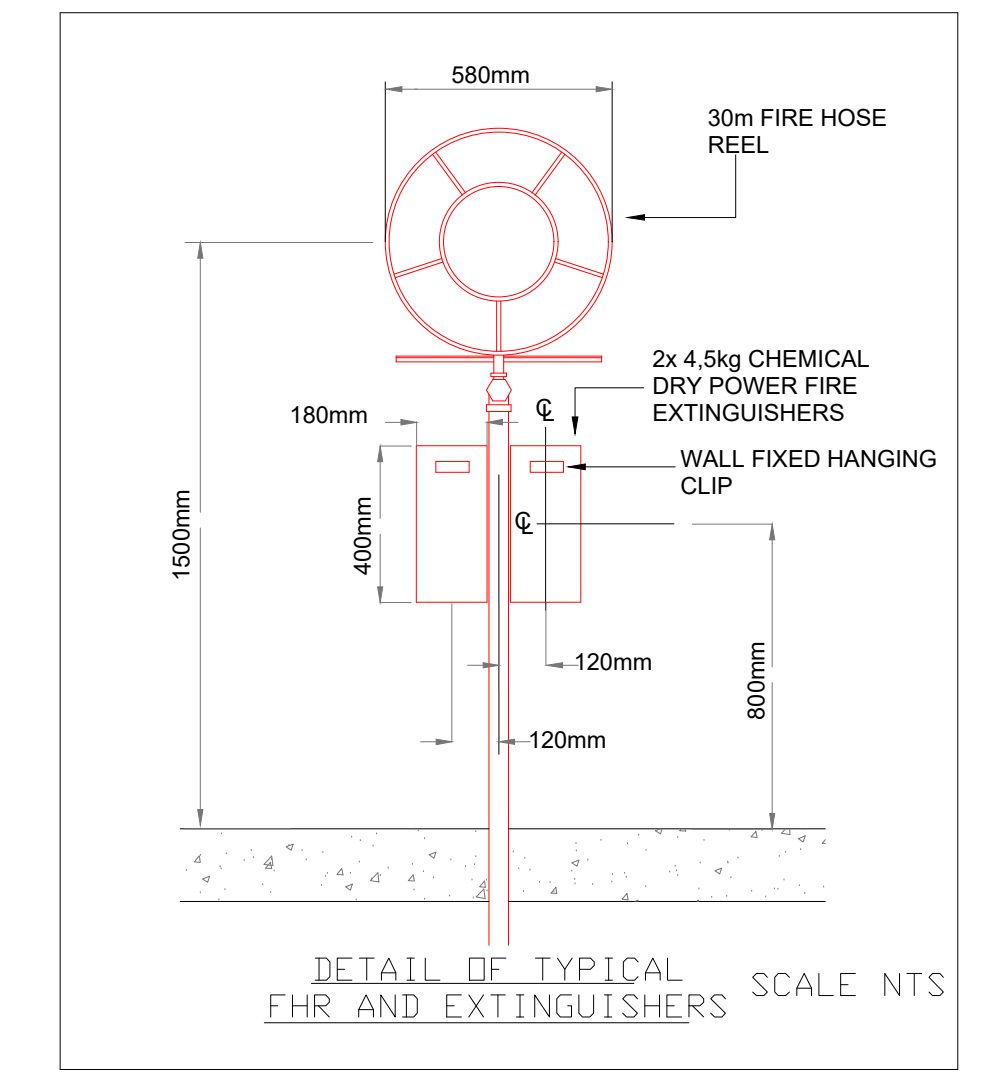
PROPOSED NEW MAGISTRATES COURT ON ERF 253, JAN KEMPDORP FOR THE DEPARTMENT OF PUBLIC WORKS

