

	Section mini
CIRCUIT PUISSANCE 400V AC	NOIR
CIRCUIT CONTROLÉ 230V AC	NOIR
CIRCUIT CONTROLÉ 230V AC ONDULE	VOLET
CIRCUIT CONTROLÉ 48V CC	ROUGE
CIRCUIT TRANSFO DE COURANT	NOIR
AUTRE CIRCUIT INTENSITÉ	NOIR
LIBRE POTENTIEL	ORANGE
BLOC SECOURS (+/-)	NOIR

N	••	BLEU
PH1	••	MARRON
PH2	••	NOIR
PH3	••	GRIS

⋮ [FOLIO - COLONNE]

REPERAGE MATERIEL

- **"Folio.Colonne"**
 - + étiquette texte noir/fond blanc (circuit normal)
 - + étiquette texte noir/fond jaune (circuit ondule)
- **"Folio.Fils"**
 - boque porte repère type PM Cembre
 - + étiquette texte noir/fond blanc (circuit normal)
 - + étiquette texte noir/fond jaune (circuit ondule)

REGIME DE NEUTRE

ENTREE DES CÂBLES

DEGRE DE PROTECTION

FORME

- : xxkA (1s)
- : TNC ou ITAN
- : ARRIERE
- : ARRIVEE PAR LE HAUT
- : DEPARTS PAR LE HAUT
- : "PrimoSet P" (Schneider)
- : IP30 ou IP31 avec serrure si hors local technique
- : RAL 9001
- 2b



TF (TYPE)

NOM **INSTALLATEUR**

Adresse 1

Adresse 2

Adresse 3

[illegible]

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19										
PAGE	DESIGNATION										INDICE A	INDICE B	INDICE C	INDICE D	INDICE E	INDICE F	INDICE G	INDICE H	INDICE I									
1	PAGE DE GARDE																											
2	SOMMAIRE																											
3	SOMMAIRE																											
4																												
5	IMPLANTATION INTERNE																											
6	IMPLANTATION ARRIERE																											
7																												
8																												
9																												
10	NORMAL – ARRIVEE GENERALE																											
11	NORMAL – PROTECTION PARAFONDRE																											
12	NORMAL – ARRET URGENCE / CONTROLE																											
13	NORMAL – RECHERCHE DE DEFAULT																											
14	NORMAL – CDE DELESTAGE/RELESTAGE																											
15	NORMAL – CDE UNITES / PC																											
16	NORMAL – PONT ROULANT																											
17																												
18																												
19	NORMAL – BORNIERS XAU/XDG/XGTC/XRU/XDEL-REL																											
20	NORMAL – BORNIER XP																											
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25																												
26																												
27	ONDULE – ARRIVEE GENERALE																											
28	ONDULE – PROTECTION PARAFONDRE																											
29	ONDULE – ARRET URGENCE / CONTROLE																											
30																												
31	ONDULE – BORNIERS XAU/XDG/XGTC																											
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38																												
IFP Energies Nouvelles Site de Lyon										C				F			I											
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										A	EDITION ORIGINALE				D			G										
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SOMMAIRE										Echelle:																		

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PAGE	DESIGNATION										INDICE A	INDICE B	INDICE C	INDICE D	INDICE E	INDICE F	INDICE G	INDICE H	INDICE I
39																			
40																			
41	DEPART UNITE EQUIPE																		
42	DEPART UNITE EQUIPE																		
43	DEPART UNITE EQUIPE																		
44	DEPART UNITE EQUIPE																		
45	DEPART UNITE EQUIPE																		
46	DEPART UNITE EQUIPE																		
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51	DEPART UNITE EQUIPE																		
52	DEPART UNITE EQUIPE																		
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54	BORNIERS DEPART UNITE EQUIPE																		
55	BORNIERS DEPART UNITE EQUIPE																		
56	BORNIERS DEPART UNITE EQUIPE																		
57	BORNIERS DEPART UNITE EQUIPE																		
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64	BORNIERS DEPART UNITE EQUIPE																		
65	BORNIERS DEPART UNITE EQUIPE																		
66																			
67	NOMENCLATURE																		
68	NOMENCLATURE																		
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75	NOMENCLATURE																		
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IFP Energies Nouvelles Site de Lyon										C			F			I			
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sur porte gaine à câble

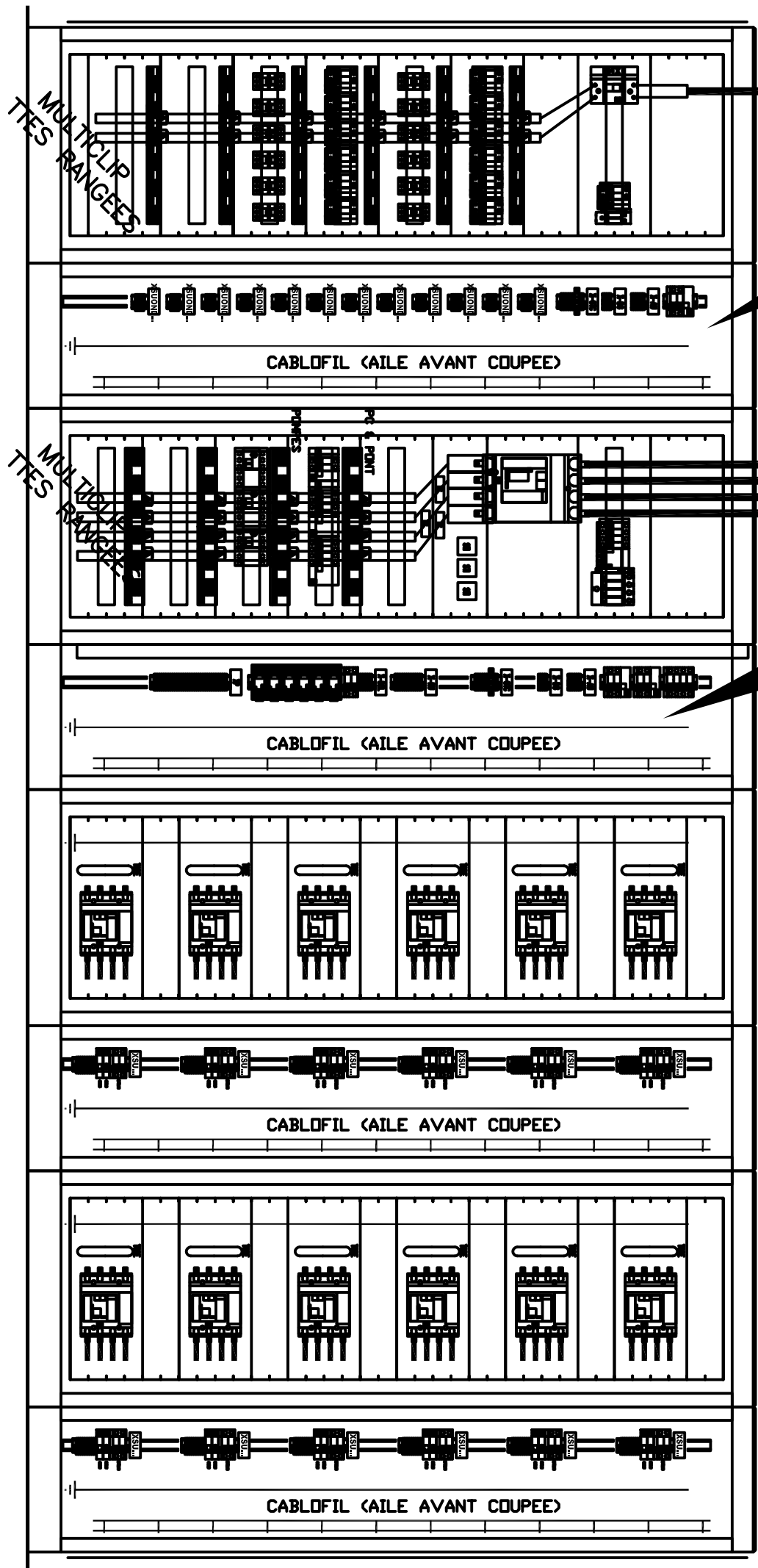
ONDULE

NORMAL



sur porte gaine à câble

PROFONDEUR 800



IIFP Energies Nouvelles Site de Lyon

TF (TYPE)

IMPLANTATION INTERNE

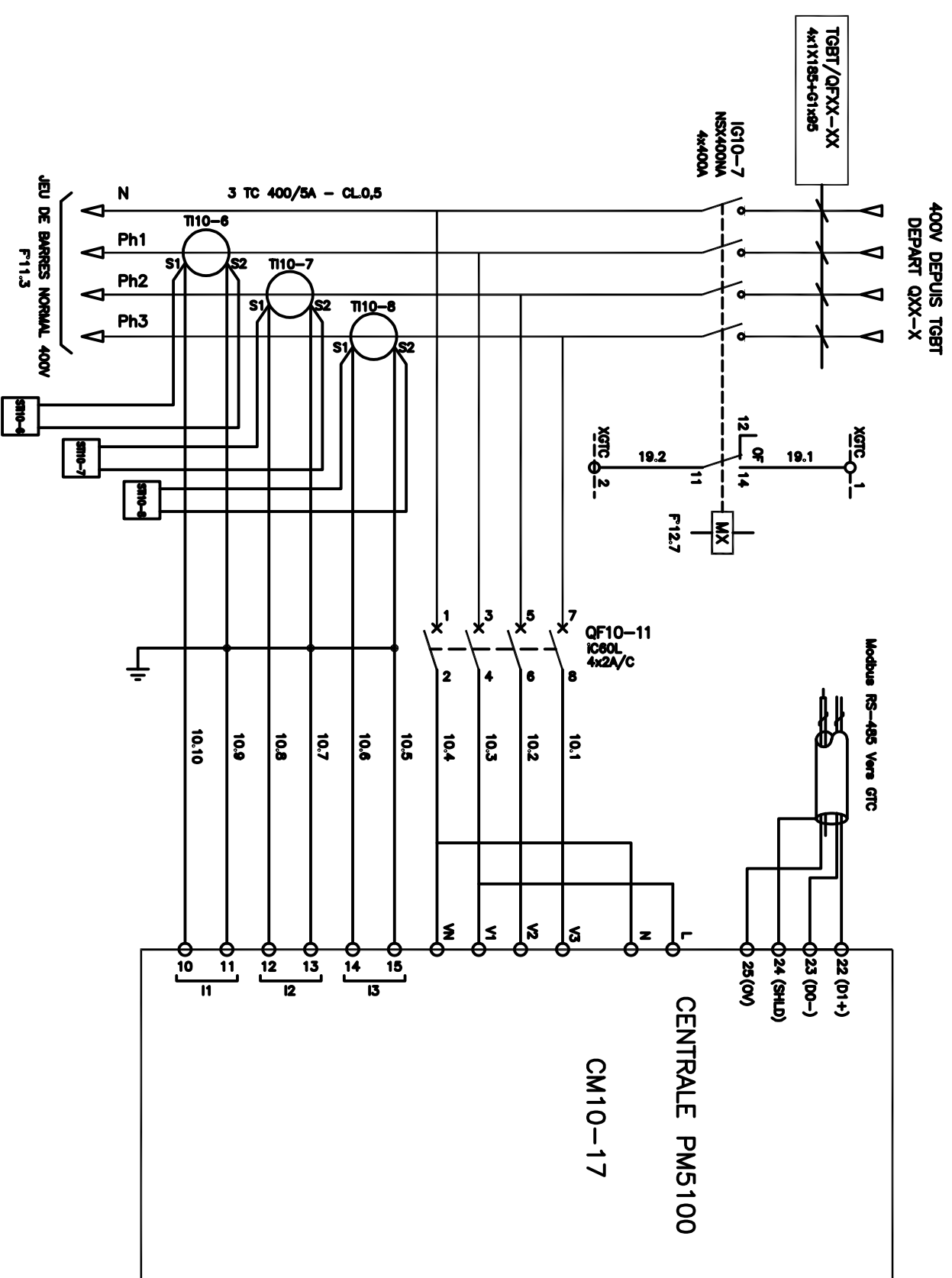
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B		E		H	
A	EDITION ORIGINALE	D		G	
Dessiné:					
Vérifié:					
Echelle:					

