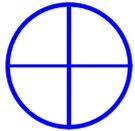


# SAFARICOM FTTx

## ROLLOUT PROJECT FY\_2024\_2025 Quavatel\_FTTx Densification\_2024-2025\_Isiolo FDT 3 (Isiolo Cluster Densification)

EP	MDUs	MDU -U/C	SDUs	SDU-UC	Business	TOTAL
0	57	0	0	0	63	120



KPLC POLE



Existing SFC Pole



144 ADSS Core OFC

SFC\_ISIOLO

3



96 ADSS Core OFC



24Port FAT



48 ADSS Core OFC



24 ADSS Core OFC

A ————— A Drawing connect



HP Count

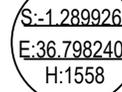


Compass

XXm



OFC Loop (XXm is the OFC reservation length)



GPS COORDINATES



OFC joint closure 48( X-X is joint code)



OFC joint closure 144( X-X is joint code)



New SFC Pole

SFC\_ISIOLO  
03



12Port FAT

SAFARICOM LIMITED		QUAVATEL LIMITED		PROJECT NAME :		DRAWING NAME :	
APPROVED BY		CHECKED BY		Quavatel_FTTx Densification_2024-2025_Isiolo FDT 3 (Isiolo Cluster Densification)		Quavatel_FTTx Densification_2024-2025_Isiolo FDT 3 (Isiolo Cluster Densification)	
DATE		DATE		DESIGN MANAGER:	Drawing BY:	DATE:	SCALE:
				Hudson	Omisso Mokuia	22/01/2025	N/A
				Drawing No.			VERSION
							Design-V1.0

## Risks

1. Risk of falling from height while working on pole.
2. Electric shock from Transformer or Low sagging electrical lines.
3. Vehicle accident since due to working along the road.
4. Falling from Rotten or leaning kplc or unstable poles.