WCS 046 363

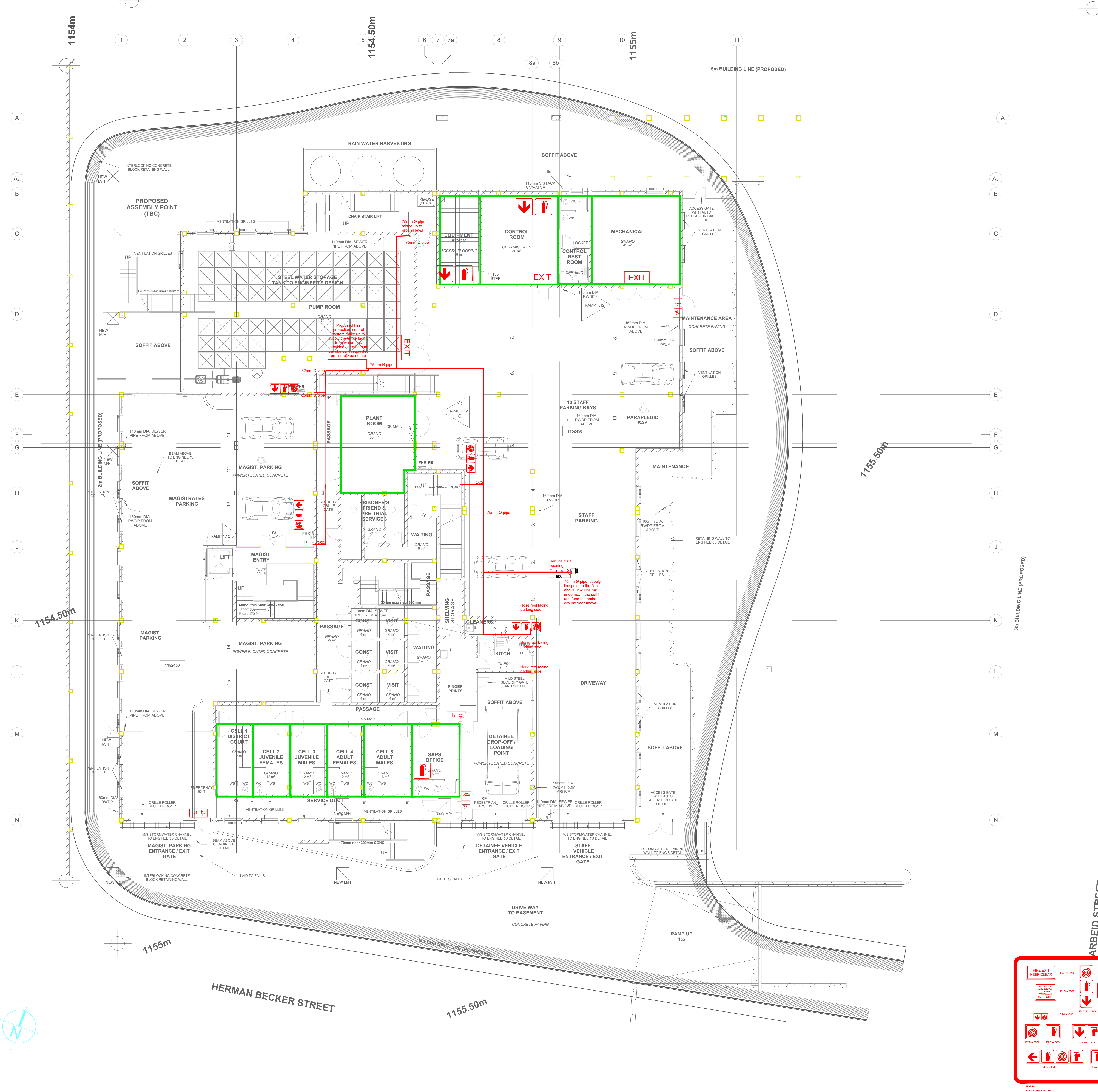
GROUND FLOOR: RATIONAL FIRE DESIGN

DATE	19/12/12/2322/72	BY	T.D. NSENGA
DATE	1100	BY	T.D. NSENGA
DATE	13.07.2015	BY	T.D. NSENGA
DATE	FOR TENDER	BY	

ME159/WCS046363/2 REV 1



NOTES:
 F40-05 FIRE EXIT KEEP CLEAR
 F10-05 FIRE EXTINGUISHER
 F20-05 FIRE HOSE REEL
 F30-05 FIRE ALARM CALL POINT
 F40-05 FIRE ESCAPE ROUTE
 F50-05 FIRE ESCAPE ROUTE
 F60-05 FIRE ESCAPE ROUTE
 F70-05 FIRE ESCAPE ROUTE
 F80-05 FIRE ESCAPE ROUTE
 F90-05 FIRE ESCAPE ROUTE
 F100-05 FIRE ESCAPE ROUTE
 F110-05 FIRE ESCAPE ROUTE
 F120-05 FIRE ESCAPE ROUTE
 F130-05 FIRE ESCAPE ROUTE
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 F200-05 FIRE ESCAPE ROUTE
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 F960-05 FIRE ESCAPE ROUTE
 F970-05 FIRE ESCAPE ROUTE
 F980-05 FIRE ESCAPE ROUTE
 F990-05 FIRE ESCAPE ROUTE
 F1000-05 FIRE ESCAPE ROUTE



