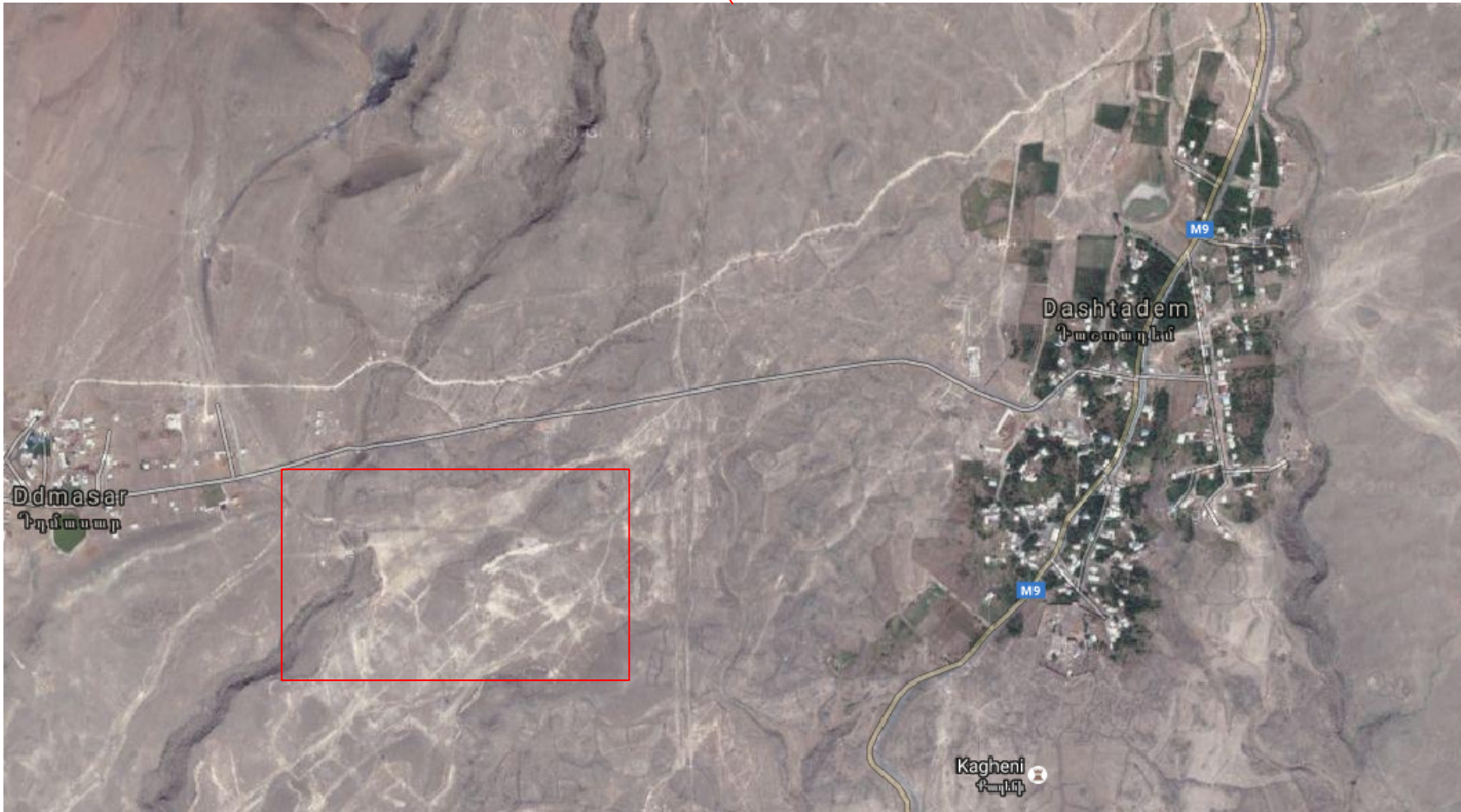

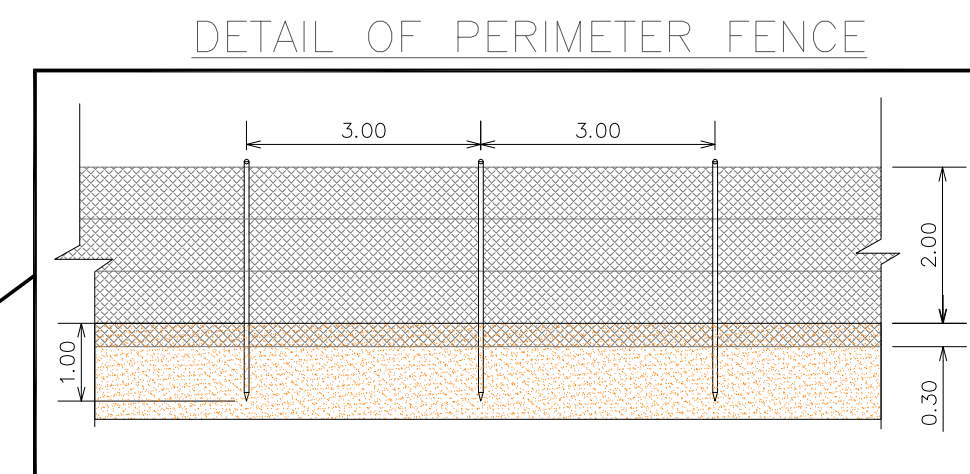


