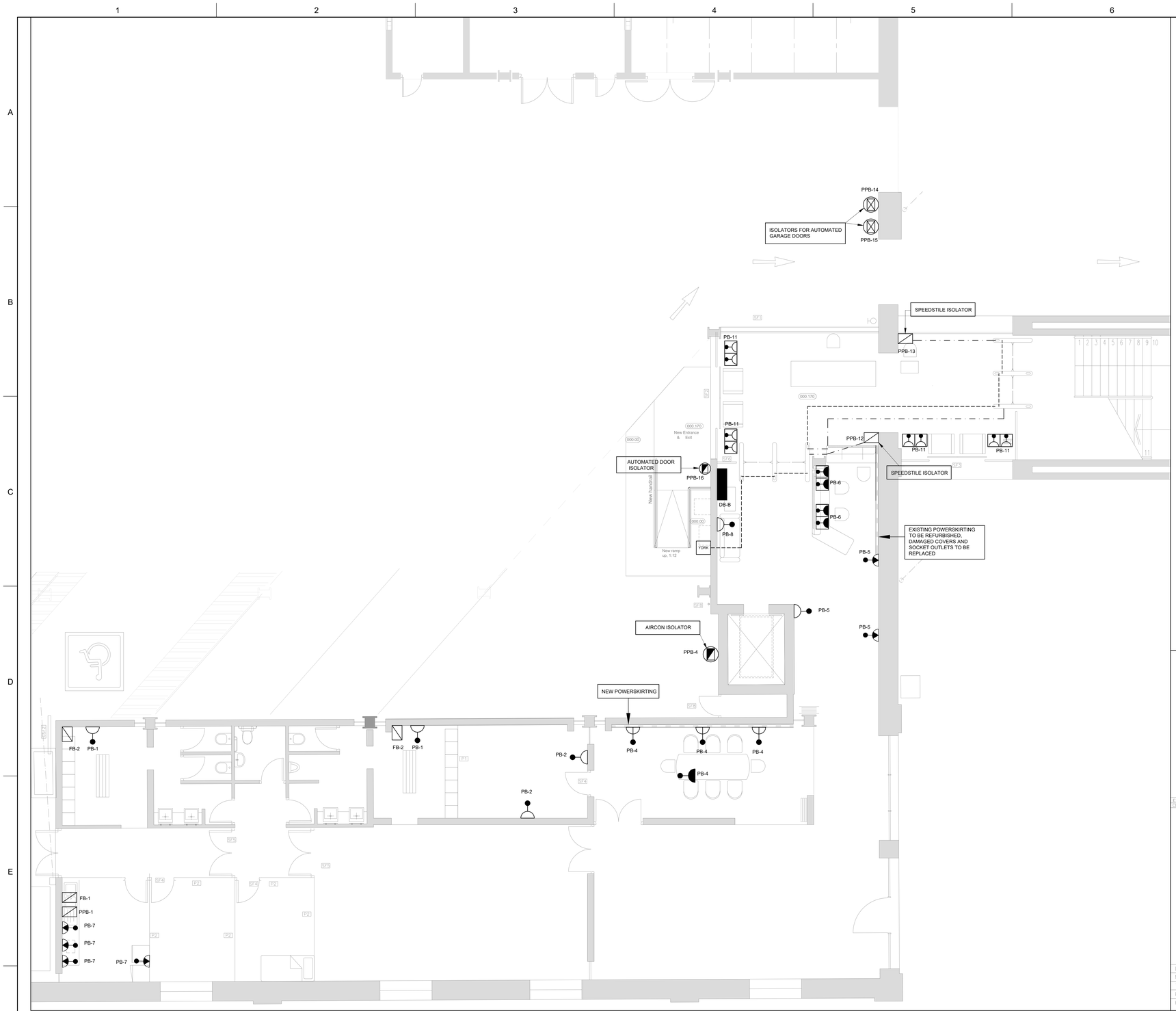


GROUND FLOOR RECEPTION POWER LAYOUT

Scale 1:50

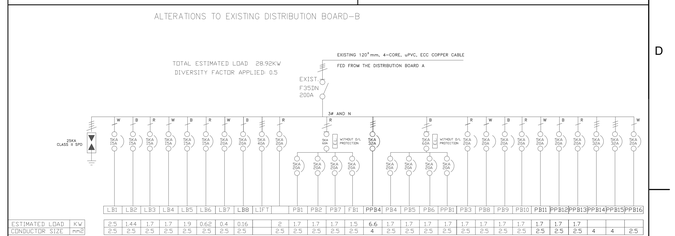
LEGEND

- 32A SINGLE PHASE ISOLATOR WITH IP 65 RATING INSTALLED NEXT TO AIRCON UNIT OR HEAT PUMP HEIGHT TO BE DETERMINED ON SITE TO COMPLY WITH TPD:A04-OISOLATEPERFSPEC
- 16A SINGLE SWITCHED SOCKET OUTLET (TO BE INSTALLED IN CEILING VOID) TO COMPLY WITH TPD:A01-SDPERFSPEC
- SOCKET OUTLET WITH 1 X 16A RSA (164-1) AND 1 X 16A SLIMLINE (164-2) INSTALLED IN UNDERFLOOR BOX WITH LID TO COMPLY WITH TPD:A01-SDPERFSPEC
- SOCKET OUTLET WITH 1 X 16A RSA (164-1), 2 X 16A SLIMLINE (164-2) AND 2 X RJ45 MODULES INSTALLED IN UNDERFLOOR BOX WITH LID TO COMPLY WITH TPD:A01-SDPERFSPEC
- 4X4 16A SWITCHED SINGLE FACILITY SINGLE PHASE SOCKET OULET (1350mm ABOVE FLOOR LEVEL) GRAPHITE WITH 1 X SILIMLINE (164-2) SOCKET AND 1 X RSA (164-1) TO COMPLY WITH TPD:A01-SDPERFSPEC
- 4X4 16A SWITCHED SINGLE FACILITY SINGLE PHASE SOCKET OULET (300mm ABOVE FLOOR LEVEL) GRAPHITE WITH 1 X SILIMLINE (164-2) SOCKET AND 1 X RSA (164-1) TO COMPLY WITH TPD:A01-SDPERFSPEC
- 16A SINGLE PHASE, SINGLE SOCKET OUTLET INSTALLED ON POWER SKIRTING TO COMPLY WITH TPD:A01-SDPERFSPEC AND TPD:A03-PSKIRTPERFSPEC
