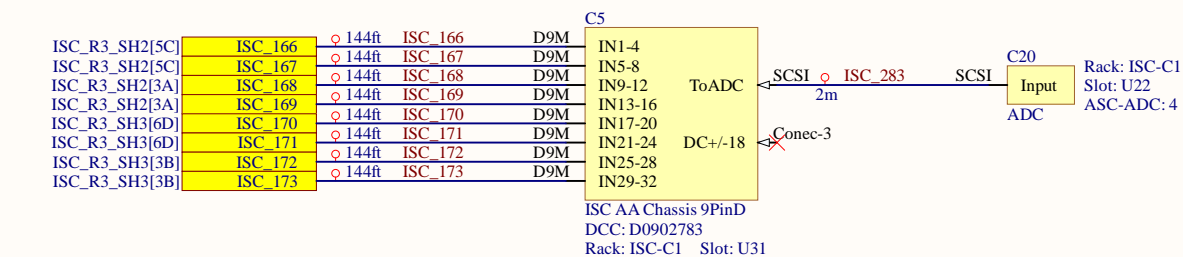
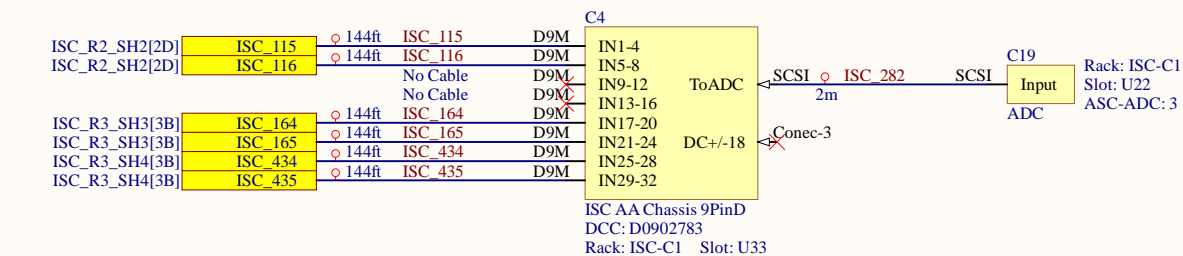
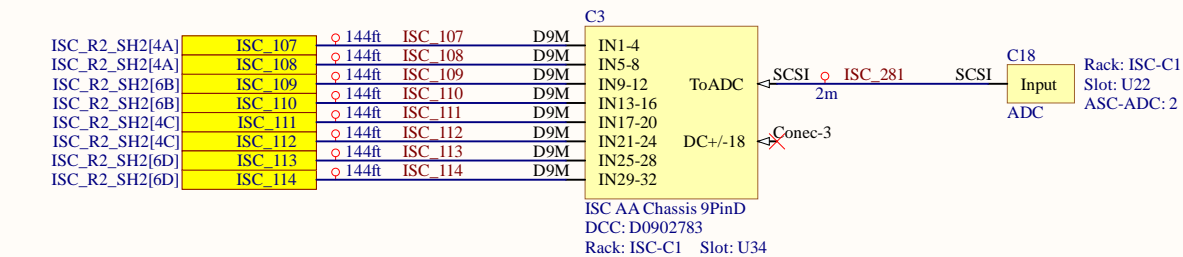
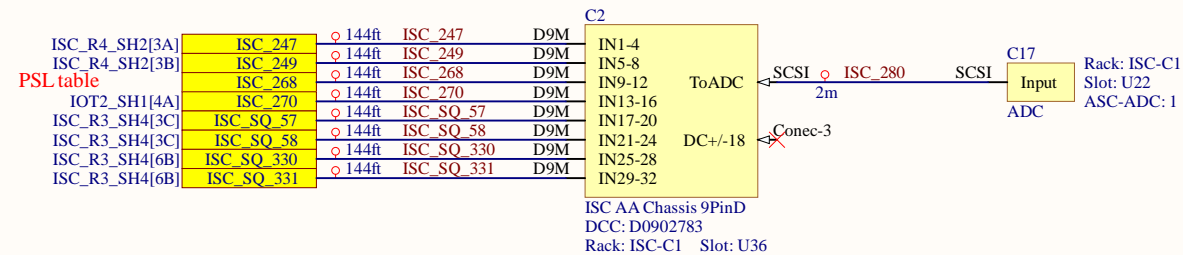
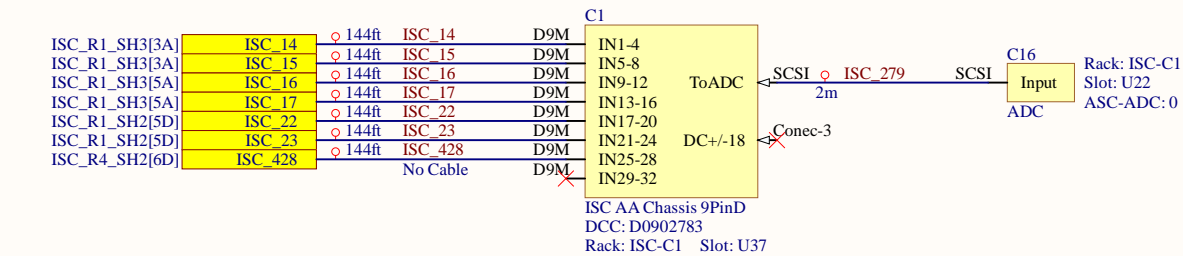
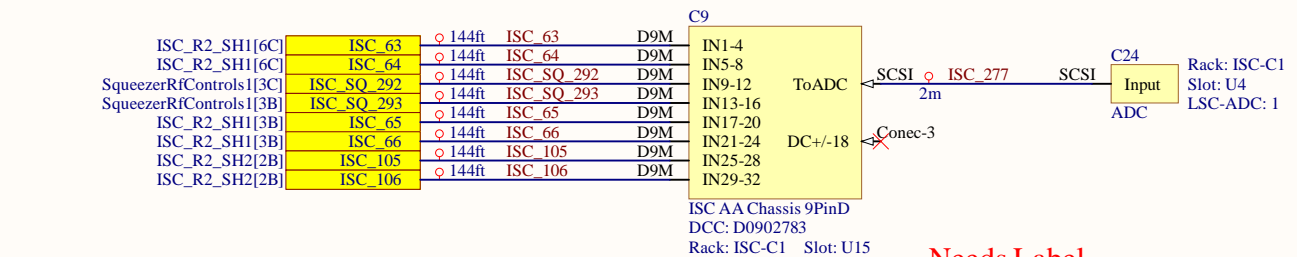
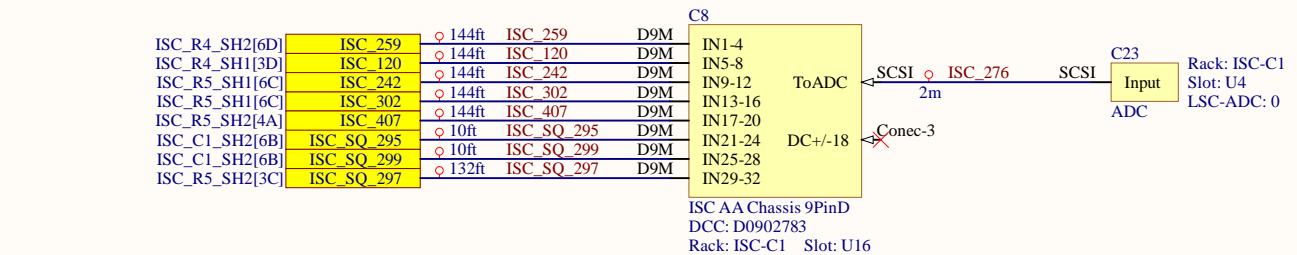
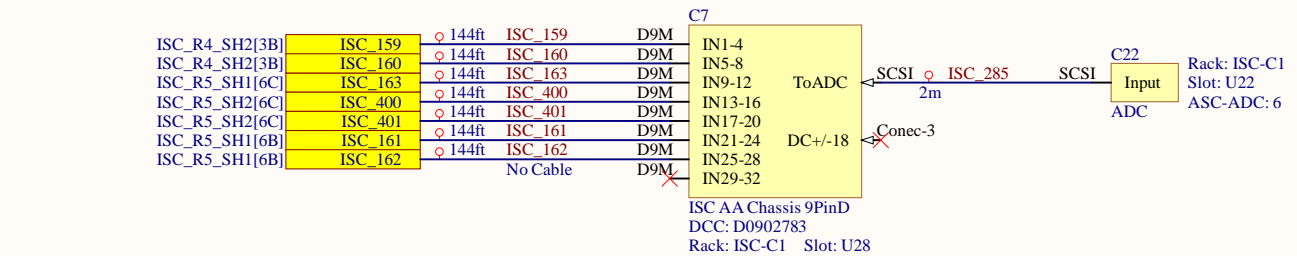
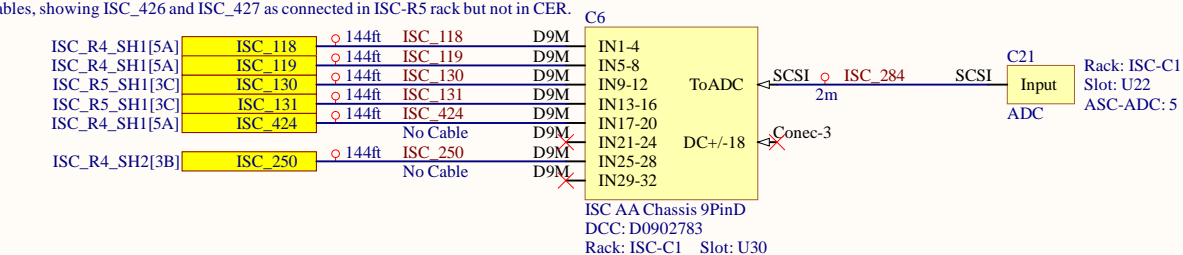


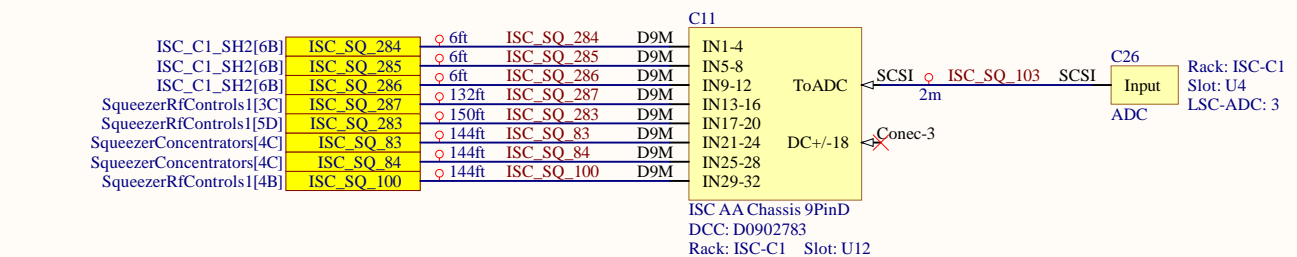
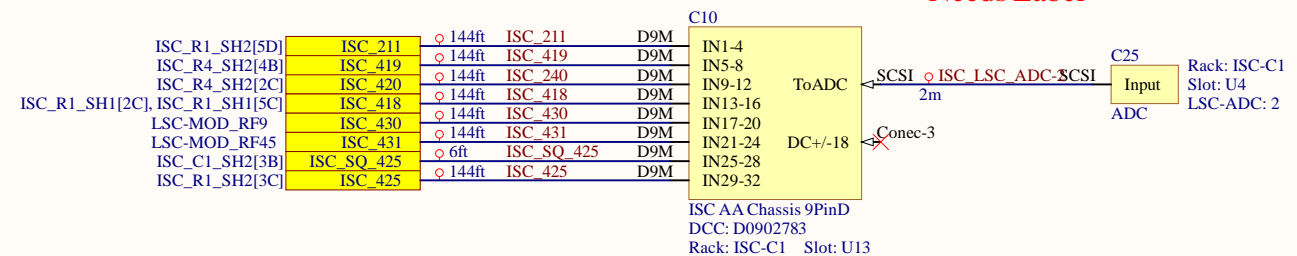
ISC-C1 Rack



Reverify cables, showing ISC_426 and ISC_427 as connected in ISC-R5 rack but not in CER.



Needs Label

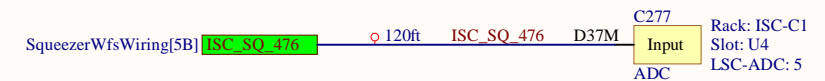
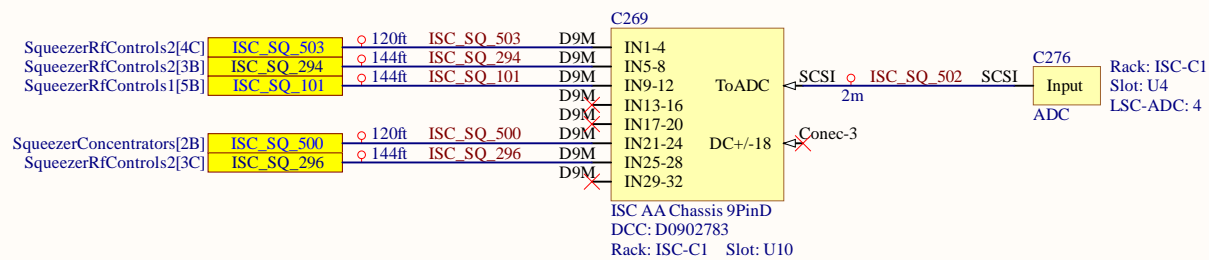
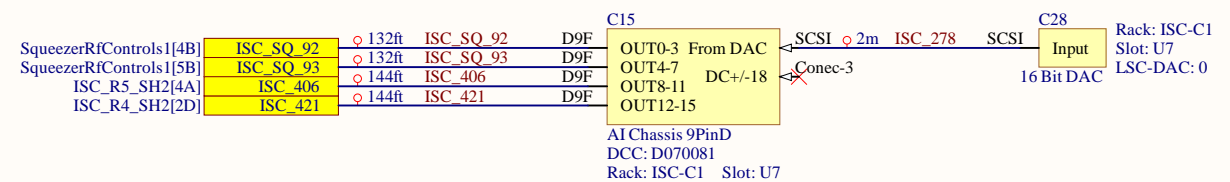
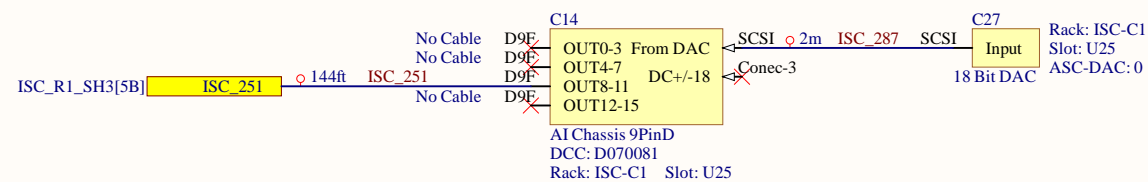
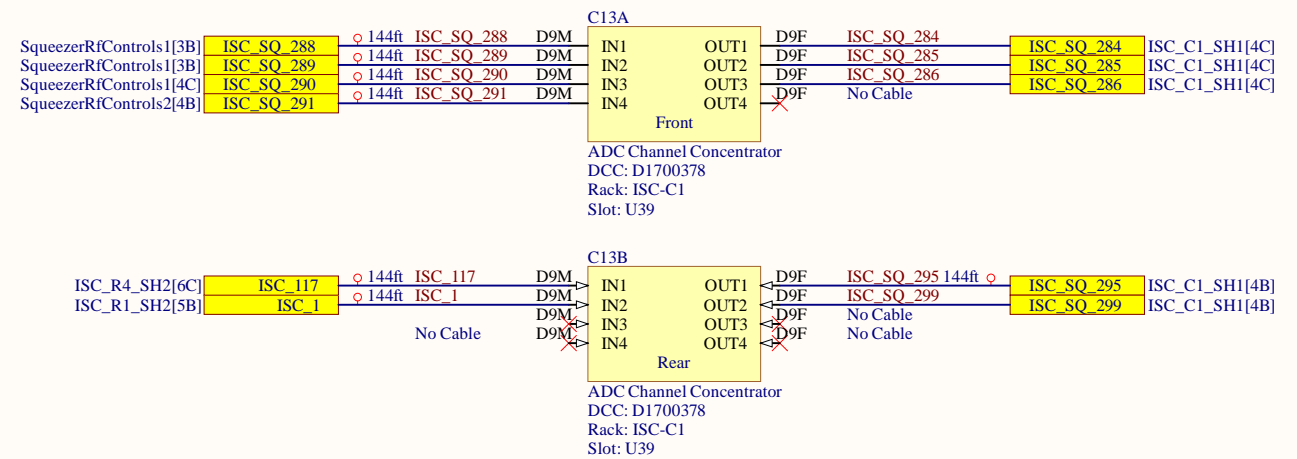
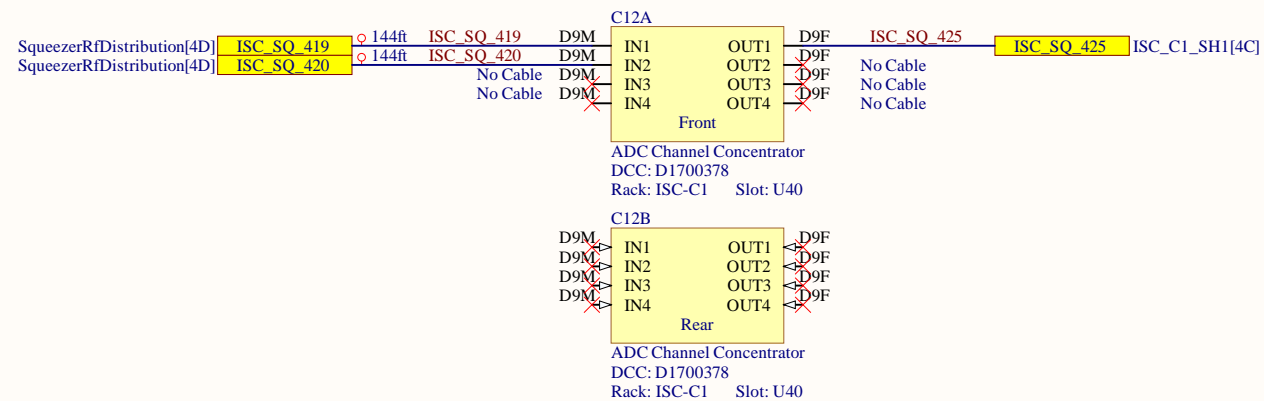


Following cables are not connected in the CER:

ISC_101,ISC_175,ISC_242, ISC_410, ISC_426,
and ISC 427

Title			ISC System Wiring Diagram		
Size	Number	Revision			
B	D1900511	V7			
Date:	5/11/2022	Sheet of	1	38	
File:	C:\Users\...ISC_C1_SH1.SchDoc	Drawn By:	Filiberto Clara		

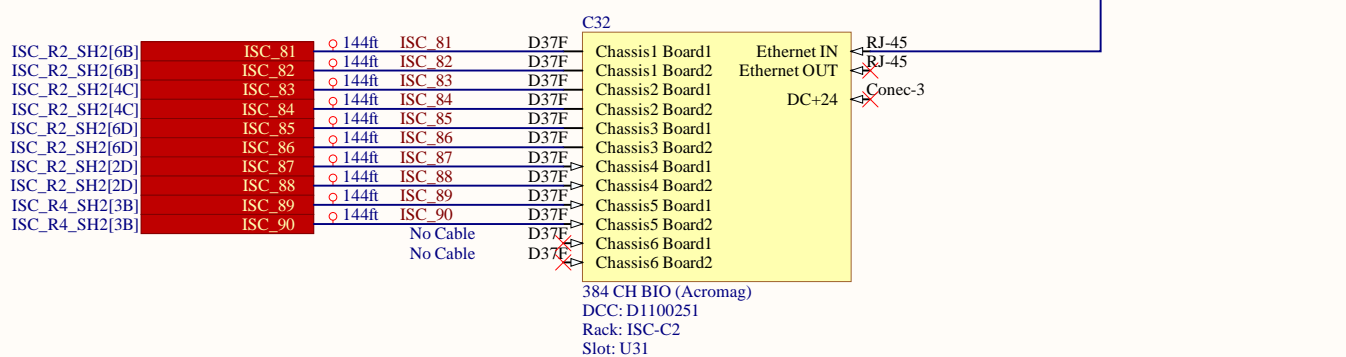
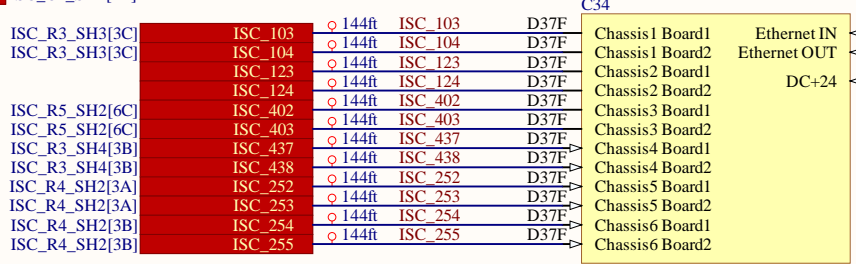
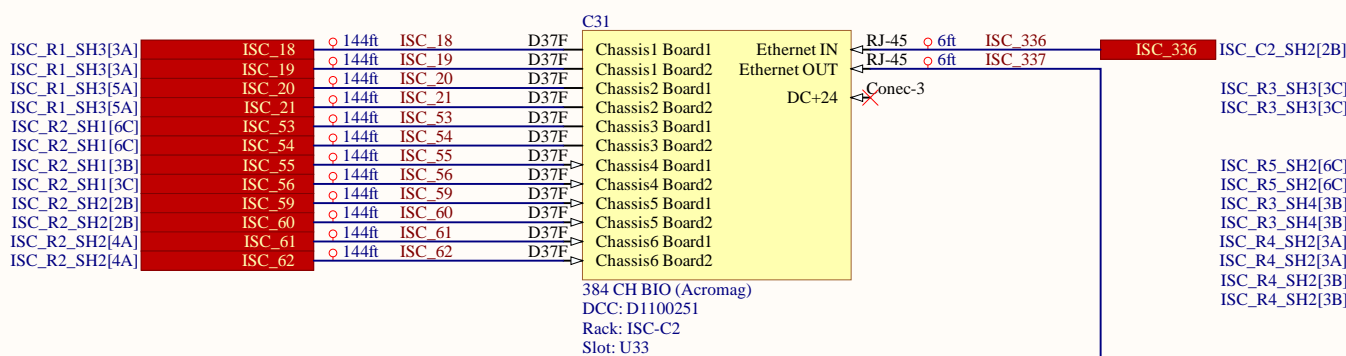
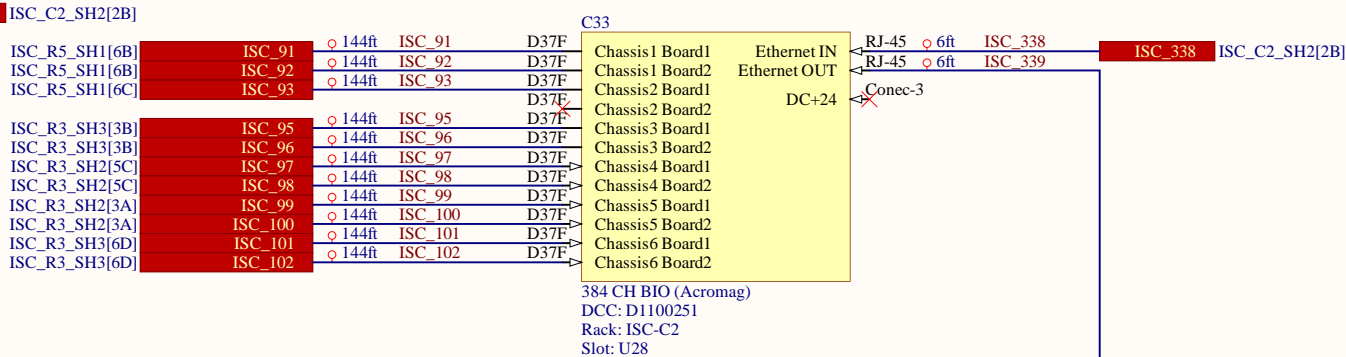
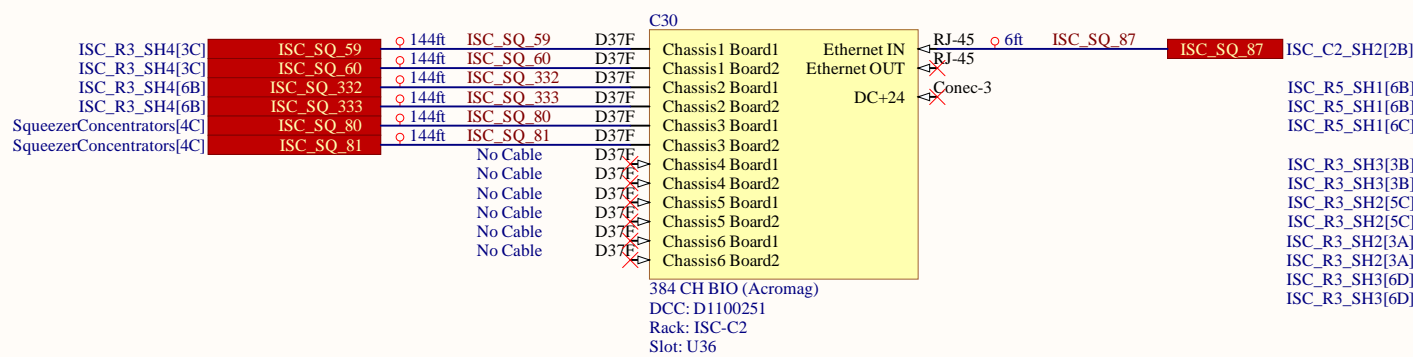
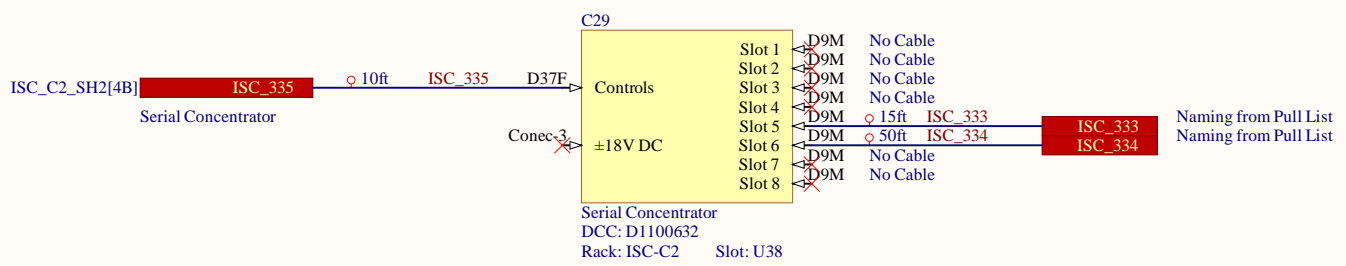
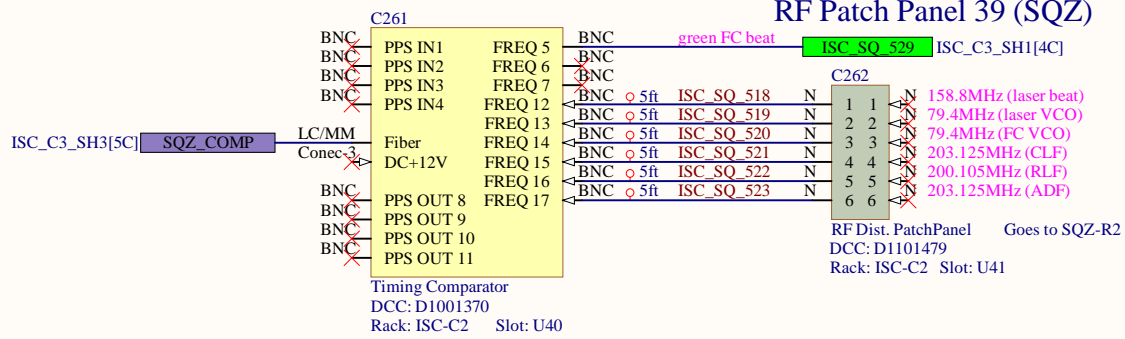
ISC-C1 Rack