- NOTES:**
- All work must comply to the NATIONAL BUILDING REGULATIONS AND BUILDING STANDARDS ACT NO. 103 OF 1977**
- This project is new site where, all equipments to bring must comply with the minimum standard requirement of the National Building regulation.
 - The entire installation for the communication pipe serving the installation should not be less than 75mm and all pipe serving each hose reel should not be less than 25mm.
 - Each hose reel pressure at the commissioning stage must be not less than 30m pressure head.
 - All fire pipe should be identifiable in respect of the fire regulation and clear marked.
 - All new equipment for replacement of olds must be SABS approved.
 - This installation will may allow a simultaneously use of all fire hydrants and hose reels .
 - All work to comply with **SANS 10400-T:2011** unless addressed by **Rational Fire Design Occupancy Classification : G1 & E3 (cells)**.
 - Booster connection to be available on premises.
 - Fire extinguishers to be installed in accordance with SANS 10105 - 1:2005 & 4.37.
 - All fire exit doors (Table 10, clause 4.21.4) to have a minimum clear width as indicated on drawing and **must open in the direction of egress**.
 - All fire exit doors to be fitted with approved locking devices without the use of any key.
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 - Floor coverings to comply with 4.14.
 - Wall coverings to comply with 4.15.
 - Suspended ceilings and its supporting members to be non-combustible and shall conform to 4.13.
 - Structural elements and components to comply with 4.7.
 - Smoke control & venting to comply with 4.42
 - Portable fire extinguishers to be hung on purpose made boards and located in secure positions as indicated on plan & to comply with 4.37.
 - Manual break glass points & audible evacuation sirens to be installed in compliance with SANS 10139:2007.
 - Fire Emergency plan to be agreed with the local authorities - by Tenant.
- N.B: Ground floor Design population: 1/15m², Maximum: 25**

NO	DATE	REVISION	BY
1	28.11.2020	ISSUED FOR TENDER	

CLIENT APPROVAL		
NO		
NAME		
DESIGN		
DATE		

Drawing Cross References:		
Discipline	Drawing No.	
Architectural	A201	F
Mechanical		
Electrical		
Structural		
Civil		

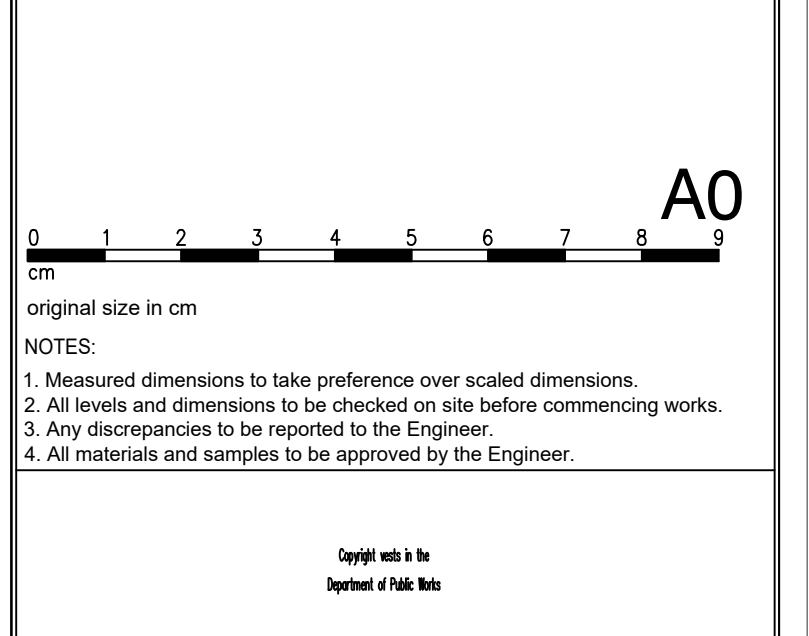
- GENERAL NOTES:**
- This drawing is not to be scaled, use figured dimensions only. All dimensions, heights, and angles to be checked and verified before any work commences on site or in contractors workshop and any discrepancies must be reported to the Mechanical Engineer immediately.
 - All building work to be carried out in accordance with NBR, SABS and local authorities building laws and regulations.
 - All structural components to be verified and inspected by the structural engineer.
 - All workmanship and materials to be of the best available quality. All materials and components to be as per plumbing and Mechanical Engineers specification and used in accordance with the manufacturer's specification and method statement.
 - Any errors, discrepancies, omissions or queries arising from this documentation to be reported to the Mechanical Engineer immediately, for clarification before such work is put in hand.
- EXISTING CONDITIONS**
- The contractor shall be responsible for reviewing all existing conditions. Any adverse existing conditions affecting the work shown on this drawing shall be brought to the attention of the Mechanical Engineer for possible clarification or reconciliation.
- All dimensions and the full design were established based on all structural information received from the architectural drawing

