

# OPEN FIBRE FIBRE OPTIC INFRASTRUCTURE

## As-Built - Drakenstein Sentrum

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### Survey information

Surveyed by:	Tiaan du Toit	Company:	RSS Fibre	Date:	07/05/2021
Phone Number:	061 923 0612	Email Address:	tiaandutoit0@gmail.com		

### Project information

Contractor	RSS Fibre				
Project Manager	Tiaan du Toit	Phone Number:	061 923 0612		
Call out/Drop Team Leader:	Tiaan du Toit	Phone Number:	061 923 0612		

### SITE INFORMATION:

Area:	Cape Town	Building Name:	Drakenstein Sentrum
Site Address:	Corner of Wemmershoek Road and Lustigan Road	Suburb:	Brackenfell
Site Owner:	Openfibre	Centre Manager Contact:	TBC
Latitude:	-33.764583°	Longitude:	18.984813°
Number of Floors:	1	Number of Connections:	32



### Cable Requirements:

Entry Duct	2 way 12/10 mm		4 way 12/10 mm		7 way 12/10 mm	
Feeder Fibre:	12F	24F	48F	72F	96F	144F
Feeder Duct:	2 way 12/10 mm		4 way 12/10 mm		7 way 12/10 mm	
Drop Duct:	2 way 8/5 mm	4 way 8/5 mm	7 way 8/5 mm	12 way 12/10 mm		
MMR Power:	AC Plug point available			Power Plant Required		

### Notes:

- 42U Cabinet to be installed.
- 2 Way 12/10 Duct installed.
- 24F Fibre Cable installed inside 2 Way 12/10 Duct.
- 2 Core Boxes installed on site as indicated on As-Built.
- 3 Access Boxes installed on site as indicated on As-Built.
- Ducts saddled on cable trays inside ceiling area.
- Drop Cables installed on cable trays from their provisioned Access Box towards the shop.



### INSTALLATION APPROVAL

Name:	.....	Name:	.....
Date:	.....	Date:	.....
Signature	.....	Signature	.....



Project No:	Rev:	Date:	Page
RSS-OPF-0023	000	29/10/2021	1 of 8



Hereby I confirm that this Installation Plan is approved for installation and that the installation can continue accordingly with the installation dates indicated prior to installation start date.



491m

- Trenched 1000mm deep for 110m.
- Horizontal Directional Drill for 41m.
- Hauled duct in existing 110mm sleeve for 340m.