Title ISC System Wiring Diagram		
Size B	Number D1900511	Revision V7
Date: 5/11/2022	Sheet of 2 38	File: C:\Users\...\ISC_C1_SH2.SchDoc
	Drawn By:	Filiberto Clara

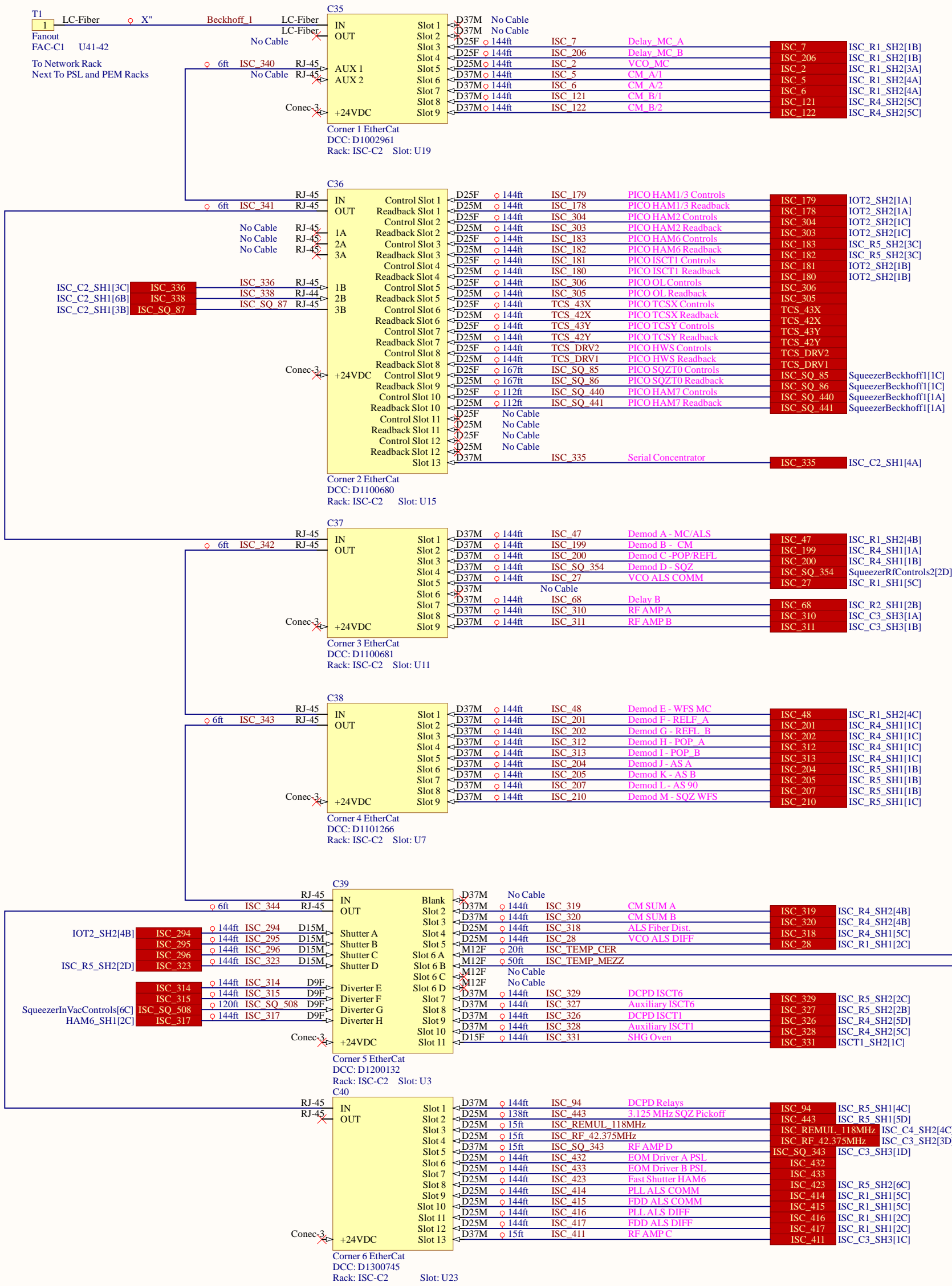
ISC-C2 Rack

RF Patch Panel 39 (SQZ)



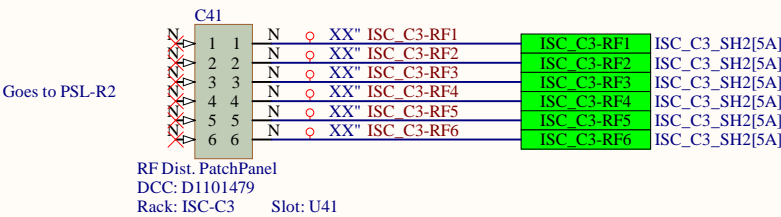
Title			ISC System Wiring Diagram	
Size	Number	Revision		
B	D1900511	V7		
Date:	5/11/2022	Sheet of 3	38	
File:	C:\Users\...\ISC_C2_SH1.SchDoc	Drawn By:	Filiberto Clara	

ISC-C2 Rack

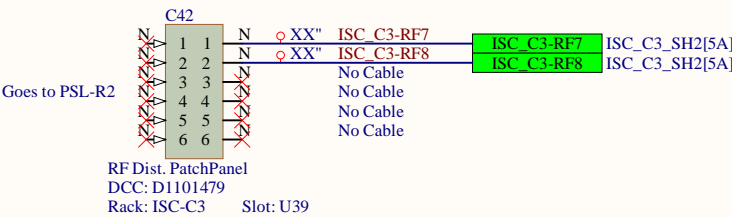


ISC-C3 Rack

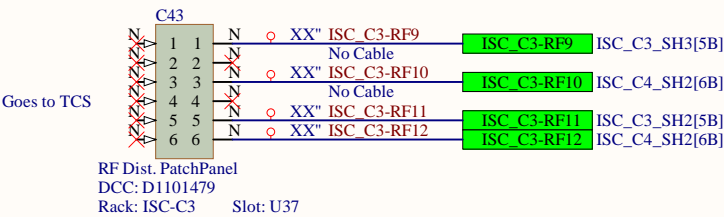
RF Patch Panel 7 (PSL)



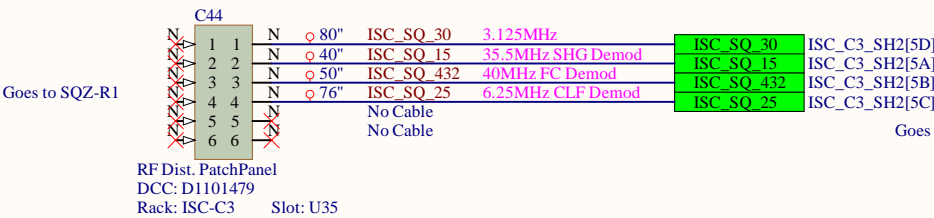
RF Patch Panel 8 (PSL)



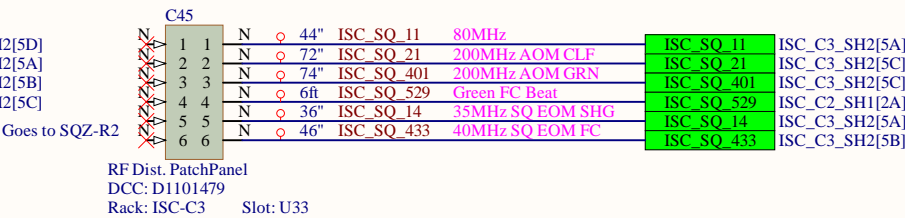
RF Patch Panel 9 (TCS)



RF Patch Panel 32 (SQZ)



RF Patch Panel 33 (SQZ)

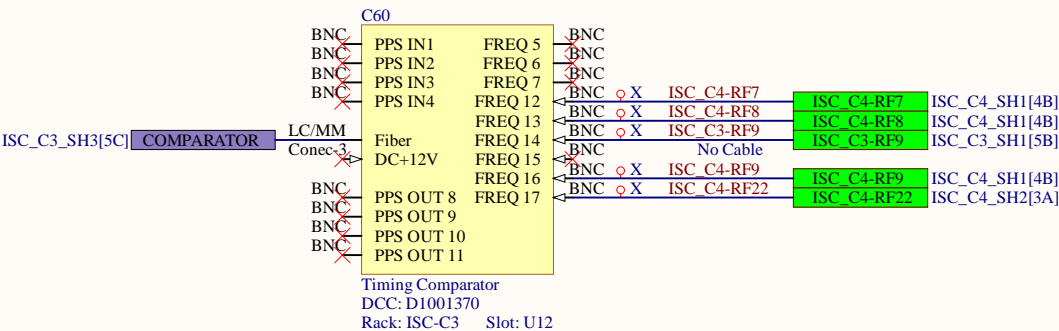
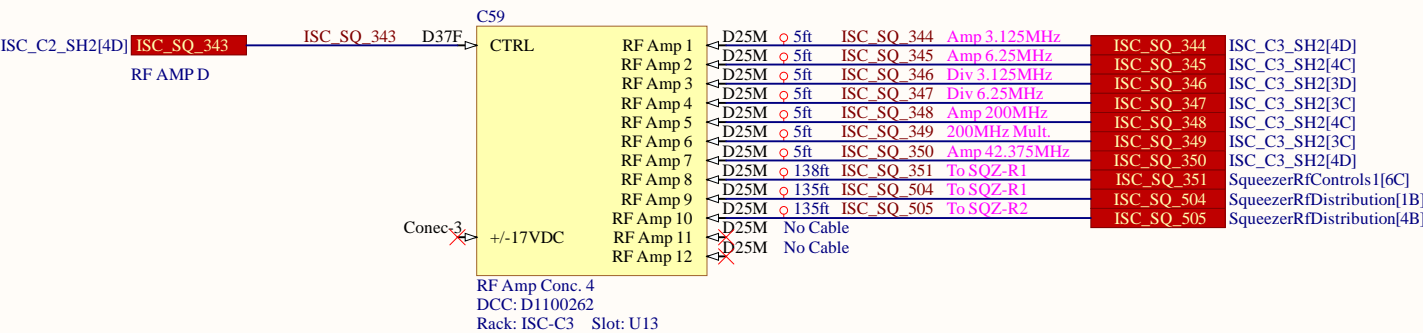
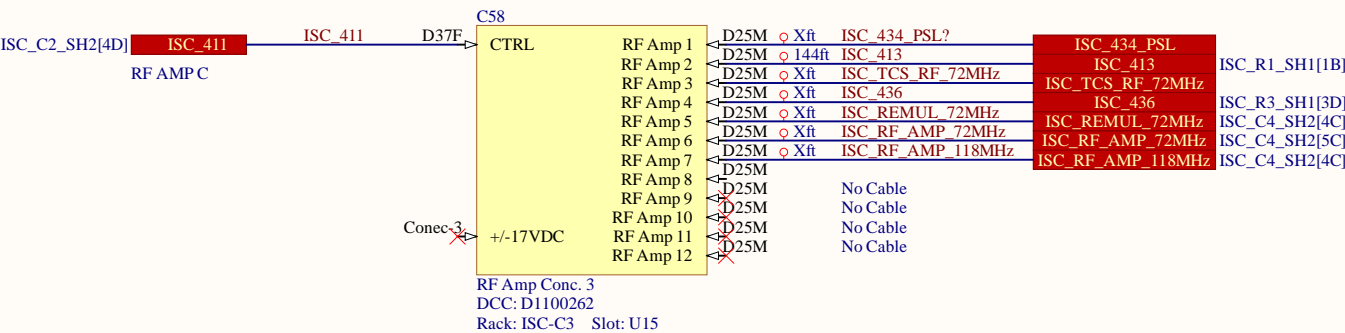
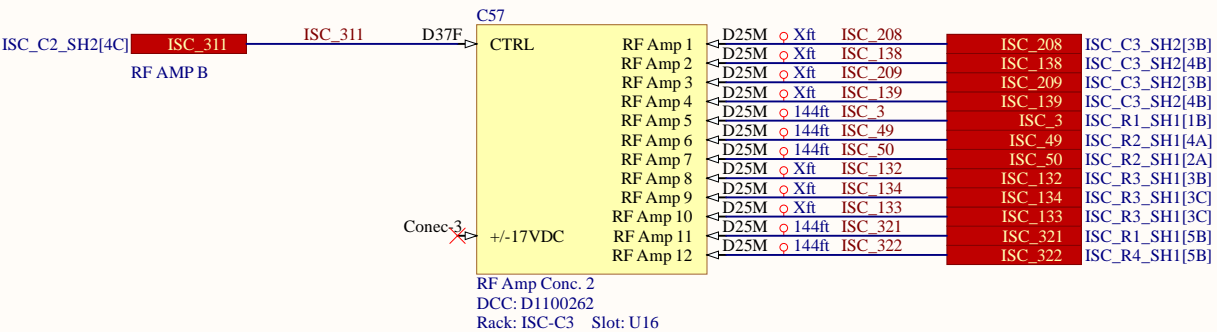
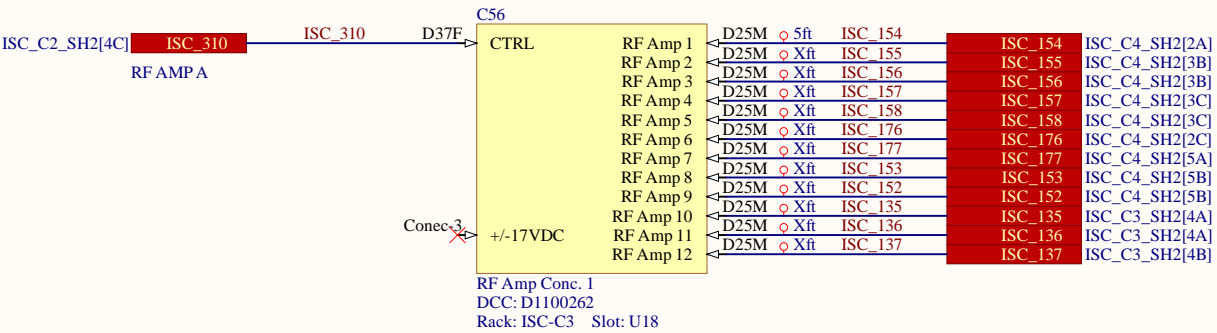


Cables that are removed
ISC_SQ_31
ISC_SQ_12
ISC_SQ_78

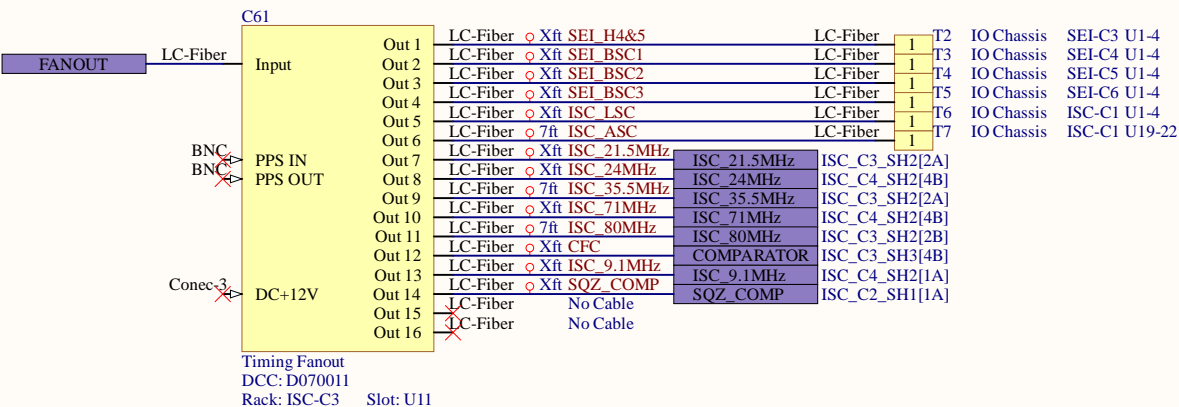
Title			
ISC System Wiring Diagram			
Size	Number	Revision	
B	D1900511	V7	
Date:	5/11/2022	Sheet of	38
File:	C:\Users\...\ISC_C3_SH1.SchDoc	Drawn By:	Filiberto Clara

A

ISC-C3 Rack



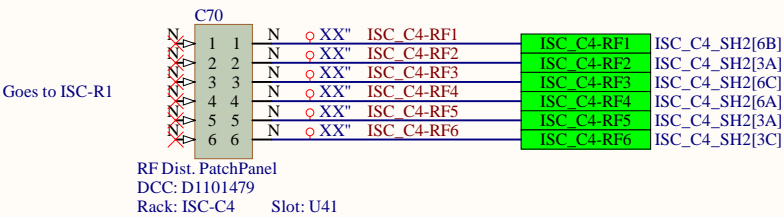
Need Locations of other ends.
SEI IO Chassis



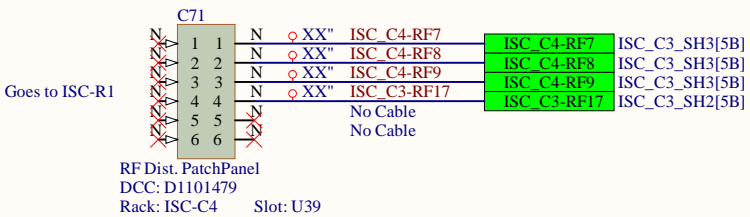
Title			
ISC System Wiring Diagram			
Size	Number	Revision	
B	D1900511	V7	
Date:	5/11/2022	Sheet of 7	38
File:	C:\Users\...\ISC_C3_SH3.SchDoc	Drawn By: Filiberto Clara	

ISC-C4 Rack

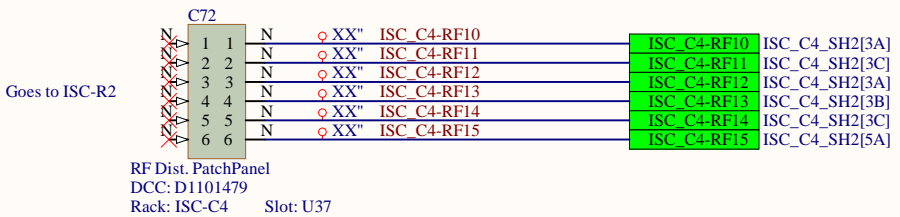
RF Patch Panel 1 (ISC)



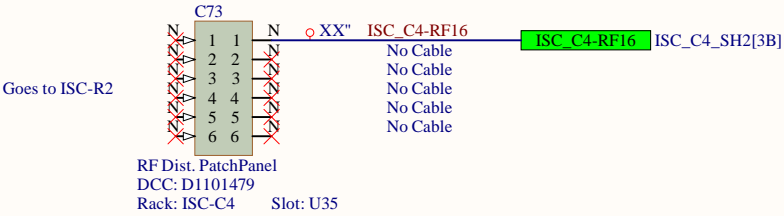
RF Patch Panel 2 (ISC)



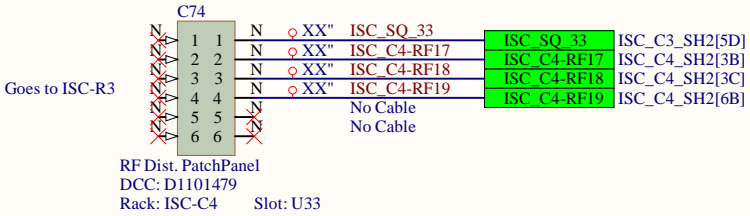
RF Patch Panel 3 (ISC)



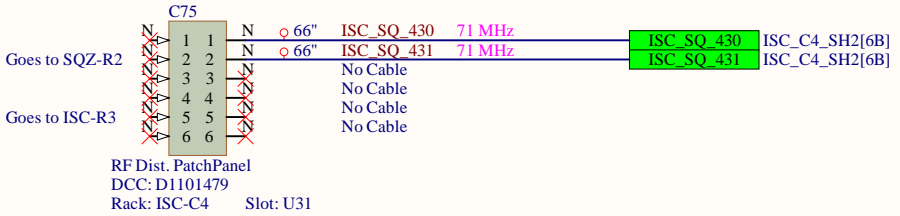
RF Patch Panel 4 (ISC)



RF Patch Panel 5 (ISC)



RF Patch Panel 6 (SQZ/ISC)



Title		
ISC System Wiring Diagram		
Size	Number	Revision
B	D1900511	V7
Date:	5/11/2022	Sheet of8 38
File:	C:\Users\...\ISC_C4_SH1.SchDoc	Drawn By: Filiberto Clara