### Medical centre

Isiolo Manyata Hospital

### Police Station

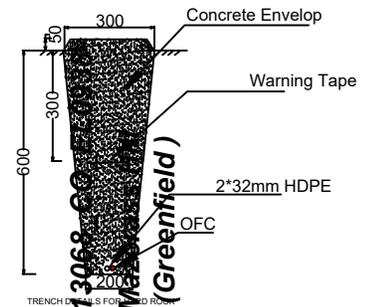
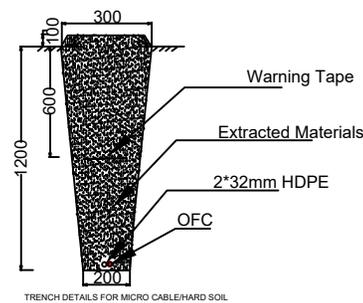
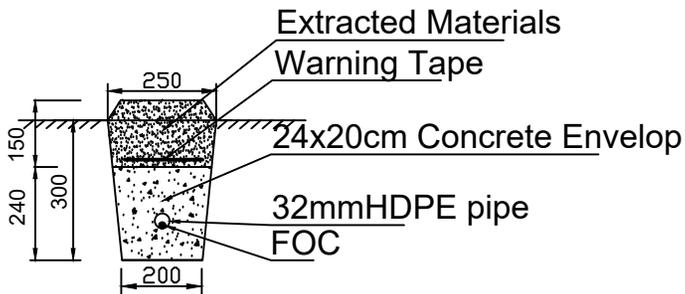
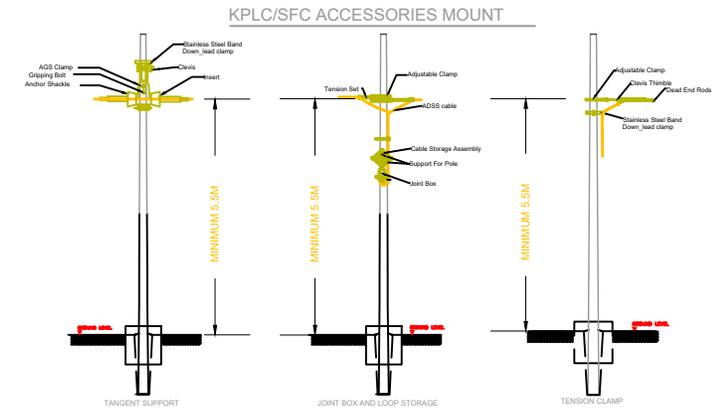
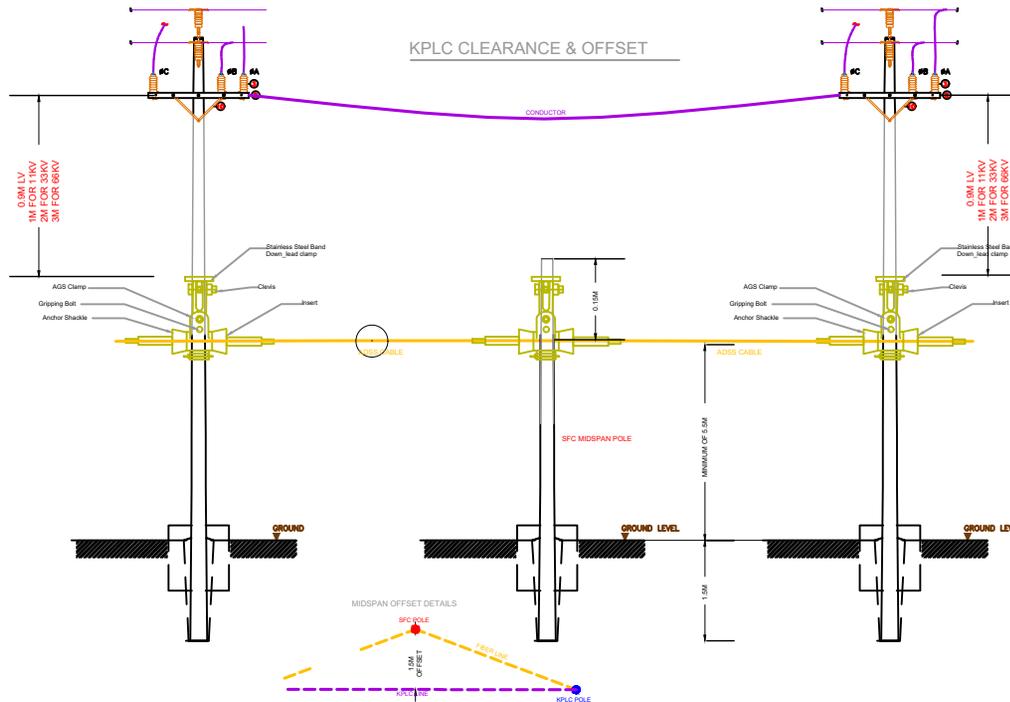
Isiolo Police Station