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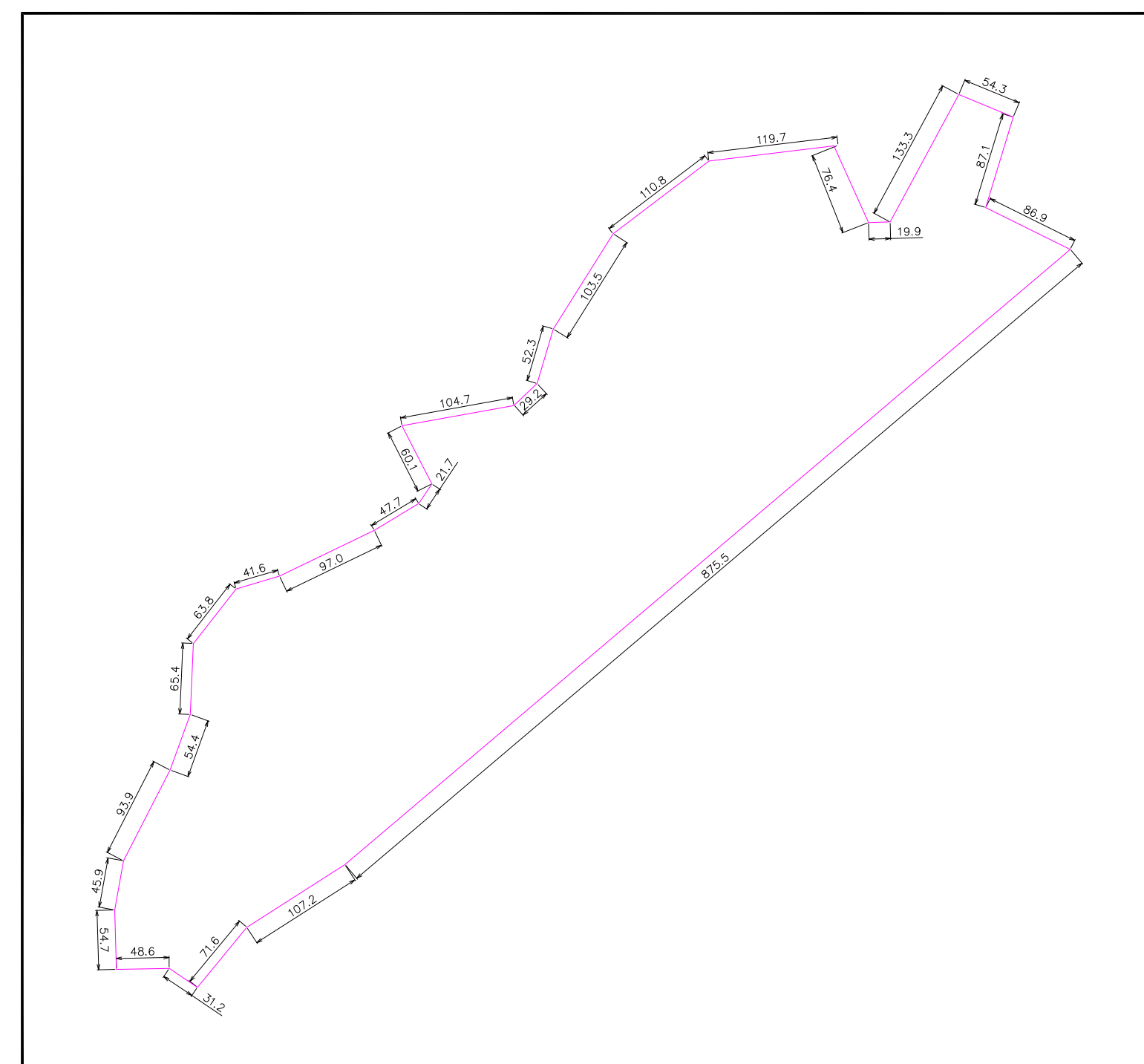


