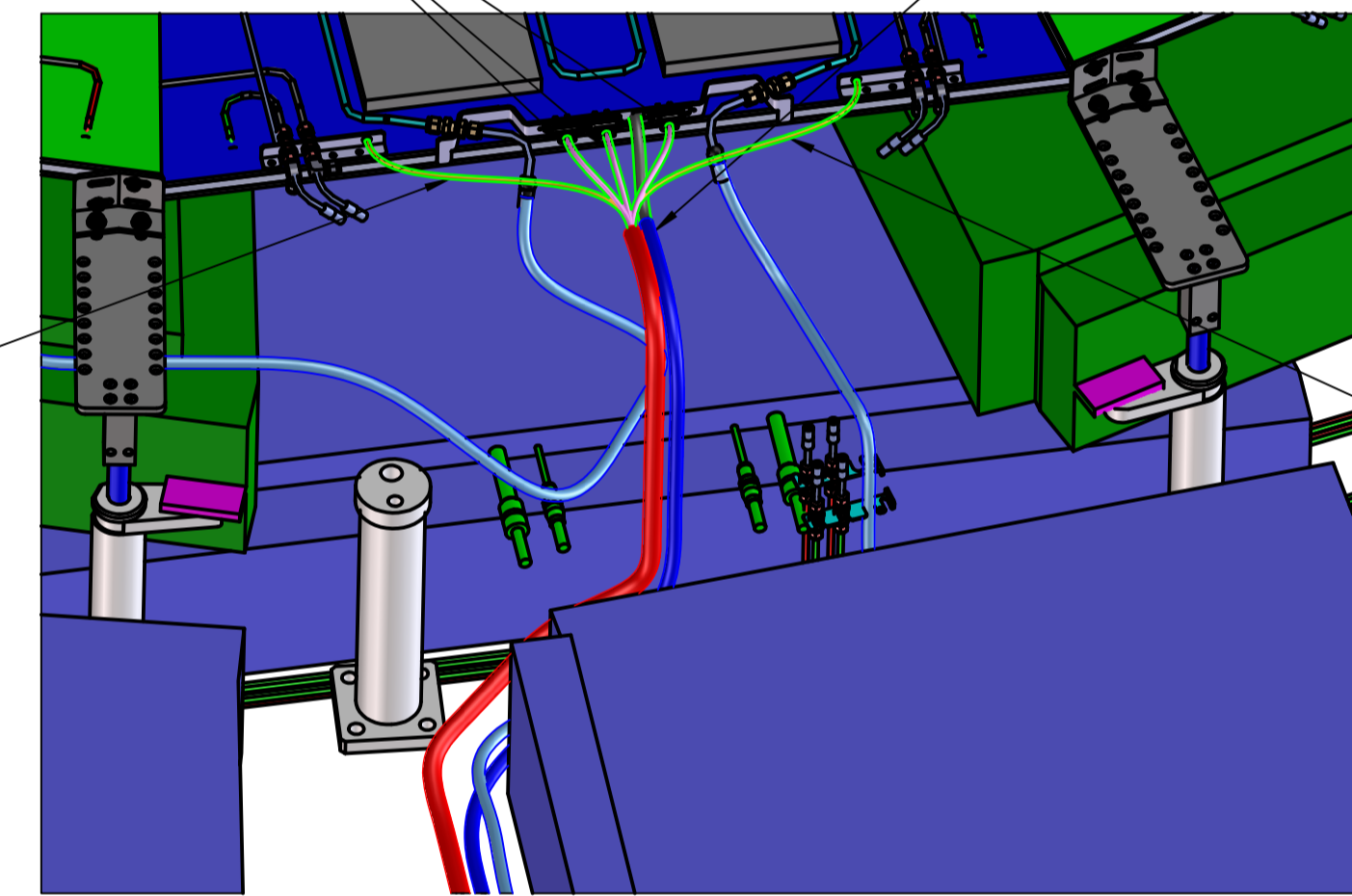