## Safety Measures

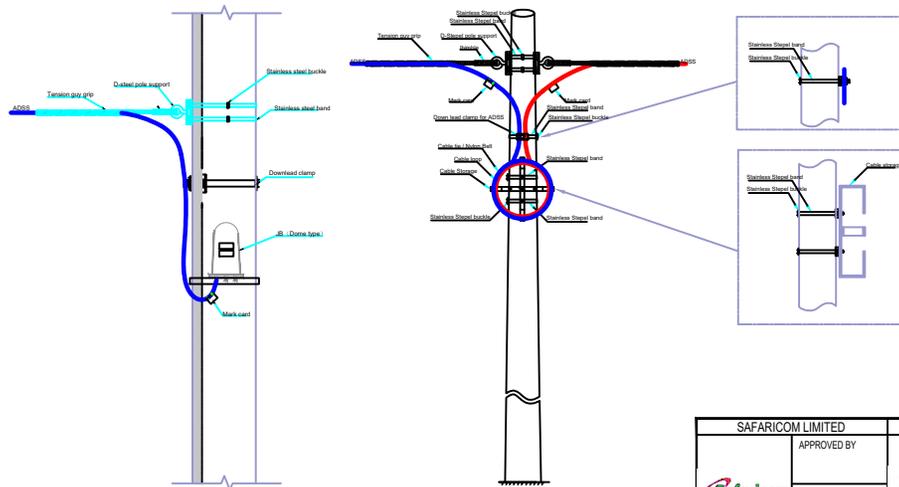
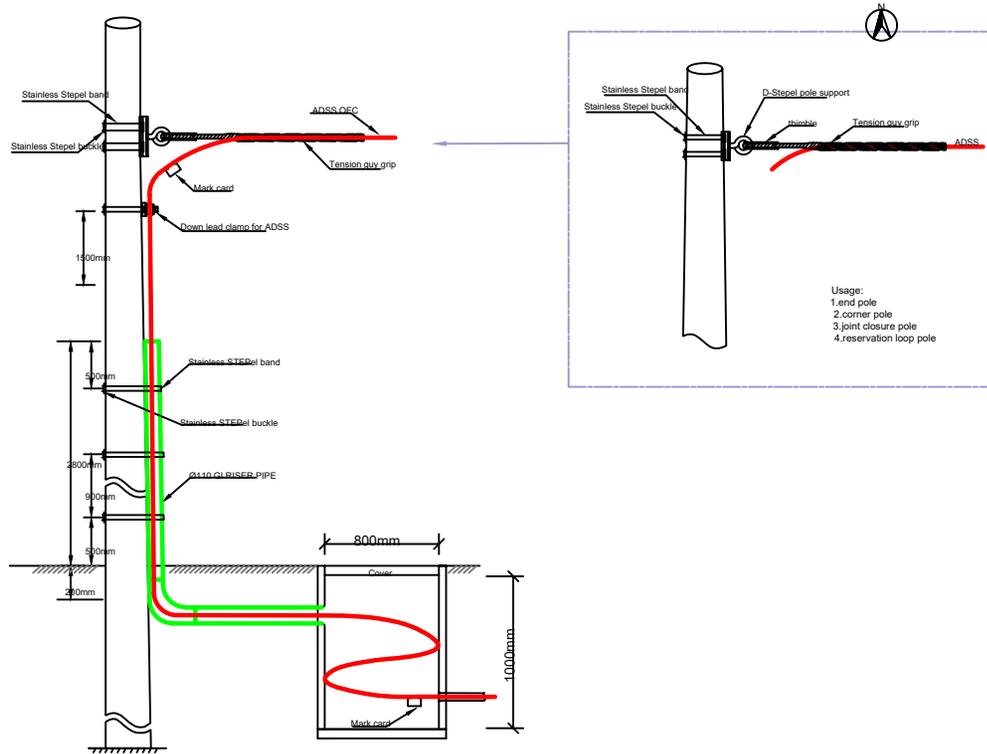
1. Competent technician & supervisors to be deployed.
2. Use appropriate PPE'S i.e Helmets,safety boots,reflectors and harness for the personnel conducting the work.
3. Proper barricading, use sinage posters and warning cones for traffic control
4. Site files to be filled before commencement of work and communicate all relevant information for documentation
5. Maintain safe distance from Electrical lines while working on electrical poles.
6. Technician should secure themselves with a harness when working at height.
7. Proposed poles to be introduced at transformers, in place of rotten poles and opposite side of the road to avoid Low sagging Electrical lines.