A

B

C

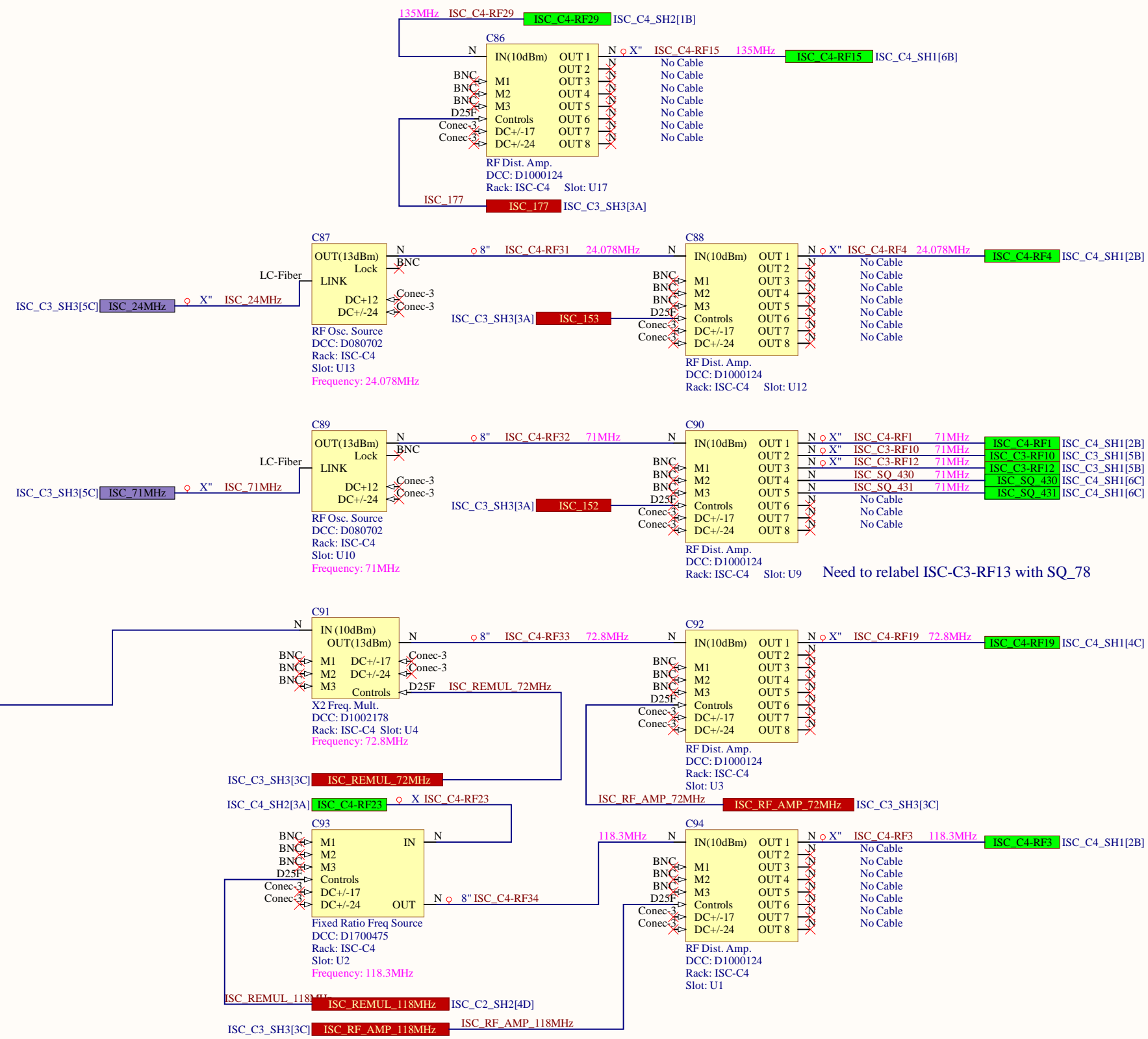
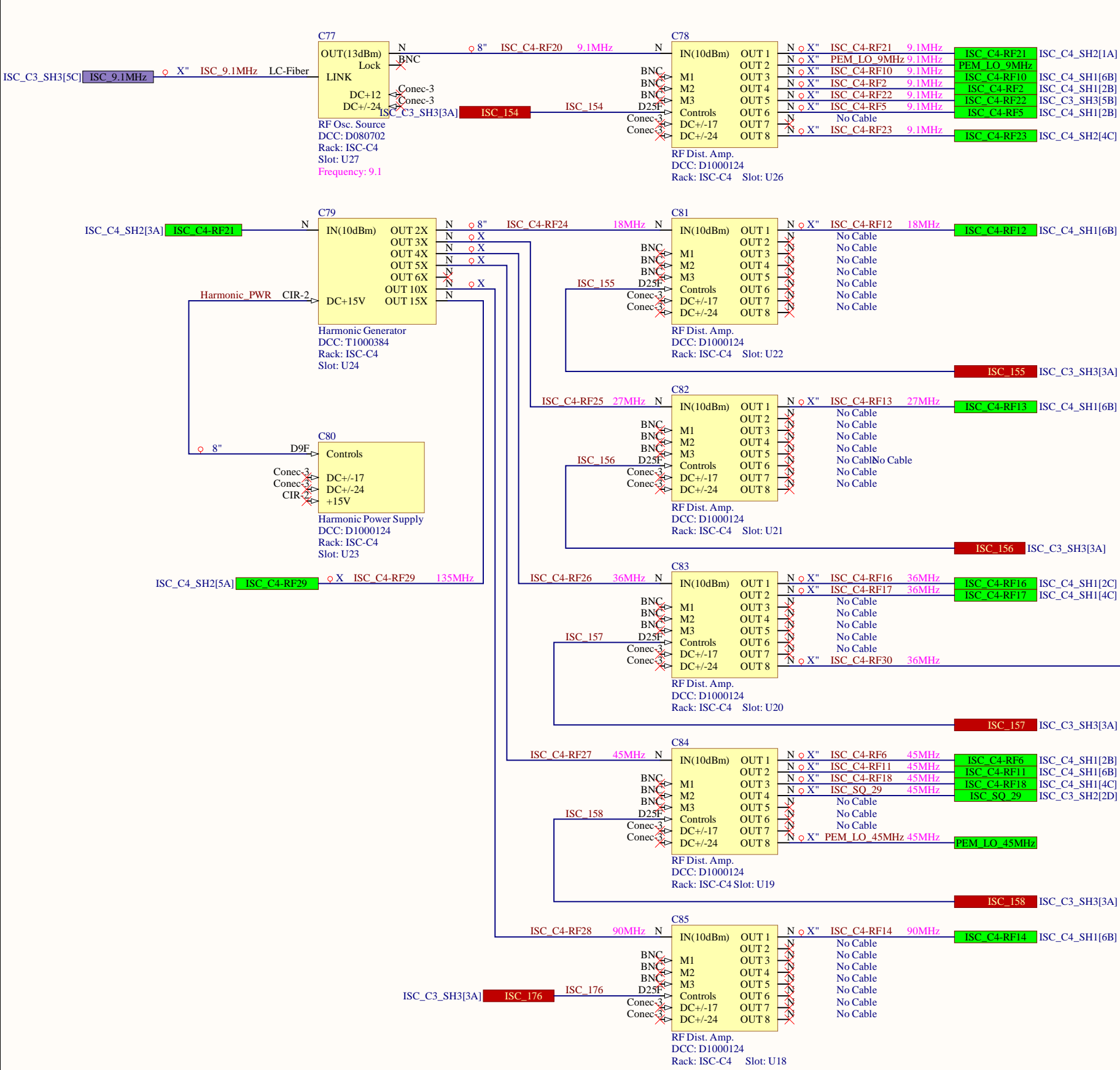
D

A

B

C

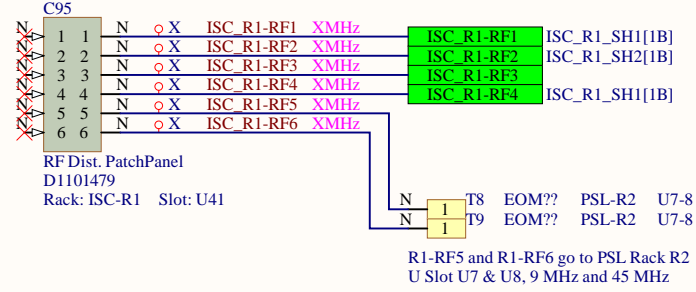
D



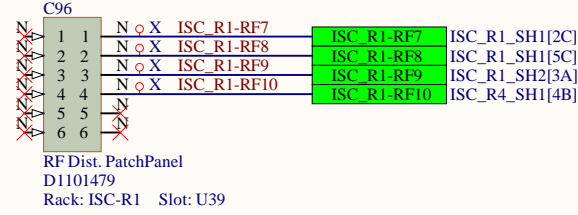
ISC-C4 Rack

Title			ISC System Wiring Diagram	
Size	Number	Revision		
C	D1900511	V7		
Date:	5/11/2022	Sheet of 9	38	
File:	C:\Users\...ISC_C4_SH2.SchDoc	Drawn By:	Filiberto Clara	

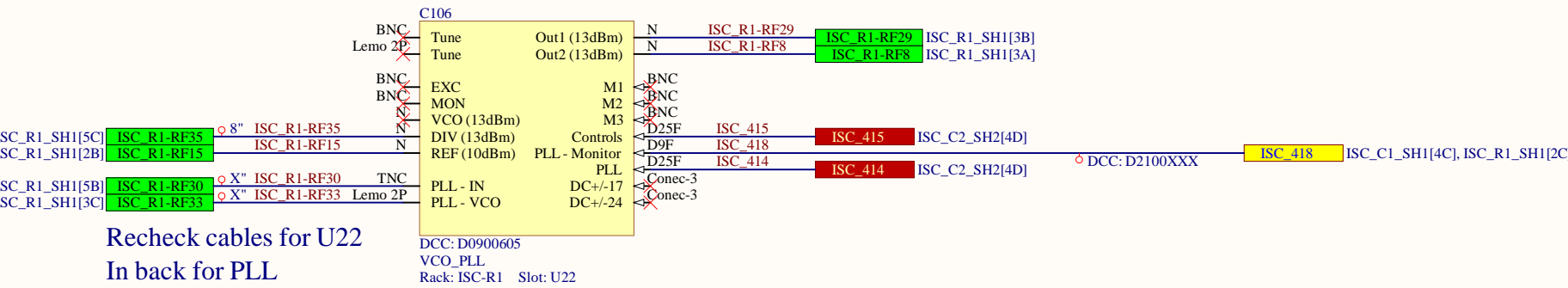
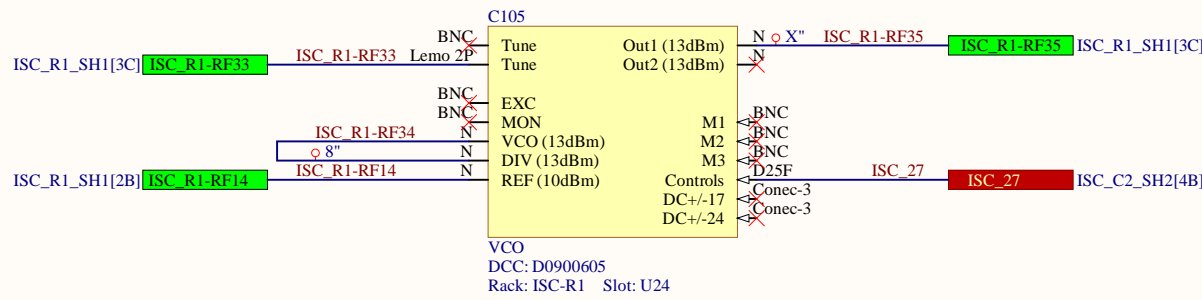
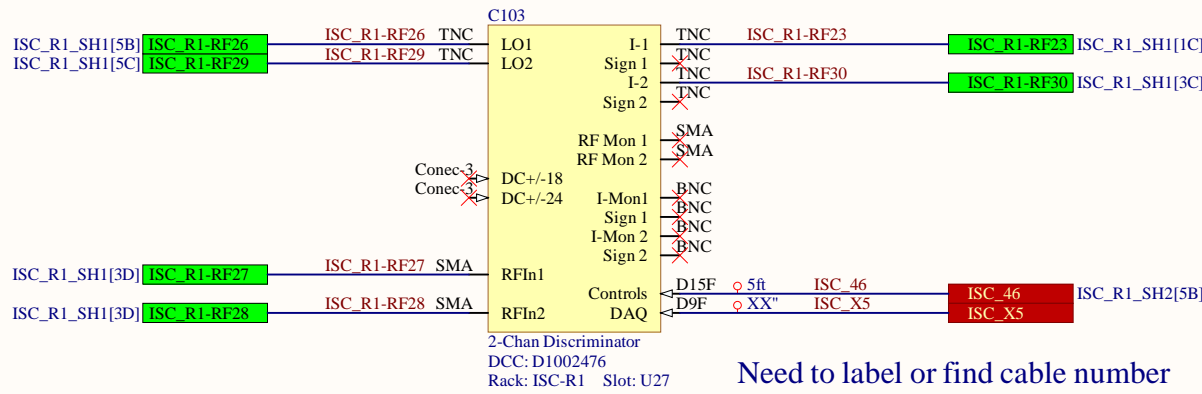
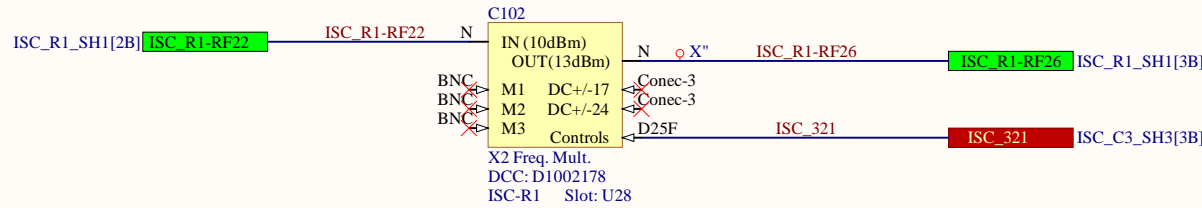
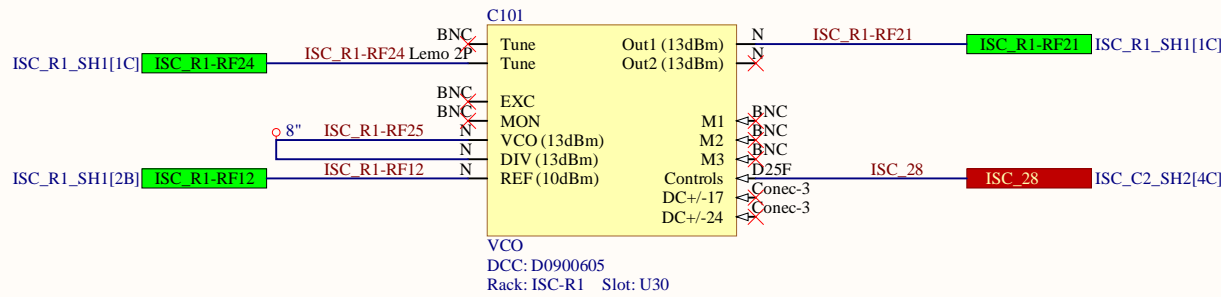
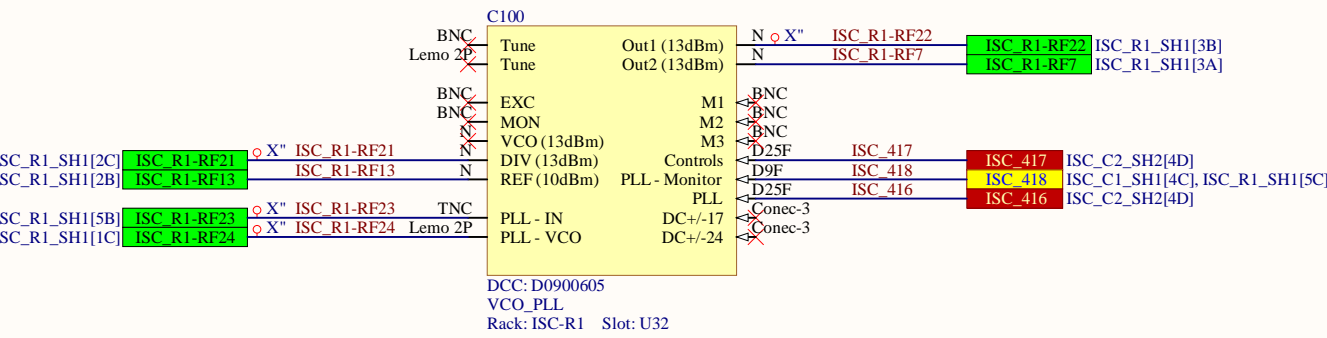
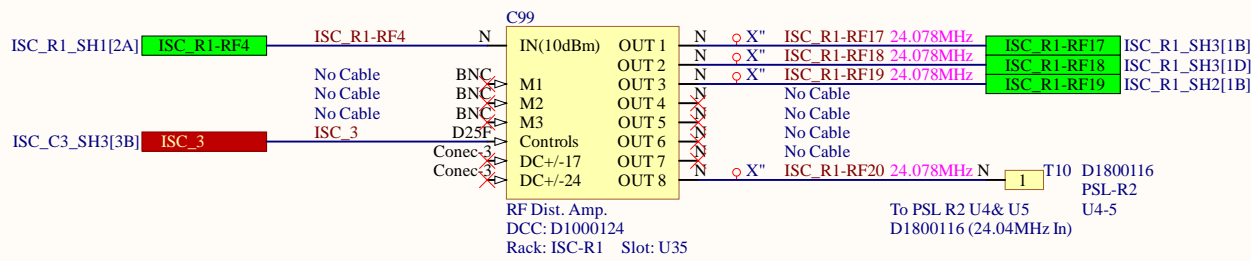
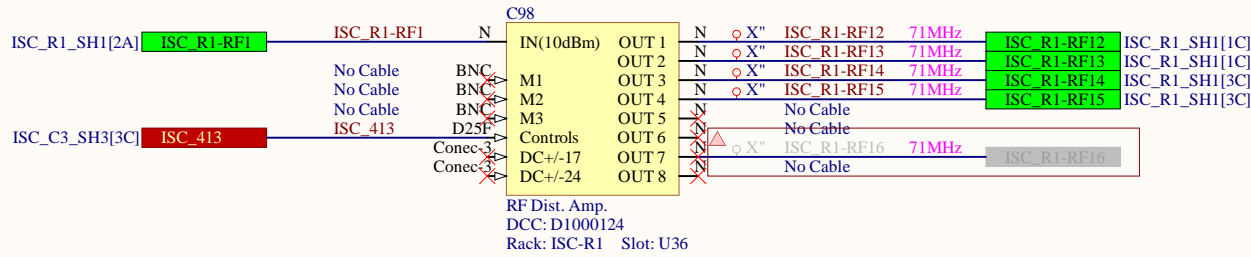
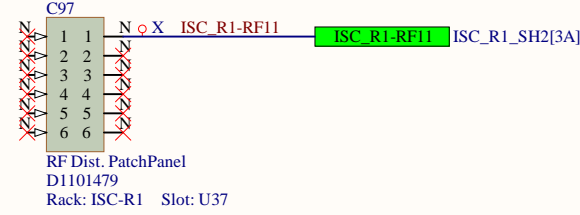
RF Patch Panel 10



RF Patch Panel 11

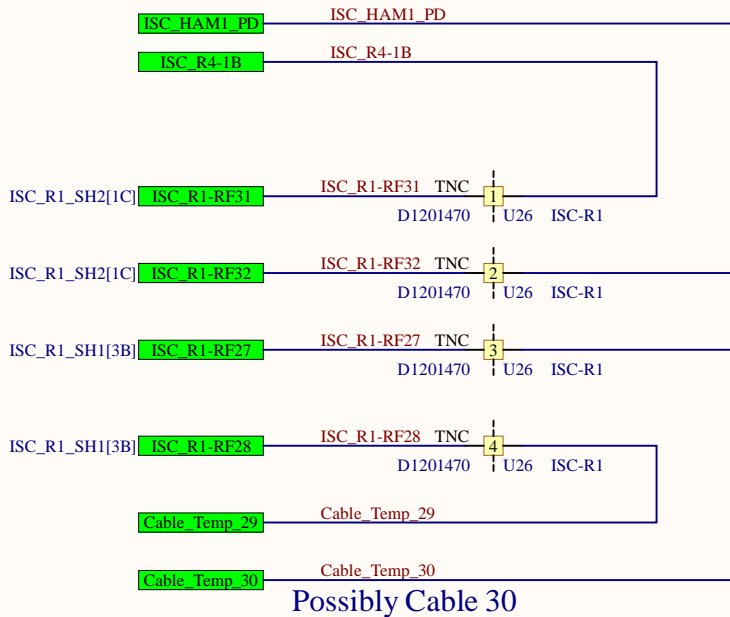


RF Patch Panel 12



Need to label or find cable number

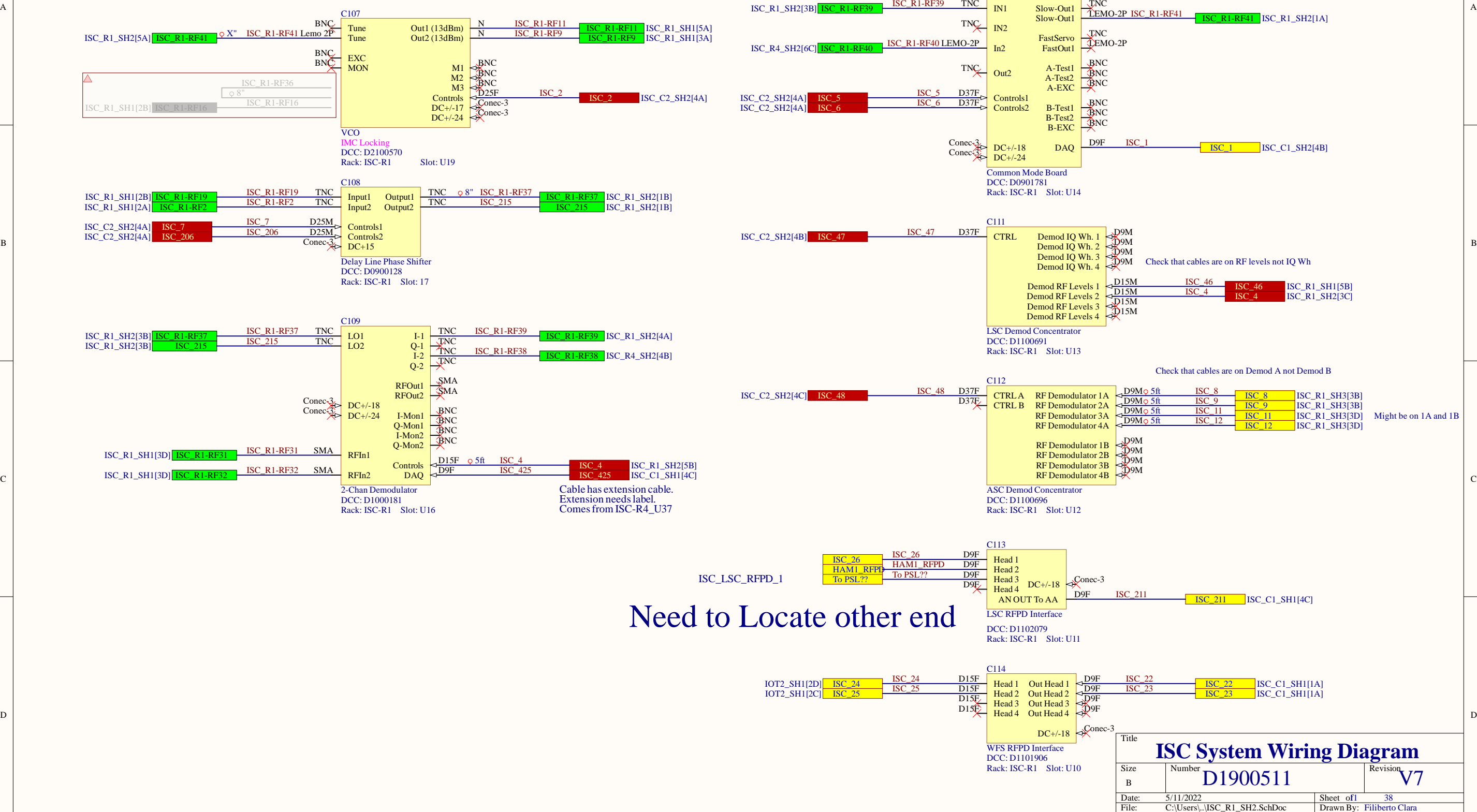
Recheck cables for U22
In back for PLL



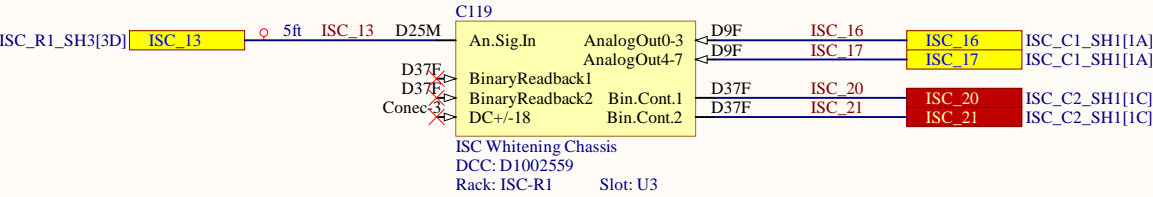
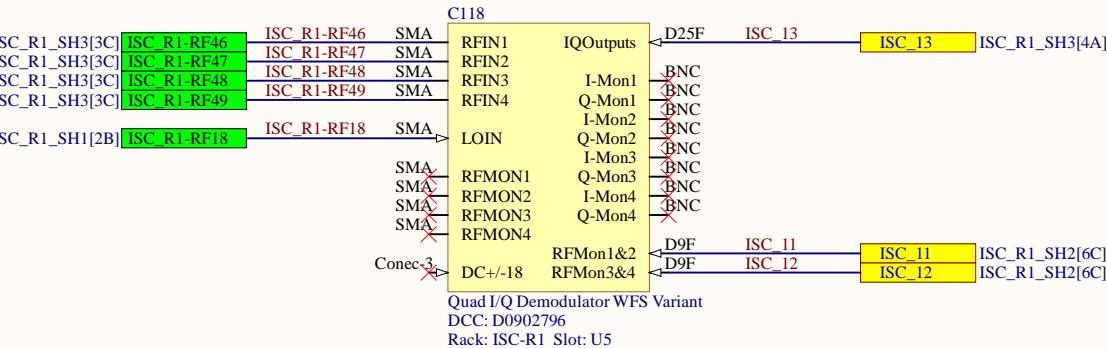
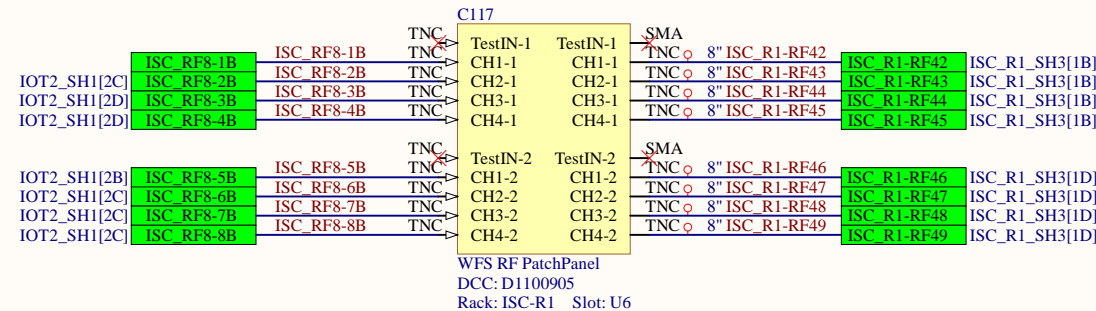
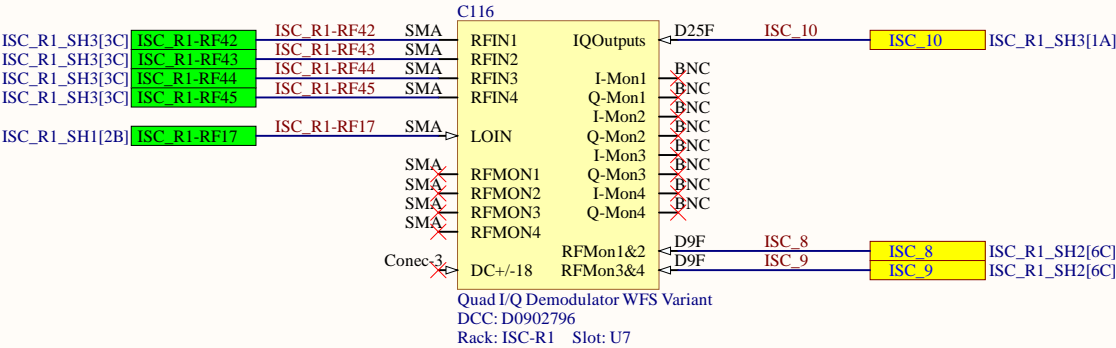
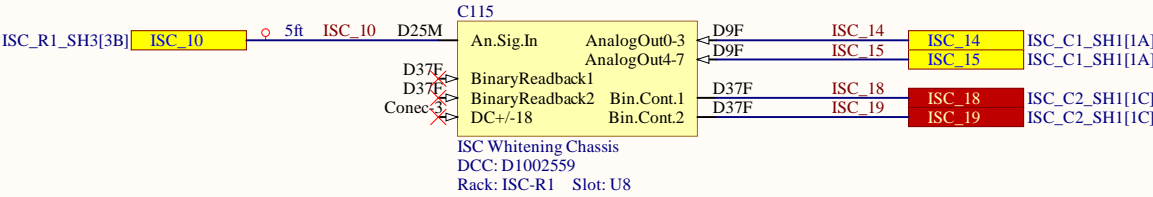
ISC-R1 Rack

