

CITY POWER CHAMBER				
SWITCH DESIGNATION	INCOMER 1	INCOMER 1	VT	CABLE BOX
MAIN SW RATING	800A	800A	-	-
CT RATIO	1800/600/5A	1800/600/5A	-	-
CT RATIO	A	18P/10	-	-
	B	0.5	0.5	-
	C	X	X	-
VT RATIO	-	-	1100/10	-
TYPE OF PROTECTION	OCDF	IMCOU P189	IMCOU P189	-
	DIFFERENTIAL	IMCOU P281	IMCOU P281	-
CABLE SIZE	185mm²	185mm²	185mm²	185mm²

CONSUMER CHAMBER				
SWITCH DESIGNATION	INCOMER 1	OUTGOING 1	OUTGOING 2	OUTGOING 4
MAIN SW RATING	800A	800A	-	-
CT RATIO	1800/600/5A	1800/600/5A	-	200/6A 200/6A
CT RATIO	A	18P/10	18P/10	10P/10 10P/10
	B	0.5	0.5	- 0.5
	C	X	X	-
VT RATIO	-	1100/10	-	-
TYPE OF PROTECTION	OCDF	-	COB	IMCOU P181 IMCOU P181
	DIFFERENTIAL	-	-	-
CABLE SIZE	185mm²	50mm²	50mm²	70mm² 70mm²