Scale: 1:100

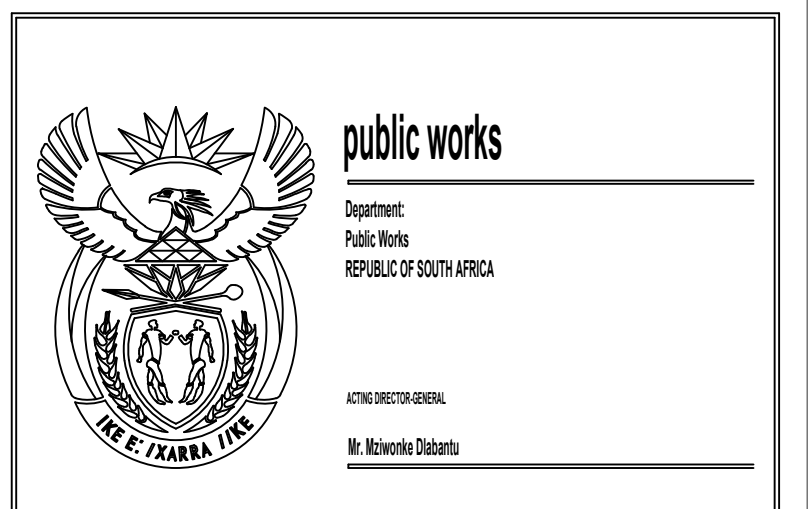
Original size in cm

NOTES:

- Measured dimensions to take preference over scaled dimensions.
- All levels and dimensions to be checked on site before commencing work.
- Any discrepancies to be reported to the Engineer.
- All materials and samples to be approved by the Engineer.



JAN KEMPOORP SECURITY LAYOUT PLAN



THE CREATIVE X5

Suite 1, 5th Floor, 81 Gendak Street, Lenasia Ext 1
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 Tel: +27 11 854 3932
 Fax: +27 11 854 1743

