

Q	1	2	3	4	5	6	7	8	9																																
<div>PIN s.c.r.l. – Polo Universitario città di Prato</div> <div>1MW Photovoltaic System – Yeghegnadzor, Armenia</div> <div>Ing. Paolo Taddei Pardelli</div>						<div>SWITCHBOARD CHARACTERISTICS</div> <div>UPSTREAM PLANT</div> <table><tr><td>NET.VOLT. [kV]</td><td>10</td><td>FREQ. [Hz]</td><td>50</td></tr><tr><td colspan="2">SWITCHBOARD RATED CURRENT</td><td colspan="2">630A</td></tr><tr><td colspan="2">SWITCHBOARD PERSPECTIVE CURRENT</td><td colspan="2">12,5</td></tr><tr><td colspan="2">NEUTRAL SYSTEM</td><td colspan="2">COMPENSATO</td></tr><tr><td colspan="4">INTERNAL ARC CLASSIFICATION</td></tr><tr><td colspan="2">RATED VOLTAGE</td><td colspan="2">24</td></tr><tr><td colspan="2">RATED SHORT-TIME WITHSTAND CURRENT</td><td>12,5</td><td>IP IP2XC</td></tr></table> <div>REFERENCE STANDARDS</div> <table><tr><td>MV CIRCUIT-BRAKER</td><td><input checked="" type="checkbox"/> — CEI EN 62271-100</td></tr><tr><td>MV ENCLOSURE</td><td><input checked="" type="checkbox"/> — CEI EN 62271-200</td></tr></table>				NET.VOLT. [kV]	10	FREQ. [Hz]	50	SWITCHBOARD RATED CURRENT		630A		SWITCHBOARD PERSPECTIVE CURRENT		12,5		NEUTRAL SYSTEM		COMPENSATO		INTERNAL ARC CLASSIFICATION				RATED VOLTAGE		24		RATED SHORT-TIME WITHSTAND CURRENT		12,5	IP IP2XC	MV CIRCUIT-BRAKER	<input checked="" type="checkbox"/> — CEI EN 62271-100	MV ENCLOSURE	<input checked="" type="checkbox"/> — CEI EN 62271-200
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						DESIGNER		PAGE 1	NEXT 2																																
						TABLE																																			

PROJECT :	UNIT DESIGNATION	GAM2	QM	TRANSFORMER	QM	TRANSFORMER	
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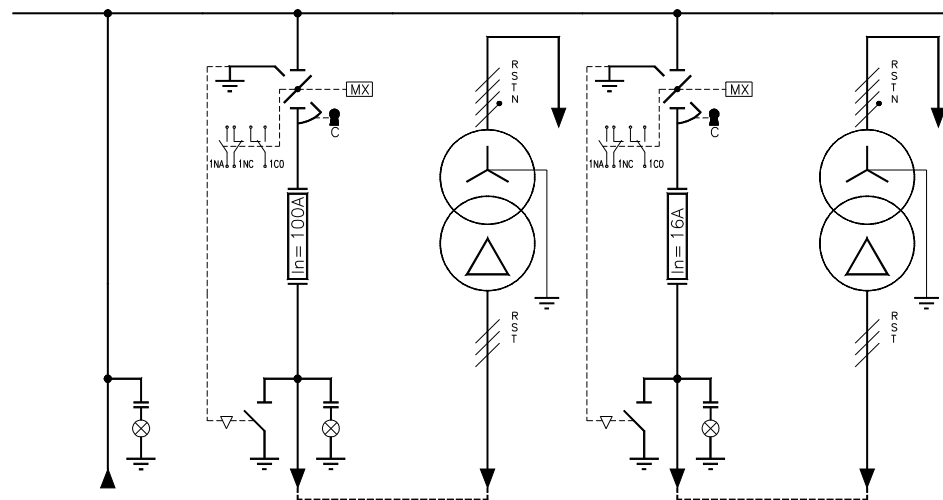
UPSTREAM PLANT	
PLANT DATA	
NETWORK VOLTAGE	10 (kV)
FREQUENCY	50 (Hz)
SHORT CIRCUIT CURRENT	12,5 (kA)
NEUTRAL SYSTEM	BALANCED
SWITCHBOARD DESIGNATION	

SWITCHBOARD DATA	
ENCLOSURE TYPE	SM6
RATED VOLTAGE	24 (kV)
RATED CURRENT	630 (A)
ICW	12,5 (kA/1s)
INTERNAL ARC WITHSTAND	12,5 (kA) x 1(s)
EXEPT CELL — AT7 —	
INTERNAL PROTECTION	IP 2XC
AUXILIARY VOLTAGE	230 (V) c.a.