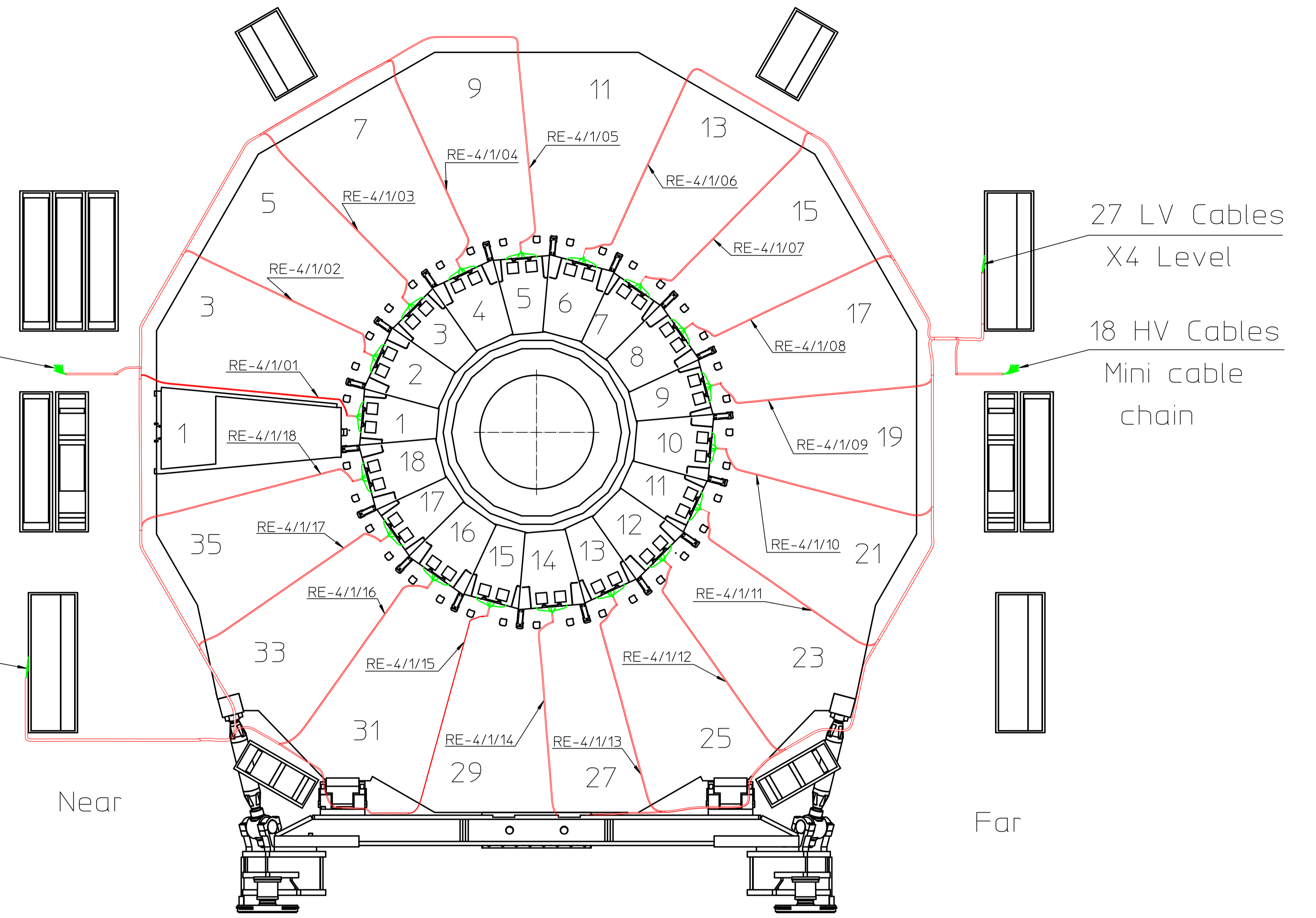