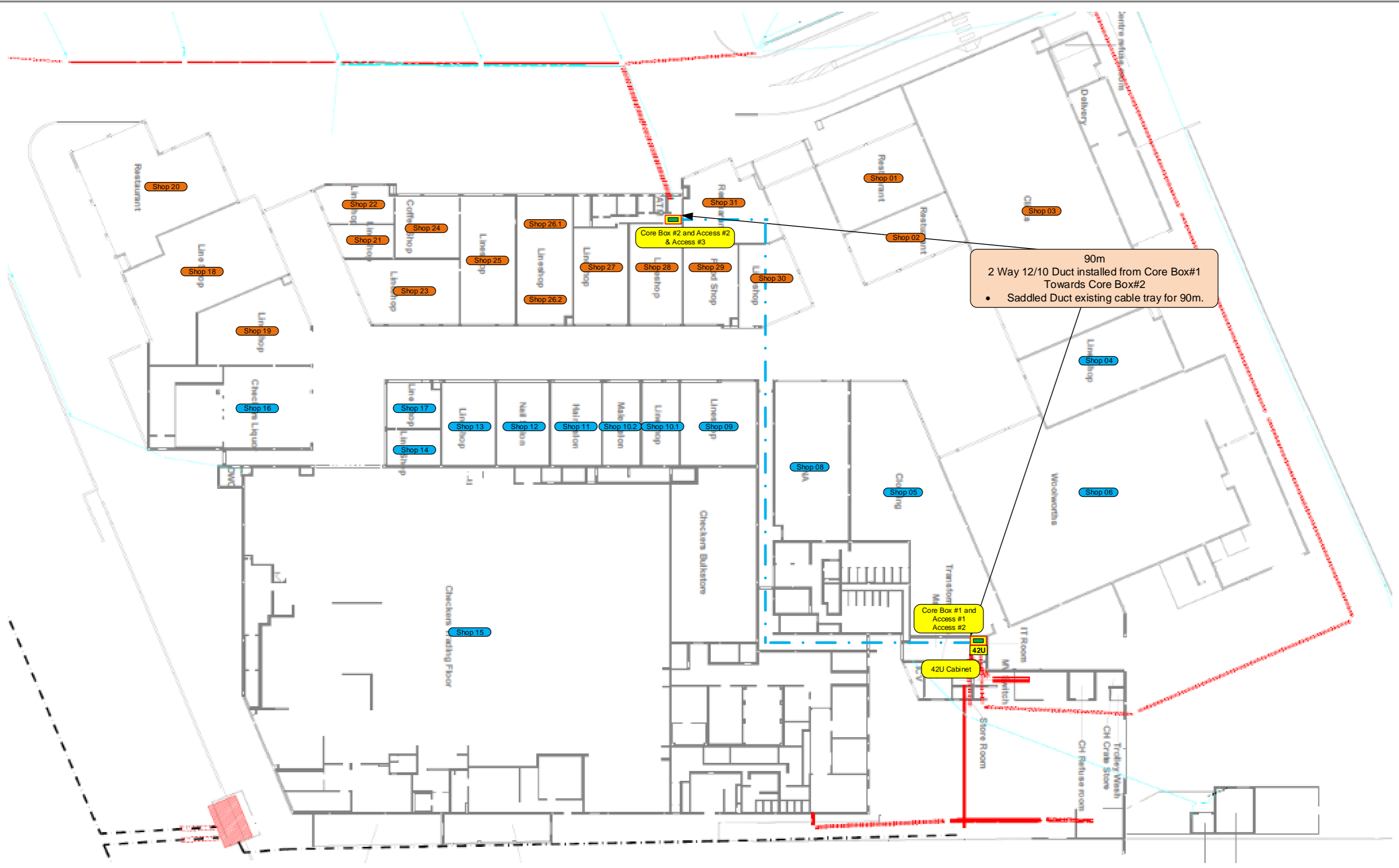
Colour Legend

	Installed 42U Cabinet		Existing 2 Way 12/10		4F Drop Cable Route				
	Installed Core Box		Existing 2 Way 12/10 + 24F						
	Installed Access Box		24F Micro Cable						