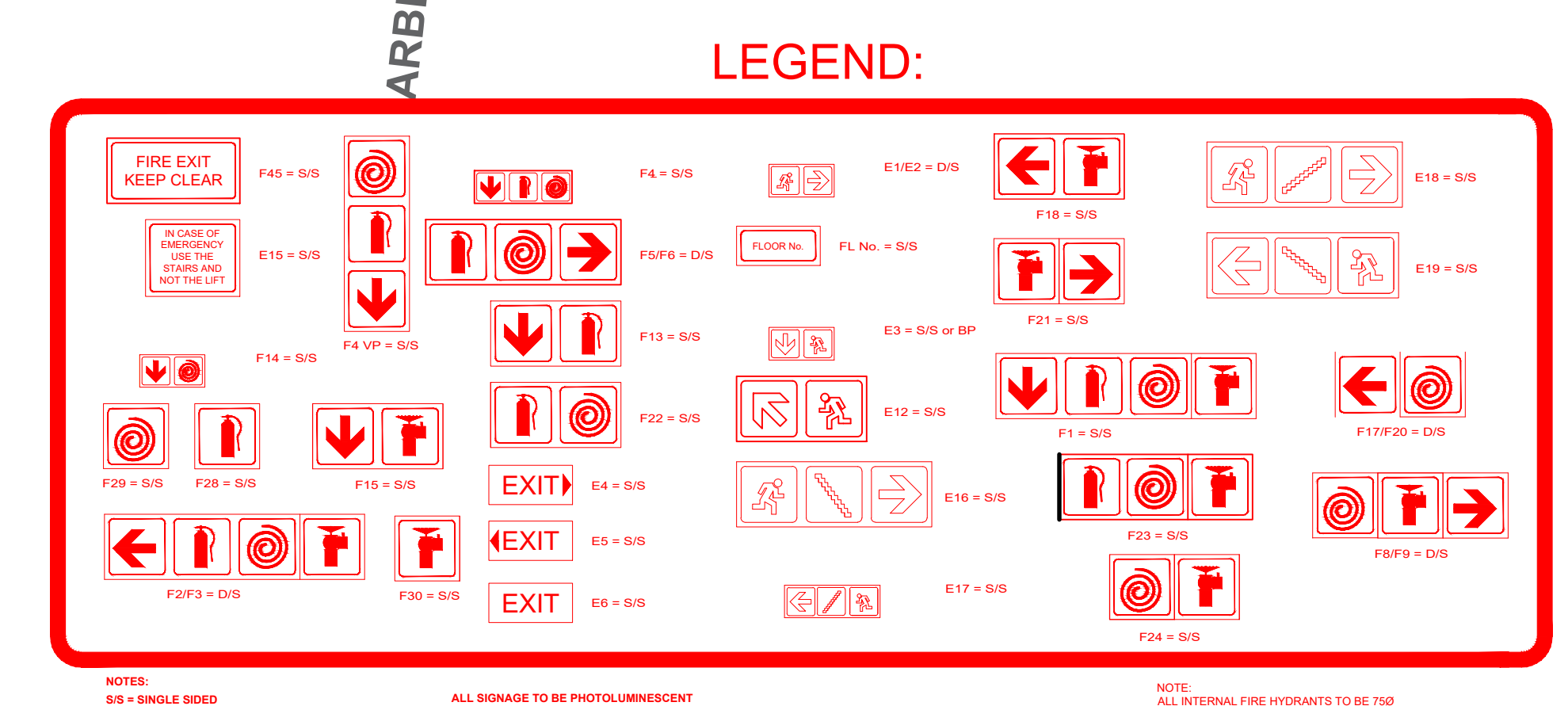
MECHANICAL

PROPOSED NEW MAGISTRATES COURT ON ERF 253, JAN KEMPOORP FOR THE DEPARTMENT OF PUBLIC WORKS

WCS 046 363

BASEMENT FLOOR: RATIONAL FIRE DESIGN

19/2/2020 T.D. NSENGA
 1/100 T.D. NSENGA
 13/07/2015 T.D. NSENGA
 TENDER
 ME159/WC046363/3 REV 1



NOTES:

ALL DIMENSIONS TO BE IN ACCORDANCE WITH SANS 10400-T:2011 UNLESS OTHERWISE SPECIFIED.

ALL WORK TO BE IN ACCORDANCE WITH SANS 10400-T:2011 UNLESS OTHERWISE SPECIFIED.

ALL MATERIALS AND WORKMANSHIP TO BE IN ACCORDANCE WITH SANS 10400-T:2011 UNLESS OTHERWISE SPECIFIED.

ALL DIMENSIONS TO BE IN ACCORDANCE WITH SANS 10400-T:2011 UNLESS OTHERWISE SPECIFIED.

ALL WORK TO BE IN ACCORDANCE WITH SANS 10400-T:2011 UNLESS OTHERWISE SPECIFIED.

ALL MATERIALS AND WORKMANSHIP TO BE IN ACCORDANCE WITH SANS 10400-T:2011 UNLESS OTHERWISE SPECIFIED.