27 LV Cables X4 Level

18 HV Cables Mini cable chain

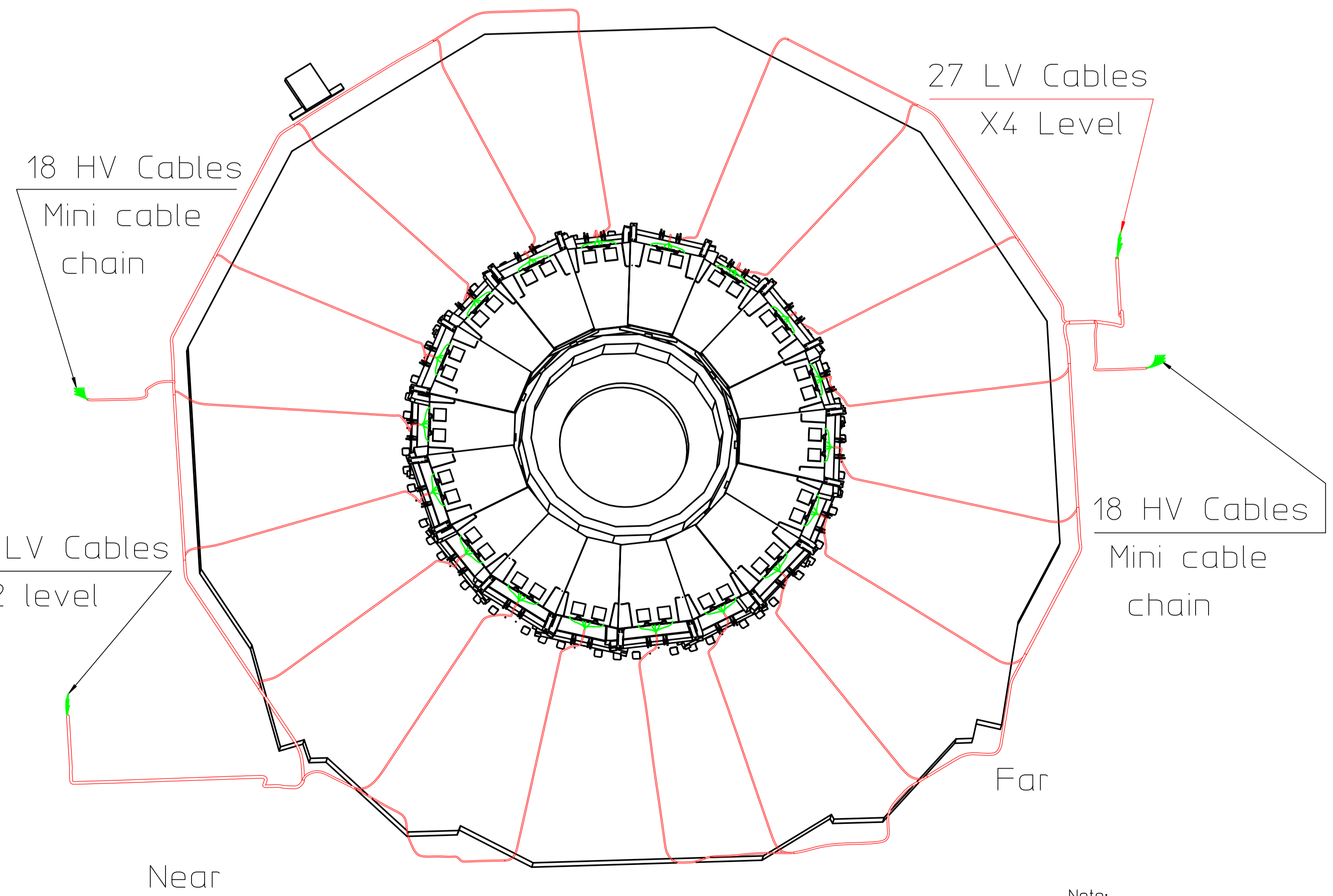
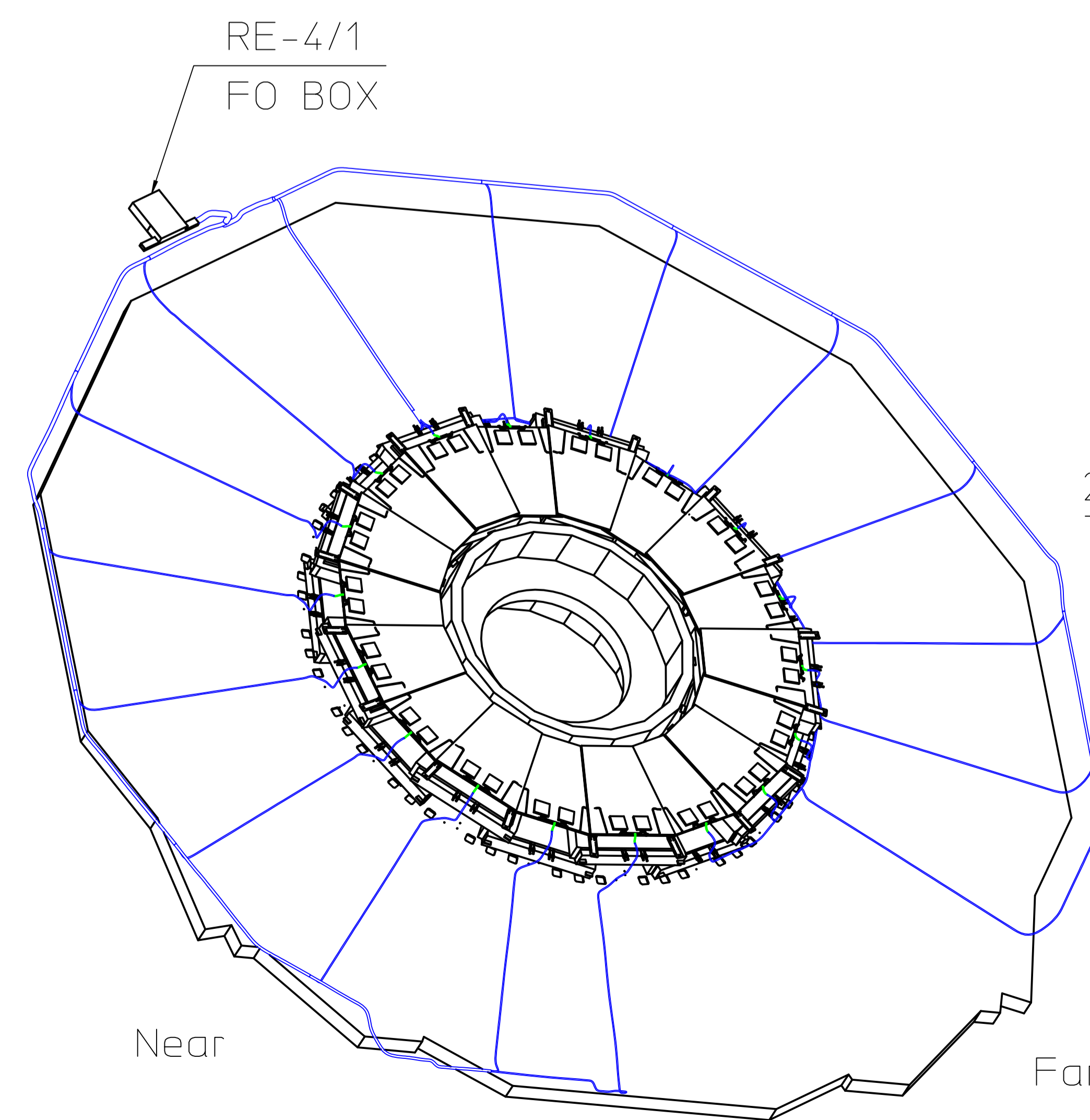