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REV.		DATE		Drawn		Prep.		Checked		Approved		REASON, STATUS OF REVISION											
<div>Author:</div> <div></div> <div>INGENIERIA Y SISTEMAS, S.A.</div>						Class:						PFV DASHTADEM 1 - 12.5MWp											
						Type:																	
						File:																	
						N°:																	
2016/8						PEF2827-041-Dashtodem 1-LDC-R08-ET-160812																	
FIRST ISSUE:						12/08/2016						DASHTADEM LOCATION						Revis:					
Drawn:						Prep.		Check.		Approv.								0					
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PERIMETER FENCE



\*Dimensions in meters

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3	21/09/2016	J.L.G.	E.T.	J.A.M.	M.L.C.	Only For Information
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REV.	DATE	Drawn	Prep.	Checked	Approved	REASON: STATUS OF REVISION
<div>Author:</div> <div> INGENIERIA Y SISTEMAS, S.A.</div>			Class:		GENERALES	<div>PFV DASHTADEM 1 - 12.5MWp</div>
			Type:			
			File:		PEF2827-018-Dashtadem 1 Layout-R04-JLG-016017	
			N°:		PEF2827-018-Dashtadem 1 Layout	
2016/8			Client:			
FIRST ISSUE: 12/08/2016			Client:			
Drawn.	Prep.	Check.	Approv			
J.L.G.	E.T.	J.A.M.	M.L.C.			
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PFV DASHTADEM 1 - 12.5MWp

## GENERAL LAYOUT

Rev:

Replaces: PEF2827-018-Dashtaden 1 Layout-R03-JLG-160921

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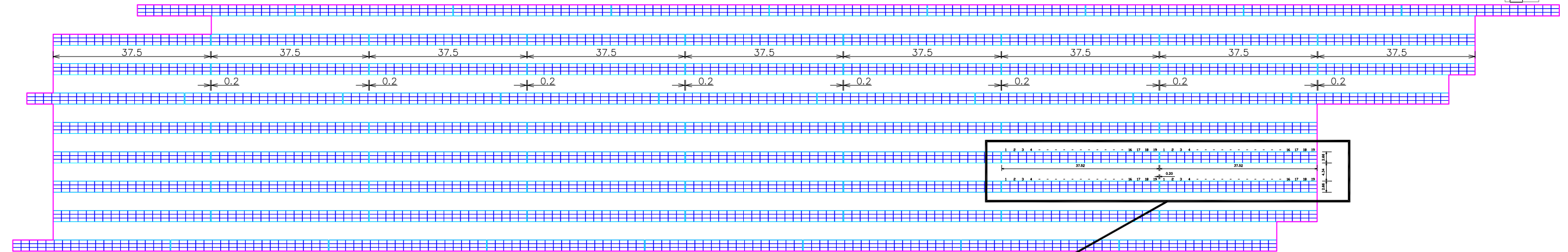
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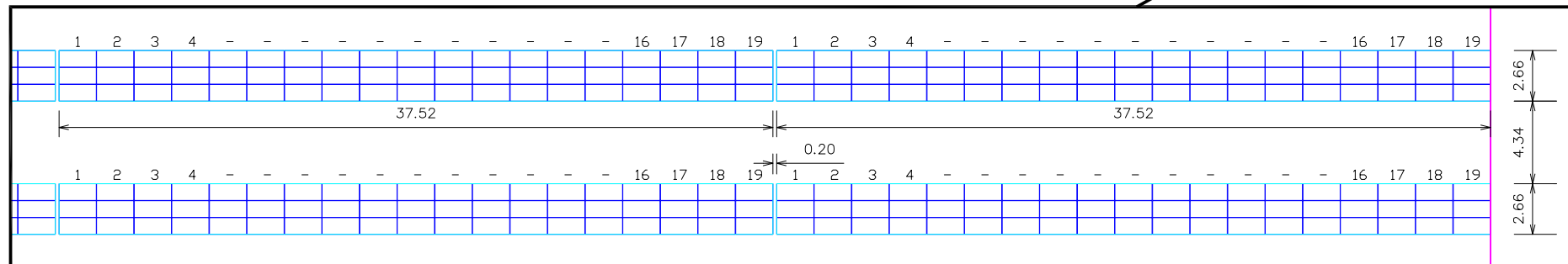
NOTE:

2.3MW



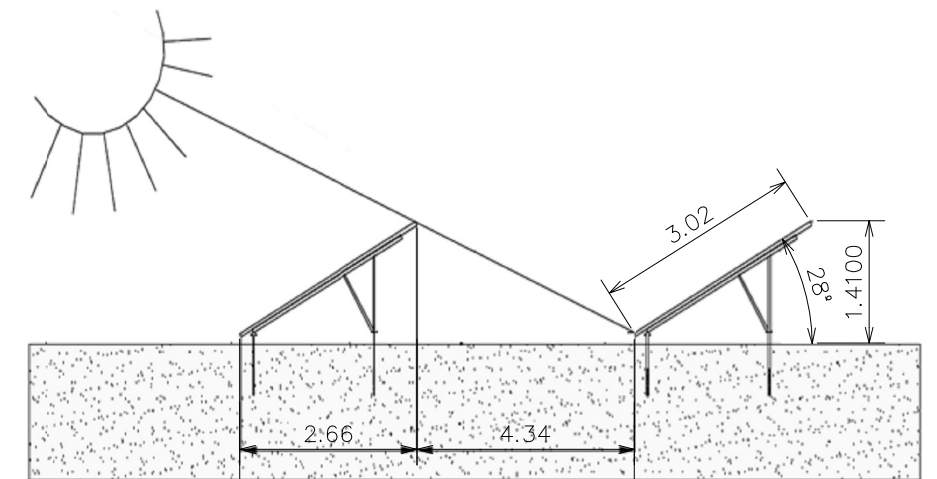
\*Dimensions in meters

### PV STRUCTURE DETAILS



\*Dimensions in meters




### DISTANCES DETAILS



\*Dimensions in meters

### POWER CENTER DATASHEET

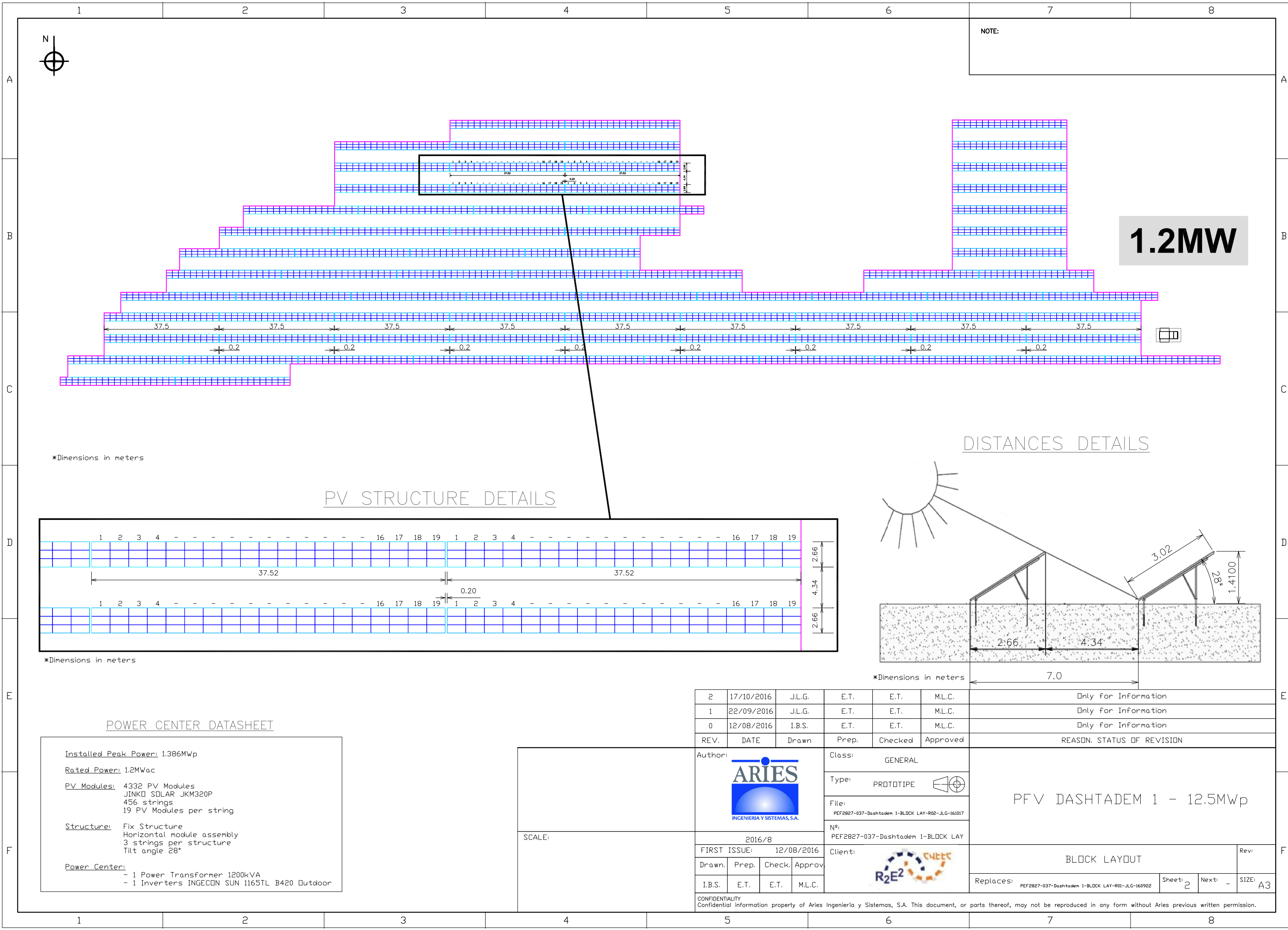
**Installed Peak Power:** 2.773MWp  
**Rated Power:** 2.3MWac  
**PV Modules:** 8664 PV Modules  
JINKO SOLAR JKM320P  
456 strings  
19 PV Modules per string  
**Structure:** Fix Structure  
Horizontal module assembly  
3 strings per structure  
Tilt angle 28°  
**Power Center:**  
- 1 Power Transformer 2330kVA  
- 2 Inverters INGECON SUN 1165TL B420 Outdoor

2	17/10/2016	J.L.G.	E.T.	E.T.	M.L.C.	Only for Information			
1	22/09/2016	J.L.G.	E.T.	E.T.	M.L.C.	Only for Information			
0	12/08/2016	I.B.S.	E.T.	E.T.	M.L.C.	Only for Information			
REV.	DATE	Drawn	Prep.	Checked	Approved	REASON. STATUS OF REVISION			
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		Type: PROTOTYPE							
		File: PEF2827-037-Dashtadem 1-BLOCK LAY-R02-JLG-161017							
		Nº: PEF2827-037-Dashtadem 1-BLOCK LAY							
2016/8									
FIRST ISSUE: 12/08/2016		Client:			BLOCK LAYOUT			Rev: 2	
Drawn.	Prep.	Check.	Approv.						
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SCALE:			
2016/8			
FIRST ISSUE: 12/08/2016			
Drawn. Prep. Check. Approv.			
I.B.S. E.T. E.T. M.L.C.			