- 2 X 32mm PVC SLEEVE PIPES CHASED IN THE FLOOR
- 1 X 20mm PVC SLEEVE PIPES CHASED IN THE FLOOR
- TWO-TIER POWER SKIRTING (70mm2 data, 70mm2 power) TO COMPLY WITH TPD:A03-PSKIRTPERFSPEC
- YORK — ELECTRICAL YORK BOX
- EXISTING ELECTRICAL DISTRIBUTION BOARD DB-B
- 20A SINGLE PHASE ISOLATOR TO BE INSTALLED 2.2 m ABOVE FLOOR LEVEL TO COMPLY WITH TPD:A01-SDPERFSPEC
- 32A, THREE PHASE ISOLATOR (WEATHERPROOF) (MOUNTING POSITION TO BE DETERMINED ON SITE) TO COMPLY WITH TPD:A04-OISOLATEPERFSPEC

NOTES

1. THIS DRAWING IS FOR EL&P ONLY.
2. A CERTIFICATE OF COMPLIANCE TO BE COMPLETED BY CONTRACTOR ON COMPLETION OF WORK.
3. DO NOT SCALE DRAWING - ONLY DIMENSIONS SHOWN TO BE USED.
4. THE CONTRACTOR SHALL VERIFY ALL CONDITIONS, DIMENSIONS AND LEVELS ON THE SITE AND NOTIFY THE NEC SUPERVISOR OF ANY VARIATIONS BEFORE CONSTRUCTION.
5. ALL EXISTING LIGHTING CIRCUITS TO BE RETAINED AND RE-USED
6. EXISTING UNISTRUT TO BE RETAINED AND RE-USED.
7. THE CONTRACTOR SHALL TEST AND VERIFY ALL ELECTRICAL CIRCUITS AT DB-B. THE CONTRACTOR SHALL ALSO RE-LABEL DB-B AND LABEL ALL SOCKET OUTLETS, ISOLATORS AND LIGHT SWITCHES INDICATING RELEVANT CIRCUIT NUMBERS.