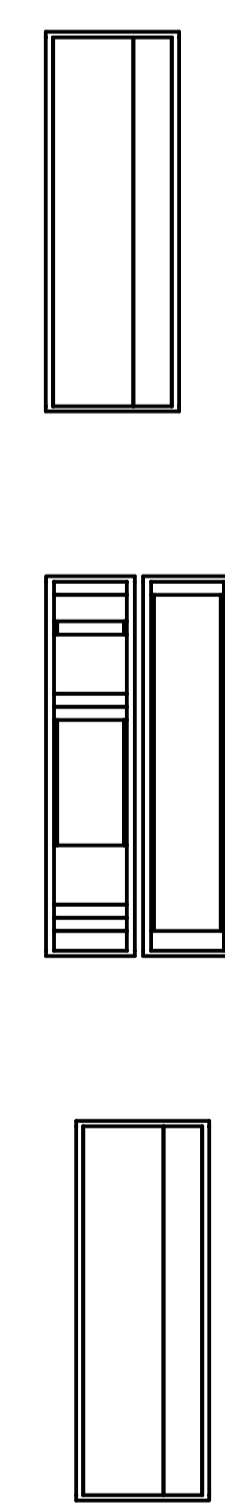
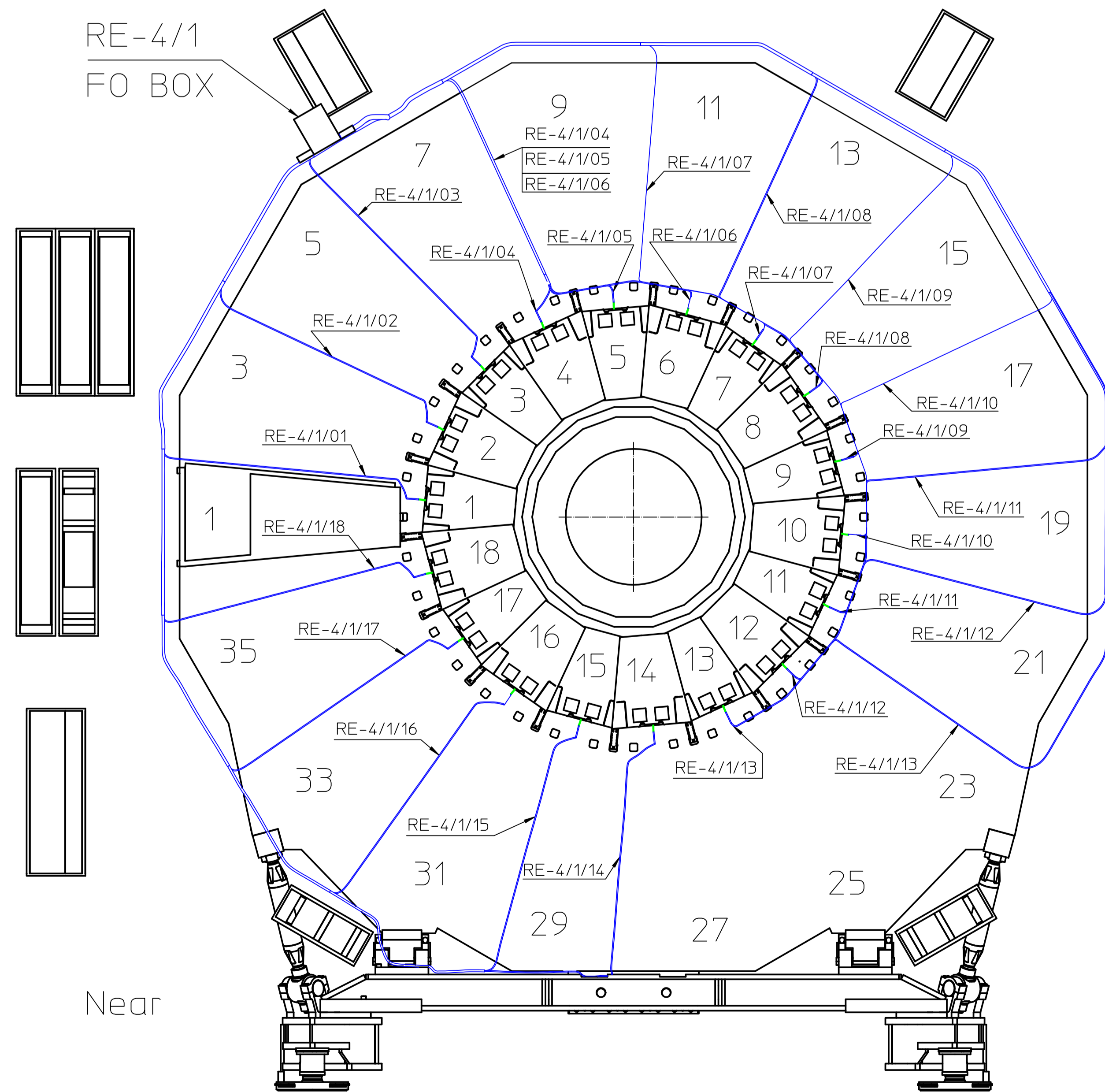
18 HV Cables Mini cable chain