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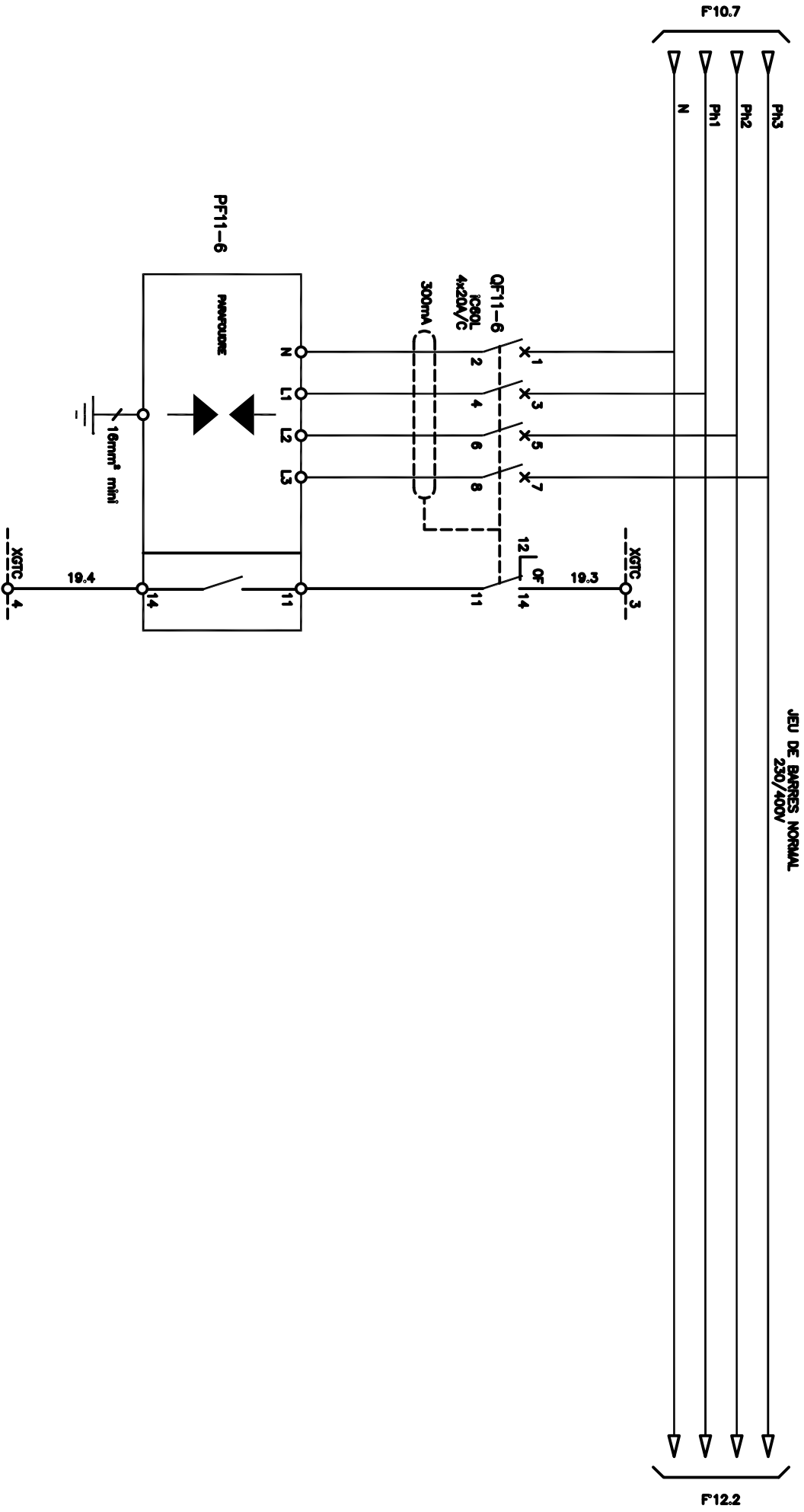
A diagram of a 1D lattice chain. It consists of a horizontal line with vertical tick marks at regular intervals. The segments between the tick marks are labeled with their lengths: 400, 650, 400, 650, 400, 650, 400, 650. The sequence of bond lengths is 400, 650, 400, 650, 400, 650, 400, 650.

[illegible]90

TF XXXX	
Reg. de N	IT avec N
Tension	400V
I installée	400A
Ik3	13671 A
Ik1	10558 A
dU max	1,47%



1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
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IFP Energies Nouvelles Site de Lyon

TF (TYPE)

NORMAL – PROTECTION PARAFOUDRE

C		F		I	
B		E		H	
A	EDITION ORIGINALE	D		G	

Dessiné:					
Vérifié:					
Echelle:					

TF (TYPE)

Diagram illustrating the electrical wiring for the presence of units (Présence U EDF) and the general normal (Général Normal) condition, connected to the F11.18 bus.

The diagram shows the following components and connections:

- Power Supply:** F11.18 bus (Ph3, Ph2, Ph1, N) connected to the main power lines (12.1, 12.2, 12.3, 12.4, 12.5).
- Protection:** QF12-6 (300mA) and QF12-14 (300mA) circuit breakers.
- Relays and Switches:** KA12-6, KA12-14, IG10-7, and various switches (XAU, XDG).
- Indicators:** H12-6 (LED) and H12-14 (LED).
- Wiring:** 12.1, 12.2, 12.3, 12.4, 12.5, 12.6, 12.7, 12.8, 12.9, 12.10, 12.11, 12.12, 12.13, 12.14, 12.15, 12.16, 12.17, 12.18, 12.19, 12.20, 12.21, 12.22, 12.23, 12.24, 12.25, 12.26, 12.27, 12.28, 12.29, 12.30, 12.31, 12.32, 12.33, 12.34, 12.35, 12.36, 12.37, 12.38, 12.39, 12.40, 12.41, 12.42, 12.43, 12.44, 12.45, 12.46, 12.47, 12.48, 12.49, 12.50, 12.51, 12.52, 12.53, 12.54, 12.55, 12.56, 12.57, 12.58, 12.59, 12.60, 12.61, 12.62, 12.63, 12.64, 12.65, 12.66, 12.67, 12.68, 12.69, 12.70, 12.71, 12.72, 12.73, 12.74, 12.75, 12.76, 12.77, 12.78, 12.79, 12.80, 12.81, 12.82, 12.83, 12.84, 12.85, 12.86, 12.87, 12.88, 12.89, 12.90, 12.91, 12.92, 12.93, 12.94, 12.95, 12.96, 12.97, 12.98, 12.99, 13.00.

Legend:

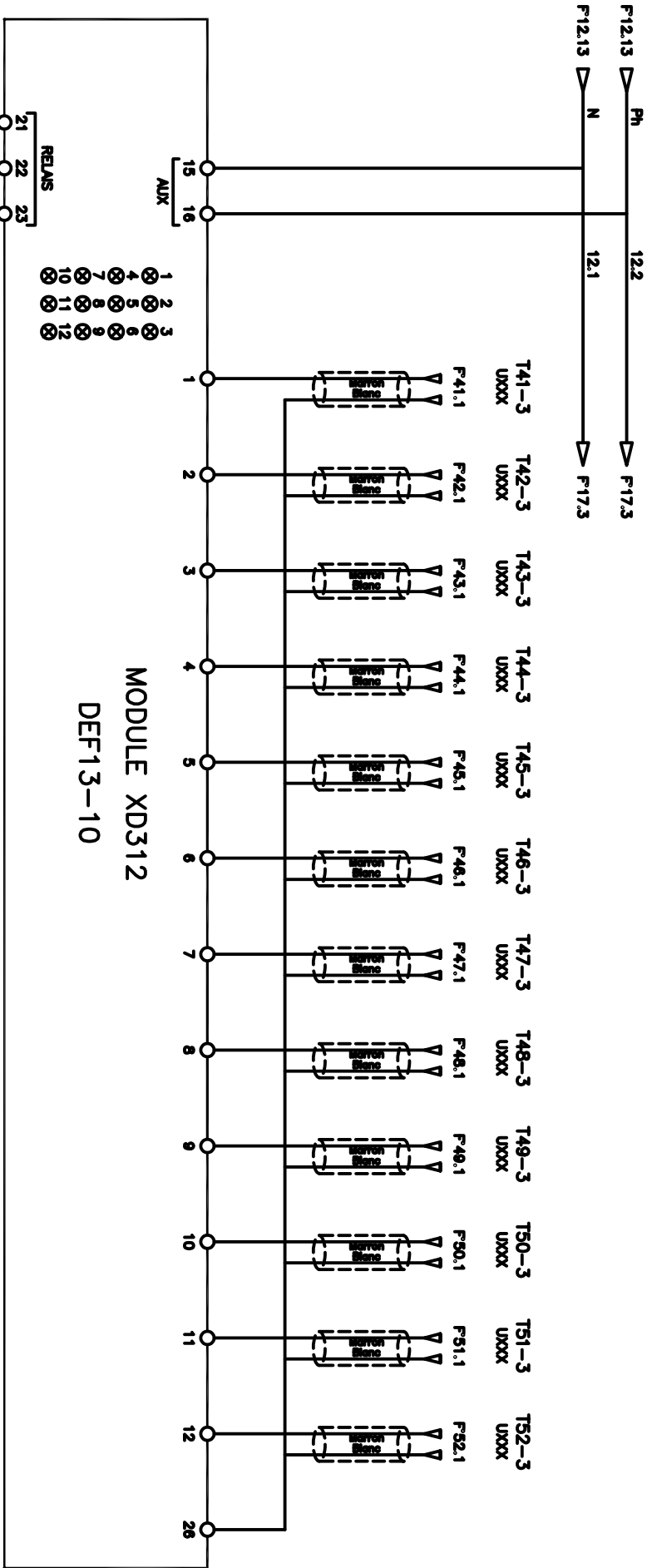
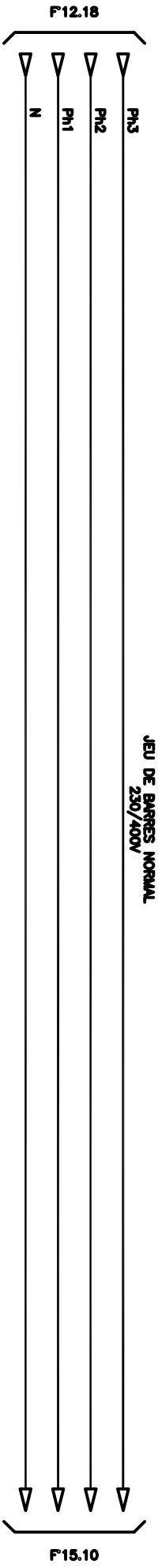
- VOYANT LED (LED Indicator)
- RELAS BORNE (Terminal Relay)
- DECL. (Declaration)
- INTERRUPTEUR (Interrupter)
- PRESENCE TENSION NORMALE (Normal Voltage Presence)
- SUR BORNIER XGTC (5-6) (On XGTC Terminal (5-6))
- GÉNÉRAL NORMAL (General Normal)

Notes:

- 2 CABLES 3x1.5 SEPARÉS OBLIGATOIRE (2 separate 3x1.5 cables mandatory)
- 1 CABLE VERS CHAQUE TABLEAU (1 cable to each panel)