ALTERATIONS TO EXISTING DISTRIBUTION BOARD-B



DISTRIBUTION BOARD TYPE	WALL MOUNTED (SURFACE)
MATERIAL	ZINTEX
THICKNESS OF MATERIAL	2mm
PAINT TYPE	POWDER COATED (40 MICRONS)
PAINT COLOUR	ORANGE

50% SPARE WAYS

NOTES

1. THE CONTRACTOR SHALL MODIFY THE EXISTING DB-B BY REPLACING EXISTING LARGE-FRAME 6kA CIRCUIT BREAKERS WITH NEW 6kA, NARROW-FRAME CBI MCB'S TO ALLOW FOR MORE SPACE.
2. THE CONTRACTOR SHALL INSTALL NEW CIRCUIT BREAKERS AS PER THE ABOVE SINGLE LINE DIAGRAM.
3. ALL NEW SWITCHGEAR SHALL BE OF THE CBI MAKE.
4. CERTIFICATE OF COMPLIANCE TO BE COMPLETED BY CONTRACTOR ON COMPLETION OF WORK.
5. ALL WORK TO BE CARRIED OUT IN ACCORDANCE WITH TNPA SPECIFICATION TPD-002-DBSPEC.

NOTES

1. DO NOT SCALE DRAWING - ONLY DIMENSIONS SHOWN TO BE USED.
2. THE CONTRACTOR SHALL VERIFY ALL CONDITIONS, DIMENSIONS AND LEVELS ON THE SITE AND NOTIFY THE NEC SUPERVISOR OF ANY VARIATIONS BEFORE CONSTRUCTION.
3. ALL LEVELS ARE IN METERS TO MEAN SEA LEVEL

DRAWING NO.	DRAWING DESCRIPTION

REFERENCE DRAWINGS

NO.	DESCRIPTION	BY	CHKD	APPD	DATE
E	ISSUED FOR TENDER	ZD	PM	SS	27.07.2026

REVISIONS

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PRIVATE OPERATOR LOGO

CONSULTANTS ENGINEERS LOGO

CONTRACTOR / CONSULTANT					
TITLE	NAME	SIGN	DATE		
DRAWN	-		-	-	-
CHECKED	-		-	-	-
DESIGNED	-		-	-	-
CHECKED	-		-	-	-
PR.ENG. / PR.TECH./PR. ARCH					
NAME	XX		DATE		
SIGNATURE			-	-	-
REG. NUMBER	XXXXX				
TITLE					
SCALE :	XX				

TRANSNET NATIONAL PORTS AUTHORITY					
TITLE	NAME	SIGN	DATE		
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CHECKED	PM			19	09 25
DESIGNED	ZD		pp	19	09 25
CHECKED	SS			19	09 25
PR.ENG. / PR.TECH./PR. ARCH					
NAME	SUDESH SIEWDAYAL		DATE		
SIGNATURE			27	07	26
REG. NUMBER	2000/07129				
TITLE					
PAPER SIZE :			A0		
TRANSNET DRG. NO.					

Transnet National Ports Authority

TRANSNET SOC Ltd : REG No. 1990/000900/30
237 MAHATMA GANDHI ROAD
POINT, DURBAN
4001
TEL: 000 000 0000

PROJECT / AREA / ASSET / SUBJECT/DRAWING TITLE

PORT OF DURBAN

REFURBISHMENT TO QUEENS WAREHOUSE
GROUND FLOOR
ELECTRICAL RECEPTION POWER LAYOUT

PROJECT DRG. NO. XDN.E.0037 - 1 - 100 - E - LA - 0002 - 01

REV. E