27 LV Cables X2 level



HV Cable

HV Cable



Note:  
 HV - High Voltage cables  
 LV - Low Voltage cables  
 FO - Fibre Optic cables

ORGANIZATION: EUROPEAN ORGANIZATION FOR NUCLEAR RESEARCH  
 PROJECT: LHC  
 DRAWING NO: RE-4/1 Cables Assembly drawing  
 SCALE: 1:50  
 DATE: 2020-02-20  
 AUTHOR: [Name]  
 CHECKED: [Name]  
 APPROVED: [Name]  
 REVISIONS: [Table]  
 THE DRAWING IS THE PROPERTY OF EUROPEAN ORGANIZATION FOR NUCLEAR RESEARCH AND IS NOT TO BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, INCLUDING PHOTOCOPYING, RECORDING, OR BY ANY INFORMATION STORAGE AND RETRIEVAL SYSTEM, WITHOUT PERMISSION IN WRITING FROM EUROPEAN ORGANIZATION FOR NUCLEAR RESEARCH.

EDITION	SCALE	REVISION	DATE
1	1:50	DESIGN	2020-02-20
2	1:50	CONTROLLED	
3	1:50	RELEASED	
4	1:50	APPROVED	
5	1:50	REPLACE/REPLACES	

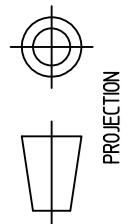
RE-4/1 Cables Assembly drawing

VALID FOR EXECUTION

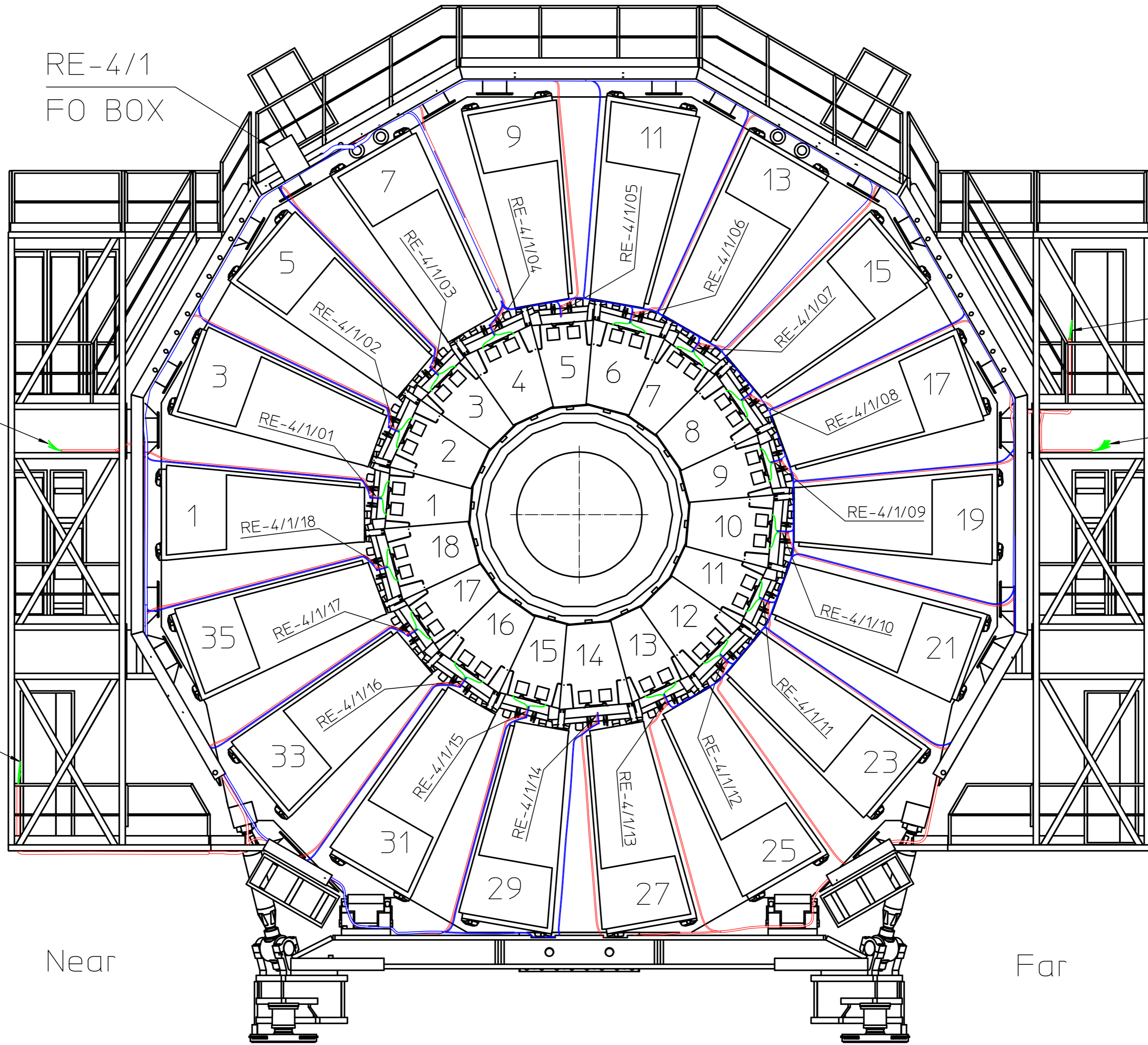
SIZE: A0

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TOLENCES	± 0.1	± 0.2	± 0.3	± 0.5	± 0.8	± 1.2	± 2
MECANO. Soudure/Welded Structure	± 0.5	± 1	± 2	± 3	± 5	± 7	± 10