REFERENCE STANDARDS

CEI - EN 62271 - 200

DESCRIPTION			MT SUPPLY		TRANSFORMER PRODUCTION		TRANSFORMER USERS			
GAS INSULATED DISCONNECTOR	I _r (A)				630		630			
	I _k (kA/1s)				12,5		12,5			
GAS INSULATED CIRCUIT BREAKER	I _r (A) I _{cc} (kA)									
	Type									
FUSE	I _n (A) U _n (kV)				100	24	16	24		
	Model									
SETTING OF TRIP UNIT	50/51.0 — I> (DT or EIT)	I _s (A) t (s)								
	50/51.1 — I>>	I _s (A) t (s)								
	50/51.2 — I>>>	I _s (A) t (s)								
	50N/51N.1 — I _o >	I _{so} (A) t (s)								
	50N/51N.2 — I _o >>	I _{so} (A) t (s)								
	67N — I _o >	I _{so} (A) t (s)								
	1° THRESHOLD	V _{so} (V) Angle (°)								
	67N — I _o >	I _{so} (A) t (s)								
	2° THRESHOLD	V _{so} (V) Angle (°)								
	27 (Min.Voltage)	V _s (%) t (s)								
T.A. (Current transformer)										
homopolar transformer										
T.V. (Voltage Transformer)										
CABLE (Istallation metod CEI 11.27)	Sign		unipolare		bipolare		unipolare			
	Size		95	1	35	10	35	10		
	I _b (A)		63,5	266	57,7	153	5,8	153		
MV/LV TRANSFORMER	S _n (kVA)						1000	6		
	Insulation						OLIO	Trihal		
	Transf. Ratio						10/400			
LOAD	S (kVA)									
NOTE							CLASSE: E3 - C3 - F1		CLASSE: E3 - C3 - F1	



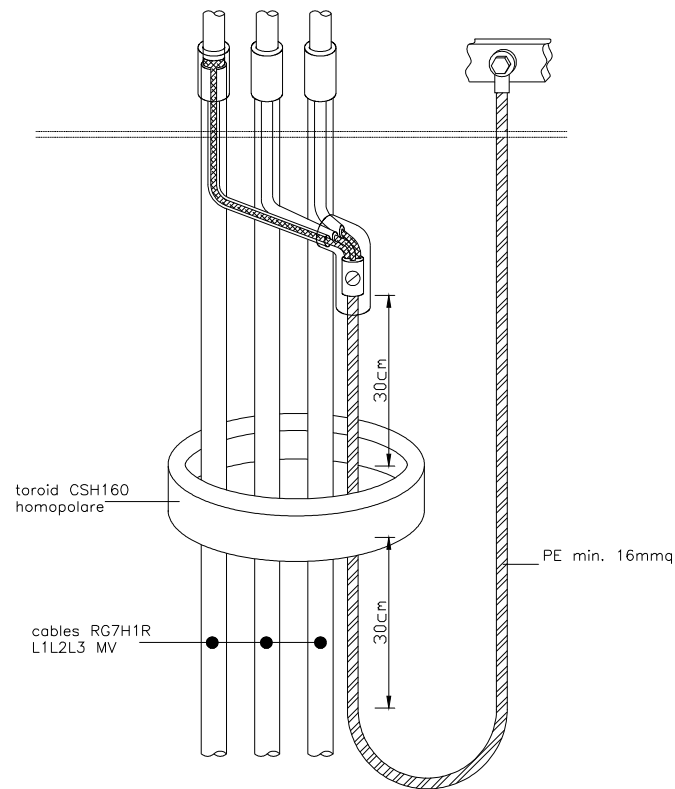
CUSTOMERS

PLANT SPP
YEGHEGNADZOR — ARMENIA

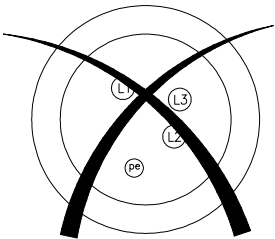
PROJECT
ARCHIVE
DESIGNER

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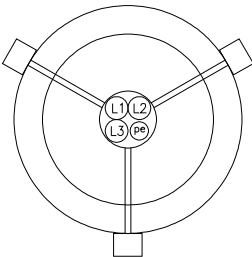
ENCLOSURE
FRONT VIEW