<b>Project No:</b>	<b>Rev:</b>	<b>Date:</b>
RSS-OPF-0023	000	29/10/2021

# Ducting Overview ISP



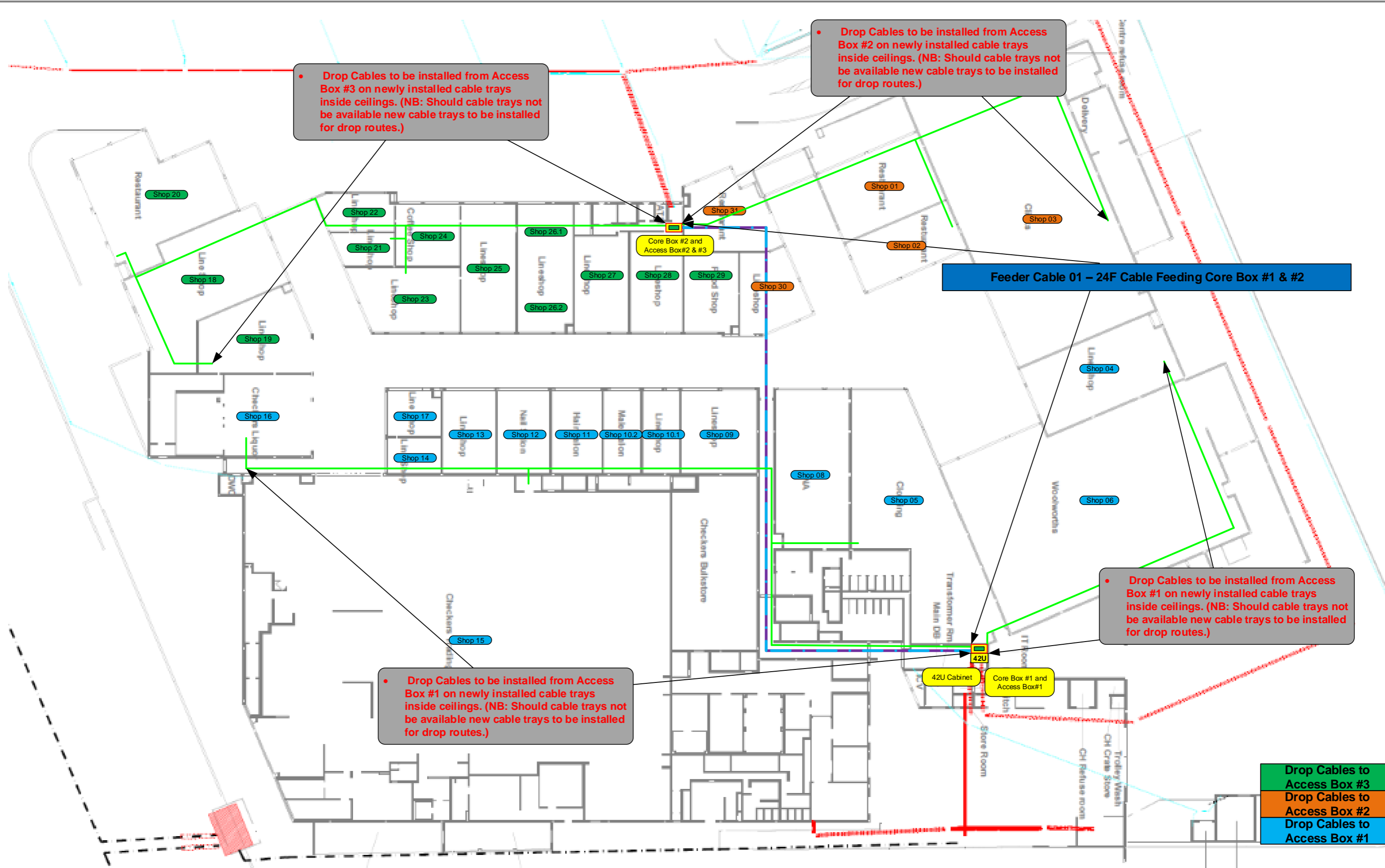
### Colour Legend

	Installed 42U Cabinet		Existing 2 Way 12/10
	Installed Core Box		Existing 2 Way 12/10 + 24F
	Installed Access Box		24F Micro Cable
			4F Drop Cable Route



Project No:	Rev:	Date:	
RSS-OPF-0023	000	29/10/2021	

# Ducting and Fibre Overview



Drop Cables to Access Box #3
Drop Cables to Access Box #2
Drop Cables to Access Box #1