DESSIN, RUGOSITE, TOLERANCES  
SELON NORMES ISO  
DRAWING, RUGOSITY, TOLERANCES  
ACCORDING TO ISO STANDARDS



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RE-4/1  
FO BOX

18 HV Cables  
Mini cable  
chain

27 LV Cables  
X2 level

27 LV Cables  
X4 Level

18 HV Cables  
Mini cable  
chain

Near

Far

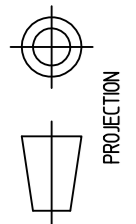
RE-4 to IP

Note:  
HV - High Voltage cables  
LV - Low Voltage cables  
FO - Fibre Optic cables

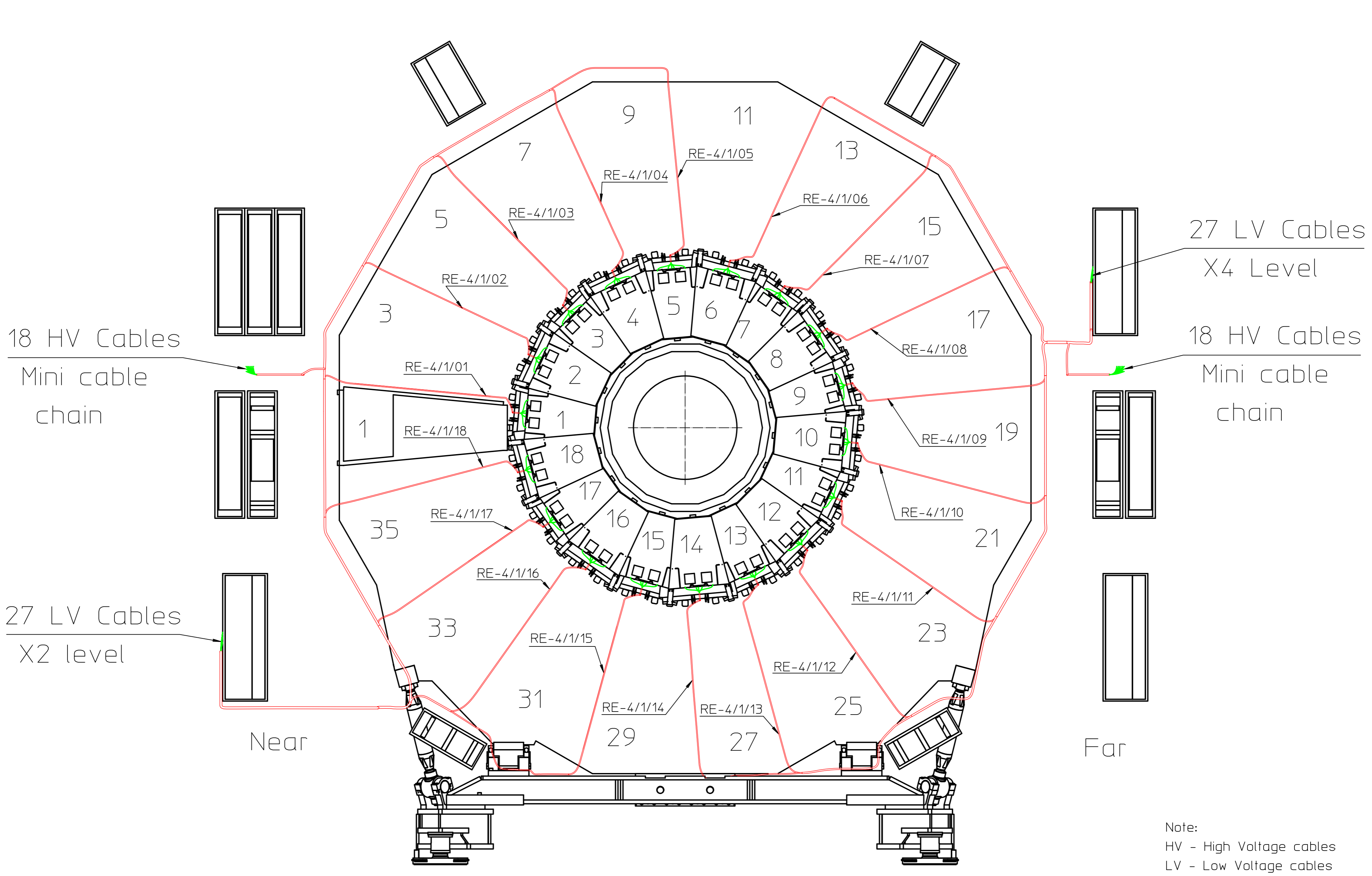
DETECTOR INTEGRATION-INFRASTRUCTURE-MECHANICS		ECHELLE SCALE 150	DES/DRA. CONTROLLED	I.Mihaylov	2.10.2020
RE-4/1 Cables Assembly drawing			RELEASED		
			APPROVED		
			O/S		
			REPLACE/REPLACES		
VALABLE POUR EXECUTION VALID FOR EXECUTION			SIZE A2	IND.	