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APPROVED BY		CHECKED BY		Quavatel_FTTx Densification_2024-2025_Isiolo FDT 3 (Isiolo Cluster Densification)		Quavatel_FTTx Densification_2024-2025_Isiolo FDT 3 (Isiolo Cluster Densification)	
DATE		DATE		DESIGN MANAGER	Drawing BY	DATE	SCALE
				Hudson	Orriso Mokuu	22/01/2025	N/A
				Drawing No.		VERSION	
						Design-V1.0	

# Technical Details



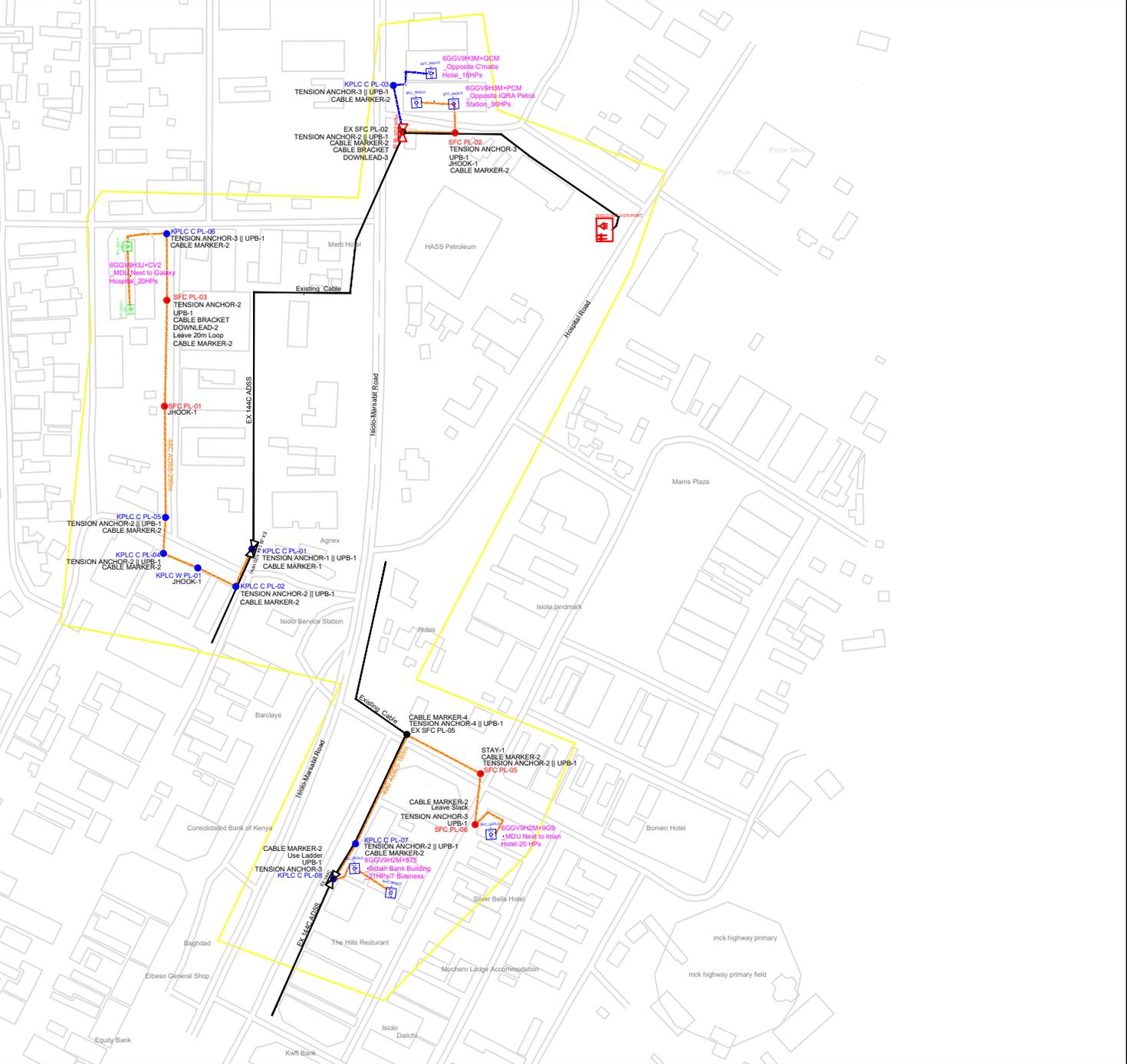
SAFARICOM LIMITED		QUAVATEL LIMITED		PROJECT NAME :		DRAWING NAME :	
APPROVED BY		CHECKED BY		Quavatel_FTTx Densification_2024-2025_Isiolo FDT 3 (Isiolo Cluster Densification)		Quavatel_FTTx Densification_2024-2025_Isiolo FDT 3 (Isiolo Cluster Densification)	
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				Hudson	Oriso Mokuia	22/01/2025	N/A
				Version			Design-V1.0