Title		
ISC System Wiring Diagram		
Size	Number	Revision
C	D1900511	V7
Date:	5/11/2022	Sheet of 38
File:	C:\Users\ISC_R1_SchDoc	Drawn By: Filiberto Clara

ISC-R1 Rack



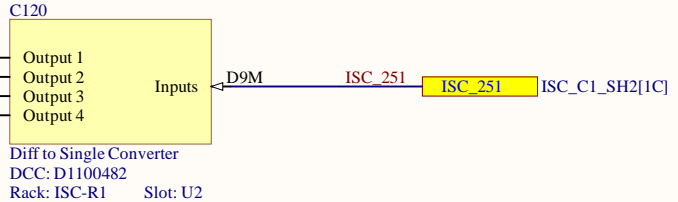
ISC-R1 Rack



Need to locate other end

PSL_SMB_1	PSL_SMB_1	BNC
PSL_SMB_2	PSL_SMB_2	BNC
ISC_434_X	ISC_434_X	BNC
ISC_435_X	ISC_435_X	BNC

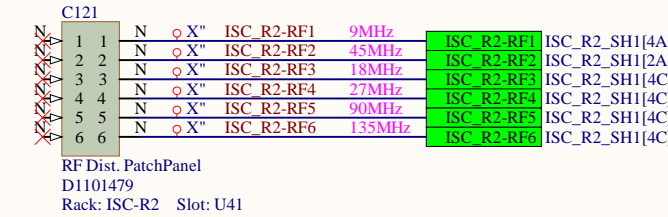
434/435 already used
ASC-POP_X_PIT/YAW



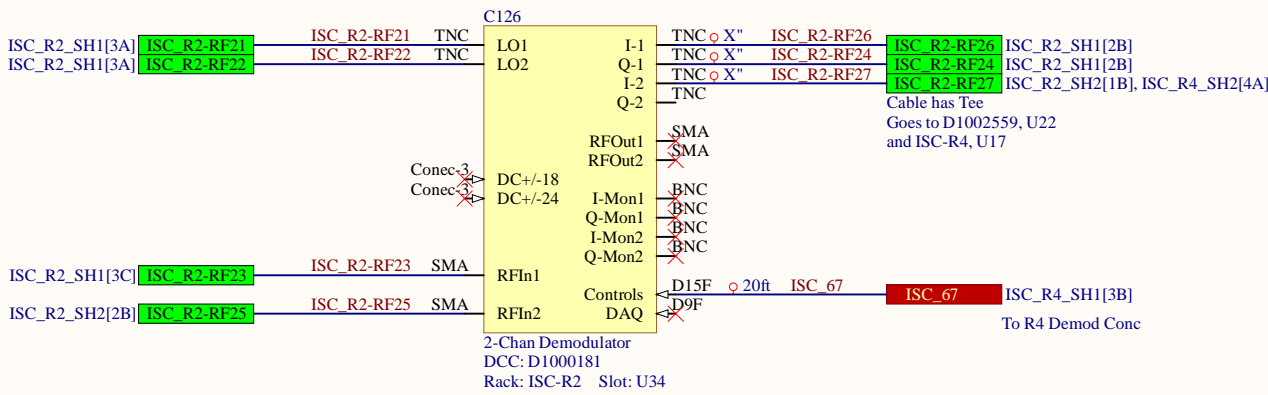
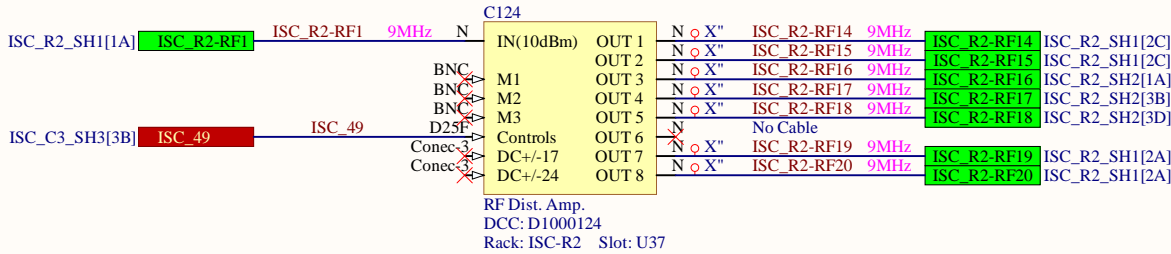
Title ISC System Wiring Diagram		
Size B	Number D1900511	Revision V7
Date: 5/11/2022	Sheet of 2	38
File: C:\Users\...\ISC_R1_SH3.SchDoc	Drawn By: Filiberto Clara	

ISC-R2 Rack

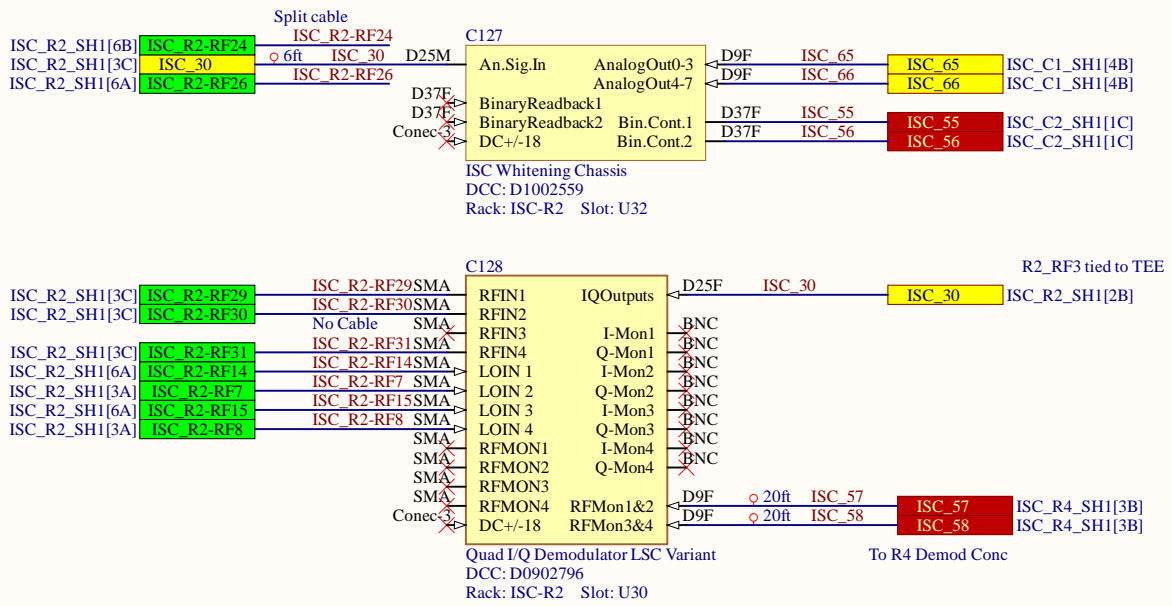
RF Patch Panel 13



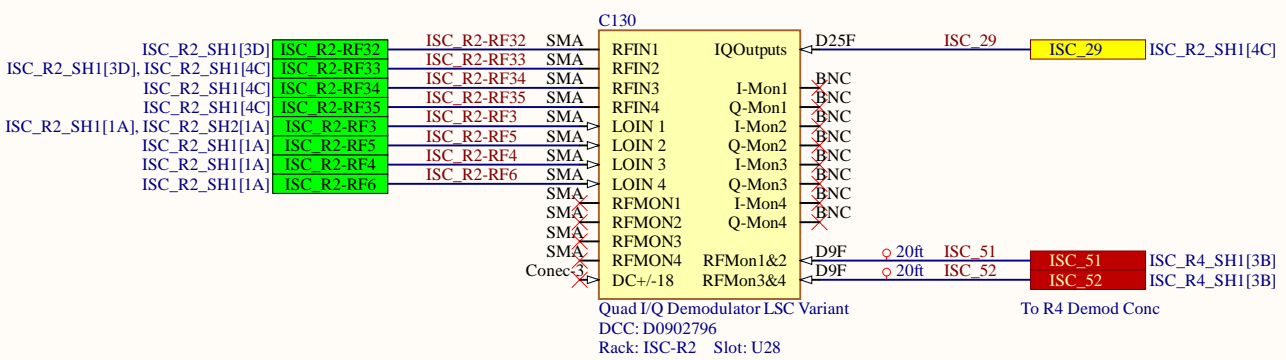
RF Patch Panel 14



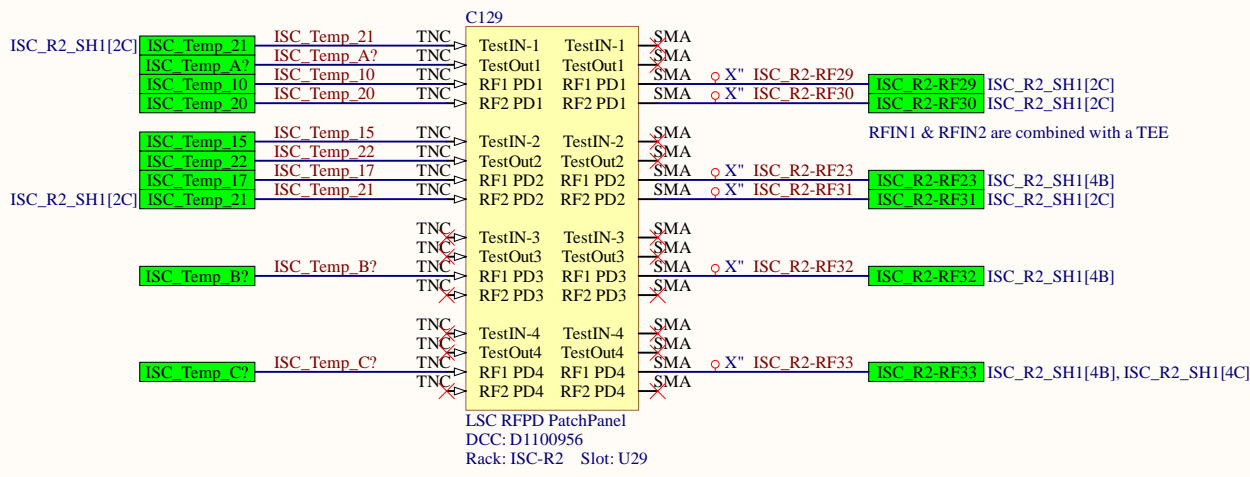
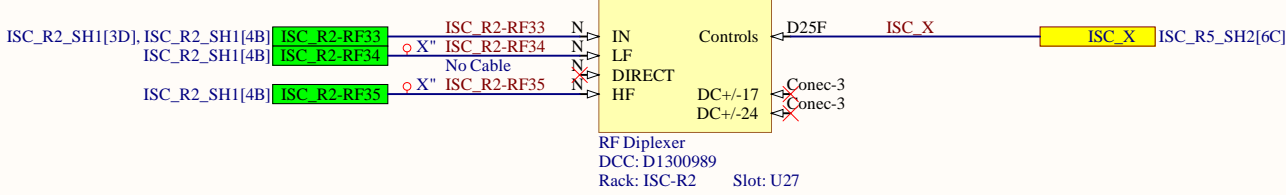
LSC POPAIR A 9&45, LSC REFLAIR A 45



LSC POPAIR B 18&90, LSC REFLAIR B 27&135

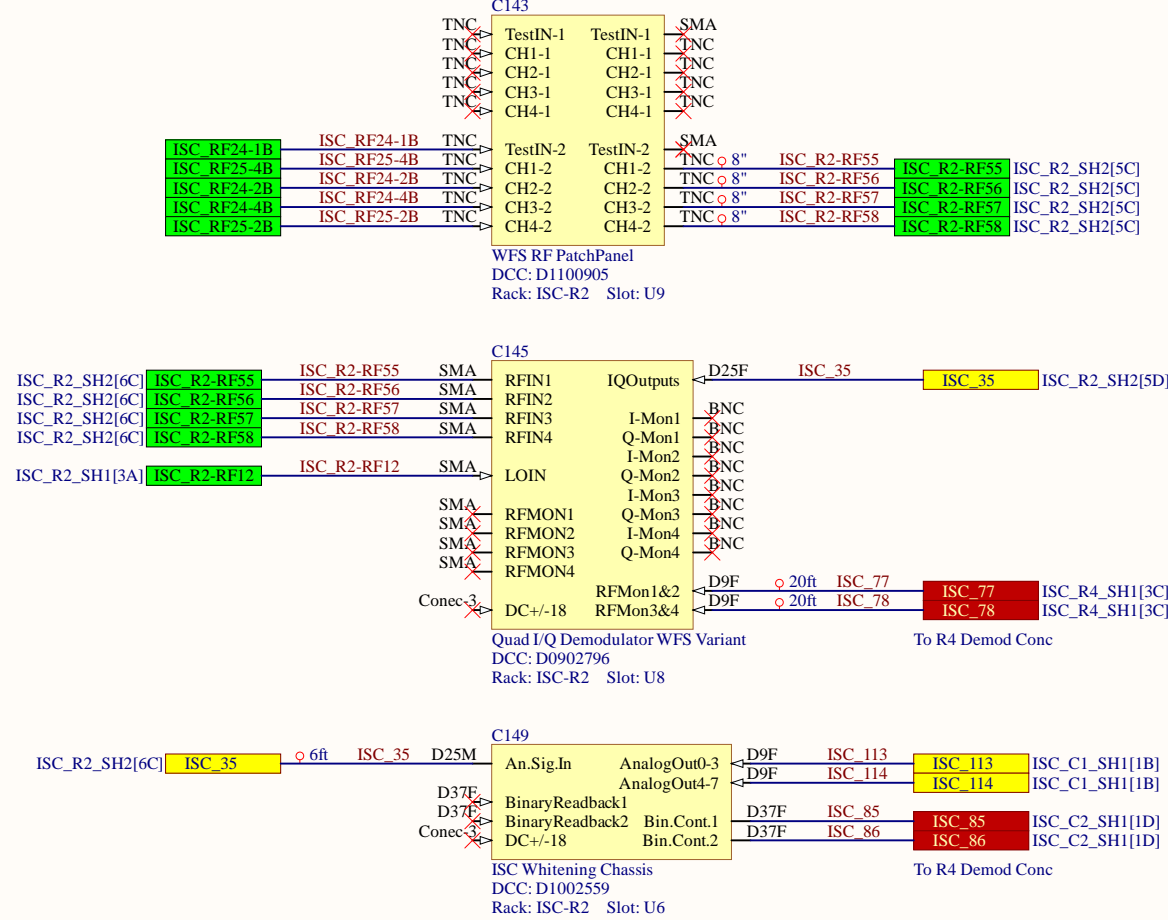
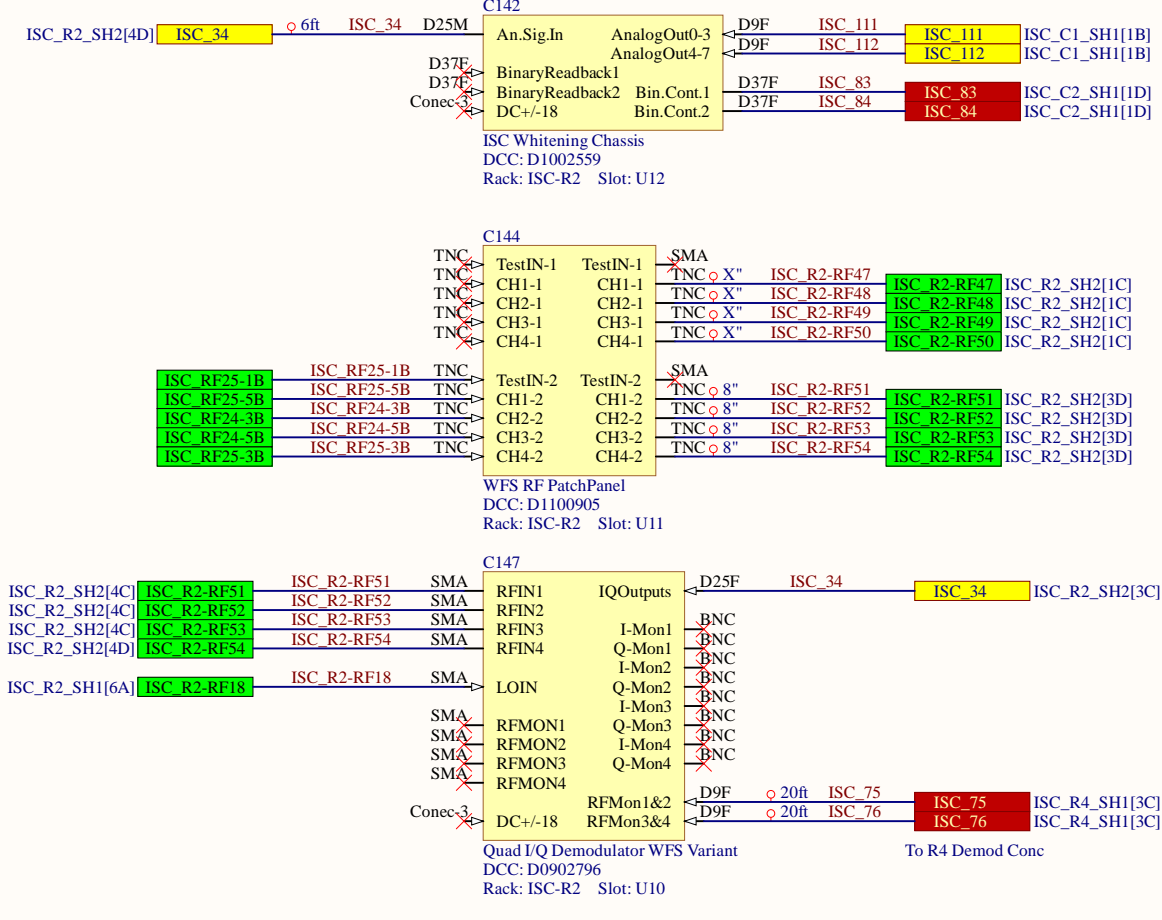
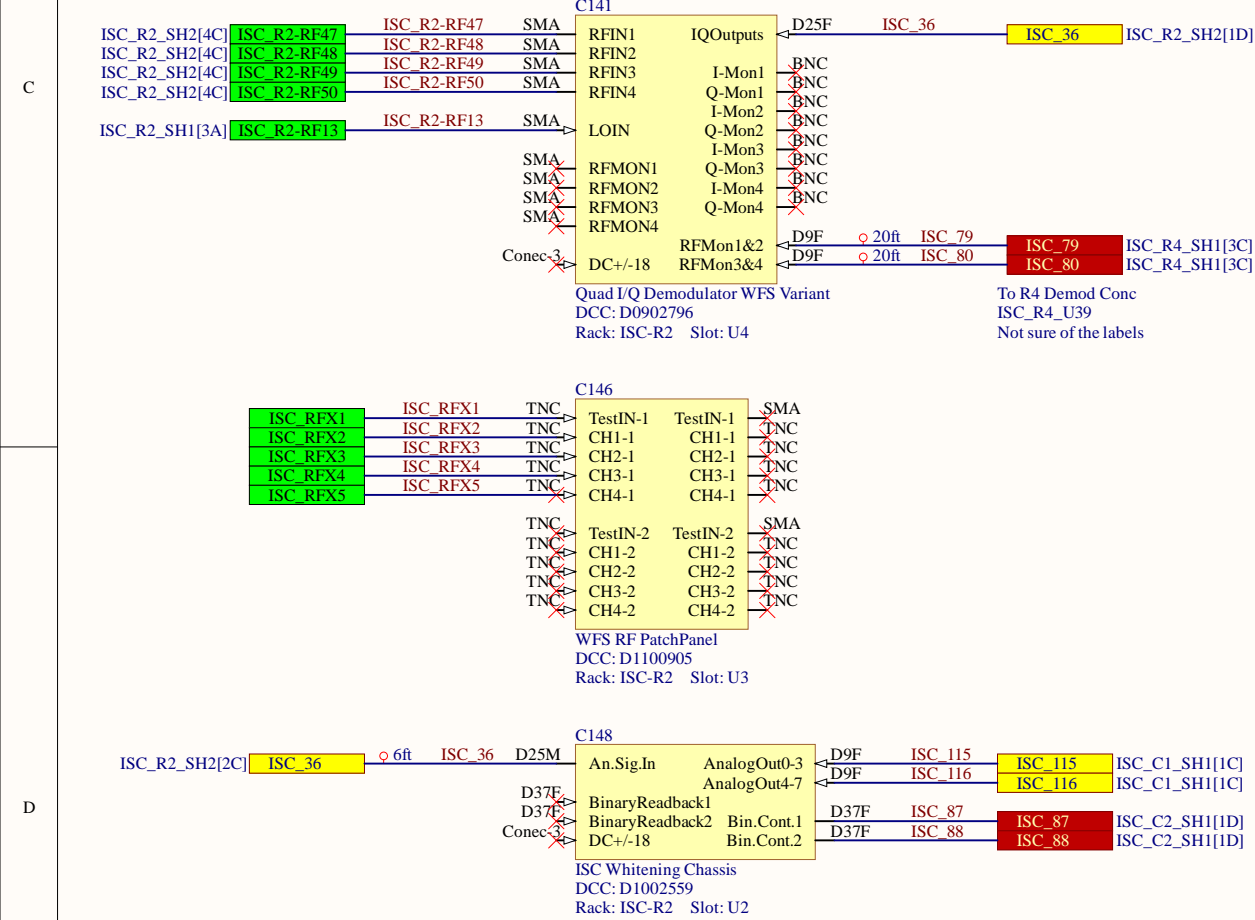
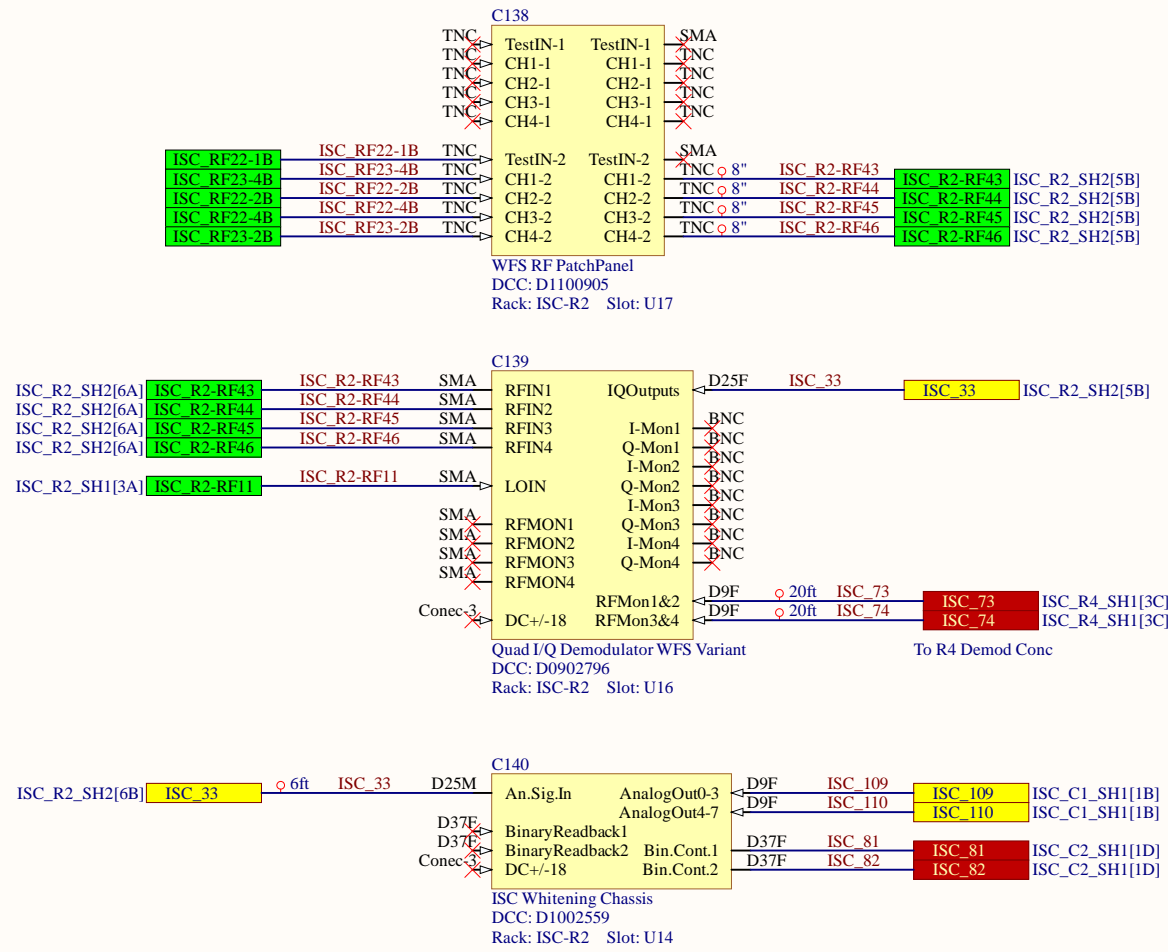
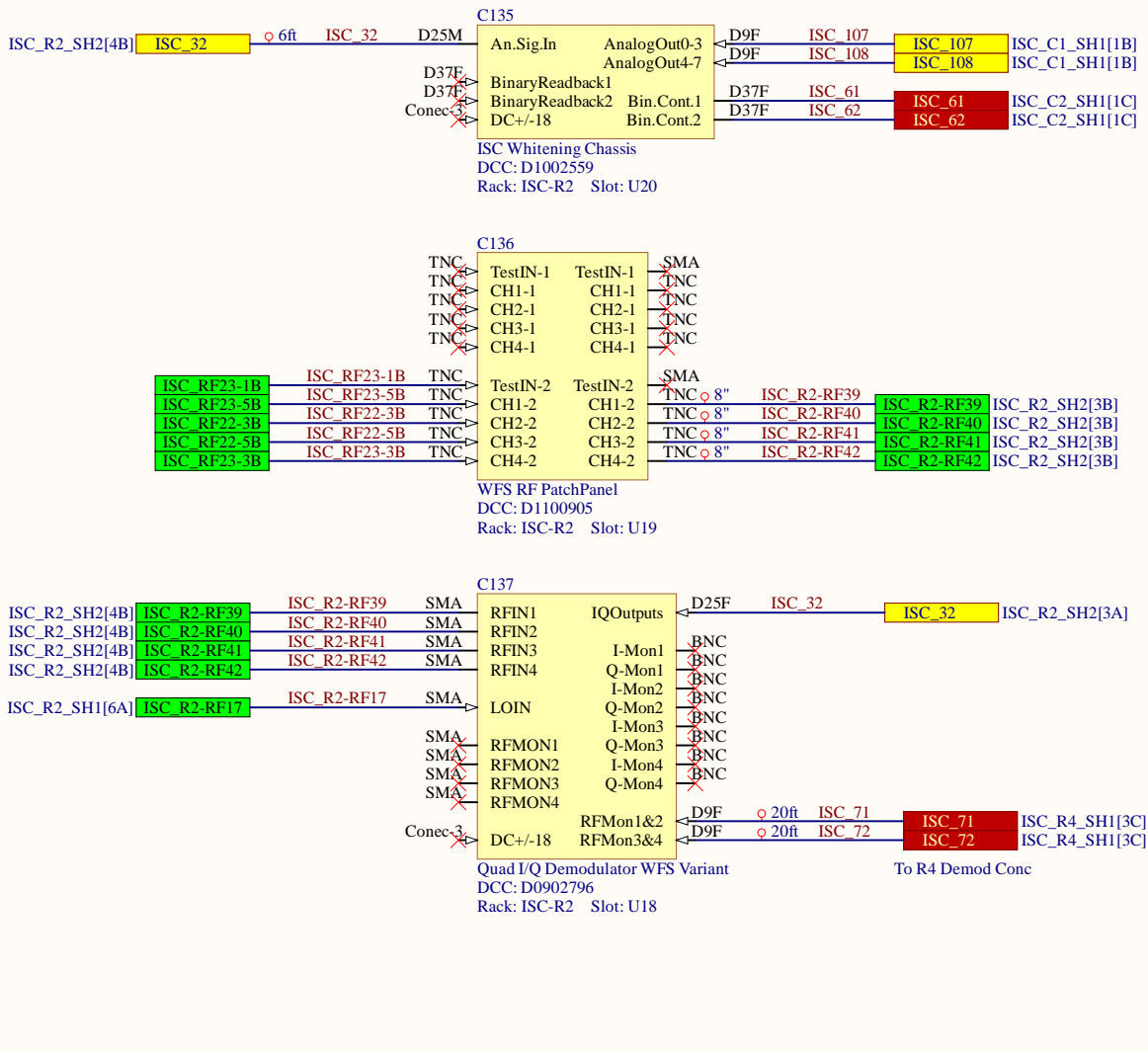
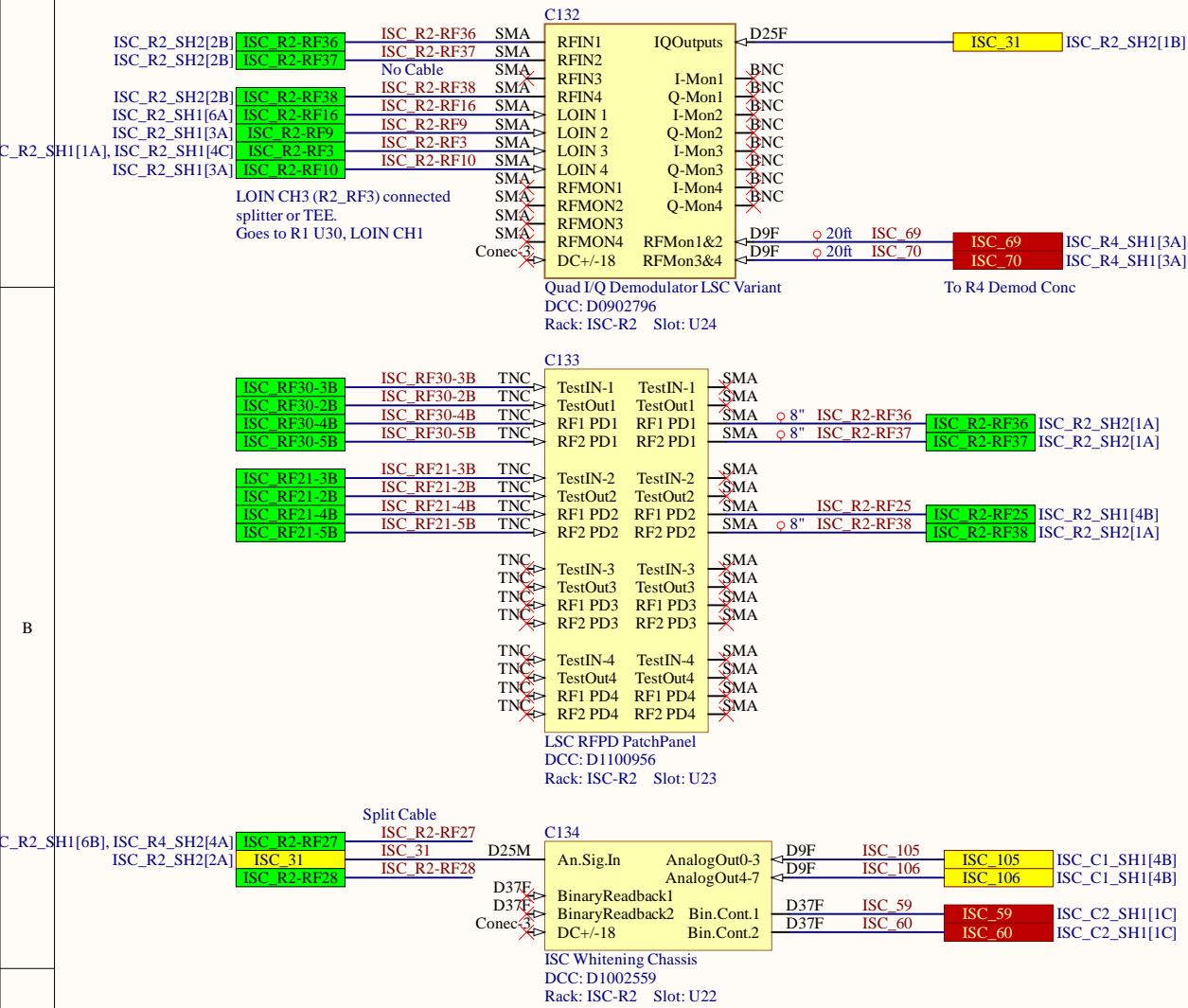