DIMENSION	<=6	>6	>30	>100	>315	>1000	>2000
TOLEANCES	±0.1	±0.2	±0.3	±0.5	±0.8	±1.2	±2
GENERAL TOLERANCES	MECANO: Soudure/Welded Structure ±0.5						

DESSIN, RUGOSITE, TOLERANCES  
SELON NORMES ISO  
DRAWING, RUGOSITY, TOLERANCES  
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18 HV Cables  
Mini cable chain

27 LV Cables  
X2 level

27 LV Cables  
X4 Level

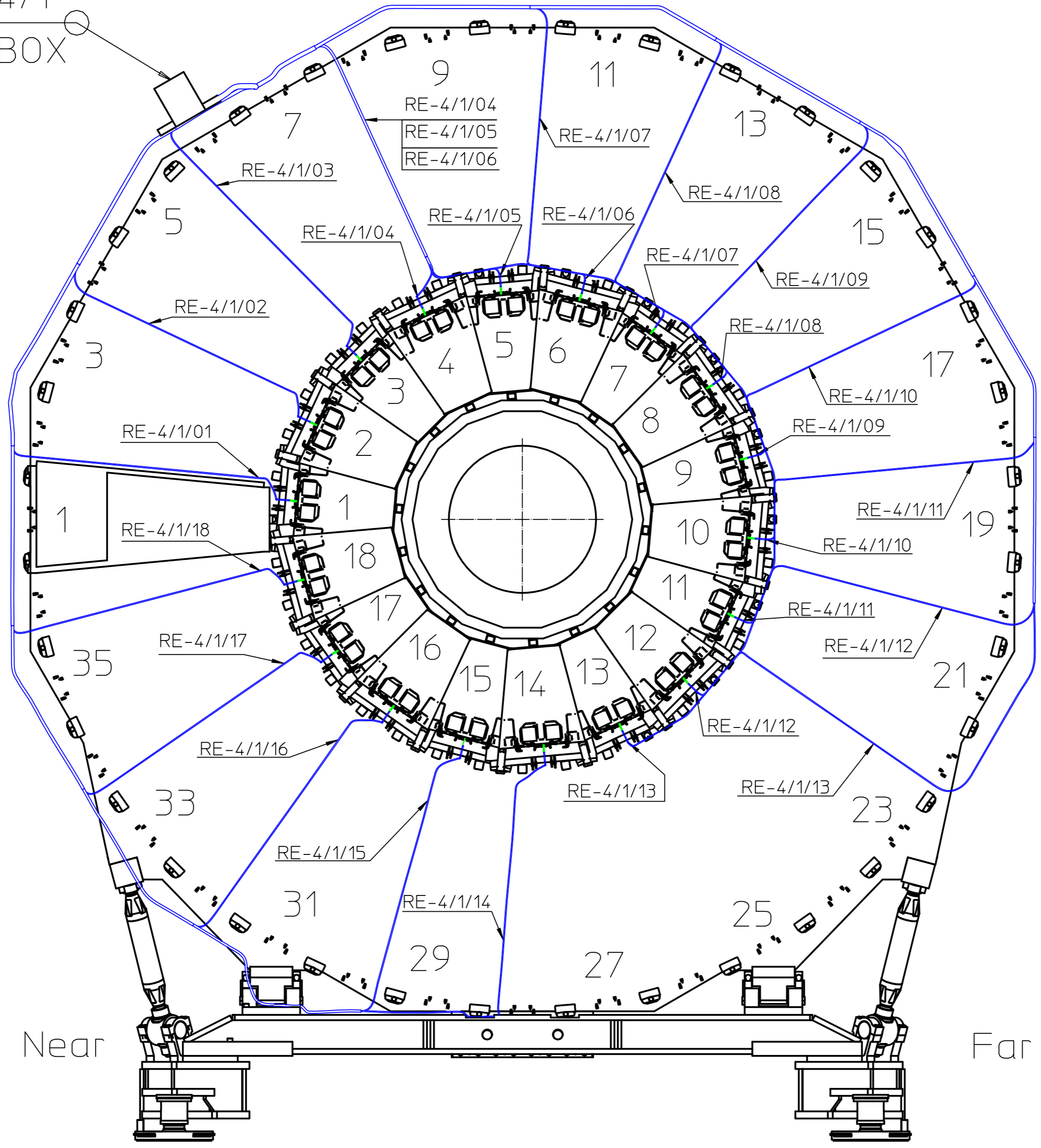
18 HV Cables  
Mini cable chain

HV & LV

Note:  
HV - High Voltage cables  
LV - Low Voltage cables

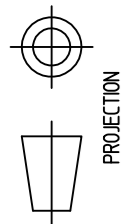
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RE-4/1 HV & LV Cables Assembly drawing			RELEASED		
			APPROVED		
			O/S		
			REPLACE/REPLACES		
VALABLE POUR EXECUTION VALID FOR EXECUTION			SIZE A2	IND.	