Labels:

- A.U. HALL
- DG AMBIANCE SEUIL 2 (sécurité positive) (DG Ambient Threshold 2 (positive security))



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TF (TYPE)
NORMAL – RECHERCHE DE DEFAULT

C		F		I	
B		E		H	
A	EDITION ORIGINALE	D		G	

Dessiné:					
Vérifié:					
Echelle:					

TF (TYPE)

ORDRE DE
DELESTAGE / RELESTAGE
DEPUIS TGBT1 L97

ORDRE DE
DELESTAGE / RELESTAGE
VERS TF SUD

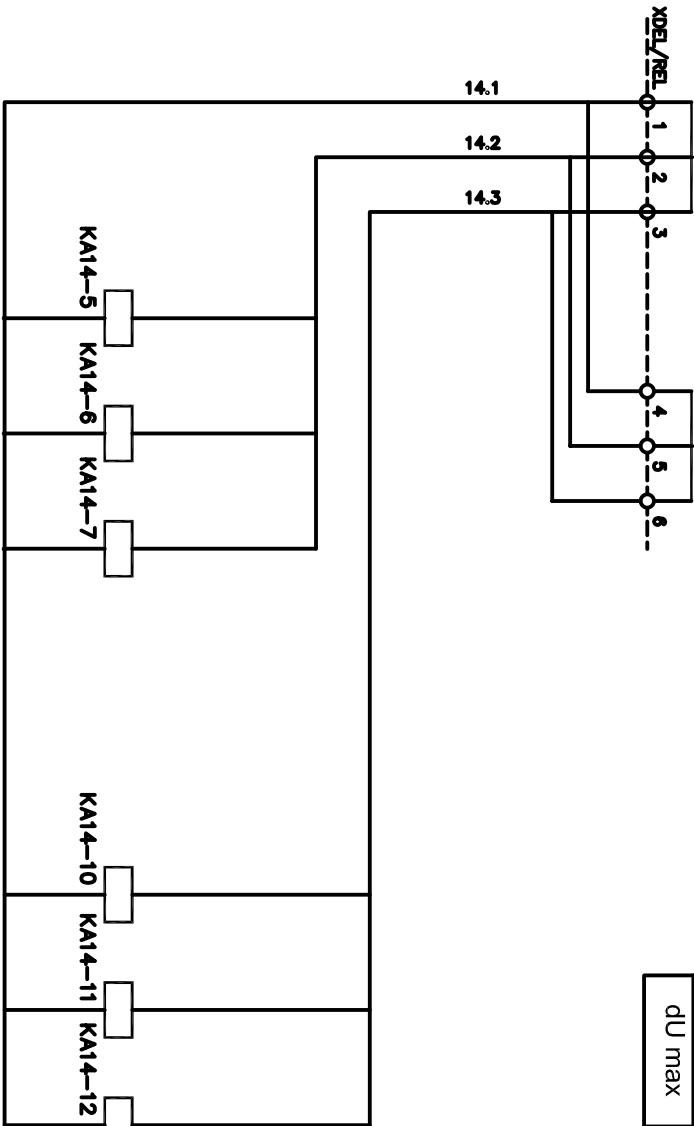
DEL/REL MIX
U1000R2V - 461.5

DEL/REL TF SUD
U1000R2V - 461.5

ONDULE DEL/REL		
Tension	230V	
I installée	32A	
Ik1 max	3080 A	
dU max	1,14%	

ALIMENTATION 230VAC
DEPUIS TGBT ONDULE
DEPART QFXX-XX

TGBT OND/QFXX-XX
U1000R2V - 368



RELAIS 1 RELAIS 2 RELAIS 3
DELESTAGE DELESTAGE DELESTAGE

RELAIS 1 RELAIS 2 RELAIS 3
RELESTAGE RELESTAGE RELESTAGE

11-14	F41.8	11-14	F46.8	11-14	F48.8
21-24	F42.8	21-24	F46.8	21-24	F50.8
31-34	F43.8	31-34	F47.8	31-34	F51.8
41-44	F44.8	41-44	F48.8	41-44	F52.8

11-14	F41.8	11-14	F46.8	11-14	F48.8
21-24	F42.8	21-24	F46.8	21-24	F50.8
31-34	F43.8	31-34	F47.8	31-34	F51.8
41-44	F44.8	41-44	F48.8	41-44	F52.8

ONDULE DEL/REL
F41.7

IFP Energies Nouvelles Site de Lyon

TF (TYPE)

NORMAL – CDE DELESTAGE/RELESTAGE

C	F	I
B	E	H
A	D	G

Dessiné:

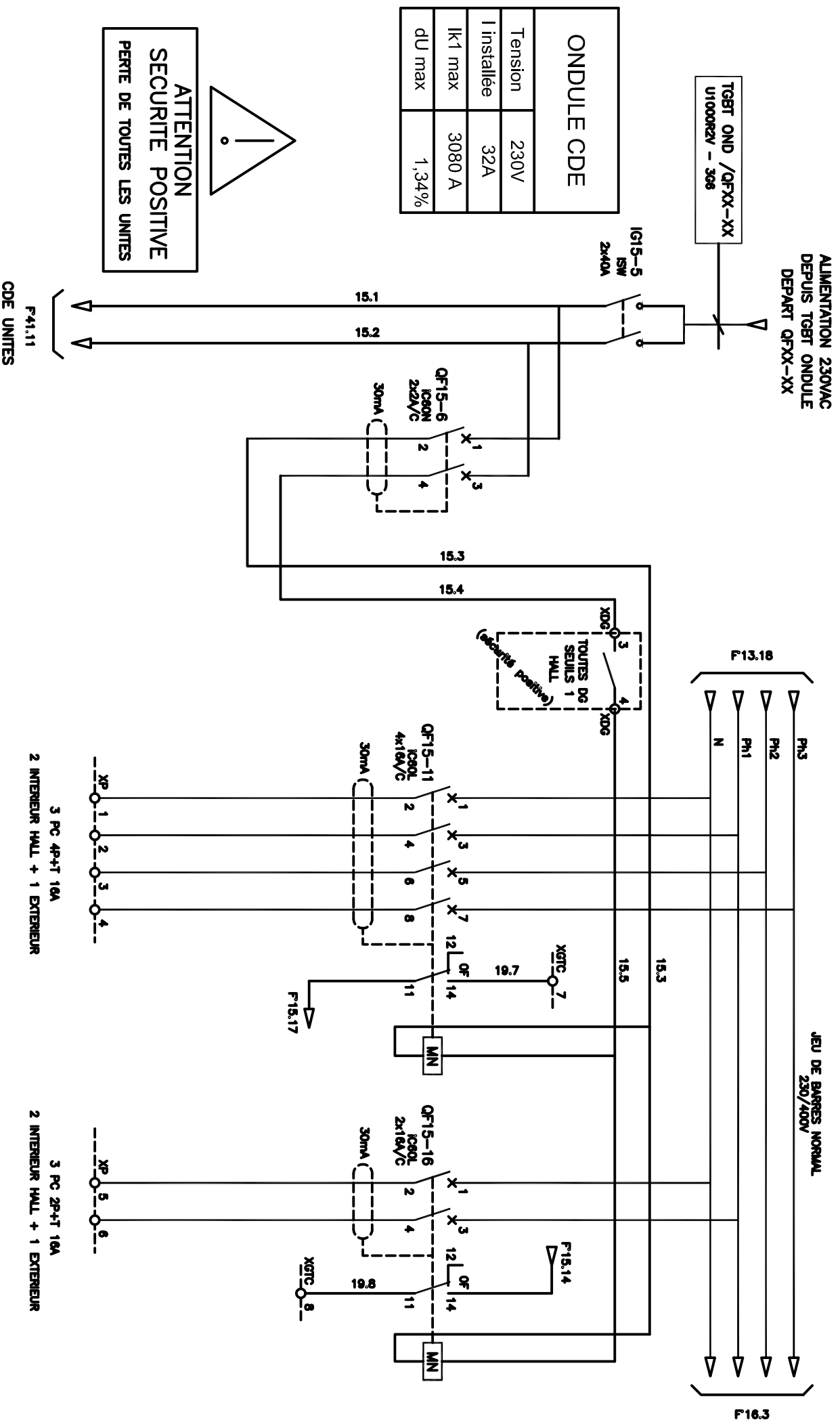
Vérifié:

Echelle:

TF (TYPE)

PAGE

14



IFP Energies Nouvelles Site de Lyon

TF (TYPE)

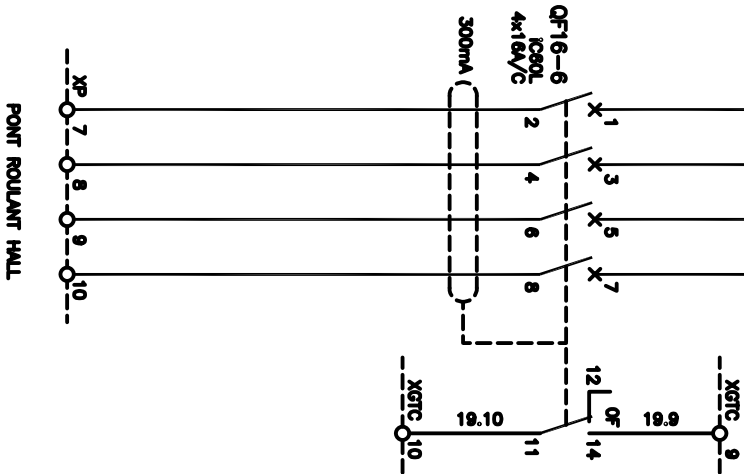
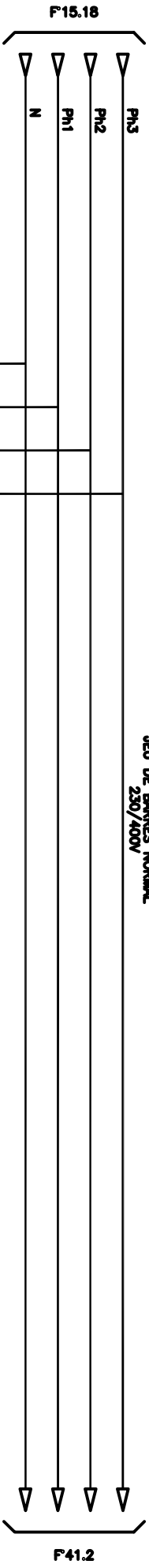
NORMAL - CDE UNITES / PC

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C	F	
B	E	H
A EDITON ORIGINALE	D	G

TF (TYPE)

PAGE
15

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IFP Energies Nouvelles Site de Lyon

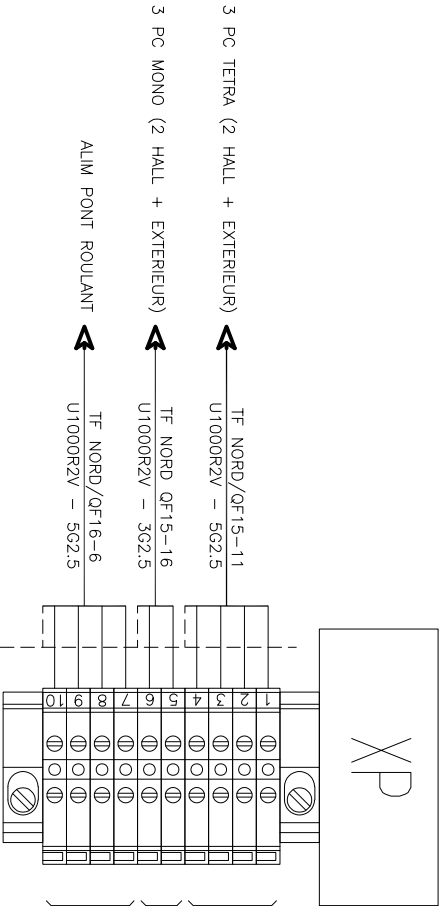
TF (TYPE)