Need to label & locate other end



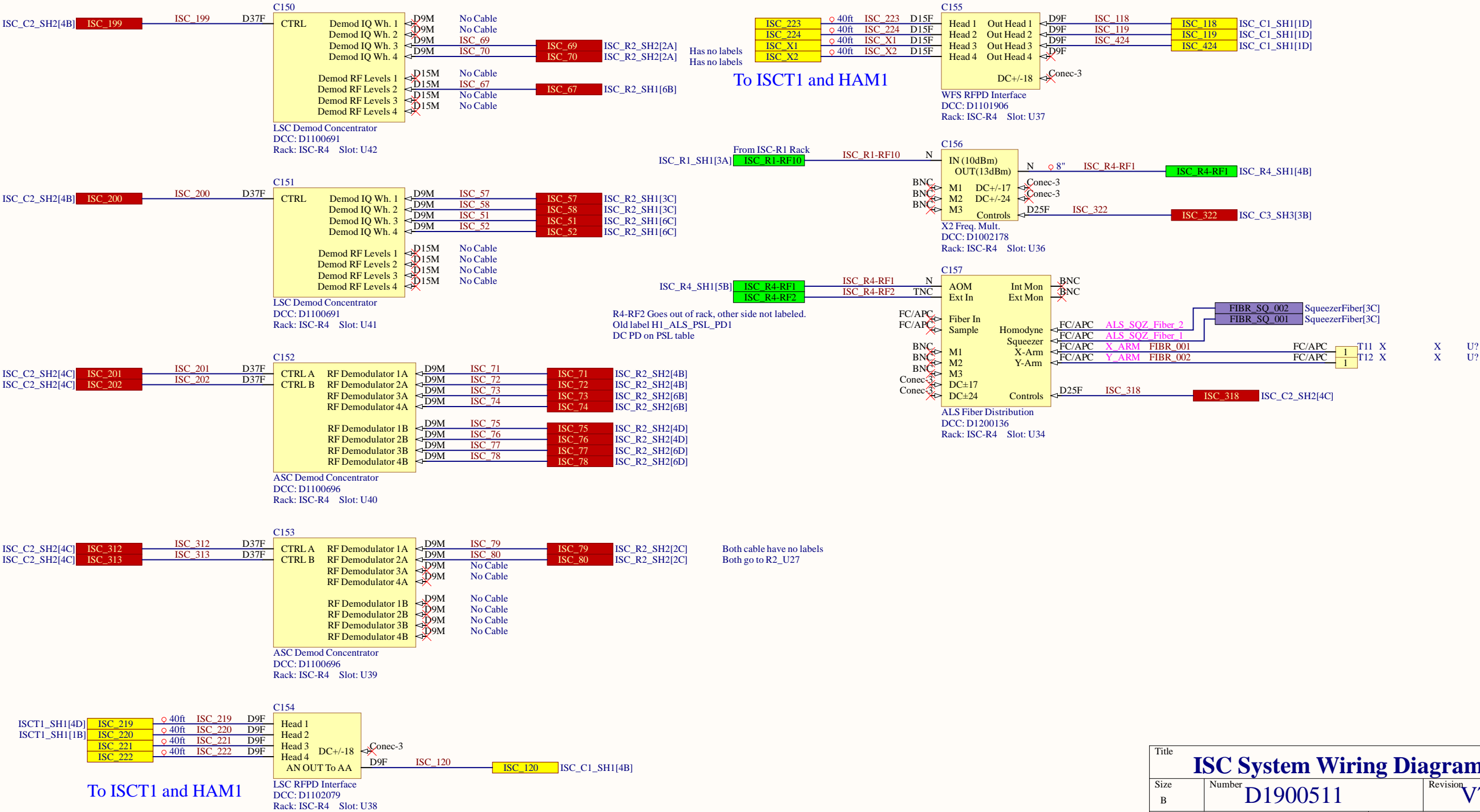
Title		
ISC System Wiring Diagram		
Size	Number	Revision
C	D1900511	V7
Date:	5/11/2022	Sheet of3 38
File:	C:\Users\...ISC_R2_SH1.SchDoc	Drawn By: Filiberto Clara

ISC-R2 Rack



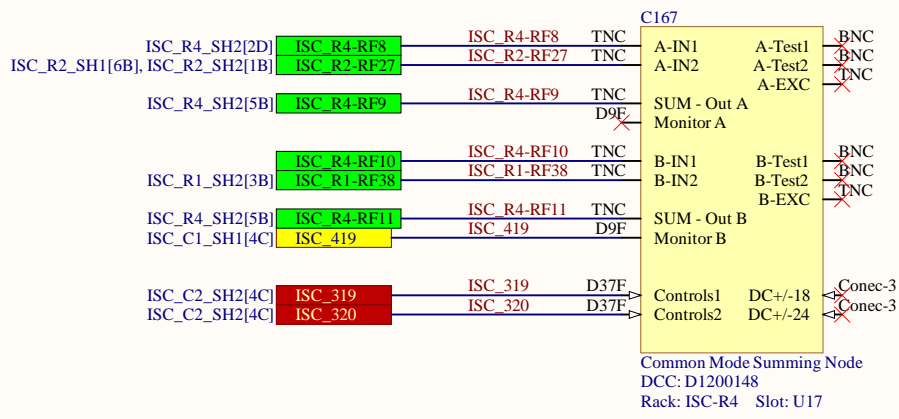
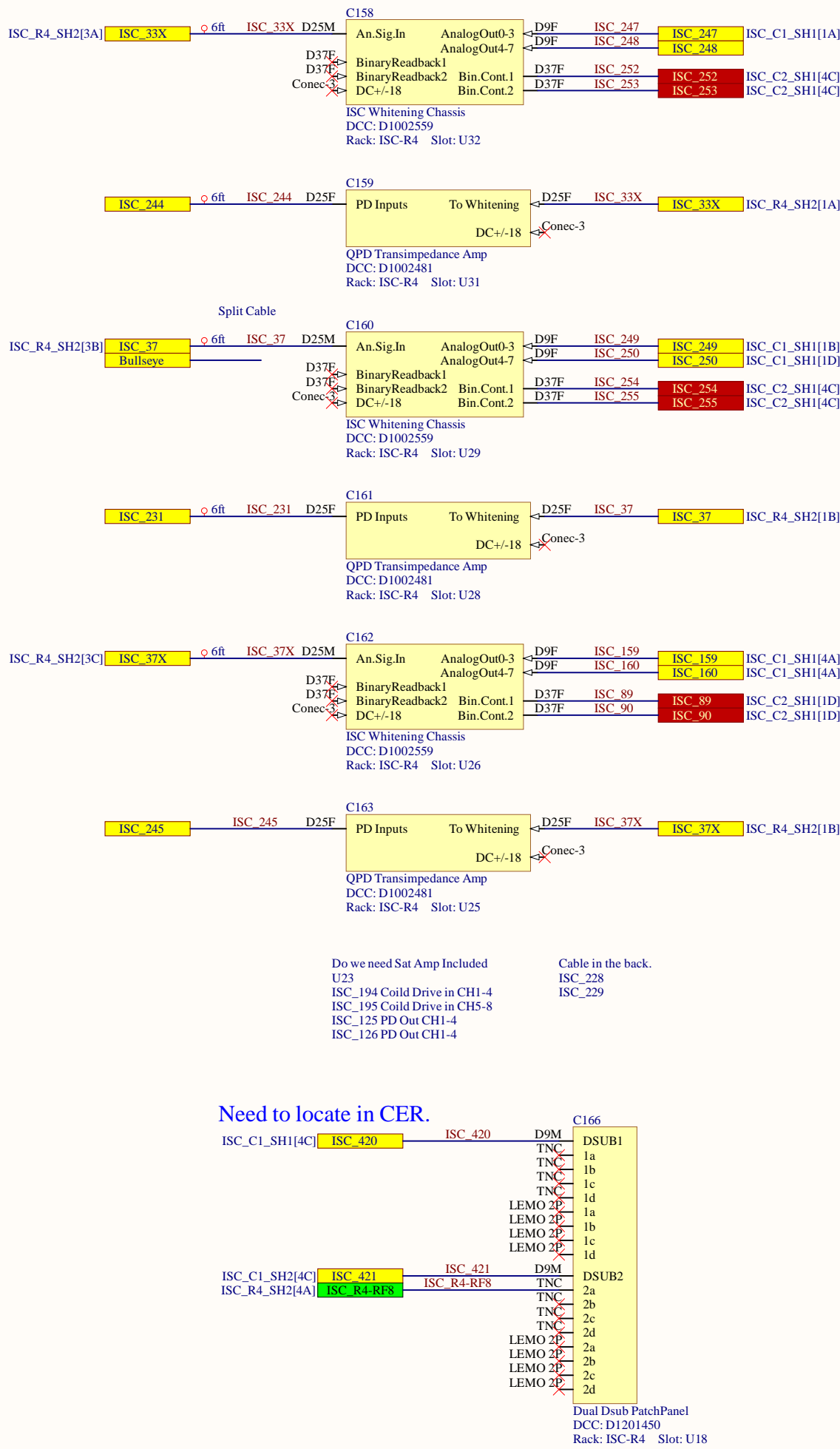
Title			
<h1 style="text-align: center;">ISC System Wiring Diagram</h1>			
Size	Number	Revision	
C	D1900511	V7	
Date:	5/11/2022	Sheet of 4	38
File:	C:\Users\...ISC_R2_SH2.SchDoc	Drawn By: Filiberto Clara	

ISC-R4 Rack

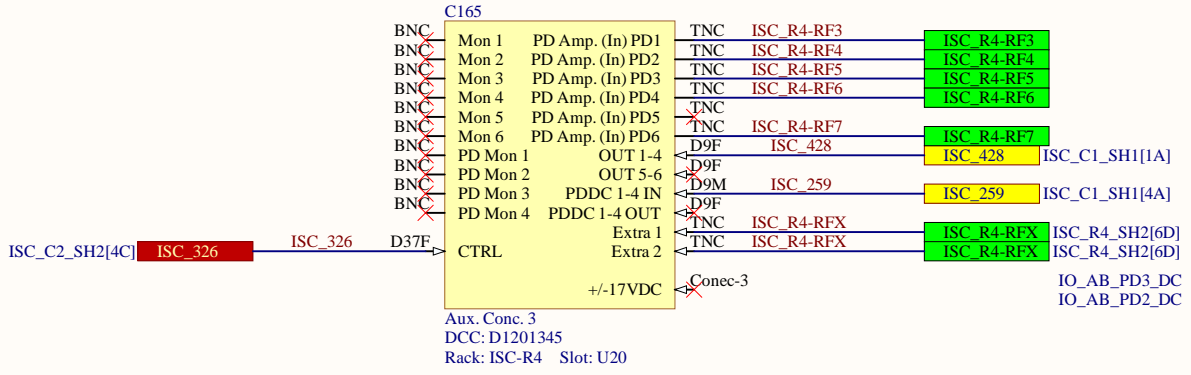
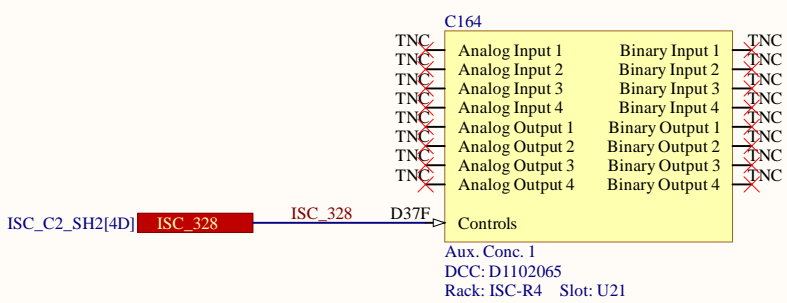
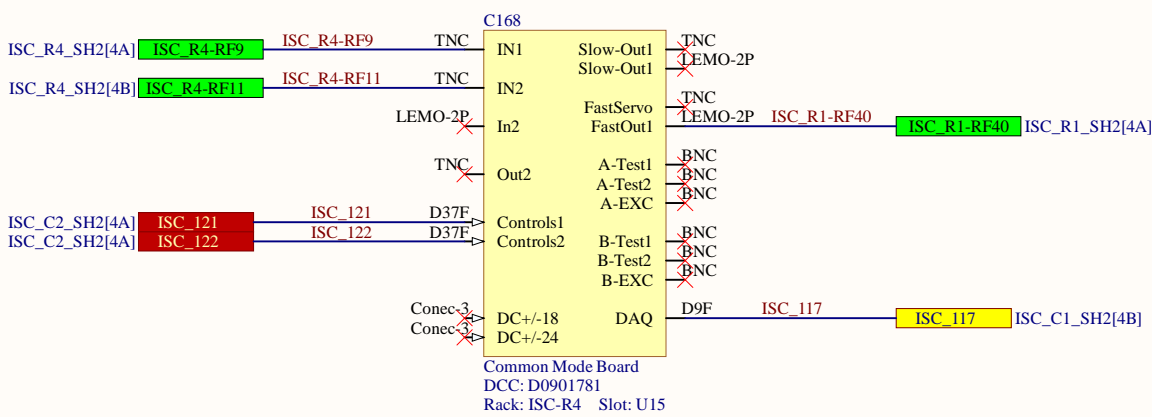


Title		
ISC System Wiring Diagram		
Size	Number	Revision
B	D1900511	V7
Date:	5/11/2022	Sheet of 5 38
File:	C:\Users\...\ISC_R4_SH1.SchDoc	Drawn By: Filiberto Clara

ISC-R4 Rack



Otherside not labeled. RED
Otherside not labeled. Green
Otherside not labeled. R4 ISC1
Otherside not labeled. R4 ISC2
Otherside not labeled. Old label H1_ALS_PSL_PD1

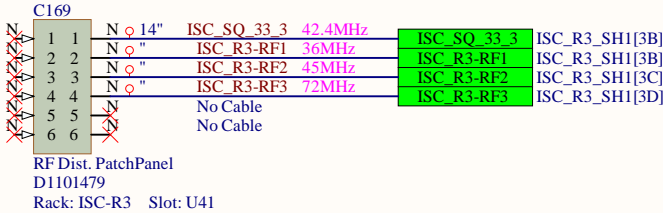


Title		
ISC System Wiring Diagram		
Size	Number	Revision
C	D1900511	V7
Date:	5/11/2022	Sheet of6 38
File:	C:\Users\...ISC_R4_SH2.SchDoc	Drawn By: Filiberto Clara

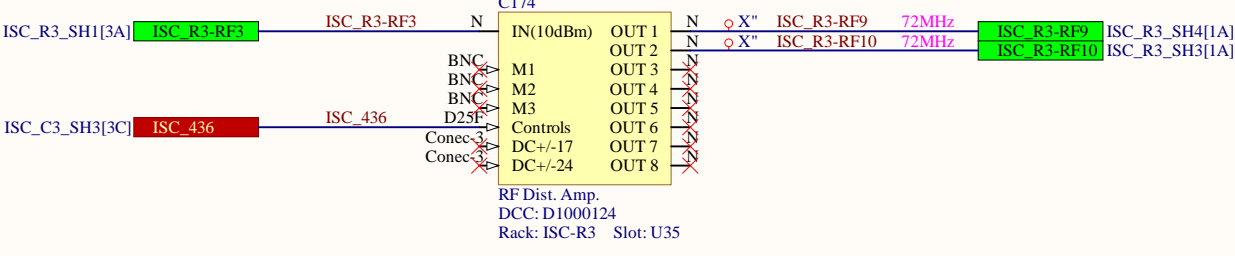
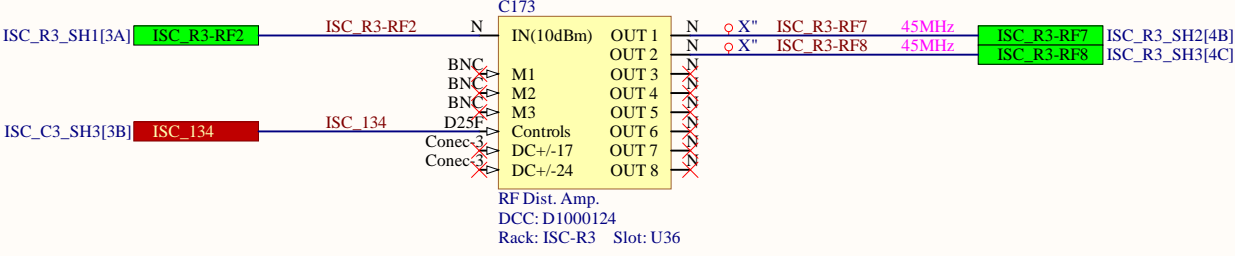
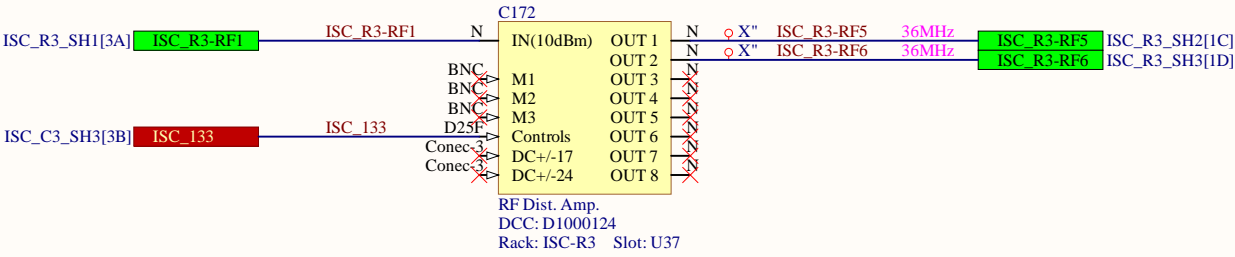
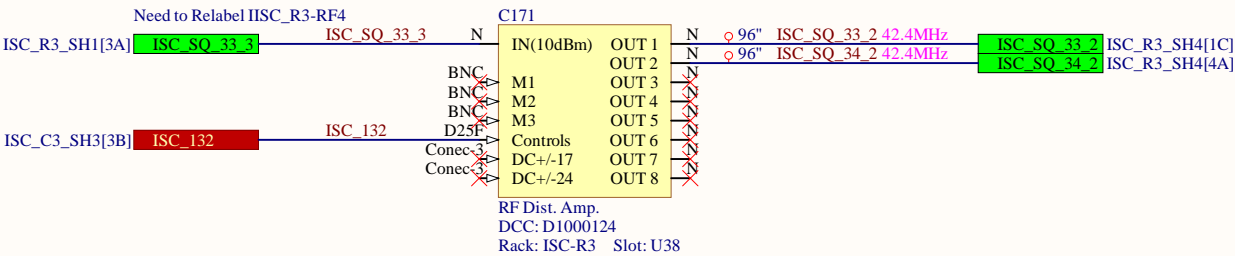
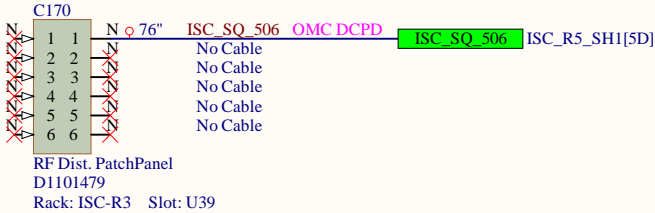
ISC-R3 Rack

Need to Relabel ISC_R3-RF4

RF Patch Panel 15



RF Patch Panel 16



Title		
ISC System Wiring Diagram		
Size	Number	Revision
B	D1900511	V7
Date:	5/11/2022	Sheet of7 38
File:	C:\Users\...\ISC_R3_SH1.SchDoc	Drawn By: Filiberto Clara