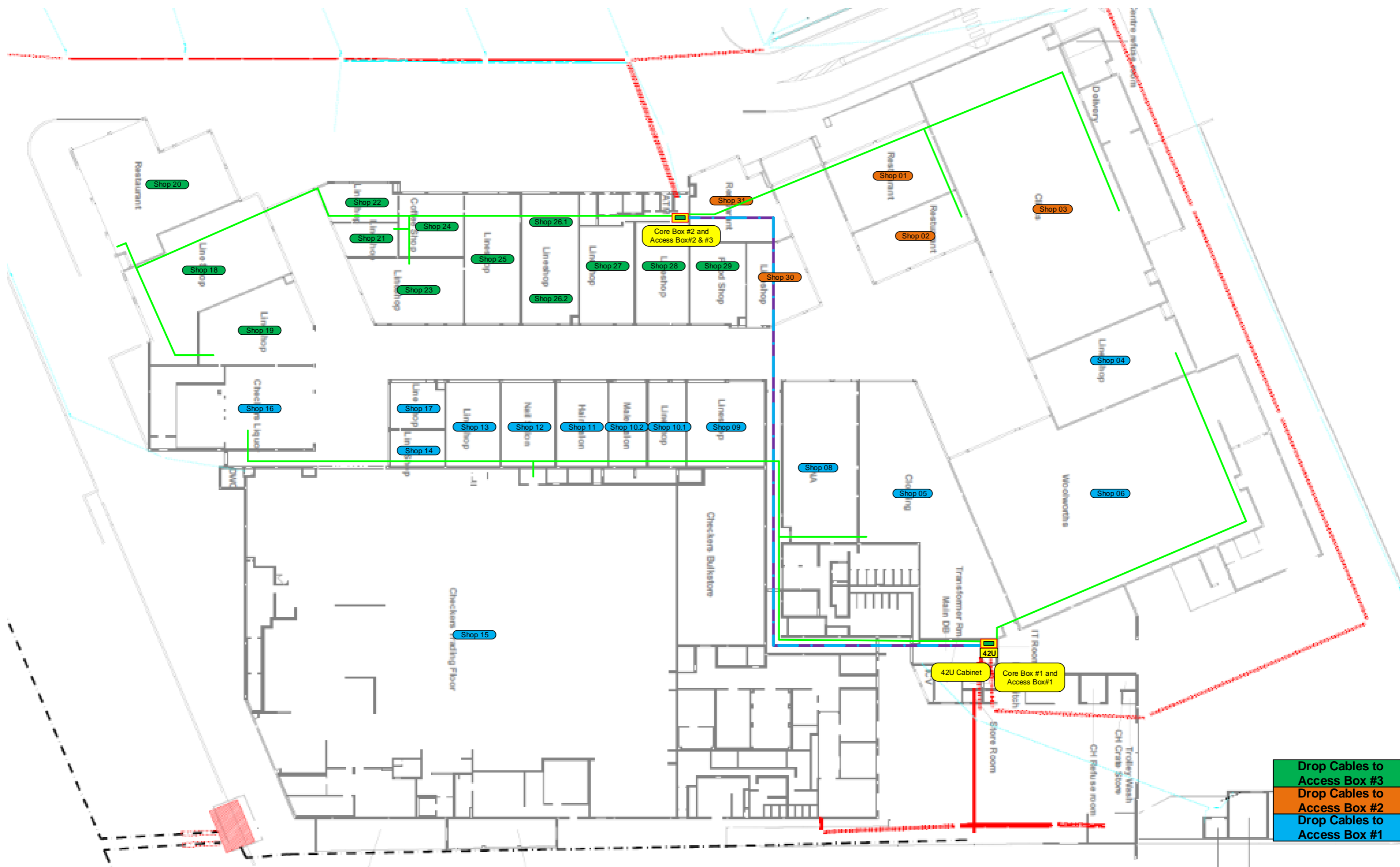
### Colour Legend

<span style="background-color: yellow; border: 1px solid black; padding: 2px;">42U</span> Installed 42U Cabinet	<span style="color: blue;">—</span> Existing 2 Way 12/10	<span style="color: green;">—</span> 4F Drop Cable Route
<span style="background-color: yellow; border: 1px solid black; padding: 2px;">Core Box</span> Installed Core Box	<span style="color: blue;">—</span> Existing 2 Way 12/10 + 24F	
<span style="background-color: green; border: 1px solid black; padding: 2px;">Access Box</span> Installed Access Box	<span style="color: purple;">—</span> 24F Micro Cable	



<b>Project No:</b>	<b>Rev:</b>	<b>Date:</b>
RSS-OPF-0023	000	29/10/2021

# Shop Overview



Drop Cables to Access Box #3  
 Drop Cables to Access Box #2  
 Drop Cables to Access Box #1