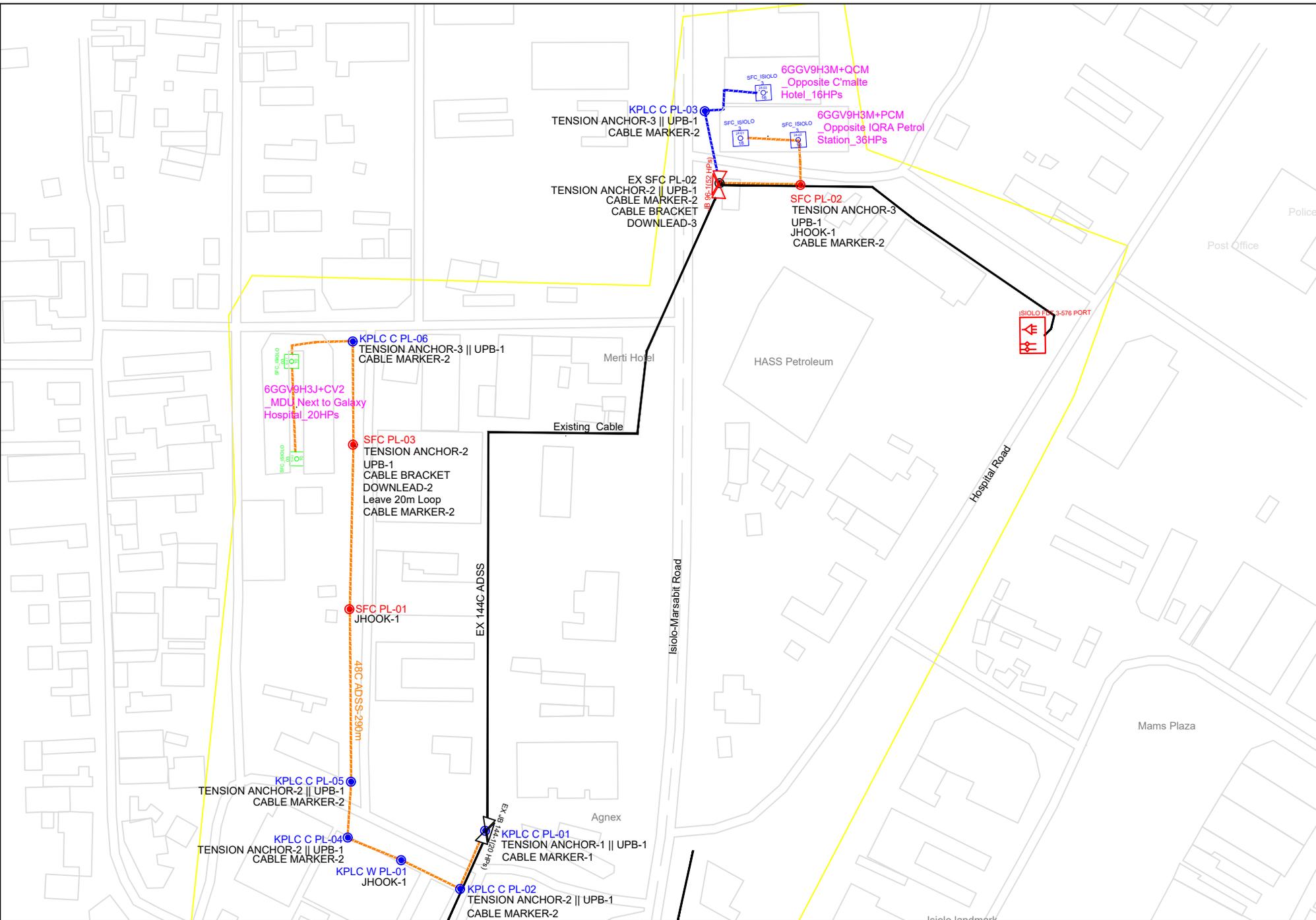
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APPROVED BY	DATE	CHECKED BY	DATE	Quavatel_FTTx Densification_2024-2025_Isiolo FDT 3 (Isiolo Cluster Densification)		Quavatel_FTTx Densification_2024-2025_Isiolo FDT 3 (Isiolo Cluster Densification)	
				DESIGN MANAGER:	Drawing BY:	DATE:	SCALE:
				Hudson	Omoso Mokuia	22/01/2025	N/A
				Version	Design-V1.0		