WET SERVICE GENERAL NOTES:

- All work must comply to the National Building Regulations and Building Standards Act No. 103 of 1977
STANDARD APPLICATION TO FIRE INSTALLATION REFERRED TO SANS 10400-W-2011 AND SANS 10400-T-2020 Edition 4
 The entire installation for the communication pipe serving the installation should not be less than 75mm and all pipes serving each hose reel should not be less than 25mm.
 The work covered in this contract is to be installed according to the specs, codes, ordinances and requirements of the following:
- National plumbing code
 - The code of sanitation of the republic
 - National pollution control commission
 - Ordinances of concerned city or municipality
 - Statutory requirements local codes and by-laws:
 - JAN KEMPDORP Local Municipality - Fire brigade and emergency services;
 - Codes of practice: south african bureau of standards, british standards and NFPA:
 - All work to comply with Act 103 OF 1997 AND SANS 10400 PART 1 ENDASH 2011 AND SANS 10252-1:2012 Edition 3: water supply and drainage for buildings part 1: water supply installations for buildings;
 - SANS 10252-2 (1993) (ENGLISH): Water supply and drainage for buildings Part 2: drainage installations for buildings;
 - SANS 10400: the application of the national building regulations.

All construction permits, and fees required for the work shall be obtained by and at the expense of the contractor. The contractor shall furnish the owner final certificates of inspection after the completion of the work.

WORKMANSHIP & COORDINATION WITH TRADES:

All work shall be performed in first class and neat workmanship by persons skilled in their trades and such persons and their work shall be satisfactory to the Engineer.
 The contractor is required to refer to the general conditions and to all architectural, structural, electrical, mechanical and fire protection requirement specifications and shall investigate all possible interferences and conditions affecting his work.

This drawing does not have to be used as workshop and contractor must measure and double check the dimensions, and all external works are carried per other (CIVIL.)

DRAIN WATER NOTES:

- Contractor should make sure that all piping and reticulation of discharging pipes comply with the standard SANS 10400-P-2010 edition 3 in the plumbing matter.
- Should any need raised because of unforeseen danger, Contracting Plumber to consult the Engineer for advice before the work can proceed.
- For all kitchen area **A** grease interceptor must be provided to take the discharge from the sanitary fixture or appliance where the discharge of such fixture or appliance could contain grease, fat or vegetable oil and
 - where such discharge will drain directly to a french drain, or
 - interfere with the efficient operation of any sewage treatment or disposal system.

Plumber must enable the flow from the branch drain to enter the drain obliquely in the direction of flow so that the included angle between the axes of the two drains does not exceed 45°.

Shall be installed in accordance with the requirements of SANS 1200 DB, SANS 1200 LB and SANS 1200 LD and shall:

- be laid in a straight line between any points where changes of direction or gradient occur;
- be laid with suitable flexible joints which will permit joint movement to take place throughout the life of the drainage installation, withstand root penetration and not deteriorate when in contact with sewage or water and will not cause any obstruction in the interior of the drain;
- be laid at a gradient, suitable for the hydraulic load to be carried by such drain, as given in
- where its gradient exceeds 1 in 5, must be provided with anchor blocks to securely fix the drain in place.

After a drainage installation has been completed, the discharge pipes and ventilating pipes shall be tested following the Test for discharge pipes and ventilating pipes as per SANS 10400-P-2010 edition 3 requirement.

All provided sanitary fixtures shall be provided integrally or immediately at its outlet with an effective self-cleaning trap, except where such fixture is a bath, washbasin or shower.

All new drain pipes must be directed to the closest service duct in the respect of the fall.

LEGEND:

- WASTE WATER PIPE
- PVC DRAIN WATER PIPE
- COLD WATER PIPE
- LINE SHOWING COLD WATER PIPE RETICULATION ROUTE UNDERNEATH SLAB SERVING SOME POINTS ON GROUND FLOOR ABOVE
- Vent
- Proposed manhole

NO	REV	REASON	DATE
1	1	TENDER	10.12.2019

CLIENT APPROVAL		
DATE	SIGNATURE	2019/12/25
NAME	POSITION	

Drawing Cross References:

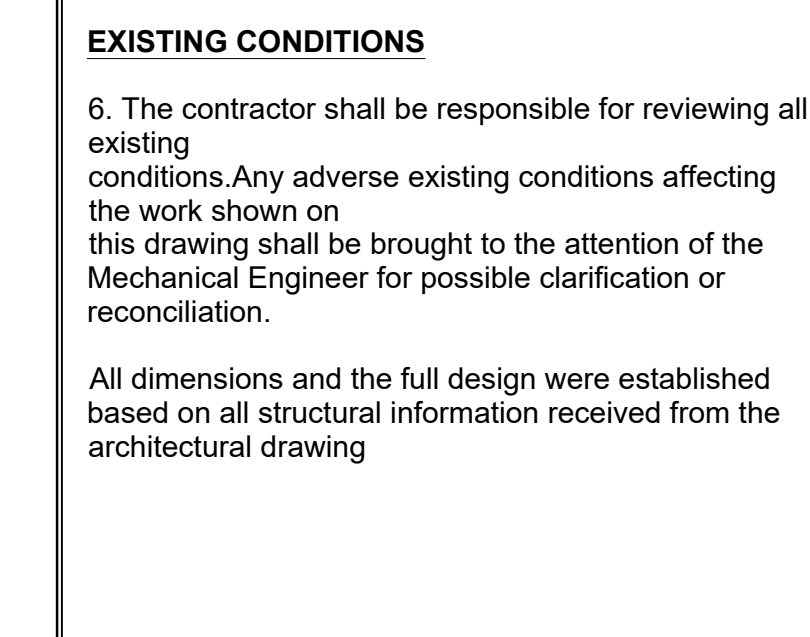
Discipline	Drawing No.	
Architectural	A201	F
Mechanical		
Electrical		
Structural		
Civil		

GENERAL NOTES:

- This drawing is not to be scaled, use figured dimensions only. All dimensions, heights, and angles to be checked and verified before any work commences on site or in contractors workshop and any discrepancies must be reported to the Mechanical Engineer immediately.
- All building work to be carried out in accordance with NBR, SABS and local authorities building laws and regulations.
- All structural components to be verified and inspected by the structural engineer.
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- Any errors, discrepancies, omissions or queries arising from this documentation to be reported to the Mechanical Engineer immediately, for clarification before such work is put in hand.

EXISTING CONDITIONS

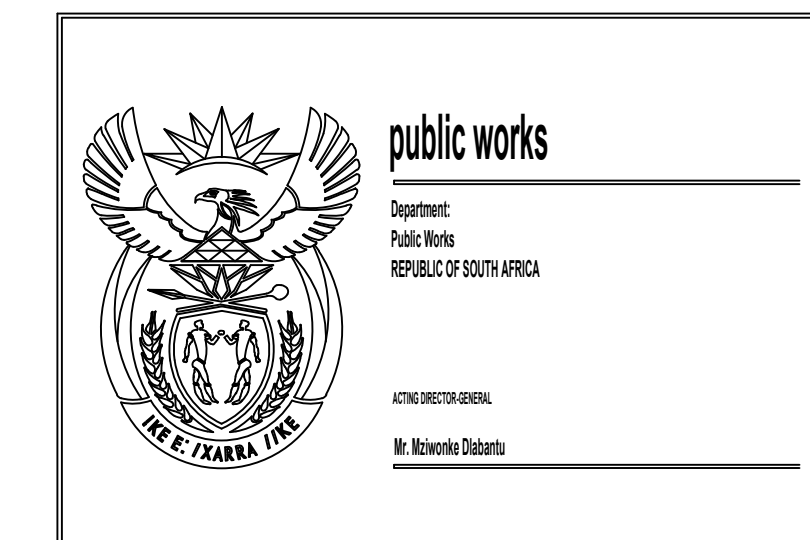
- The contractor shall be responsible for reviewing all existing conditions. Any adverse existing conditions affecting the work shown on this drawing shall be brought to the attention of the Mechanical Engineer for possible clarification or reconciliation.
- All dimensions and the full details were established based on all structural information received from the architectural drawing.



NOTES:

- Measured dimensions to take preference over scaled dimensions.
- All levels and dimensions to be checked on site before commencing work.
- Any discrepancies to be reported to the Engineer.
- All materials and samples to be approved by the Engineer.

JAN KEMPDORP PLUMBING LAYOUT PLAN



THE CREATIVE X

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MECHANICAL

PROPOSED NEW MAGISTRATES COURT ON ERF 253, JAN KEMPDORP FOR THE DEPARTMENT OF PUBLIC WORKS

WCS 046 363

DATE	19/12/19	BY	T.D. NSENGA
DATE	11/01	BY	T.D. NSENGA
DATE	13/07/2015	BY	T.D. NSENGA
DATE	FOR TENDER	BY	

ME159/WC046363/7 REV. 1