APPROVAL

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ELECTRICAL LEGEND

⊙

GENERATOR

⊕

FUSED SWITCH

⌋

CIRCUIT BREAKER

⌋

ISOLATOR

⊕

VOLTMETER

⊕

AMMETER

⊕

ENERGY METER

⊕

FUSE

⊕

EARTH LEAKAGE UNIT

⊕

4-SURGE ARRESTORS

OPERATIONS MANAGER

TELECOMMUNICATIONS MANAGER

SCADA MANAGER

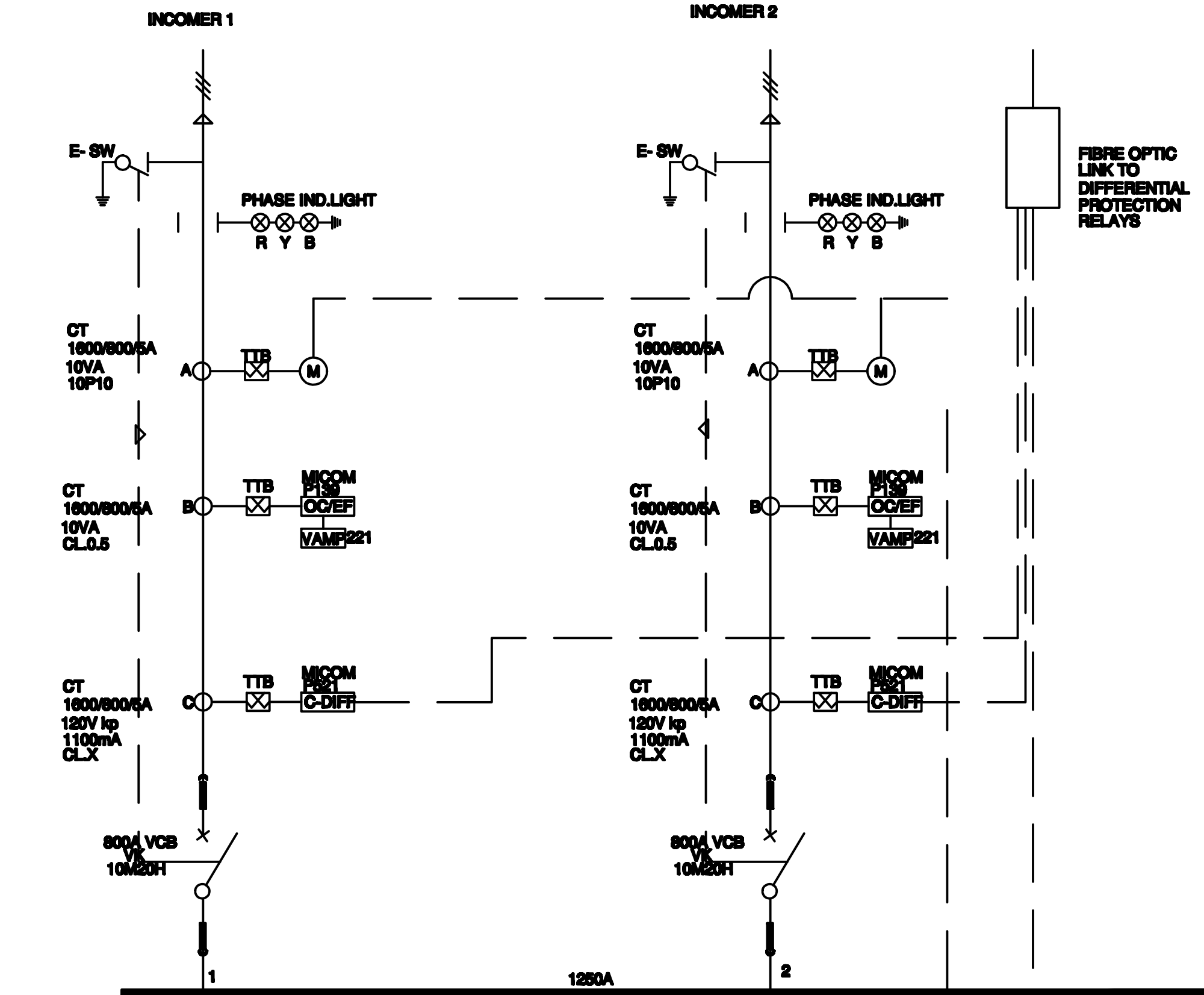
PROTECTION MANAGER

TECHNOLOGY OIG MANAGER

NETWORK PLANNING MANAGER

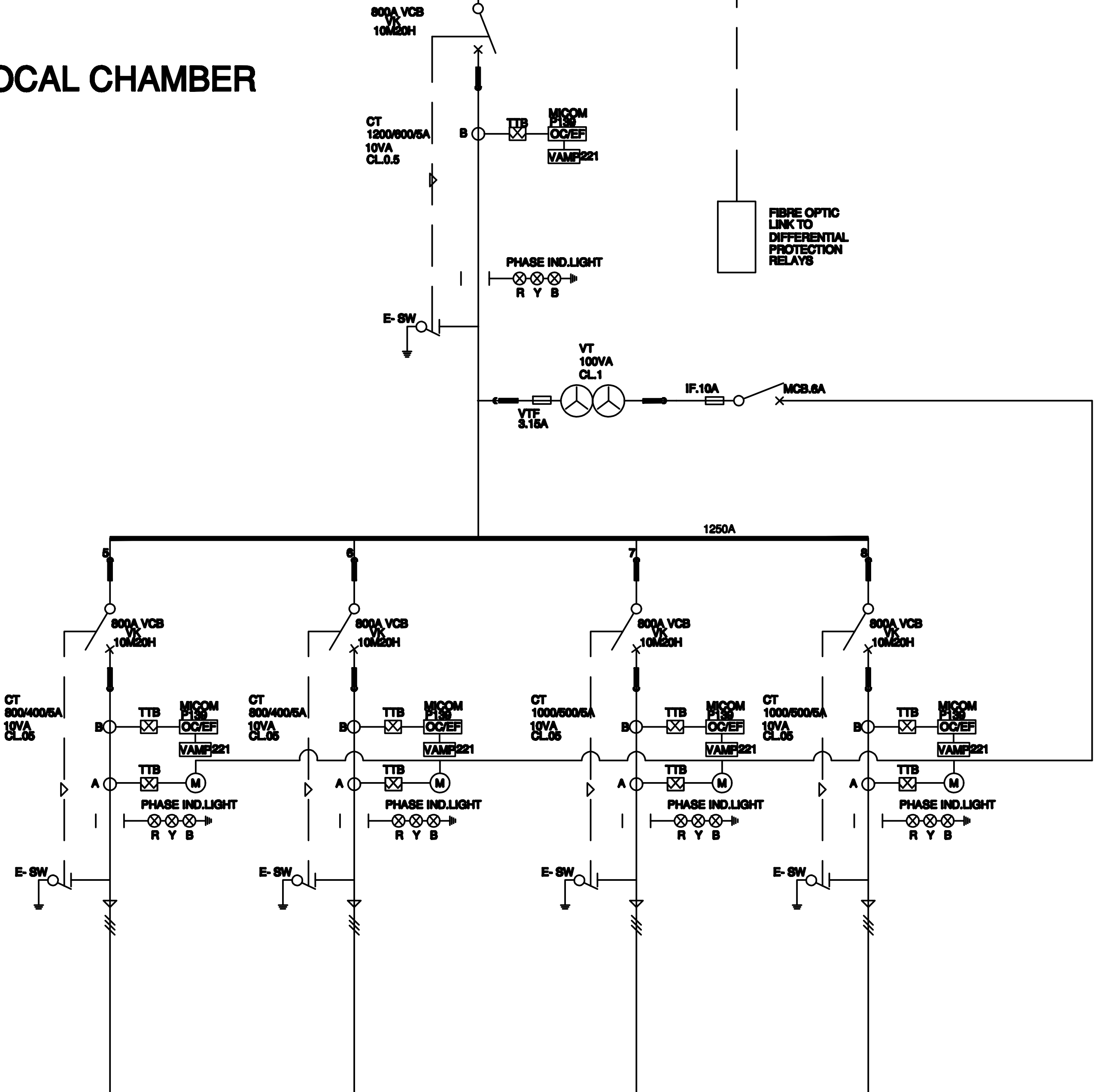
ELECTRICAL CONSULTANT

SUPPLY AVAILABILITY MANAGER



CITY CHAMBER

LOCAL CHAMBER



EXISTING RING

NEW RING

UNIVERSITY OF JOHANNESBURG

PROPOSED NEW DEVELOPMENT FOR THE SOMETO CAMPUS OF THE UNIVERSITY OF JOHANNESBURG

PROJECT

CITY POWER MV PANELS - PROTECTION SCHEME SCHEMATIC LAYOUT

DRAWING

CONSTRUCTION

DESIGNED

17-03-2010

DRAWN

17-03-2010

CHECKED

17-03-2010

APPROVED

17-03-2010

SCALE

1:1

PROJECT NO.

080365

REV.

E 347

DATE

17-03-2010

PROJECT NO.

080365

REV.

E 347

DATE

17-03-2010

PDNA

PDNA PROJECTS & ASSOCIATES

2010-2011

2012-2013

2014-2015

2016-2017

2018-2019

2020-2021

2022-2023

2024-2025

2026-2027

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