NORMAL – PONT ROULANT

C		F	I	
B		E	H	
A	EDITION ORIGINALE	D	G	
Dessiné:				
Vérifié:				
Echelle:				

TF (TYPE)

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IFP Energies Nouvelles Site de Lyon

TF (TYPE)
NORMAL – BORNIER XP

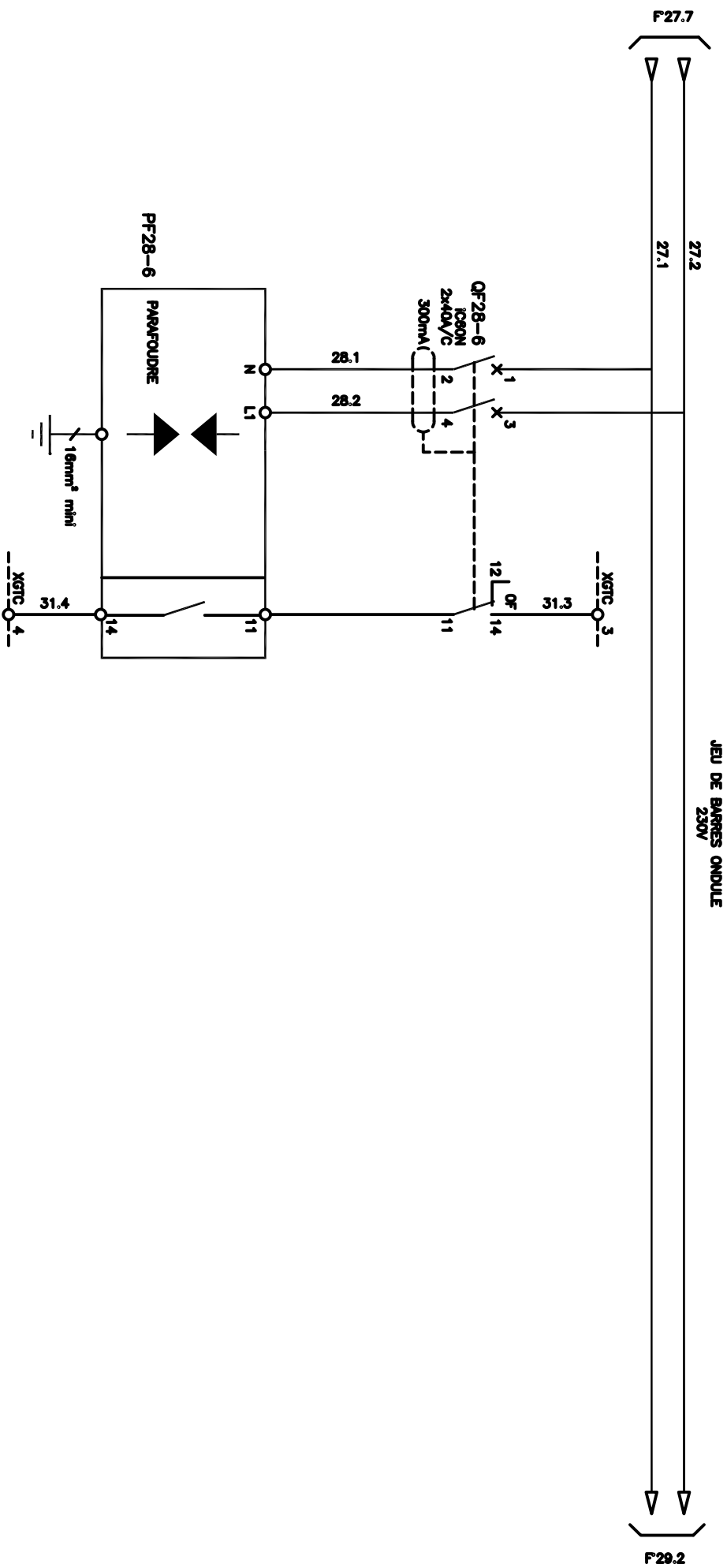
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A	EDITION ORIGINALE	D	TEL QUE CONSTRUIT	G	

Dessiné:

Vérifié:

Echelle:

TF (TYPE)



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IFP Energies Nouvelles Site de Lyon

TF (TYPE)

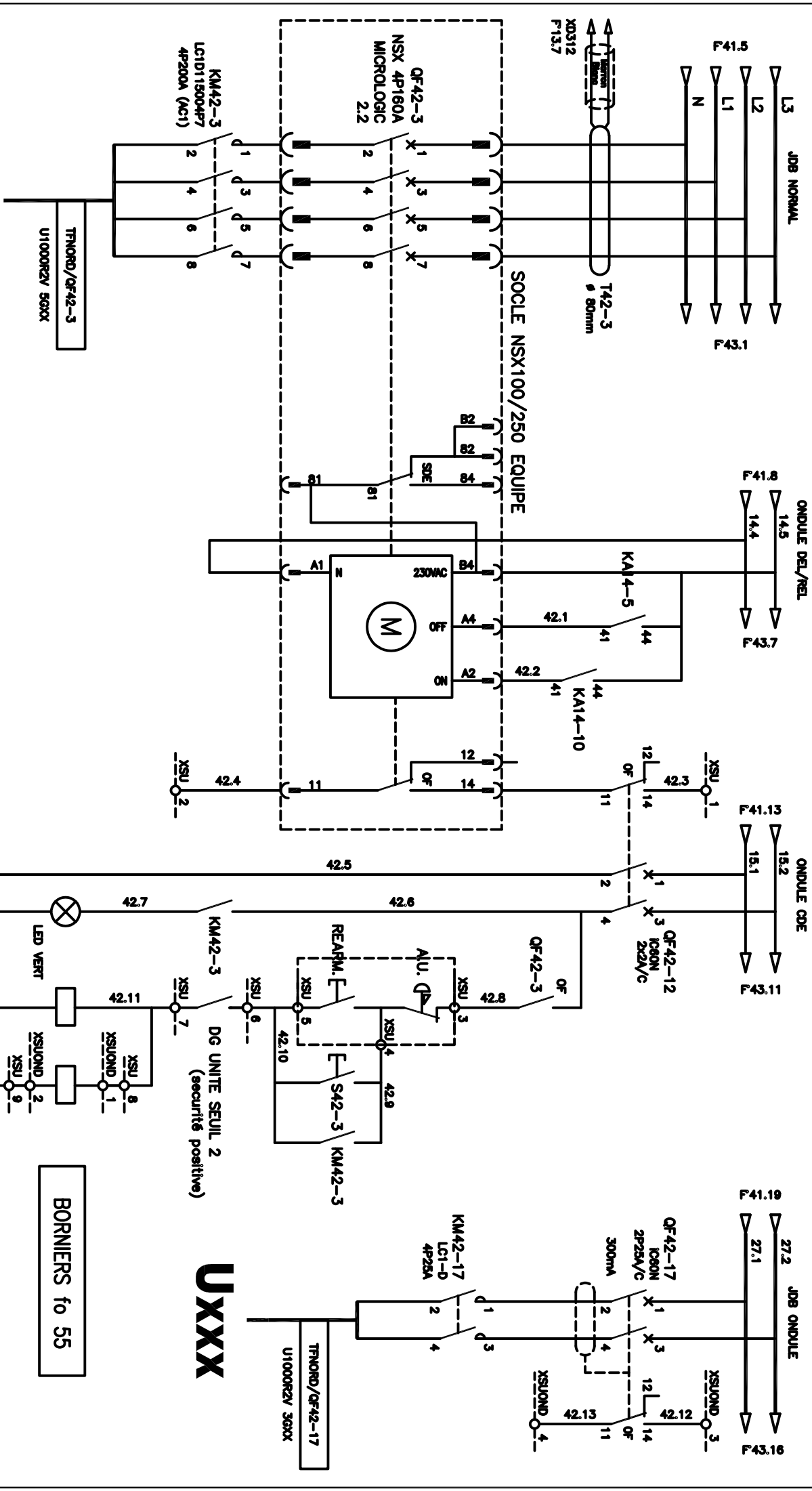
ONDULE – PROTECTION PARAFONDRE

C		F		I	
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A	EDITION ORIGINALE	D		G	
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Vérifié:					
Echelle:					

TF (TYPE)