PARTICULAR
CABLES CENTERING



NO

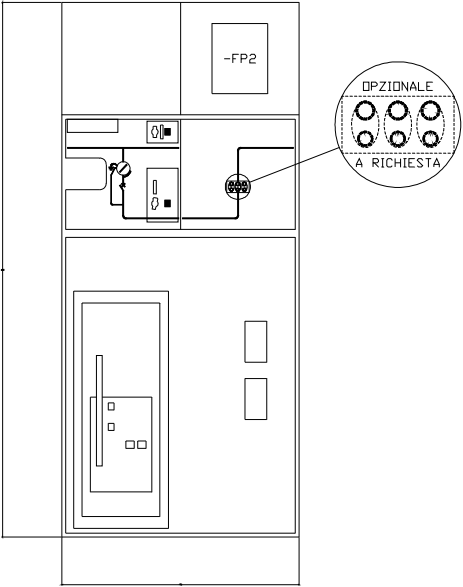


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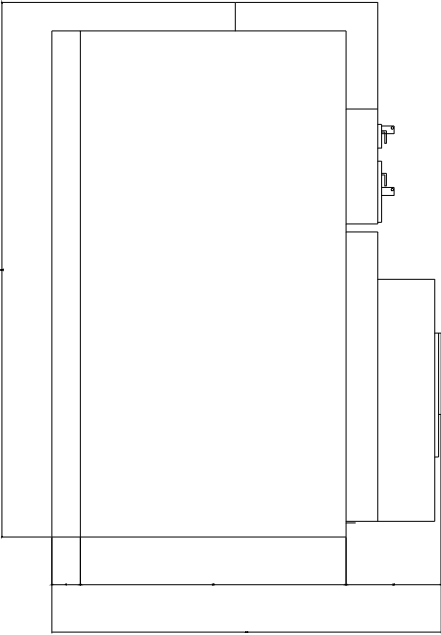
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ENCLOSURE
FRONT VIEW

FRONT



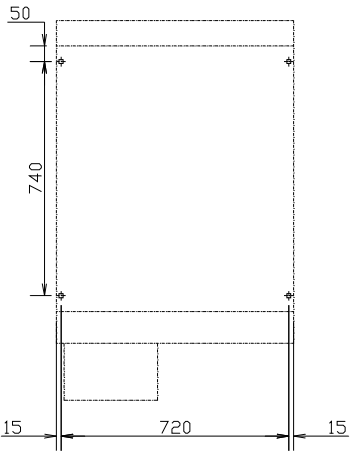
SIDE



SLAB DRILLING

TOP

FRONT

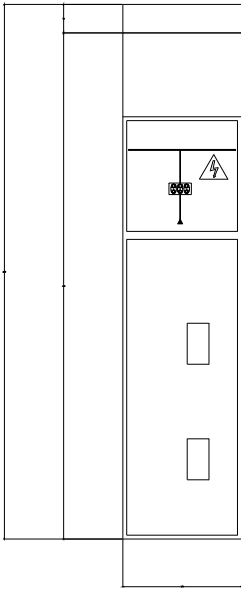


BACK

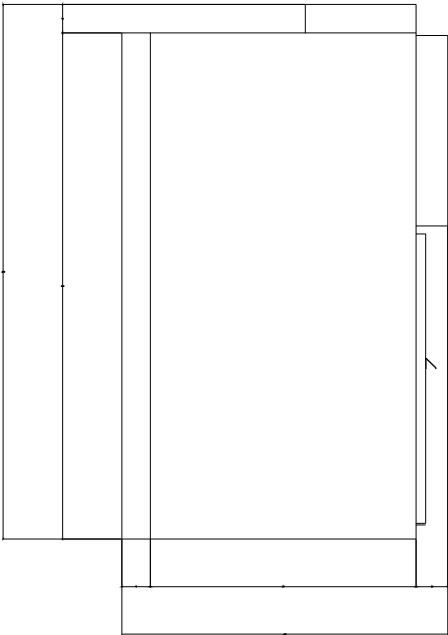
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ENCLOSURE
FRONT VIEW

FRONT

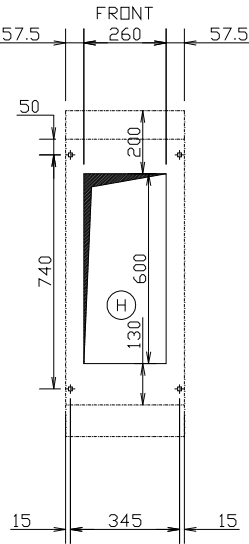


SIDE



SLAB DRILLING

TOP



BACK

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