ISC-R3 Rack

A

B

C

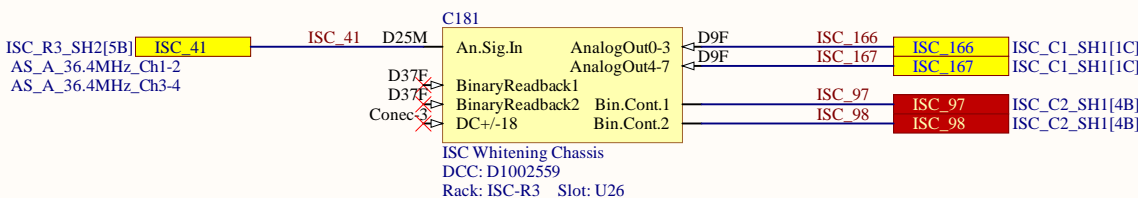
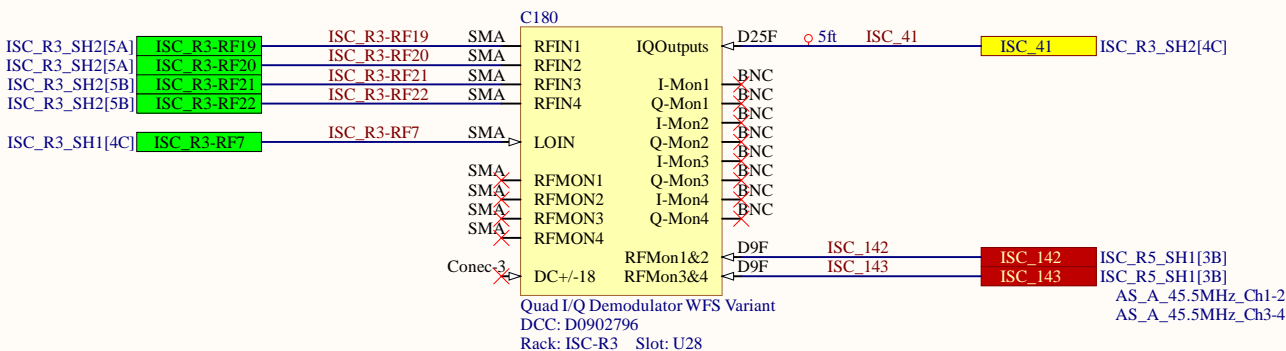
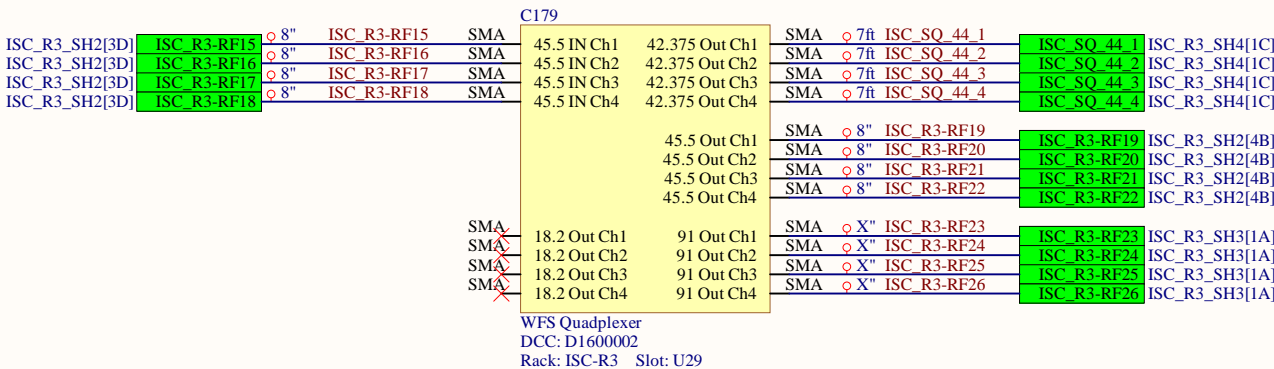
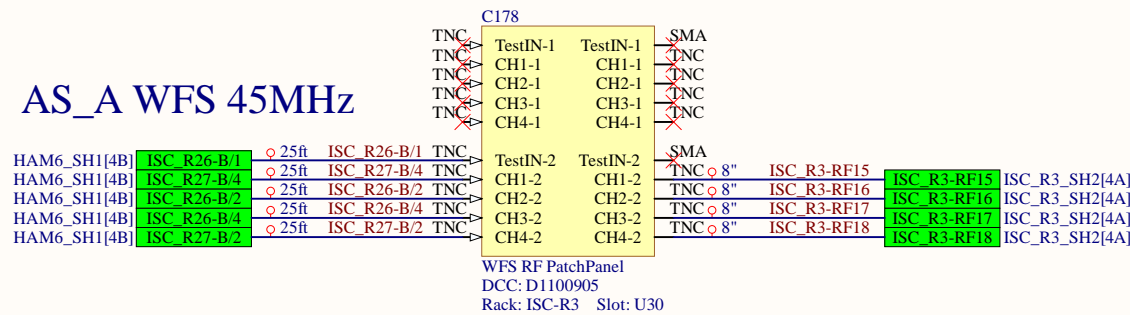
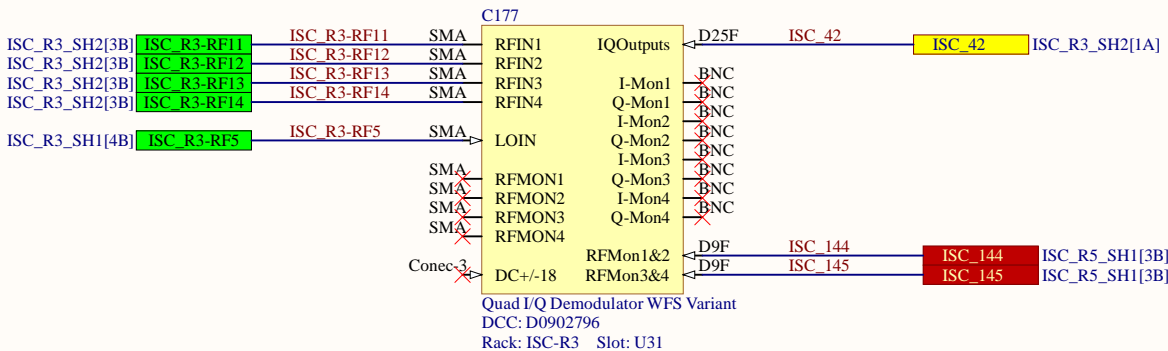
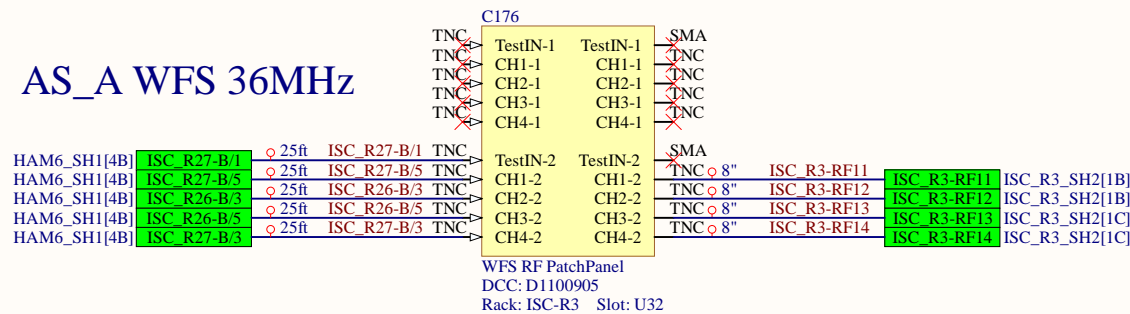
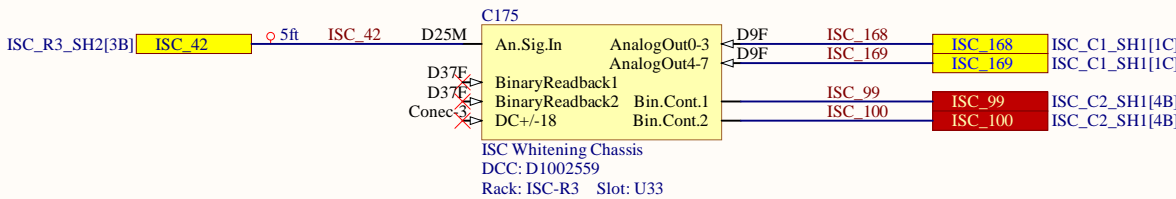
D

A

B

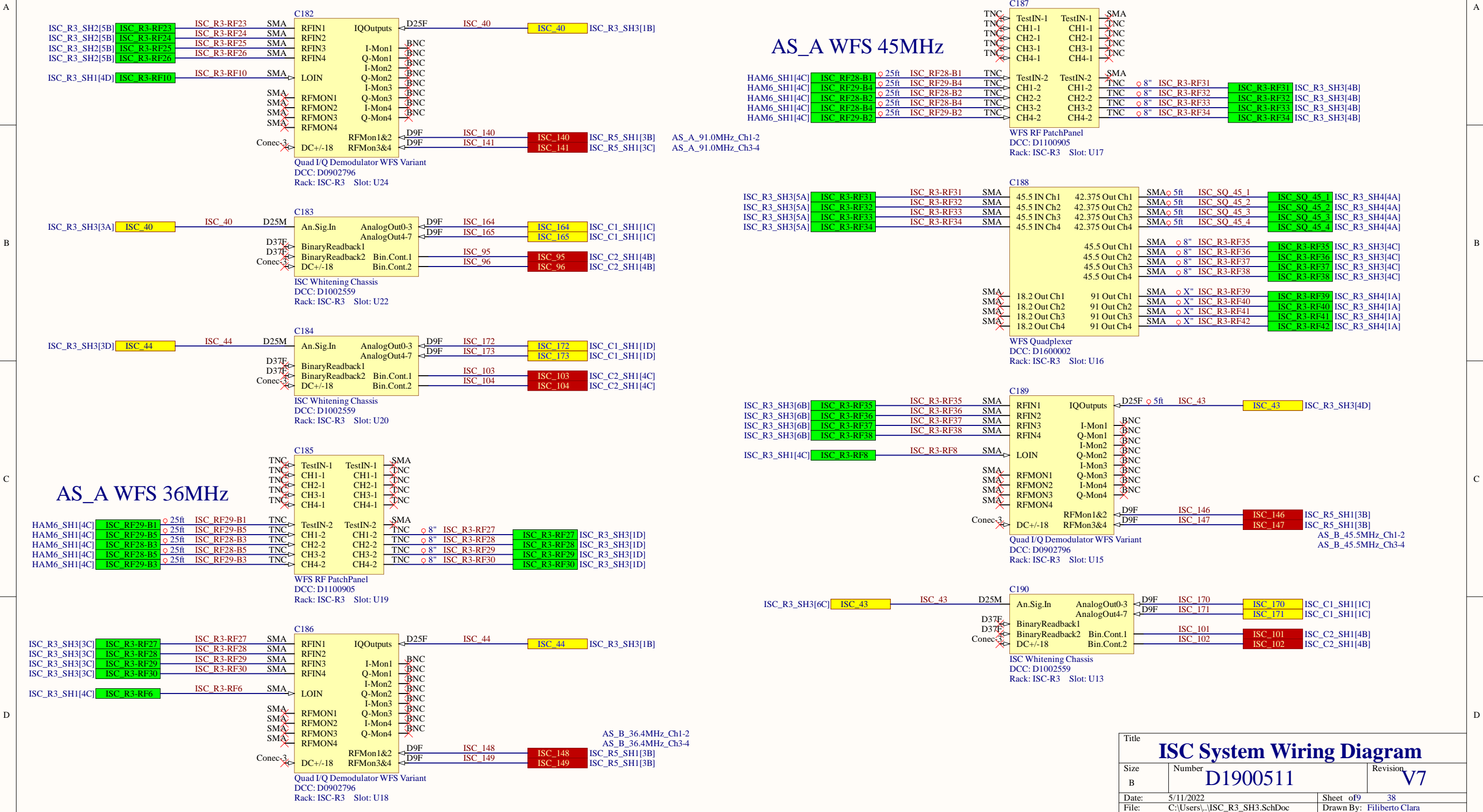
C

D



Title			
ISC System Wiring Diagram			
Size	Number	Revision	
B	D1900511	V7	
Date:	5/11/2022	Sheet of	38
File:	C:\Users\...\ISC_R3_SH2.SchDoc	Drawn By:	Filiberto Clara

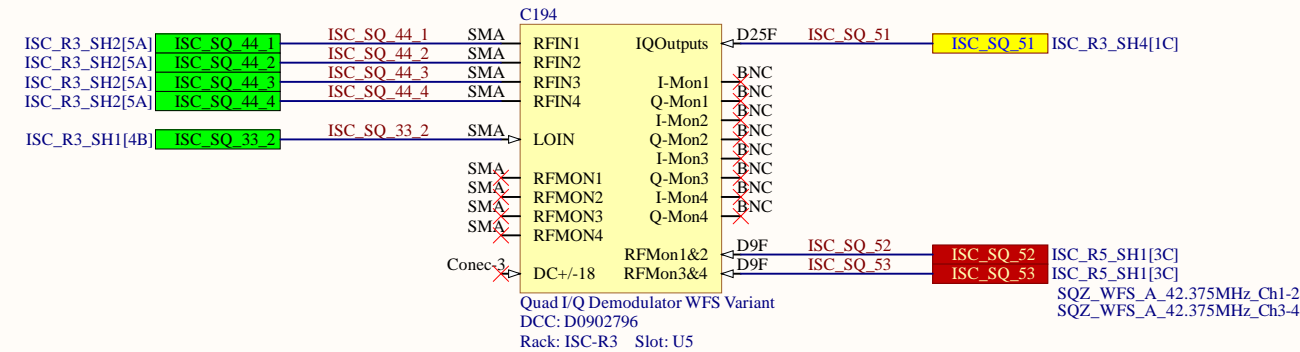
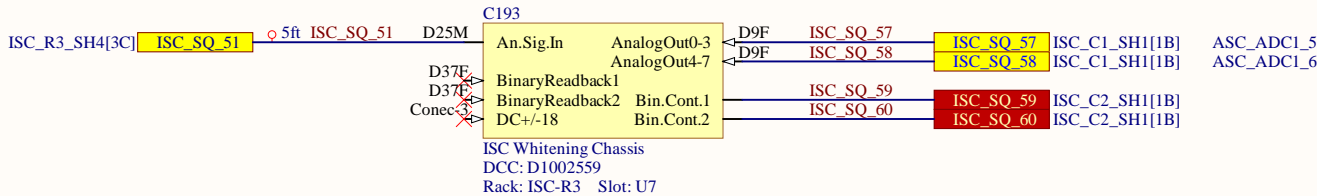
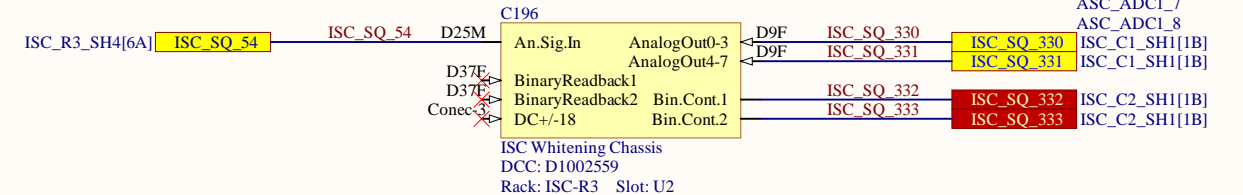
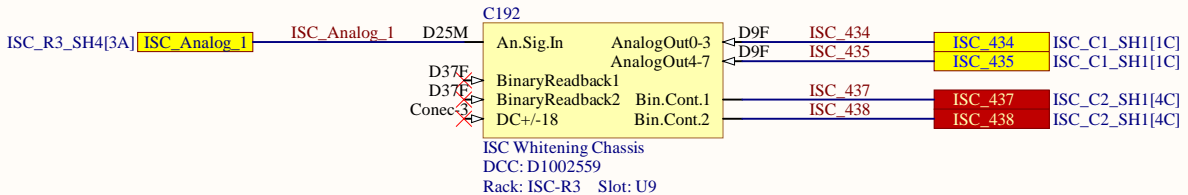
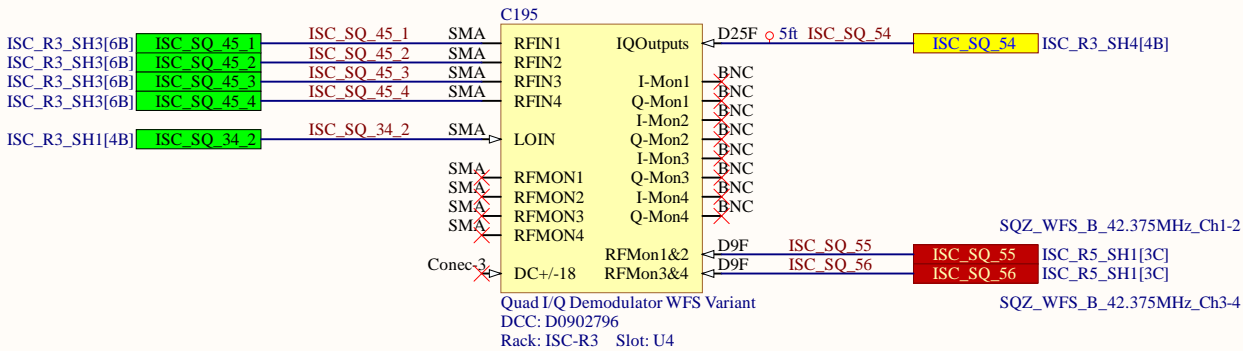
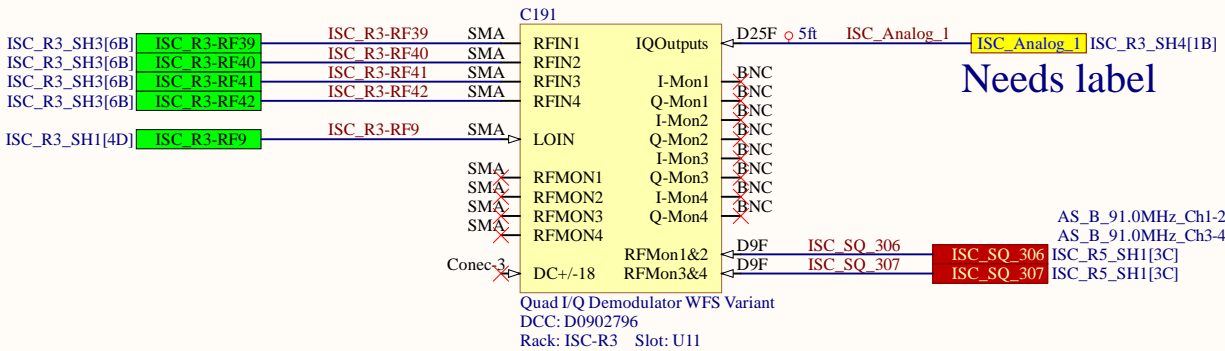
ISC-R3 Rack



ISC-R3 Rack

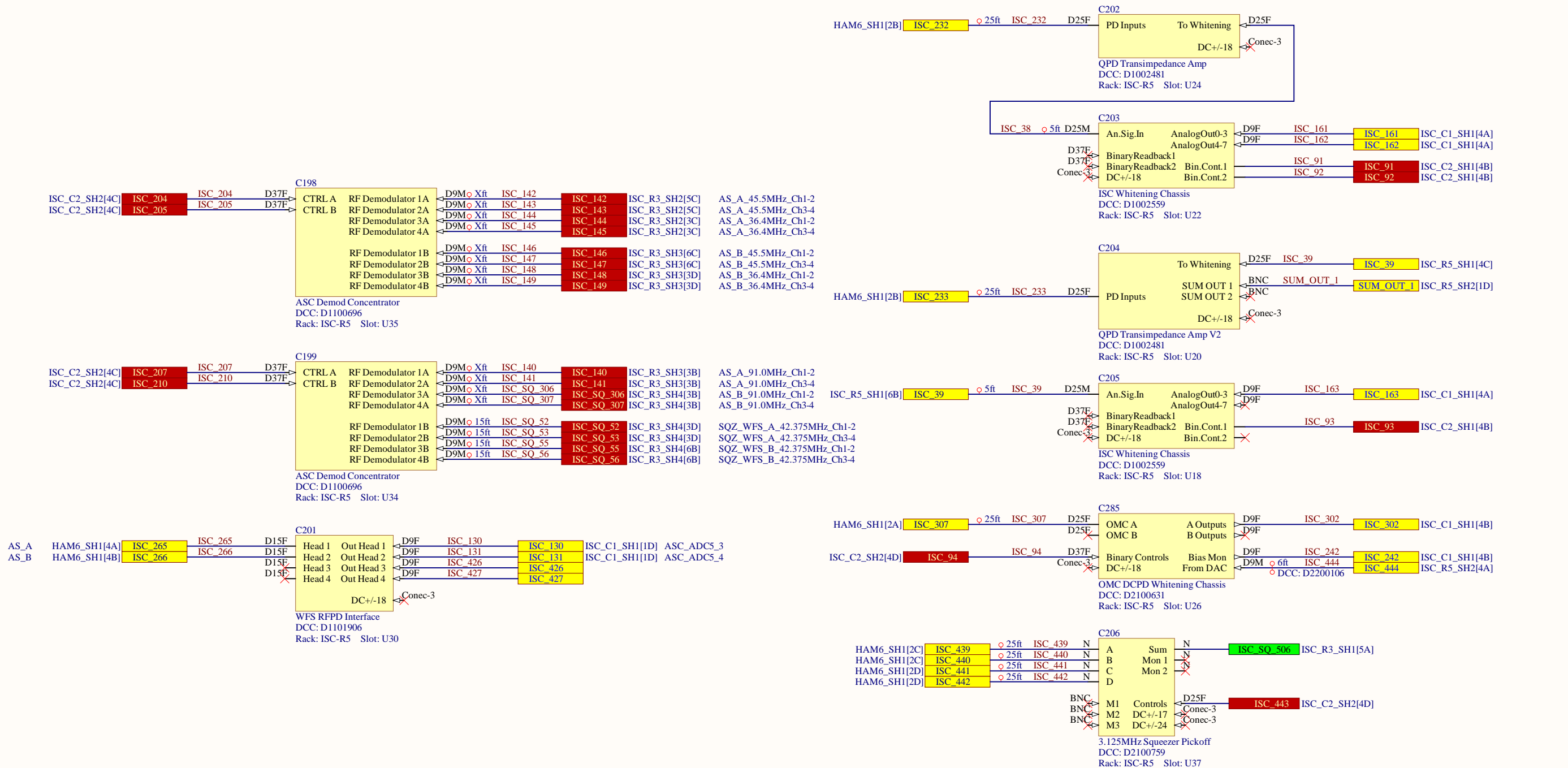
Needs labels

Needs label



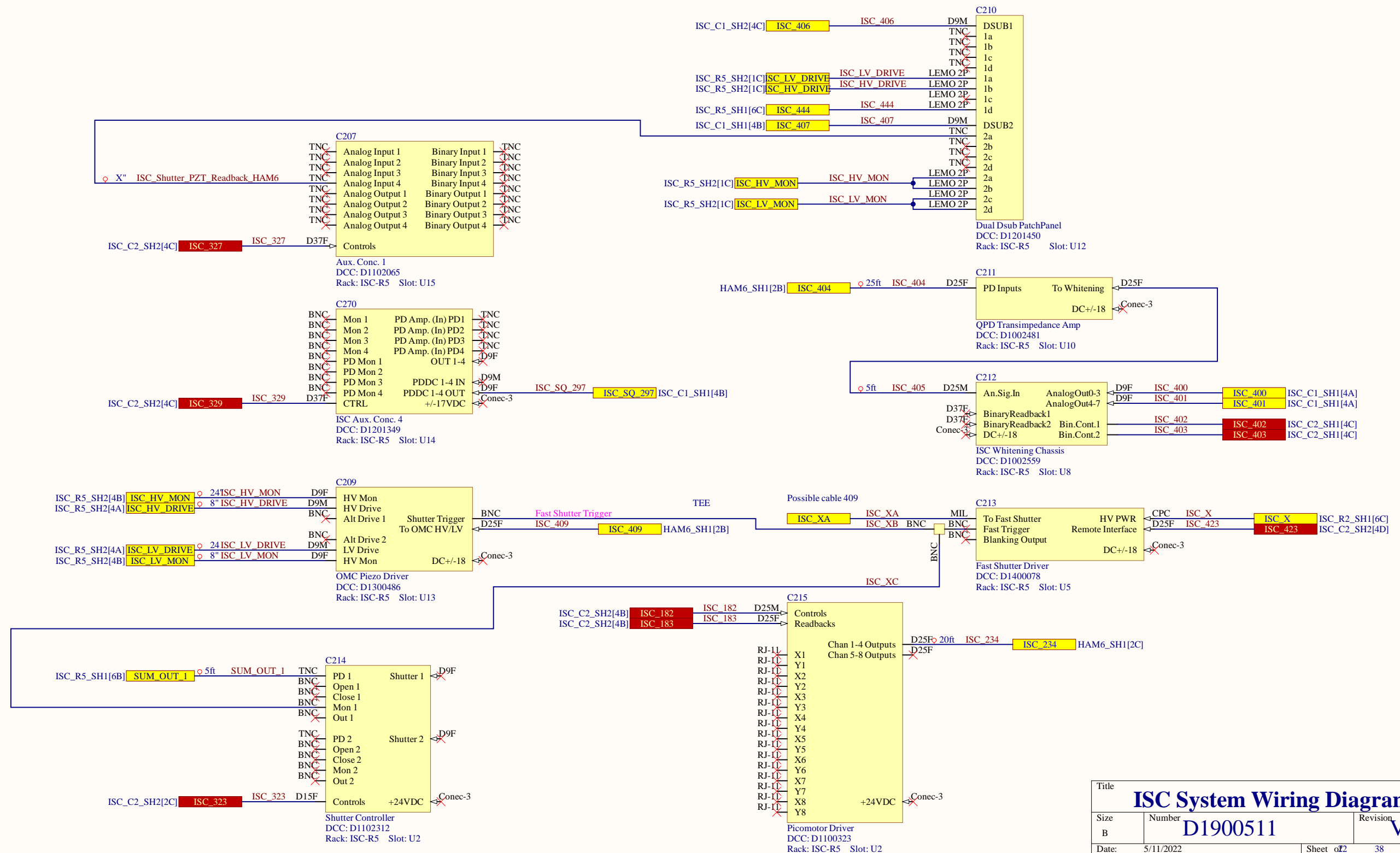
Title		
ISC System Wiring Diagram		
Size	Number	Revision
B	D1900511	V7
Date:	5/11/2022	Sheet 0038
File:	C:\Users\...ISC_R3_SH4.SchDoc	Drawn By: Filiberto Clara