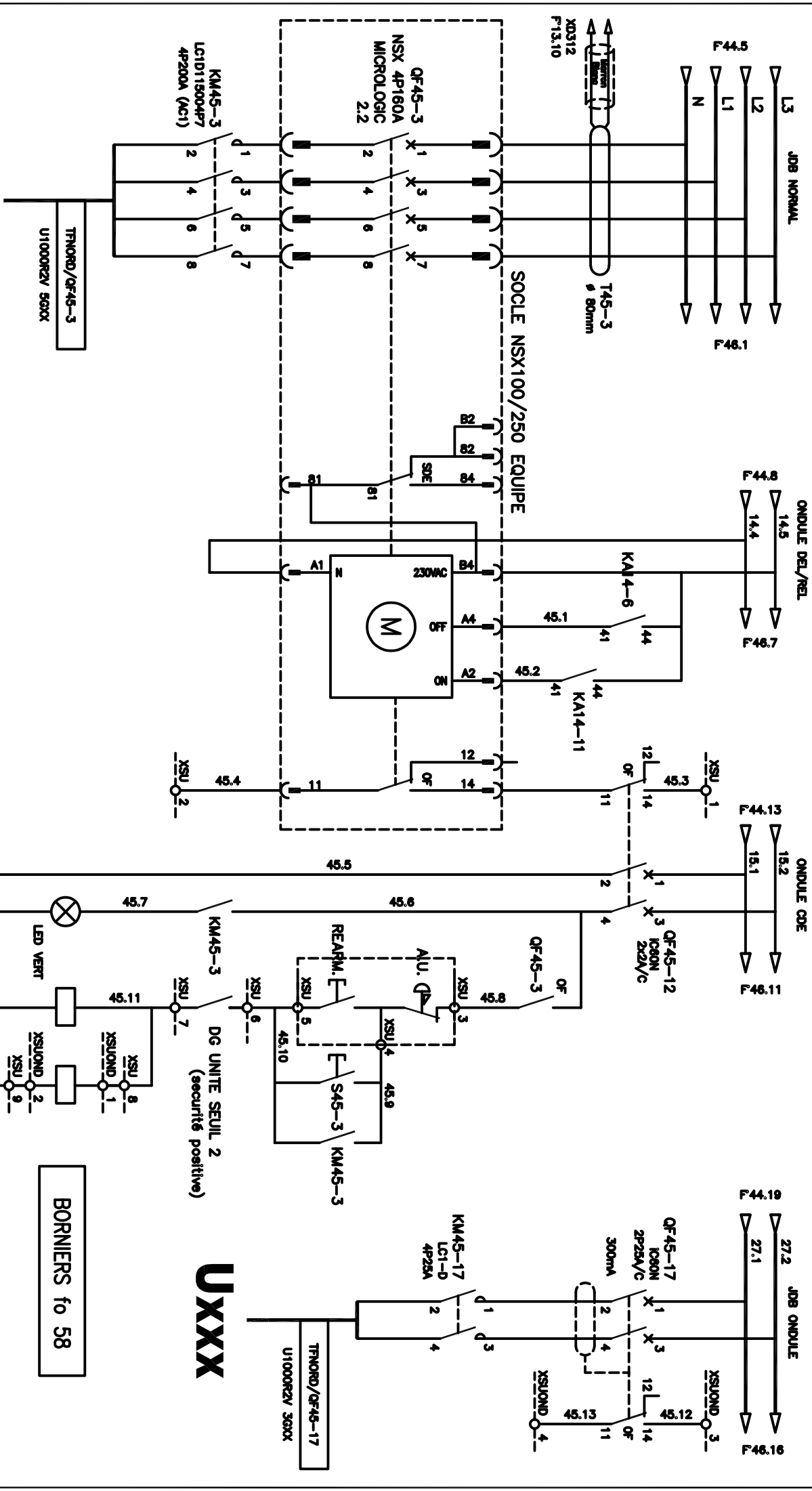
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IFP Energies Nouvelles Site de Lyon										TF (TYPE)					PAGE			
										DEPART UNITE EQUIPE					42			
A EDITION ORIGINALE										D								
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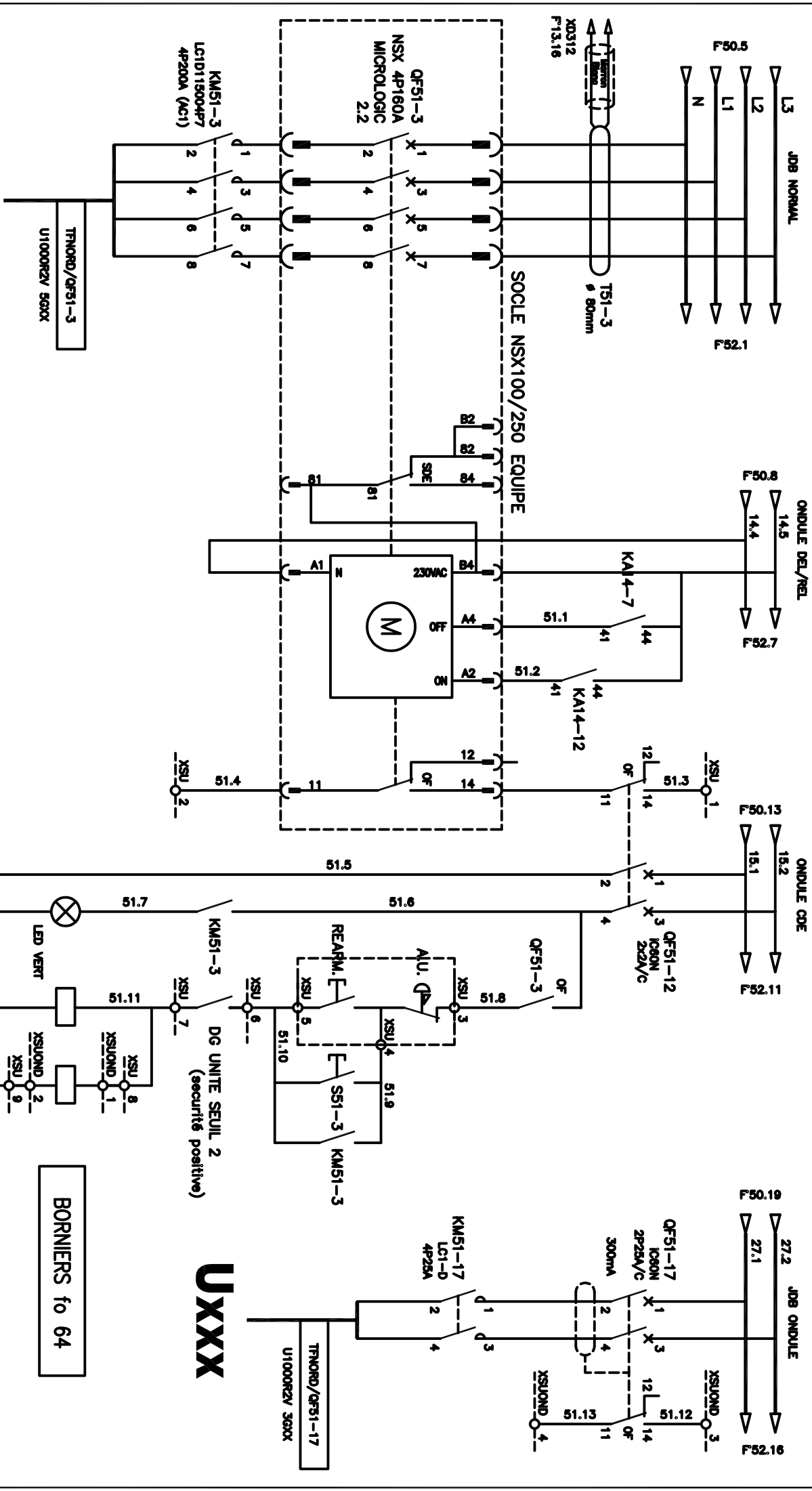
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TF (TYPE)										TF (TYPE)		PAGE	
EDITION ORIGINALE										TF (TYPE)		45	
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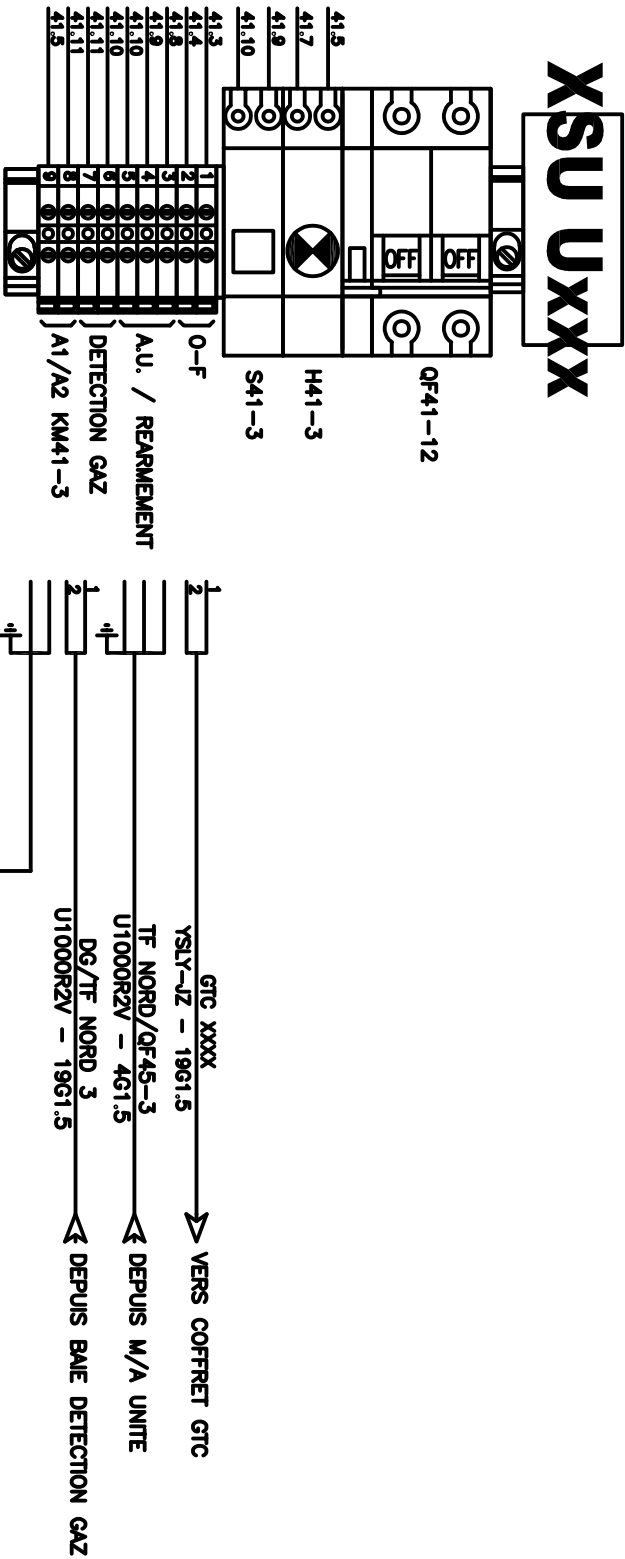
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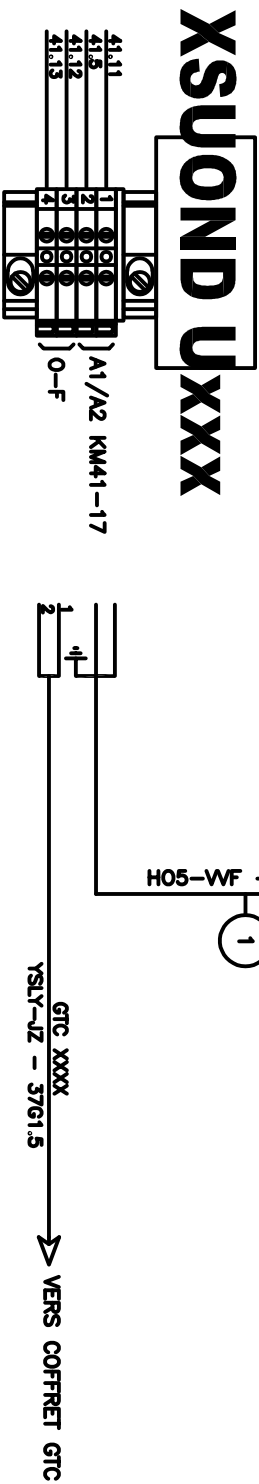
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IFP Energies Nouvelles Site de Lyon										TF (TYPE)					PAGE			
										DEPART UNITE EQUIPE					51			
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Vérifié:																		
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COLONNE 3



COLONNE 1

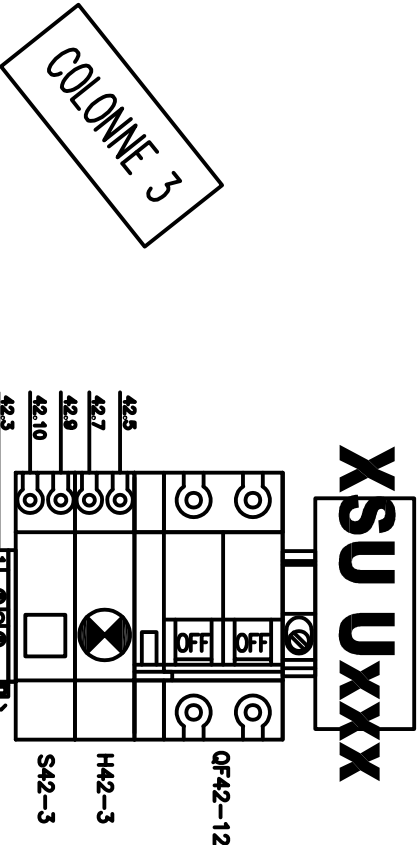


IFP Energies Nouvelles Site de Lyon

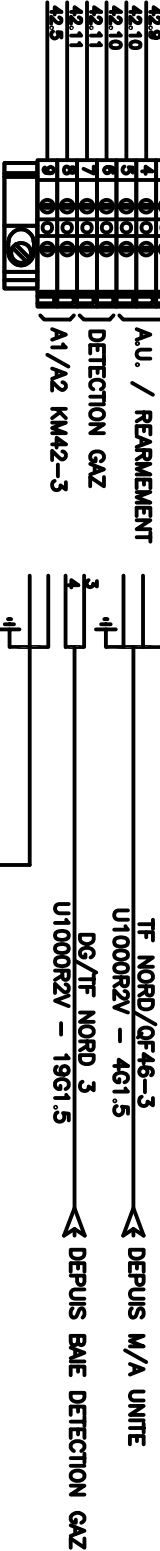
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BORNIERS DEPART UNITE EQUIPE