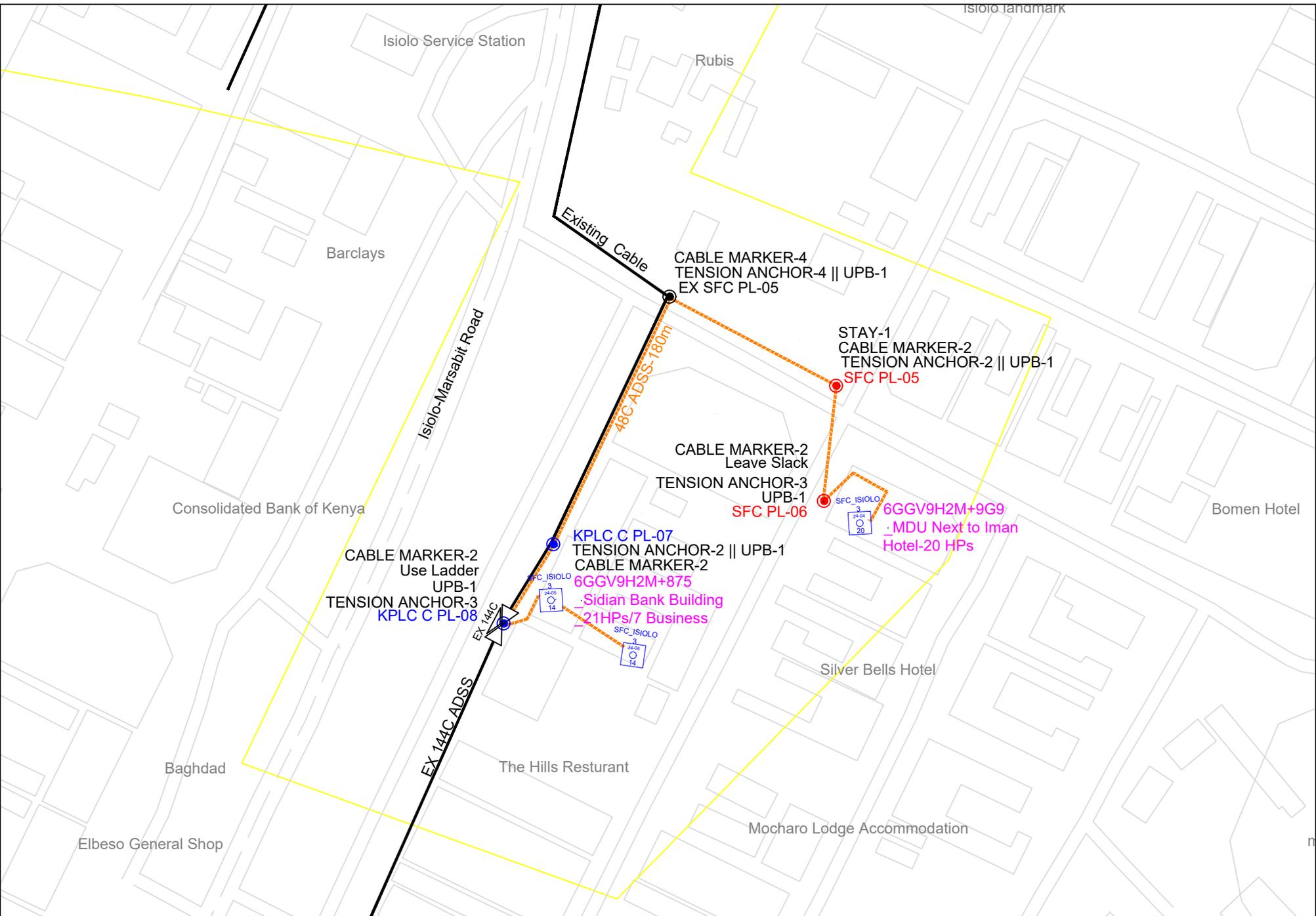
SUMMARY WORKLOAD							
Quavate! FTTx Denatification_2024-2025_Isiolo FDT 3 (Isiolo Cluster Denatification)							
NO	ITEMS	UNIT	QTY	NO	ITEMS	UNIT	QTY
1	Erection of Safaricom pole	pcs	5	18	Splitters	core	2
5	Installation of 144 core ADSS	m	0	19	Installation of 12 core FAT	pcs	2
6	Installation of 96 core ADSS	m	0	20	Installation of 24 core FAT	pcs	6
7	Installation of 48 core ADSS	m	620	21	Installation of 288 CORE FDT	pcs	0
8	Installation of 24 core ADSS	m	150	22	plastic trunking	m	150
9	Installation of 12 core ADSS	m	0	23	Fiber Termination Box 12c	pcs	0
10	Installation of 144 core Micro	m	0	24	Fiber Termination Box 48c	pcs	0
11	UPB	pcs	14	25	Fiber Termination Box 96c	pcs	1
12	Manhole	m	0	26	Fiber Termination Box 144c	pcs	0
13	New Units	NH	120	27	Stay Pole support	pcs	1
14	Down-lead clamp	pcs	5	28	Flex Pipe	pcs	40
15	Cable Bracket	pcs	2	29	32mm HDPE duct	m	0
16	Cable markers	pcs	29	30	J-hooks	pcs	3
17	Tension Clamp	pcs	34	31	Survey Route	m	483