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FIRST ISSUE: 12/08/2016			
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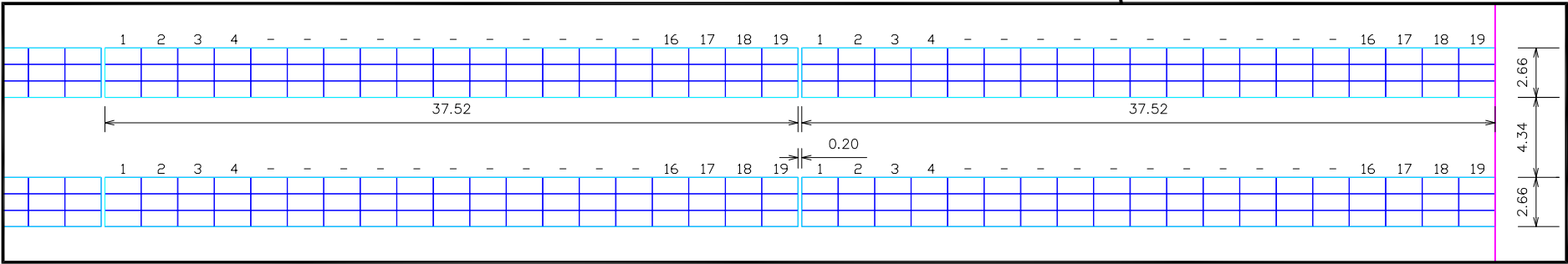


NOTE:

1.2MW

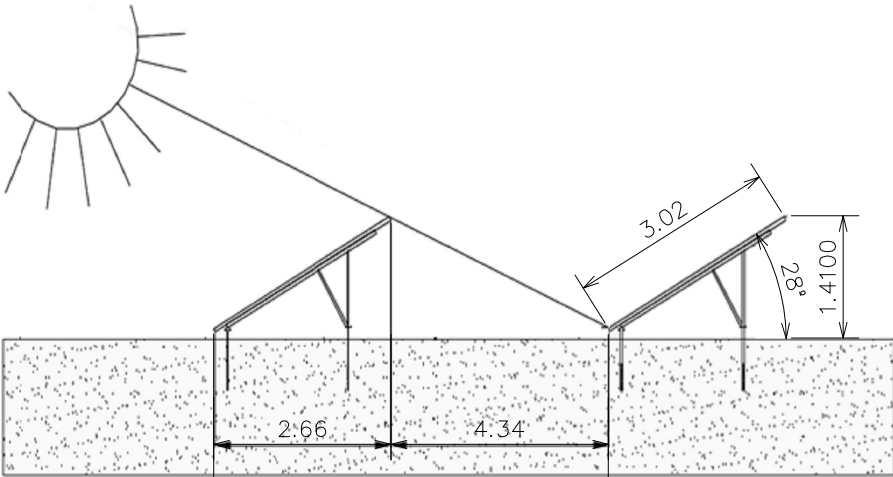
\*Dimensions in meters

PV STRUCTURE DETAILS



\*Dimensions in meters




DISTANCES DETAILS



\*Dimensions in meters

POWER CENTER DATASHEET

Installed Peak Power:	1.386MWp
Rated Power:	1.2MWac
PV Modules:	4332 PV Modules JINKO SOLAR JKM320P 456 strings 19 PV Modules per string
Structure:	Fix Structure Horizontal module assembly 3 strings per structure Tilt angle 28°
Power Center:	- 1 Power Transformer 1200kVA - 1 Inverters INGECON SUN 1165TL B420 Outdoor

2	17/10/2016	J.L.G.	E.T.	E.T.	M.L.C.	Only for Information					
1	22/09/2016	J.L.G.	E.T.	E.T.	M.L.C.	Only for Information					
0	12/08/2016	I.B.S.	E.T.	E.T.	M.L.C.	Only for Information					
REV.	DATE	Drawn	Prep.	Checked	Approved	REASON. STATUS OF REVISION					
<div>Author:</div> <div> INGENIERIA Y SISTEMAS, S.A.</div>		Class:			GENERAL			PFV DASHTADEM 1 - 12.5MWp			
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2016/8		<div>Client:</div> <div></div>									
FIRST ISSUE:				12/08/2016							
Drawn.	Prep.			Check.	Approv.						
I.B.S.	E.T.			E.T.	M.L.C.						
Replaces:		PEF2827-037-Dashtadem 1-BLOCK LAY-R01-JLG-160922			Sheet:		2	Next:	-	SIZE:	A3