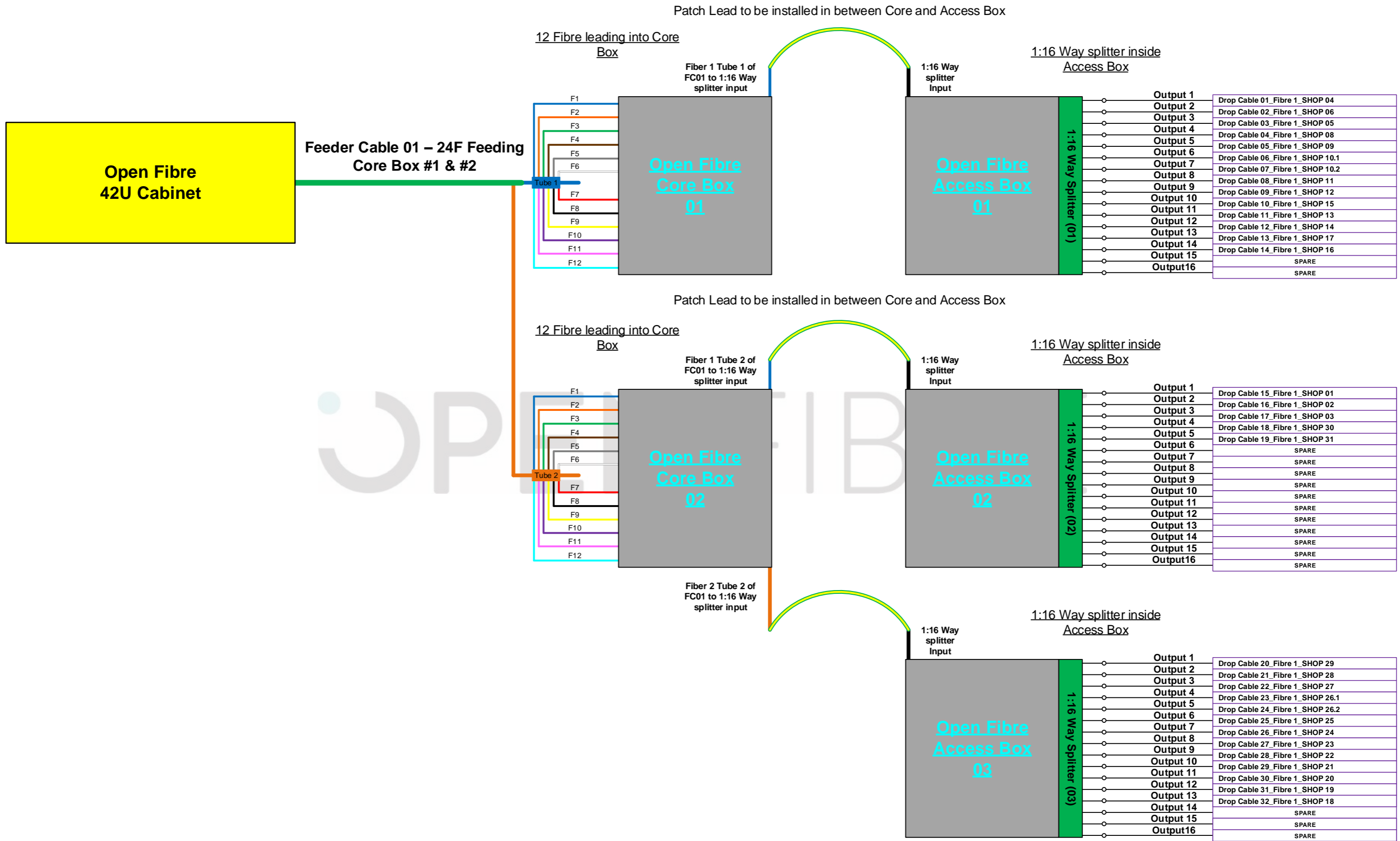
### Colour Legend

42U	Installed 42U Cabinet		Existing 2 Way 12/10		4F Drop Cable Route
	Installed Core Box		Existing 2 Way 12/10 + 24F		
	Installed Access Box		24F Micro Cable		



<b>Project No:</b>	<b>Rev:</b>	<b>Date:</b>
RSS-OPF-0023	000	29/10/2021

## Splicing diagram: Feeder Cable 01



Output	Drop Cable
Output 1	Drop Cable 01_Fibre 1_SHOP 04
Output 2	Drop Cable 02_Fibre 1_SHOP 06
Output 3	Drop Cable 03_Fibre 1_SHOP 05
Output 4	Drop Cable 04_Fibre 1_SHOP 08
Output 5	Drop Cable 05_Fibre 1_SHOP 09
Output 6	Drop Cable 06_Fibre 1_SHOP 10.1
Output 7	Drop Cable 07_Fibre 1_SHOP 10.2
Output 8	Drop Cable 08_Fibre 1_SHOP 11
Output 9	Drop Cable 09_Fibre 1_SHOP 12
Output 10	Drop Cable 10_Fibre 1_SHOP 15
Output 11	Drop Cable 11_Fibre 1_SHOP 13
Output 12	Drop Cable 12_Fibre 1_SHOP 14
Output 13	Drop Cable 13_Fibre 1_SHOP 17
Output 14	Drop Cable 14_Fibre 1_SHOP 16
Output 15	SPARE
Output 16	SPARE

Output	Drop Cable
Output 1	Drop Cable 15_Fibre 1_SHOP 01
Output 2	Drop Cable 16_Fibre 1_SHOP 02
Output 3	Drop Cable 17_Fibre 1_SHOP 03
Output 4	Drop Cable 18_Fibre 1_SHOP 30
Output 5	Drop Cable 19_Fibre 1_SHOP 31
Output 6	SPARE
Output 7	SPARE
Output 8	SPARE
Output 9	SPARE
Output 10	SPARE
Output 11	SPARE
Output 12	SPARE
Output 13	SPARE
Output 14	SPARE
Output 15	SPARE
Output 16	SPARE