SAFARICOM LIMITED		QUAVATE! LIMITED		PROJECT NAME :		DRAWING NAME :	
APPROVED BY	DATE	CHECKED BY	DATE	Quavate! FTTx Denatification_2024-2025_Isiolo FDT 3 (Isiolo Cluster Denatification)		Quavate! FTTx Denatification_2024-2025_Isiolo FDT 3 (Isiolo Cluster Denatification)	
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				Hudson	Oriso Mokuu	22/01/2025	N/A
Version				DESIGN VERSION			
				Design-V1.0			

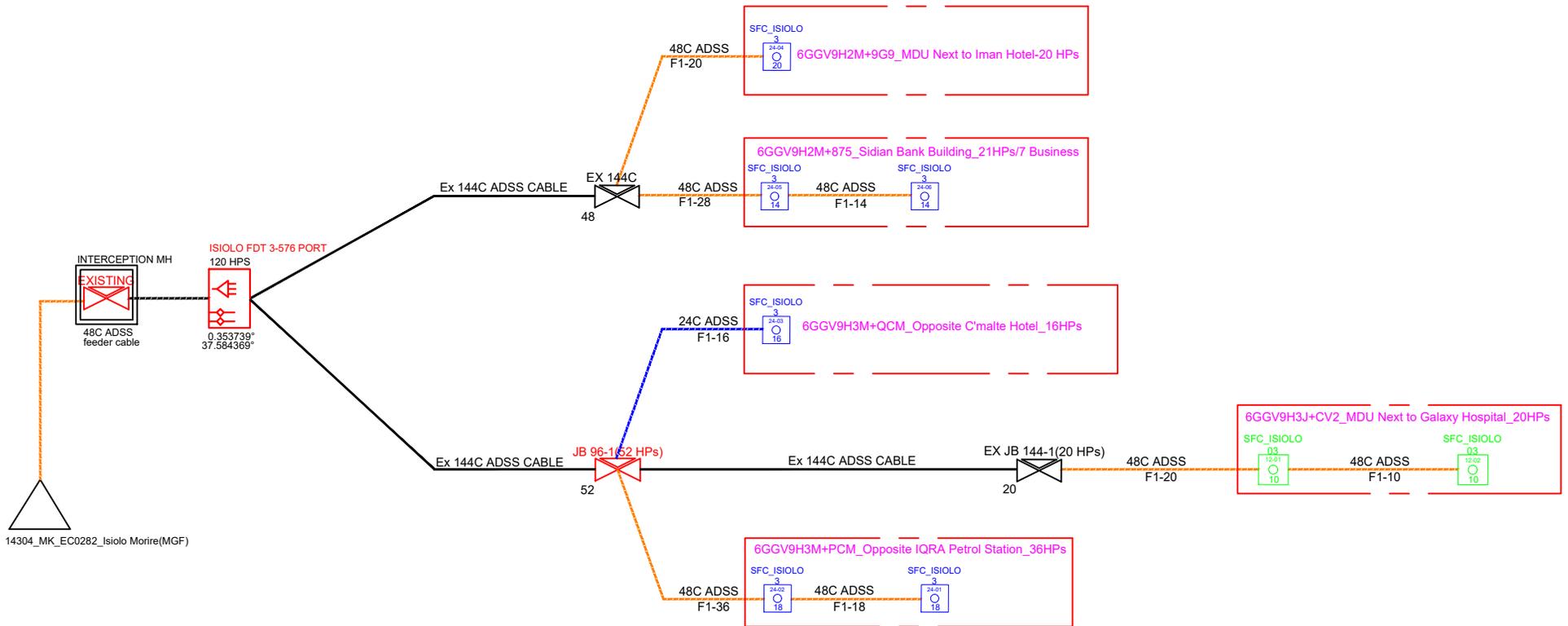


SAFARICOM LIMITED		QUAVATEL LIMITED		PROJECT NAME :		DRAWING NAME :	
APPROVED BY	CHECKED BY	Quavatel_FTtx		Quavatel_FTtx		Quavatel_FTtx	
DATE	DATE	Densification_2024-2025_Isiolo FDT 3 (Isiolo Cluster Densification)		Densification_2024-2025_Isiolo FDT 3 (Isiolo Cluster Densification)		Densification_2024-2025_Isiolo FDT 3 (Isiolo Cluster Densification)	
DESIGN MANAGER	Drawing BY:	DATE:	SCALE:	VERSION			
Hudson	Oriso Mokuu	22/01/2025	N/A	Design-V1.0			
Drawing No:							



SAFARICOM LIMITED		QUAVATEL LIMITED		PROJECT NAME :		DRAWING NAME :	
APPROVED BY		CHECKED BY		Quavatel_FTTx		Quavatel_FTTx	
				Densification_2024-2025_Isiolo FDT 3 (Isiolo Cluster Densification)		Densification_2024-2025_Isiolo FDT 3 (Isiolo Cluster Densification)	
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Drawing No:				VERSION			
				Design-V1.0			

# FIBER DISTRIBUTION DIAGRAM



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APPROVED BY		CHECKED BY		Quavatel_FTTx		Quavatel_FTTx	
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DESIGN MANAGER		DRAWING BY		DATE		SCALE	
Hudson		Oriso Mokuia		22/01/2025		N/A	
DRAWING No.						VERSION	
						Design-V1.0	