Author:



Class:

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Type:

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Nº:

Client:



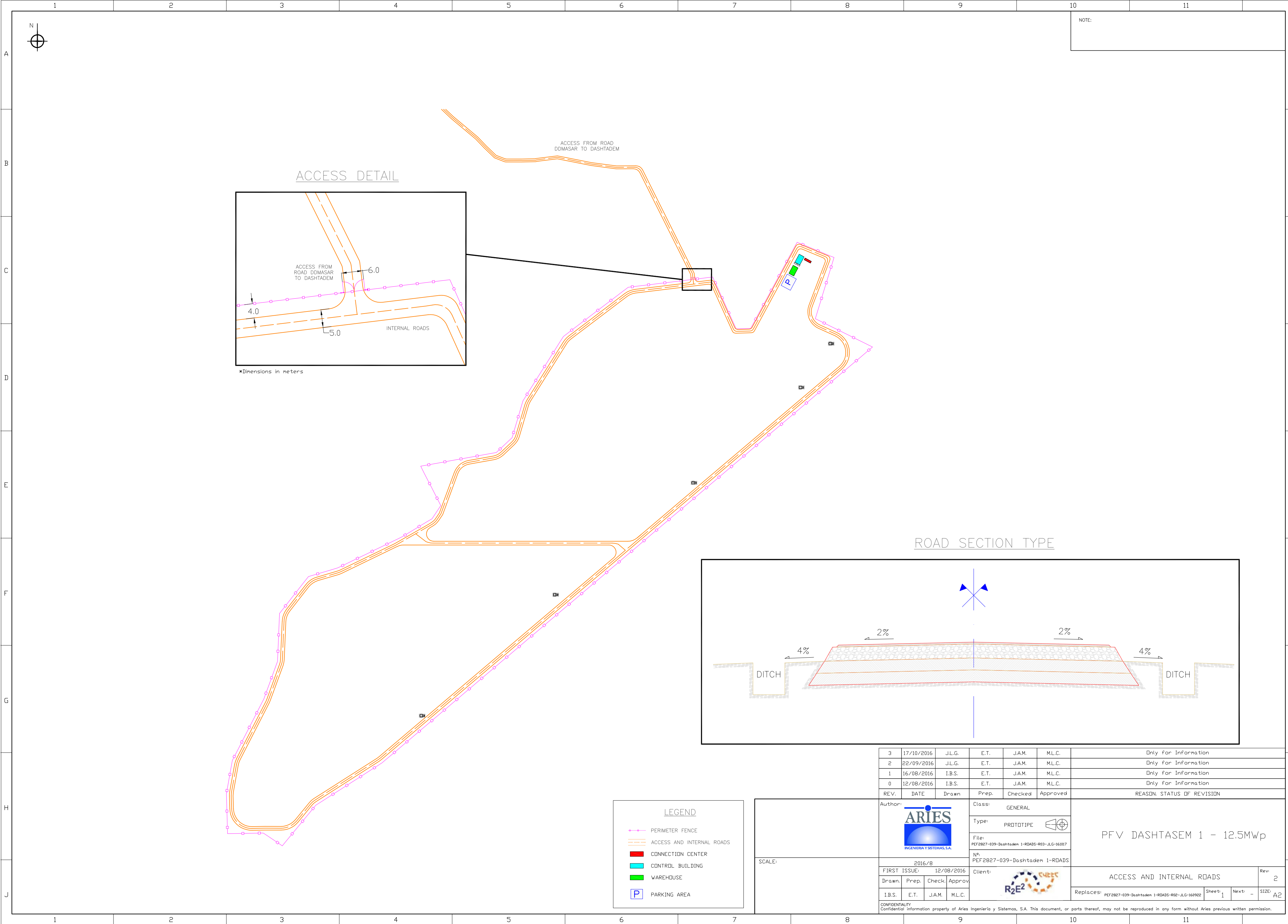
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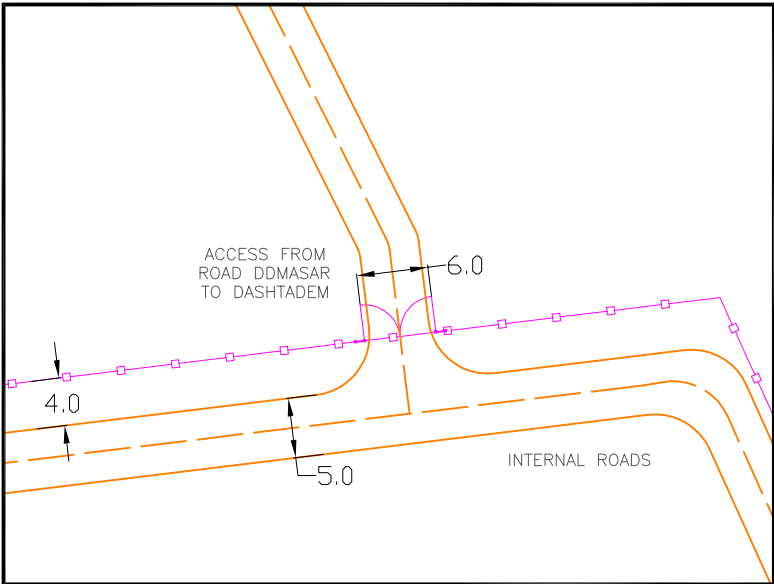