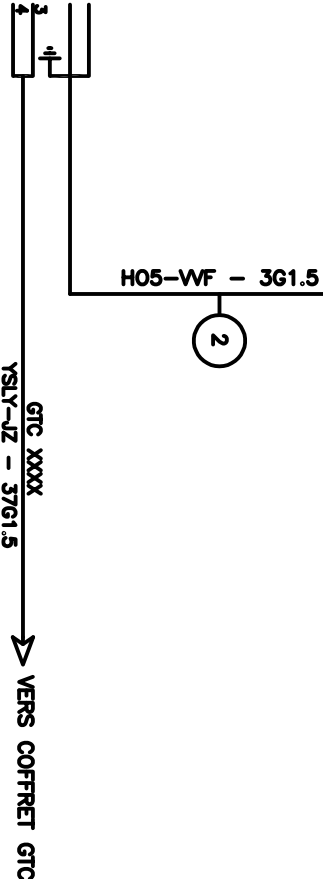
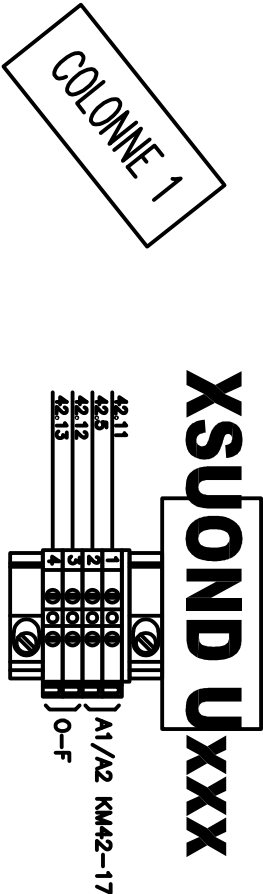
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TF (TYPE)			PAGE
			54



3
4
GTC XXXX
YSLY-UZ - 19G1.5
→ VERS COFFRET GTC



3
4
TF NORD/QF46-3
U1000R2V - 4G1.5
← DEPUIS M/A UNITE
DG/TF NORD 3
U1000R2V - 19G1.5
← DEPUIS BAE DETECTION GAZ



IFP Energies Nouvelles Site de Lyon

TF (TYPE)
BORNERS DEPART UNITE EQUIPE

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A	EDITION ORIGINALE	D	G

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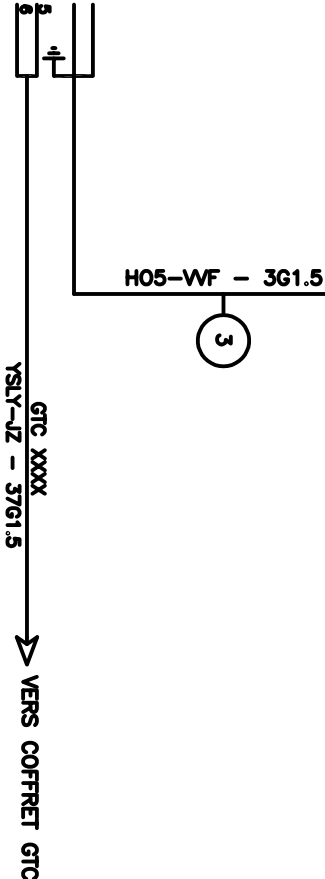
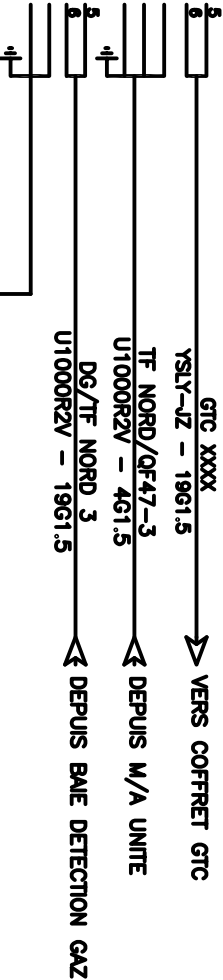
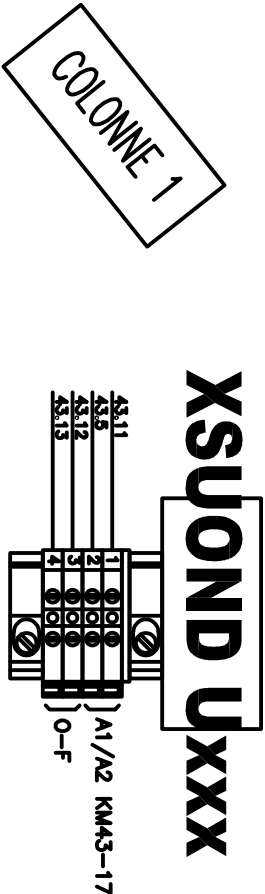
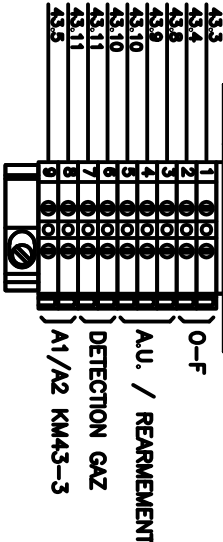
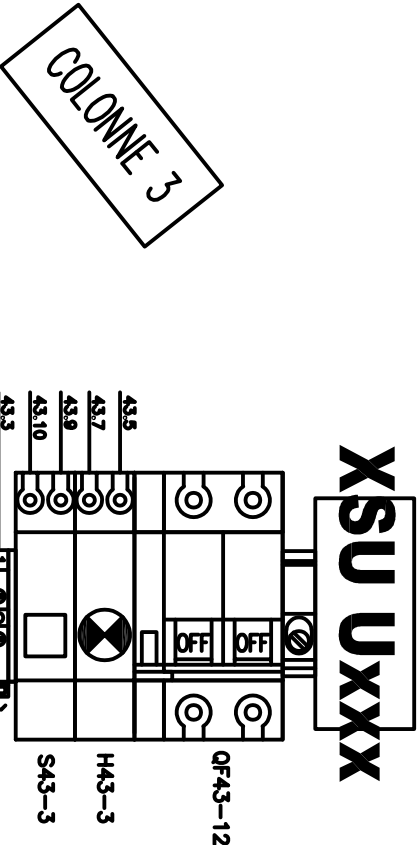
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IFP Energies Nouvelles Site de Lyon

TF (TYPE)

BORNIERS DEPART UNITE EQUIPE

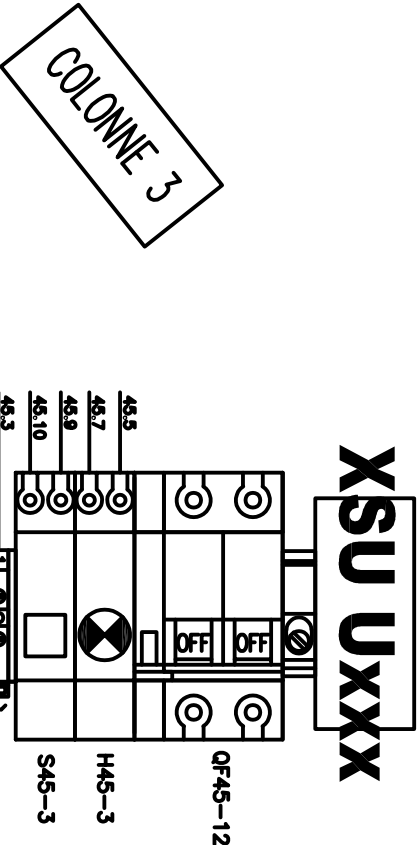
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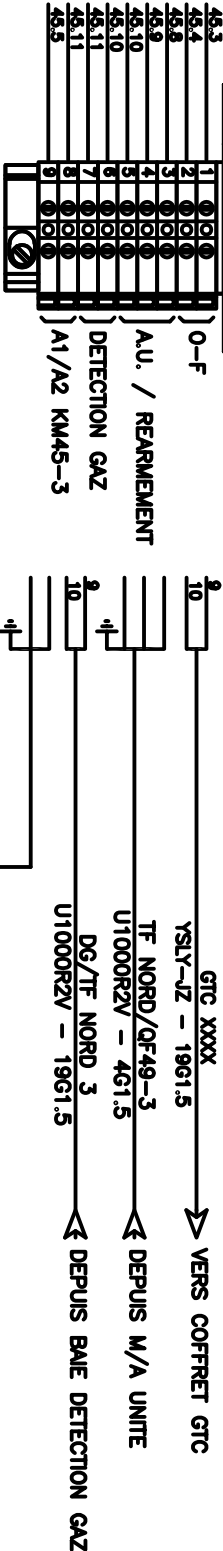
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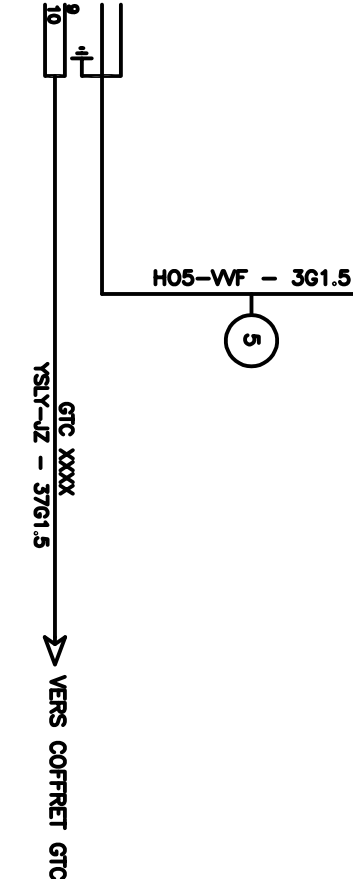
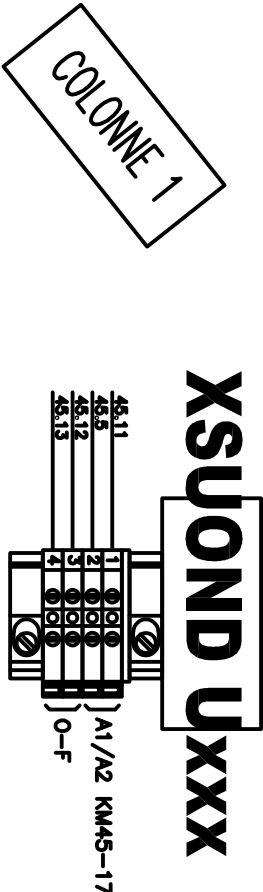
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9
10
GTC XXXX
YSLY-UZ - 19G1.5
→ VERS COFFRET GTC



9
10
GTC XXXX
YSLY-UZ - 19G1.5
→ VERS COFFRET GTC
TF NORD/QF49-3
U1000R2V - 4G1.5
DG/TF NORD 3
U1000R2V - 19G1.5
← DEPUIS M/A UNITE
← DEPUIS BAE DETECTION GAZ