RE-4/1  
FO BOX



DIMENSION	<= 6	> 6	> 30	> 100	> 315	> 1000	> 2000
USINAGE MOYEN/MEDIUM MACHINING	± 0.1	± 0.2	± 0.3	± 0.5	± 0.8	± 1.2	± 2
MECANO. Soudure/WELDED STRUCTURE	± 0.5	± 1	± 2	± 3	± 5	± 7	± 10

DESSIN, RUGOSITE, TOLERANCES  
SELON NORMES ISO  
DRAWING, RUGOSITY, TOLERANCES  
ACCORDING TO ISO STANDARDS



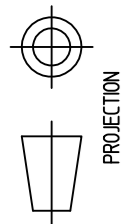
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Note:  
FO - Fibre Optic cables

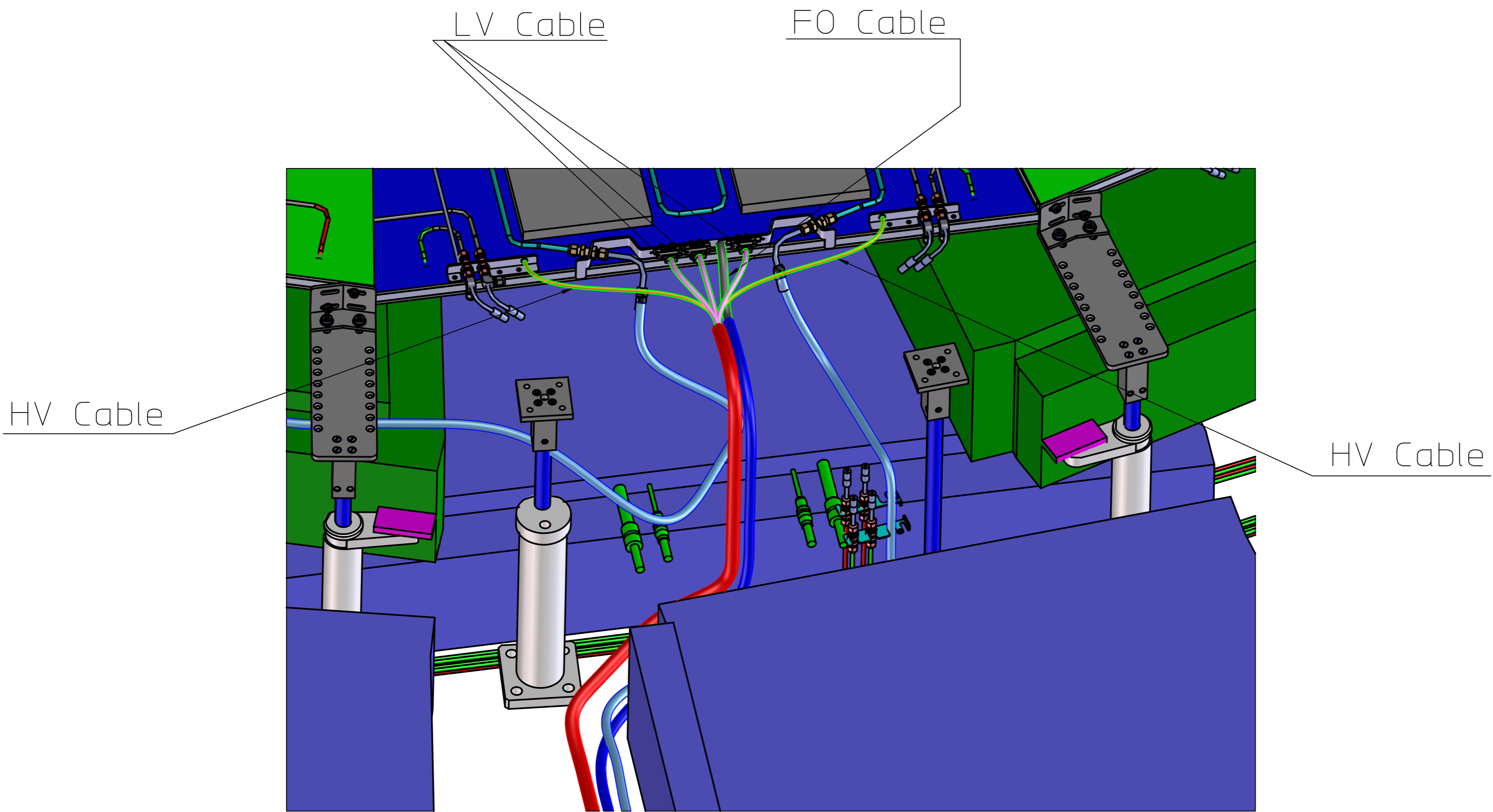
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		APPROVED		
		REPLACE/REPLACES		
<p>VALABLE POUR EXECUTION VALID FOR EXECUTION</p>		SIZE A2	IND.	

DIMENSION	<= 6	> 6	> 30	> 100	> 315	> 1000	> 2000
USINAGE MOYEN/MEDIUM MACHINING	± 0.1	± 0.2	± 0.3	± 0.5	± 0.8	± 1.2	± 2
MECANO. Soudure/WELDED STRUCTURE	± 0.5	± 1	± 2	± 3	± 5	± 7	± 10

DESSIN, RUGOSITE, TOLERANCES  
 SELON NORMES ISO  
 DRAWING, RUGOSITY, TOLERANCES  
 ACCORDING TO ISO STANDARDS



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Partial16  
 Scale 1:5

DETECTOR INTEGRATION-INFRASTRUCTURE-MECHANICS		ECHELLE SCALE	DES/DRA.	I.Mihaylov	2.10.2020
RE-4/1 Cables Assembly drawing		15	CONTROLLED		
			RELEASED		
			APPROVED		
			OIS		
			REPLACE/REPLACES		
VALABLE POUR EXECUTION VALID FOR EXECUTION		SIZE	IND.		
		A2			

h  
g  
f  
e  
d  
c  
b  
a