ISC-R5 Rack



Title			ISC System Wiring Diagram		
Size B	Number D1900511			Revision V7	
Date:	5/11/2022			Sheet of	1 38
File:	C:\Users\...ISC_R5_SH1.SchDoc			Drawn By:	Filiberito Clara

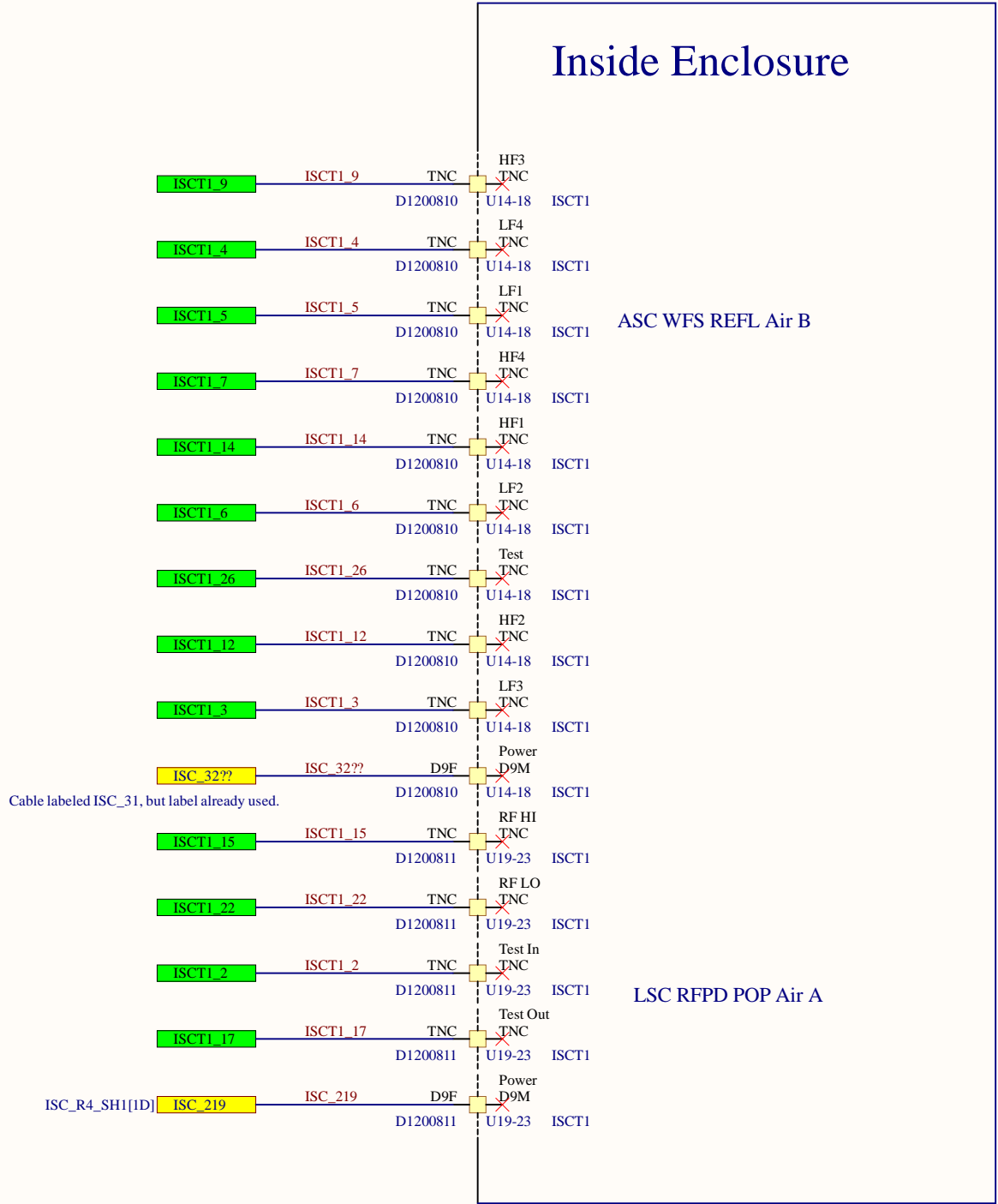
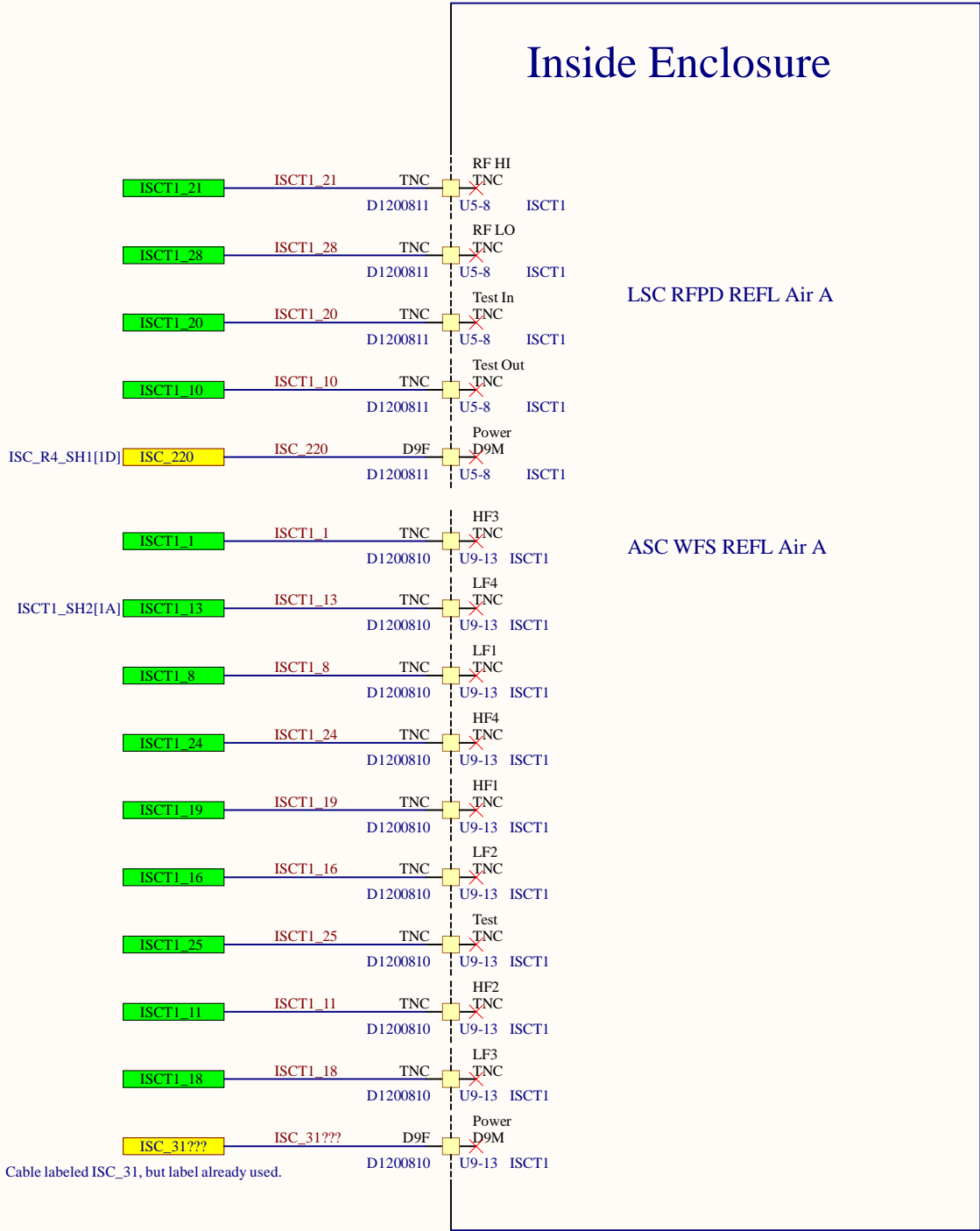
ISC-R5 Rack



ISC System Wiring Diagram

Size B	Number D1900511	Revision V7
Date:	5/11/2022	Sheet of 2 38
File:	C:\Users\...ISC_R5_SH2.SchDoc	Drawn By: Filiberto Clara

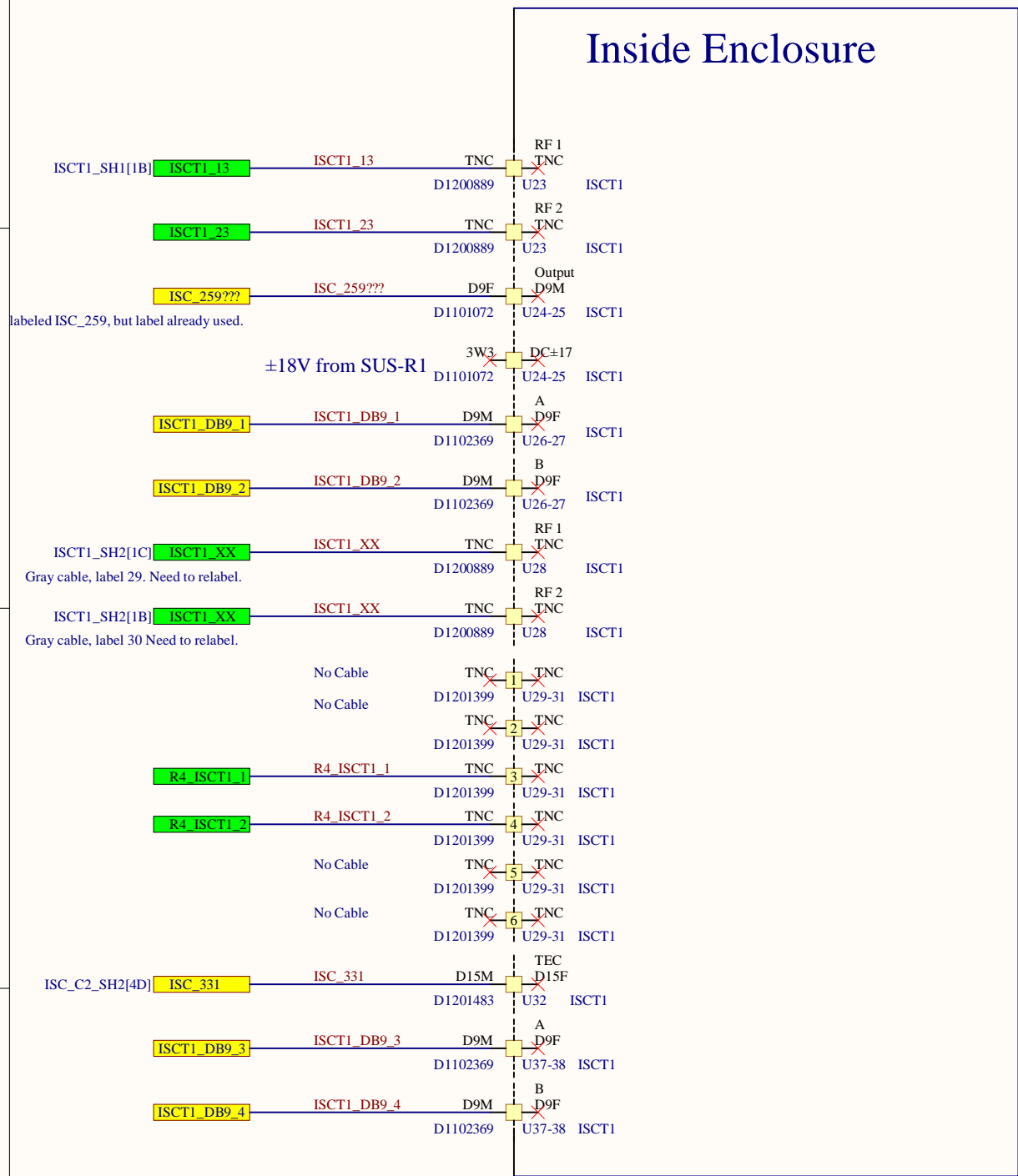
ISCT1 - Right Side



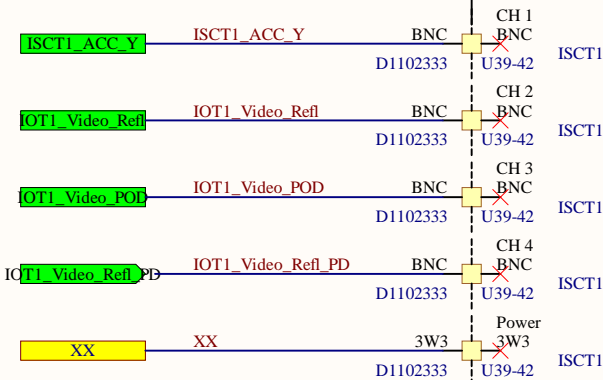
Title		
ISC System Wiring Diagram		
Size B	Number D1900511	Revision V7
Date:	5/11/2022	Sheet of 38
File:	C:\Users\...\ISCT1_SH1.SchDoc	Drawn By: Filiberto Clara

ISCT1 - Right Side

Inside Enclosure



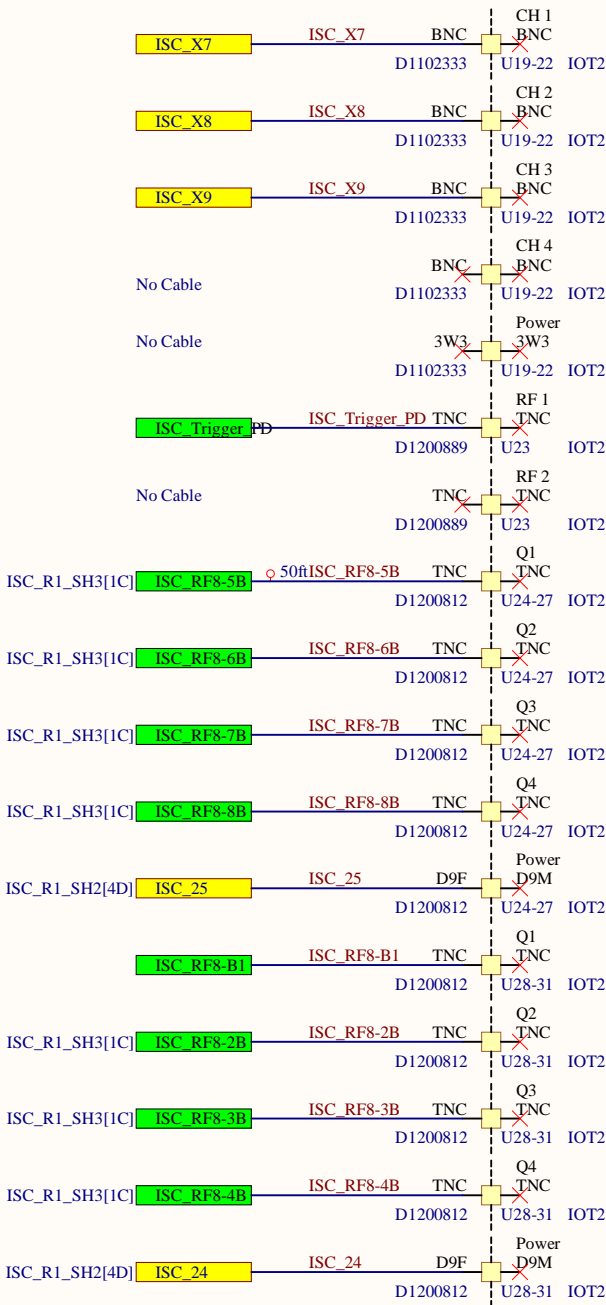
Inside Enclosure



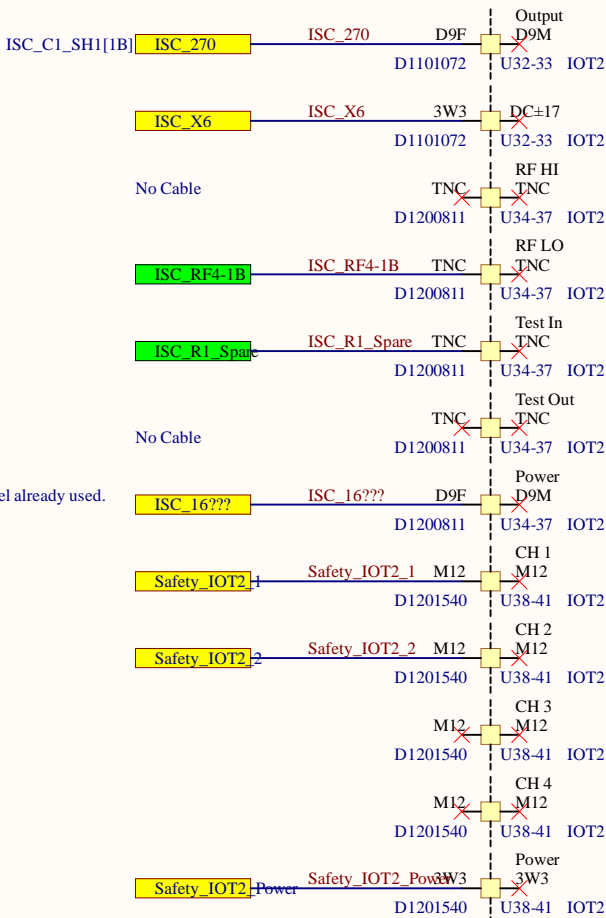
ISC System Wiring Diagram

Size	Number	Revision
B	D1900511	V7
Date:	5/11/2022	Sheet of 4 38
File:	C:\Users\...\\ISCT1_SH2.SchDoc	Drawn By: Filiberto Clara

IOT2 - Left Side



Cable labeled ISC_16, but label already used.



Title		
ISC System Wiring Diagram		
Size	Number	Revision
B	D1900511	V7
Date:	5/11/2022	Sheet of 38
File:	C:\Users\...IOT2_SH1.SchDoc	Drawn By: Filiberto Clara

HAM6 Flange Layout

DCPD

PZTs

OMC QPD

OMCR QPD

AS_C QPD

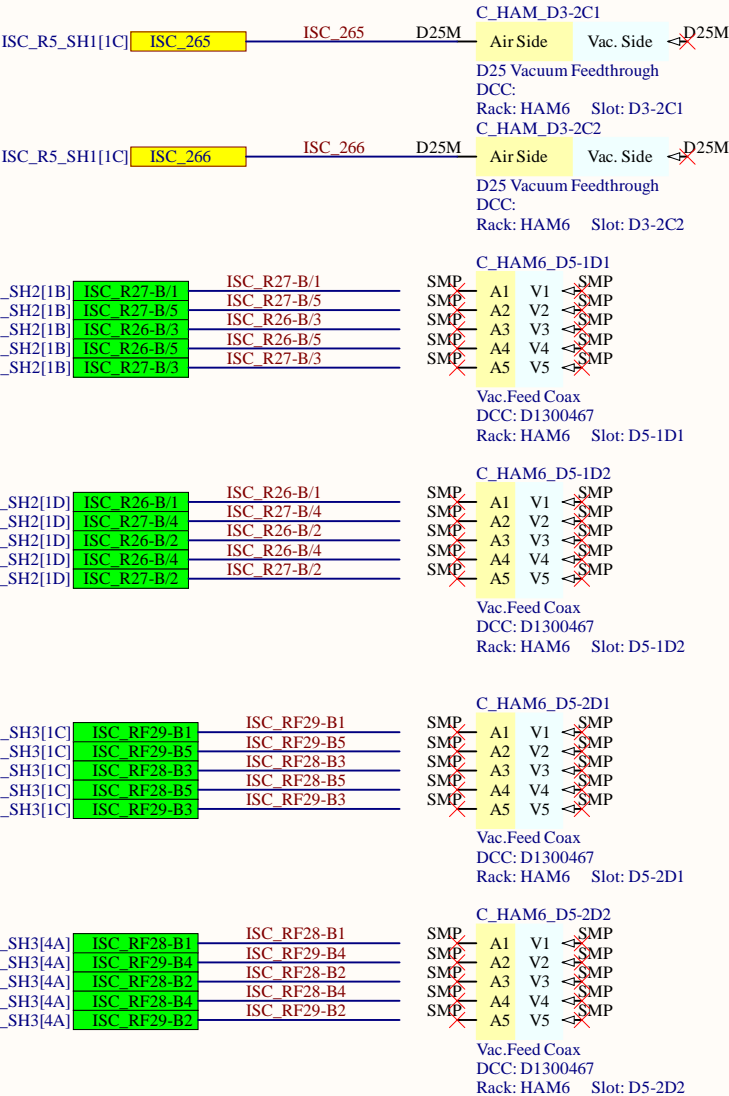
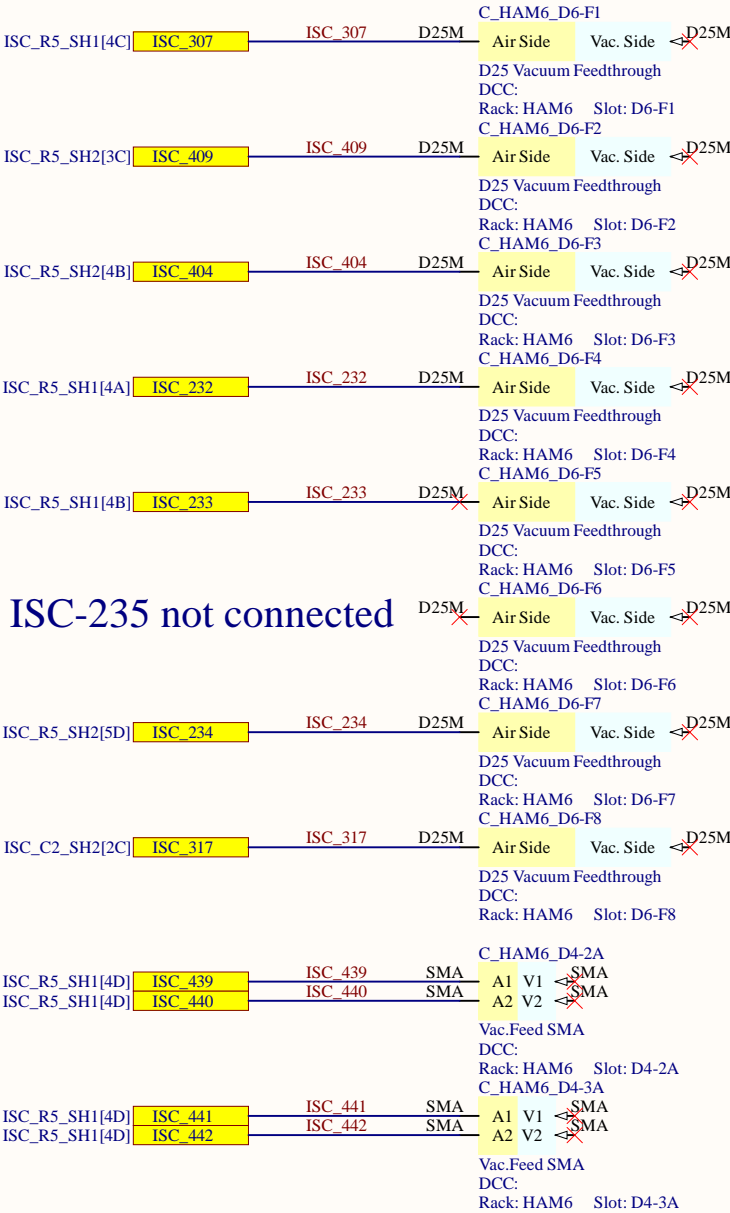
OMCR/AS
Picomotor

AS_C
Picomotor

Beam diverter

DCPD 3.1MHz A/B

DCPD 3.1MHz C/D



AS_A WFS DC

AS_B WFS DC

AS_A WFS 36MHz

AS_A WFS 45MHz

AS_B WFS 36MHz

AS_B WFS 45MHz

Need to check WFS RF!