IFP Energies Nouvelles Site de Lyon

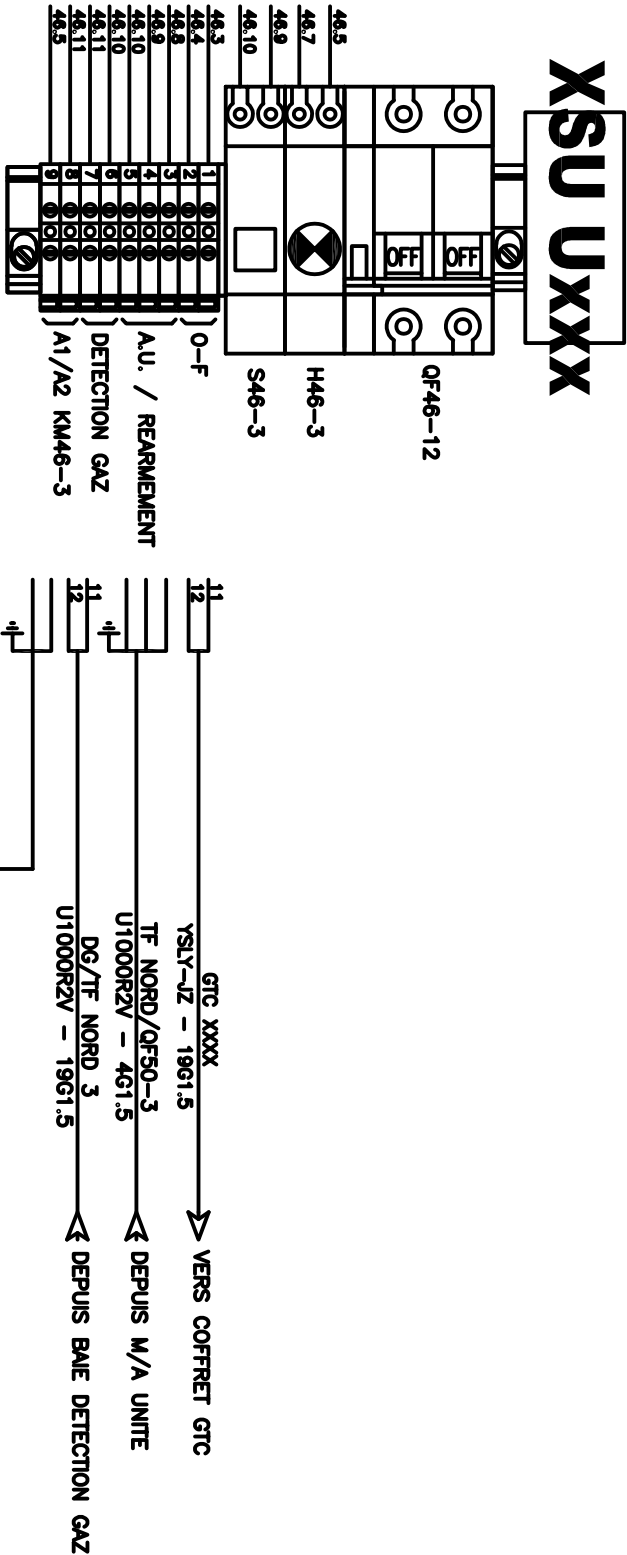
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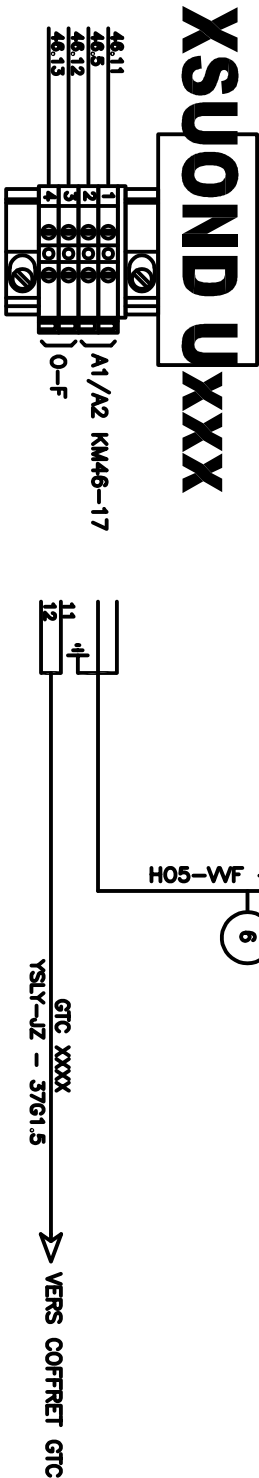
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B	E	H	
A	EDITION ORIGINALE	D	G
Dessiné:			
Vérifié:			
Echelle:			

TF (TYPE)

COLONNE 3



COLONNE 1

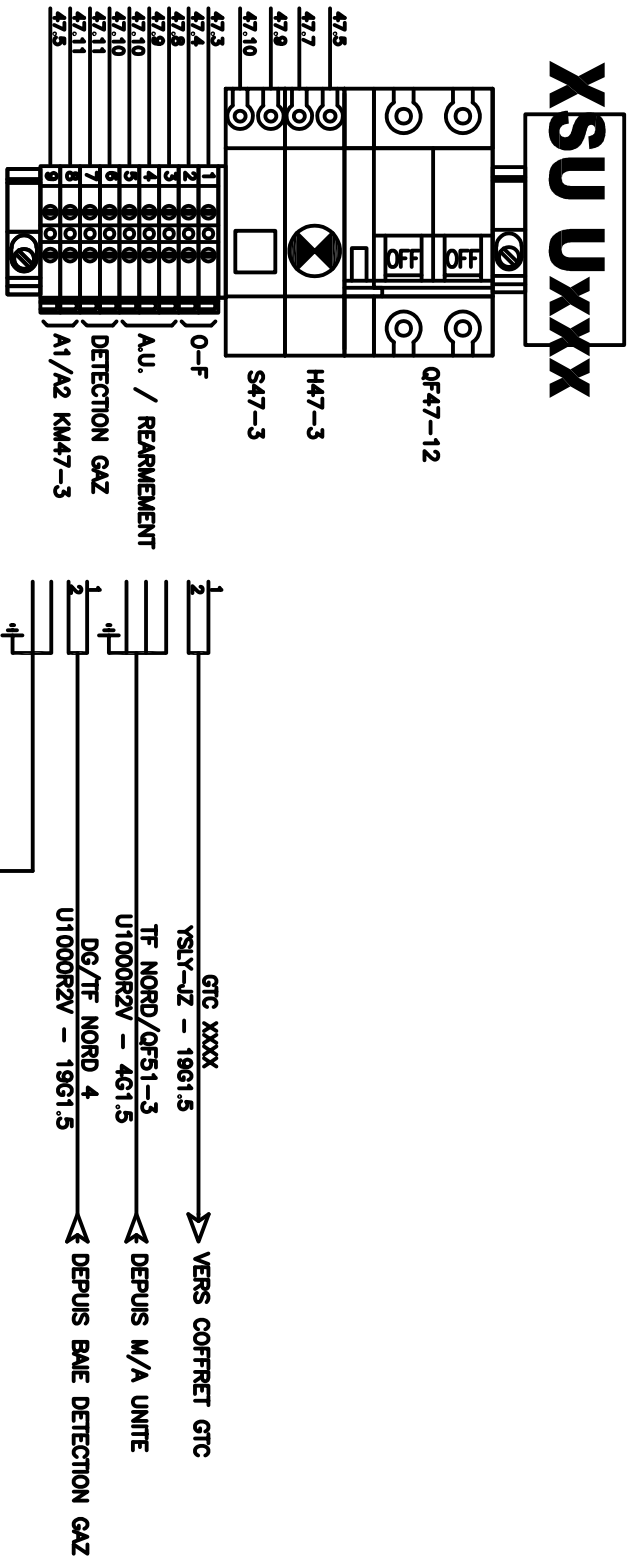


IFP Energies Nouvelles Site de Lyon

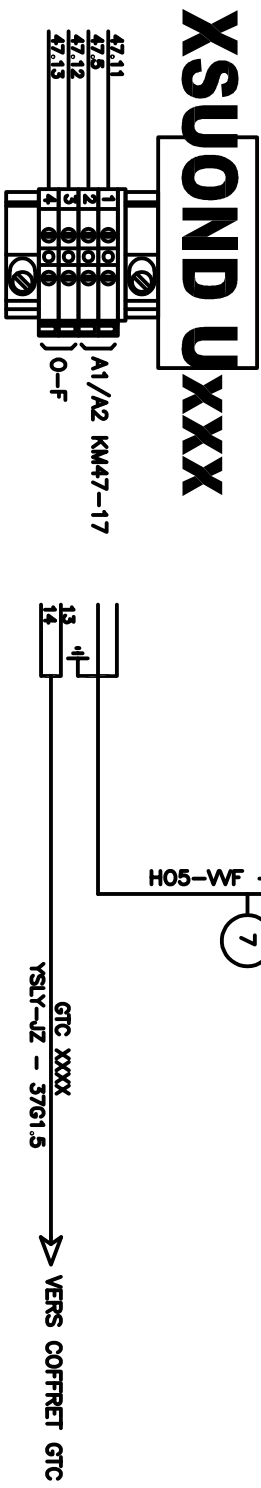
TF (TYPE)
BORNIERS DEPART UNITE EQUIPE

C		F	I	
B		E	H	
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Dessiné:				
Vérifié:				
Echelle:				
TF (TYPE)				PAGE
				59

COLONNE 4



COLONNE 1



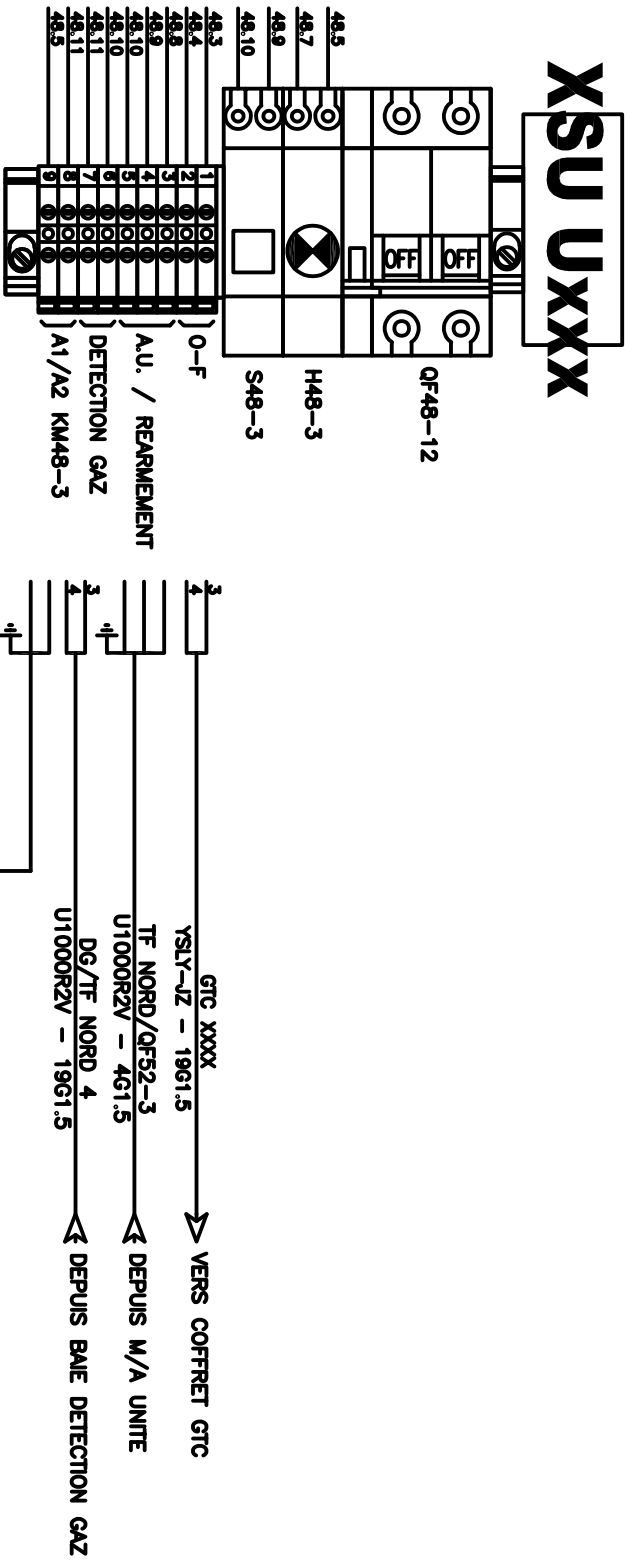
IFP Energies Nouvelles Site de Lyon

TF (TYPE)