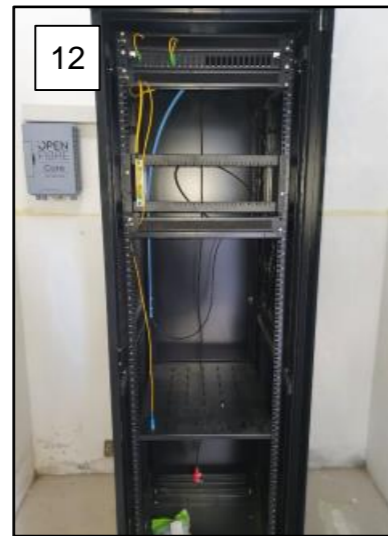
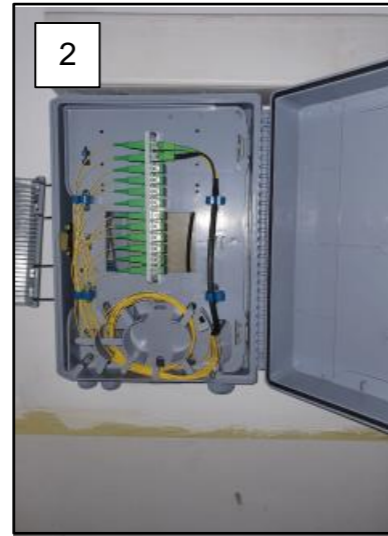
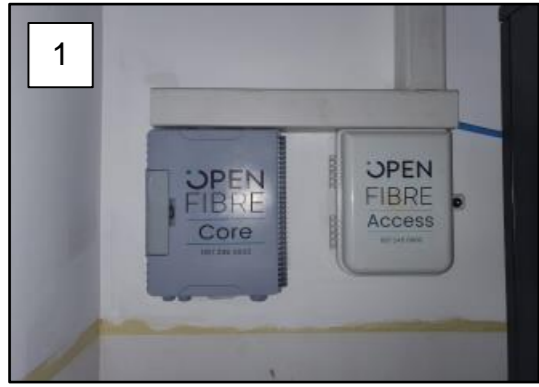
Output	Drop Cable
Output 1	Drop Cable 20_Fibre 1_SHOP 29
Output 2	Drop Cable 21_Fibre 1_SHOP 28
Output 3	Drop Cable 22_Fibre 1_SHOP 27
Output 4	Drop Cable 23_Fibre 1_SHOP 26.1
Output 5	Drop Cable 24_Fibre 1_SHOP 26.2
Output 6	Drop Cable 25_Fibre 1_SHOP 25
Output 7	Drop Cable 26_Fibre 1_SHOP 24
Output 8	Drop Cable 27_Fibre 1_SHOP 23
Output 9	Drop Cable 28_Fibre 1_SHOP 22
Output 10	Drop Cable 29_Fibre 1_SHOP 21
Output 11	Drop Cable 30_Fibre 1_SHOP 20
Output 12	Drop Cable 31_Fibre 1_SHOP 19
Output 13	Drop Cable 32_Fibre 1_SHOP 18
Output 14	SPARE
Output 15	SPARE
Output 16	SPARE

### Colour Legend








<span style="background-color: yellow; border: 1px solid black; display: inline-block; width: 10px; height: 10px;"></span>	Installed 42U Cabinet	<span style="color: blue; font-size: 2px;">•</span>	Existing 2 Way 12/10	<span style="border-bottom: 2px solid green; width: 20px; display: inline-block;"></span>	4F Drop Cable Route
<span style="background-color: yellow; border: 1px solid black; display: inline-block; width: 10px; height: 10px;"></span>	Installed Core Box	<span style="color: blue; font-size: 2px;">•</span>	Existing 2 Way 12/10 + 24F		
<span style="background-color: yellow; border: 1px solid black; display: inline-block; width: 10px; height: 10px;"></span>	Installed Access Box	<span style="color: blue; font-size: 2px;">•</span>	24F Micro Cable		



Photo Overview ISP



Colour Legend

	Installed 42U Cabinet		Existing 2 Way 12/10		4F Drop Cable Route					
	Installed Core Box		Existing 2 Way 12/10 + 24F							
	Installed Access Box		24F Micro Cable							










Project No:	Rev:	Date:	Page 7 of 8
RSS-OPF-0023	000	29/10/2021	

## Photo Overview OSP



### Colour Legend

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	Installed Core Box		Existing 2 Way 12/10 + 24F							
	Installed Access Box		24F Micro Cable							



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RSS-OPF-0023	000	29/10/2021