Title		
ISC System Wiring Diagram		
Size	Number	Revision
B	D1900511	V7
Date:	5/11/2022	Sheet of 27 38
File:	C:\Users\...\\HAM6_SH1.SchDoc	Drawn By: Filiberto Clara

Key

Ties to Beckhoff

Ties to RF Distribution

Dot Identifies Cable Shield Terminating to Backshell

Pin With Triangle Indicates Pin on Rear or the Like

Pin With No Triangle Indicates Pin on Front or the Like

Light Blue Symbols Are In-Vacuum

Yellow Symbols Are In-Air

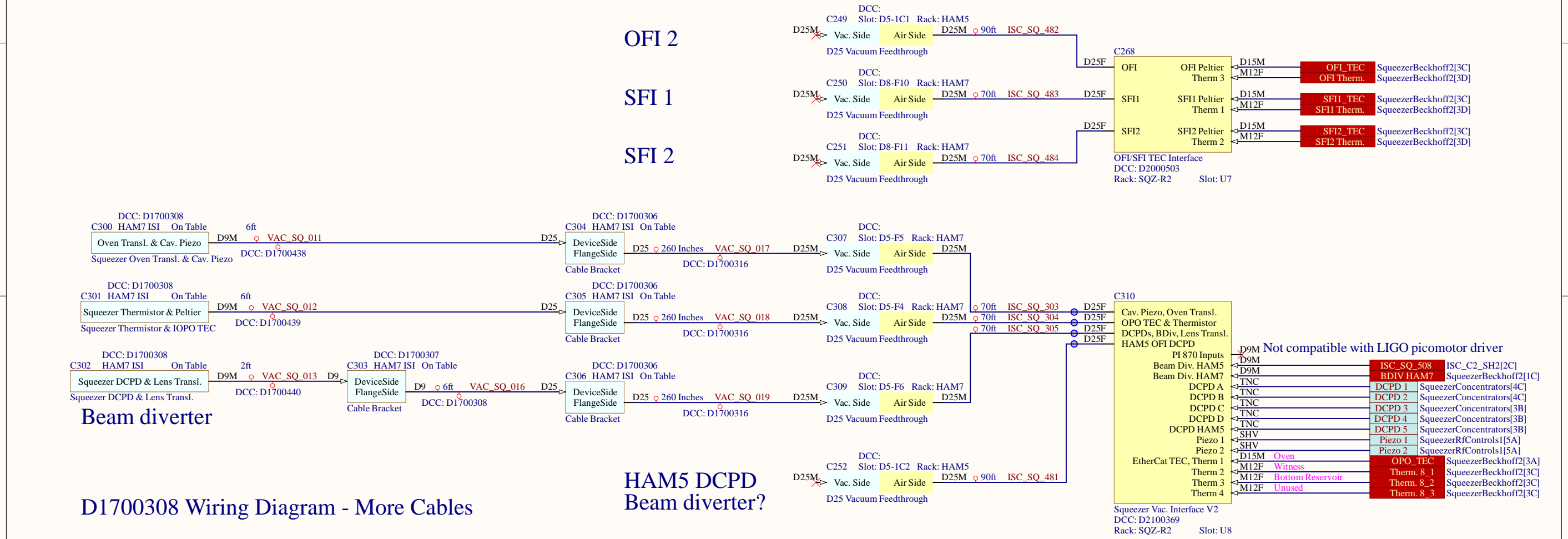
Title		
Squeezer Wavefront Sensing		
Size	Number	Revision
B	D1900511	V7
Date:	5/11/2022	Sheet of 28 38
File:	C:\Users\...\SqueezerWfsWiring.SchDoc	Drawn By: R. Abbott

A

B

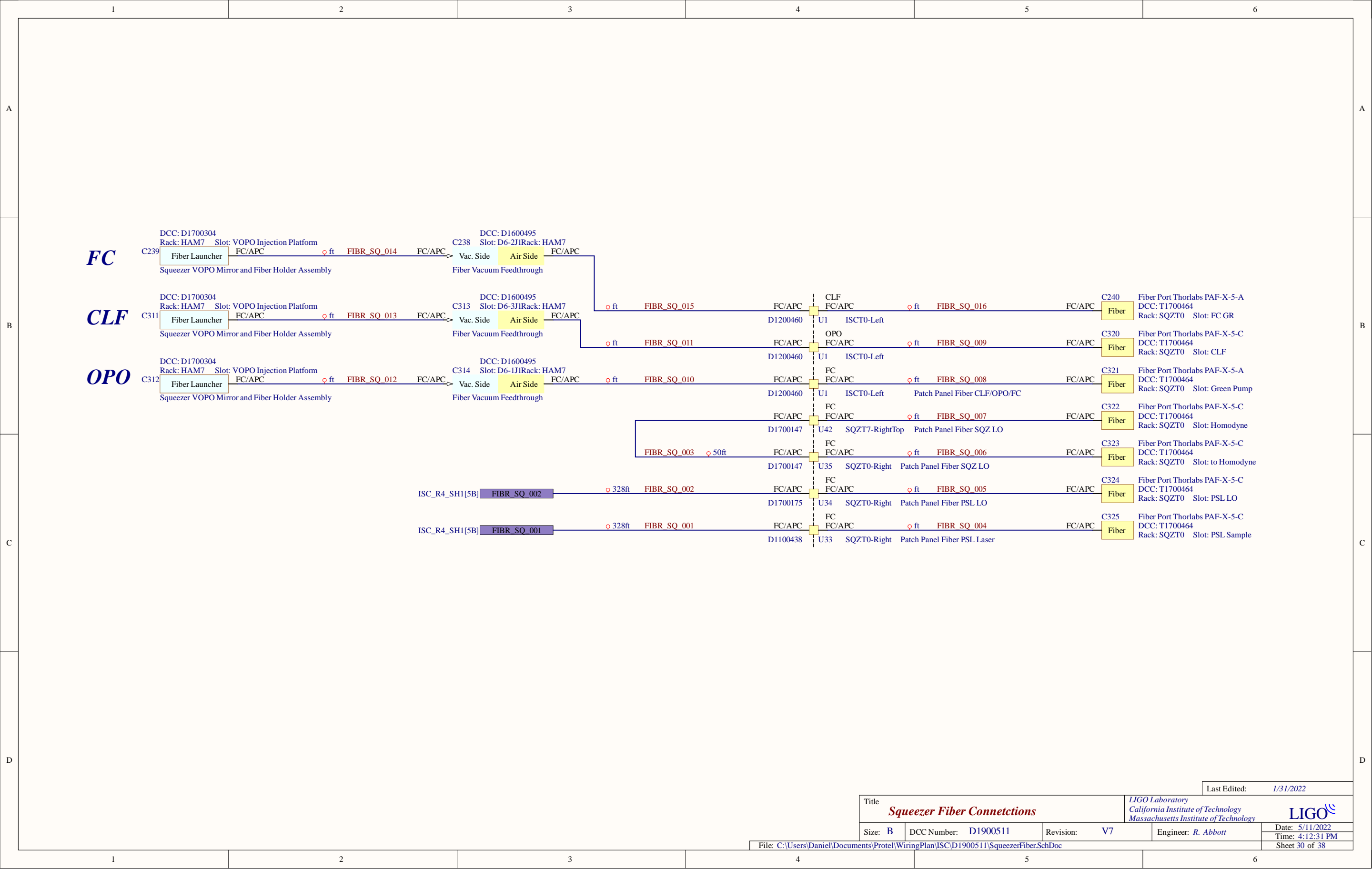
C

D



Ties to Beckhoff

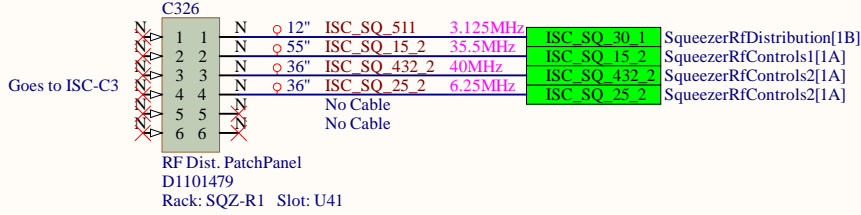
	LHO	LLO
DCPD A	Green pump	Green pump
DCPD B	Red CLF	Red CLF
DCPD C	Green FC	Green FC
DCPD D	OFI_A HAM7	OFI_A HAM7
DCPD HAM5	OFI_B HAM5	OFI_B HAM5



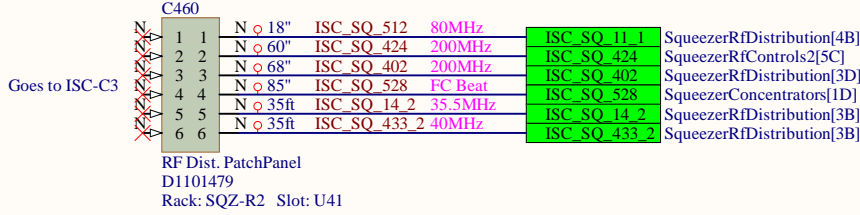
A

A

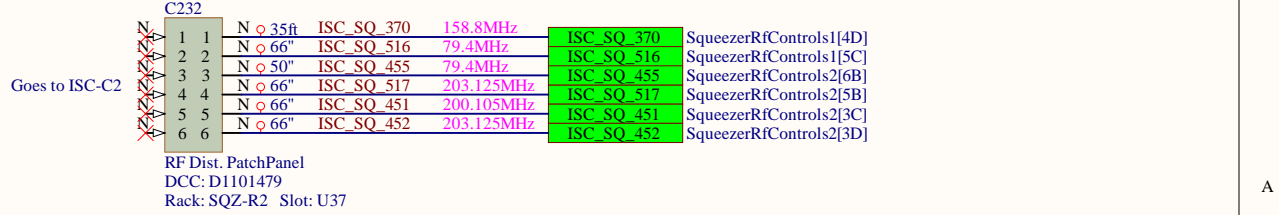
RF Patch Panel 34



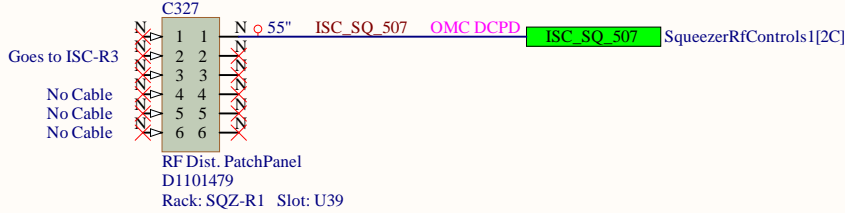
RF Patch Panel 36



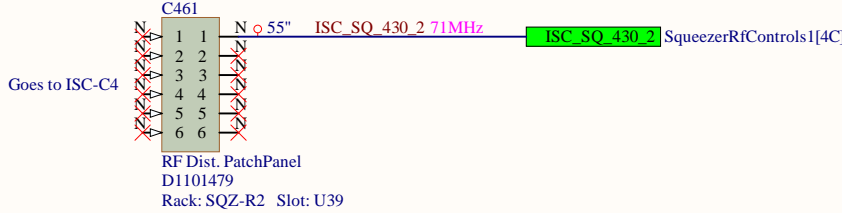
RF Patch Panel 38



RF Patch Panel 35



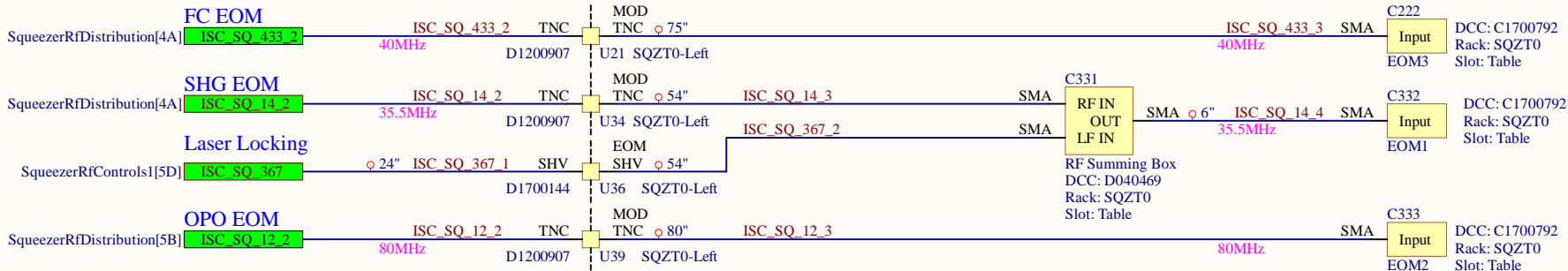
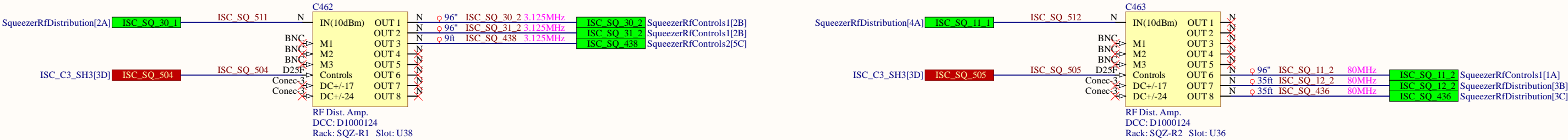
RF Patch Panel 37



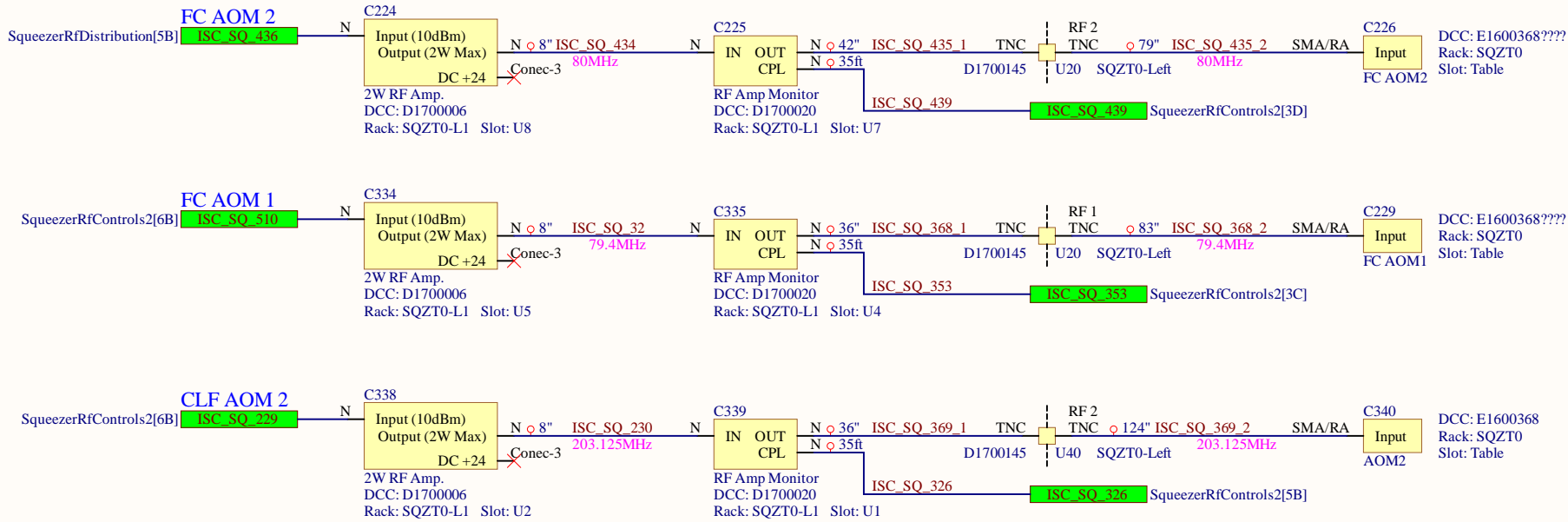
New cables for A_ start at ISC_SQ_430

B

B



Part Number??



RF cables carrying the AOM signals need to be 1/4" superflexible helical corrugated coax.

C

C

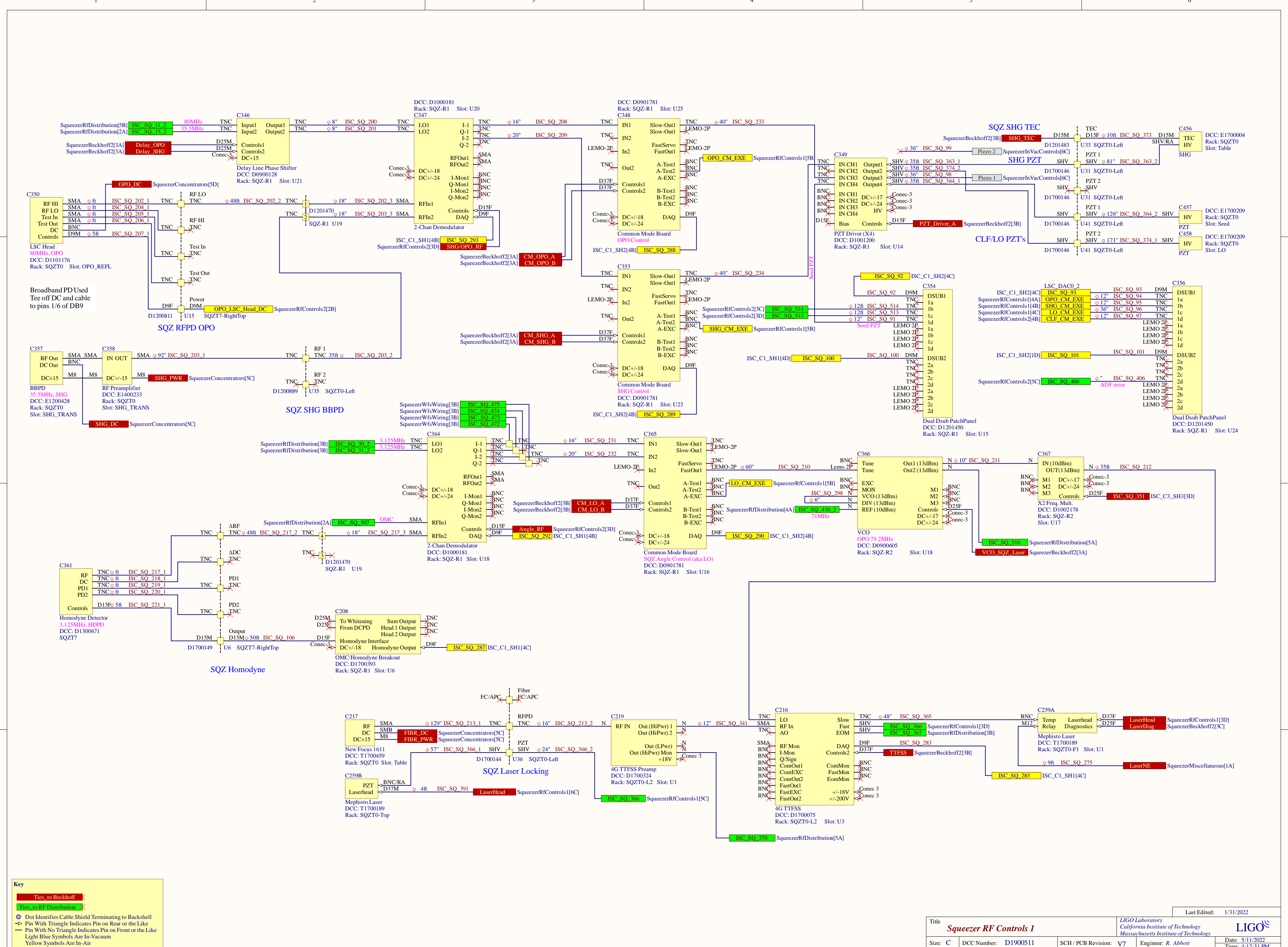
D

D

Key

- Ties to Beckhoff
- Ties to RF Controls or WFS Wiring
- Dot Identifies Cable Shield Terminating to Backshell
- Pin With Triangle Indicates Pin on Rear or the Like
- Pin With No Triangle Indicates Pin on Front or the Like
- Light Blue Symbols Are In-Vacuum
- Yellow Symbols Are In-Air

Title		
Squeezer RF Distribution		
Size	Number	Revision
C	D1900511	V7
Date:	5/11/2022	Sheet of 31 38
File:	C:\Users\...\SqueezerRfDistribution.SchDpDrawn By: R. Abbott	



Key

Ties to Beckhoff

Ties to RF Distribution

Dot Identifies Cable Shield Terminating to Backshell

Pin With Triangle Indicates Pin on Rear or the Like

Pin With No Triangle Indicates Pin on Front or the Like

Light Blue Symbols Are In-Vacuum

Yellow Symbols Are In-Air

A

B

C

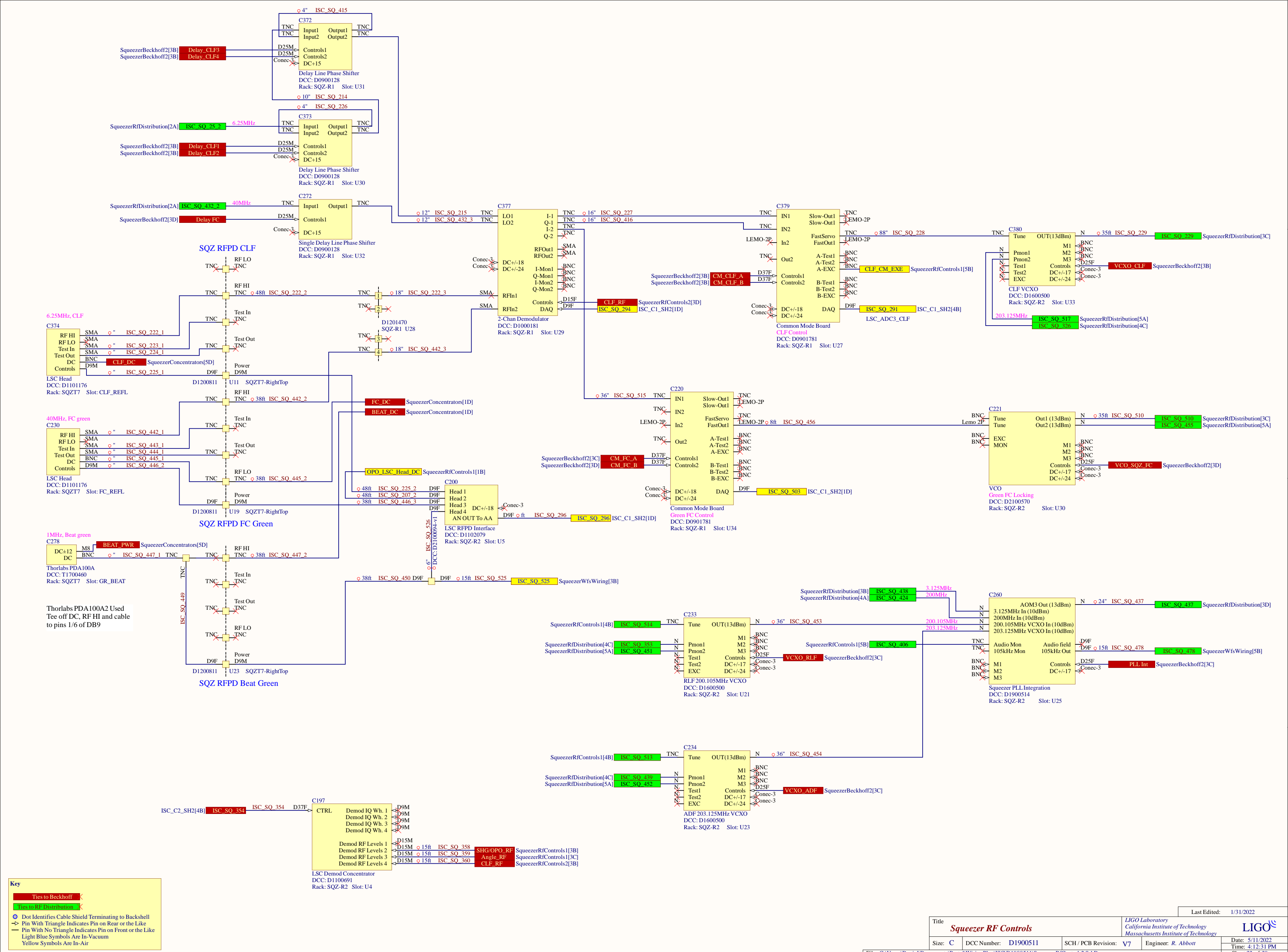
D

A

B

C

D



A

B

C

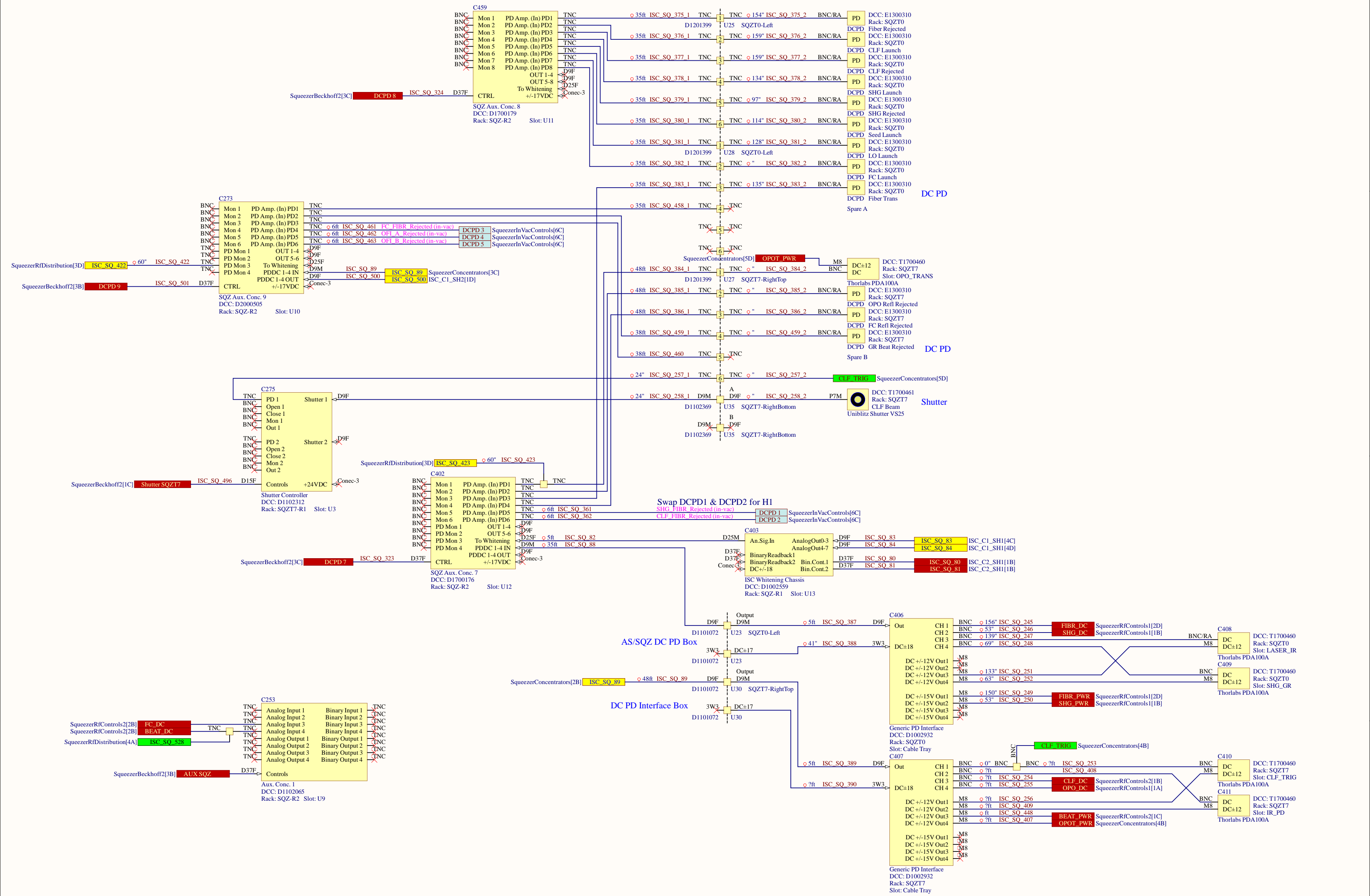
D

A

B

C

D



Key

Ties to Other Sheets

Dot Identifies Cable Shield Terminating to Backshell

Pin With Triangle Indicates Pin on Rear or the Like

Pin With No Triangle Indicates Pin on Front or the Like

Light Blue Symbols Are In-Vacuum

Yellow Symbols Are In-Air