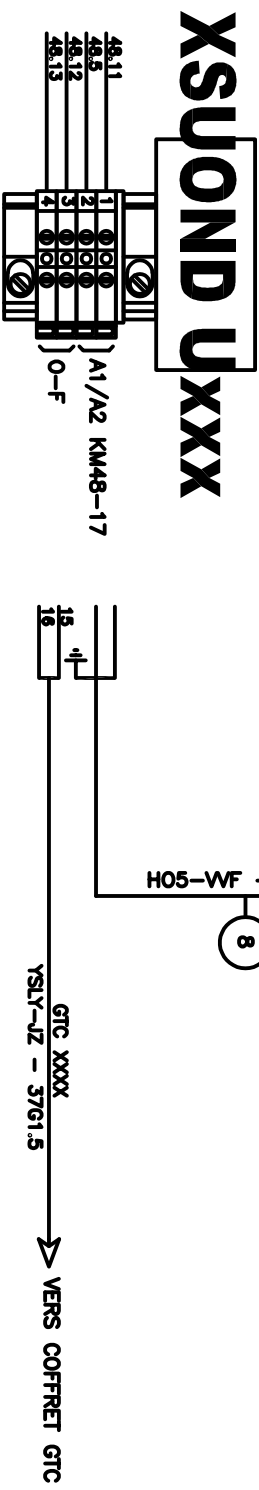
BORNIERS DEPART UNITE EQUIPE

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A	EDITION ORIGINALE	D	G
Dessiné:			
Vérifié:			
Echelle:			
TF (TYPE)			PAGE
			60

COLONNE 4



COLONNE 1



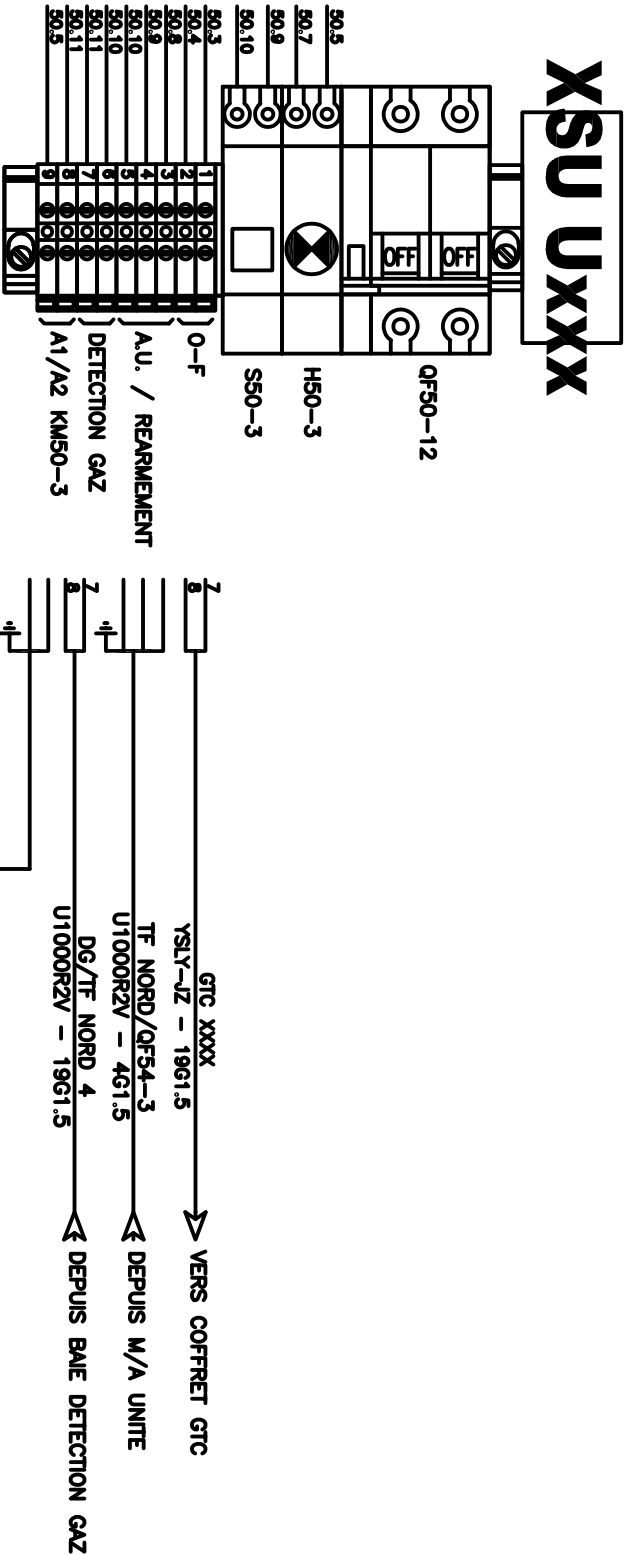
IFP Energies Nouvelles Site de Lyon

TF (TYPE)

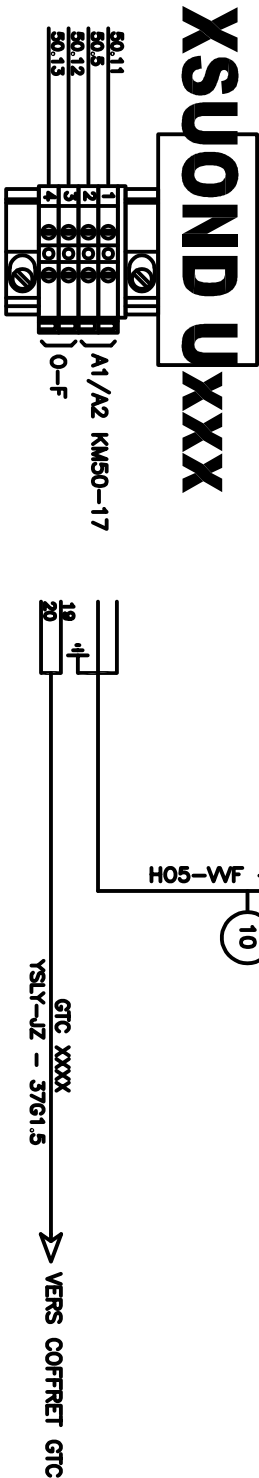
BORNIERS DEPART UNITE EQUIPE

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A	EDITION ORIGINALE	D	G
Dessiné:			
Vérifié:			
Echelle:			
TF (TYPE)			PAGE
			61

COLONNE 4



COLONNE 1



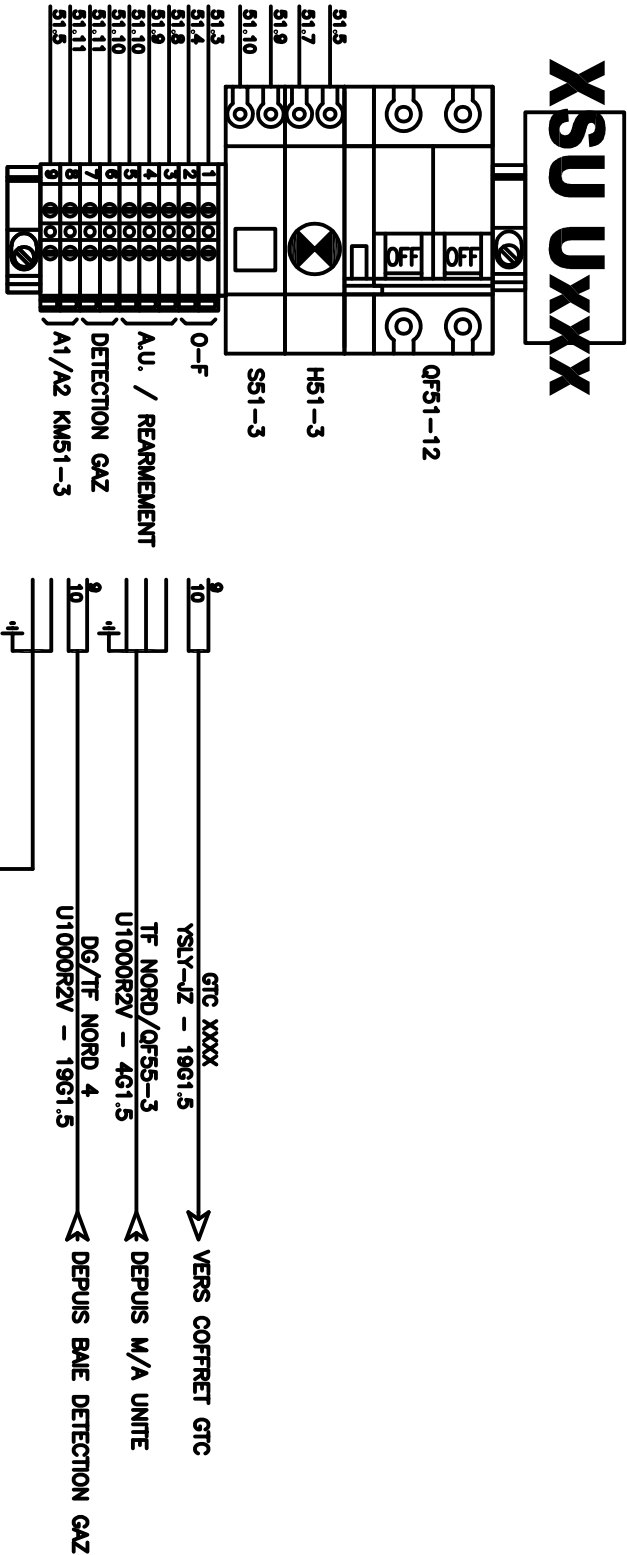
IFP Energies Nouvelles Site de Lyon

TF (TYPE)

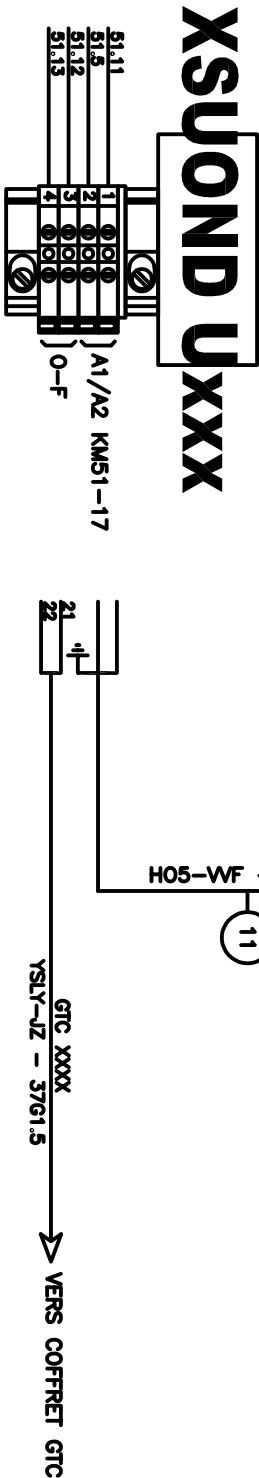
BORNIERS DEPART UNITE EQUIPE

C	F	I	
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A	EDITION ORIGINALE	D	G
Dessiné:			
Vérifié:			
Echelle:			
TF (TYPE)			PAGE
			63

COLONNE 4



COLONNE 1



IFP Energies Nouvelles Site de Lyon

TF (TYPE)

BORNIERS DEPART UNITE EQUIPE

C	F	I	
B	E	H	
A	EDITION ORIGINALE	D	G
Dessiné:			
Vérifié:			
Echelle:			
TF (TYPE)			PAGE
			64