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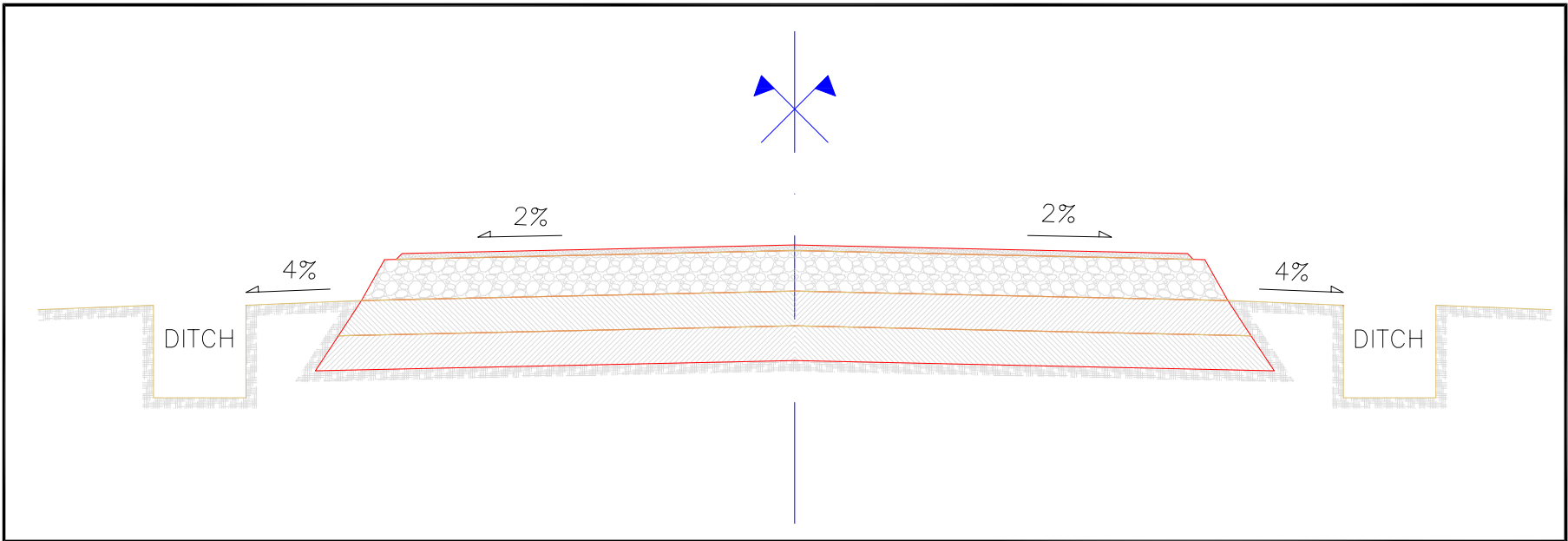
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ACCESS DETAIL





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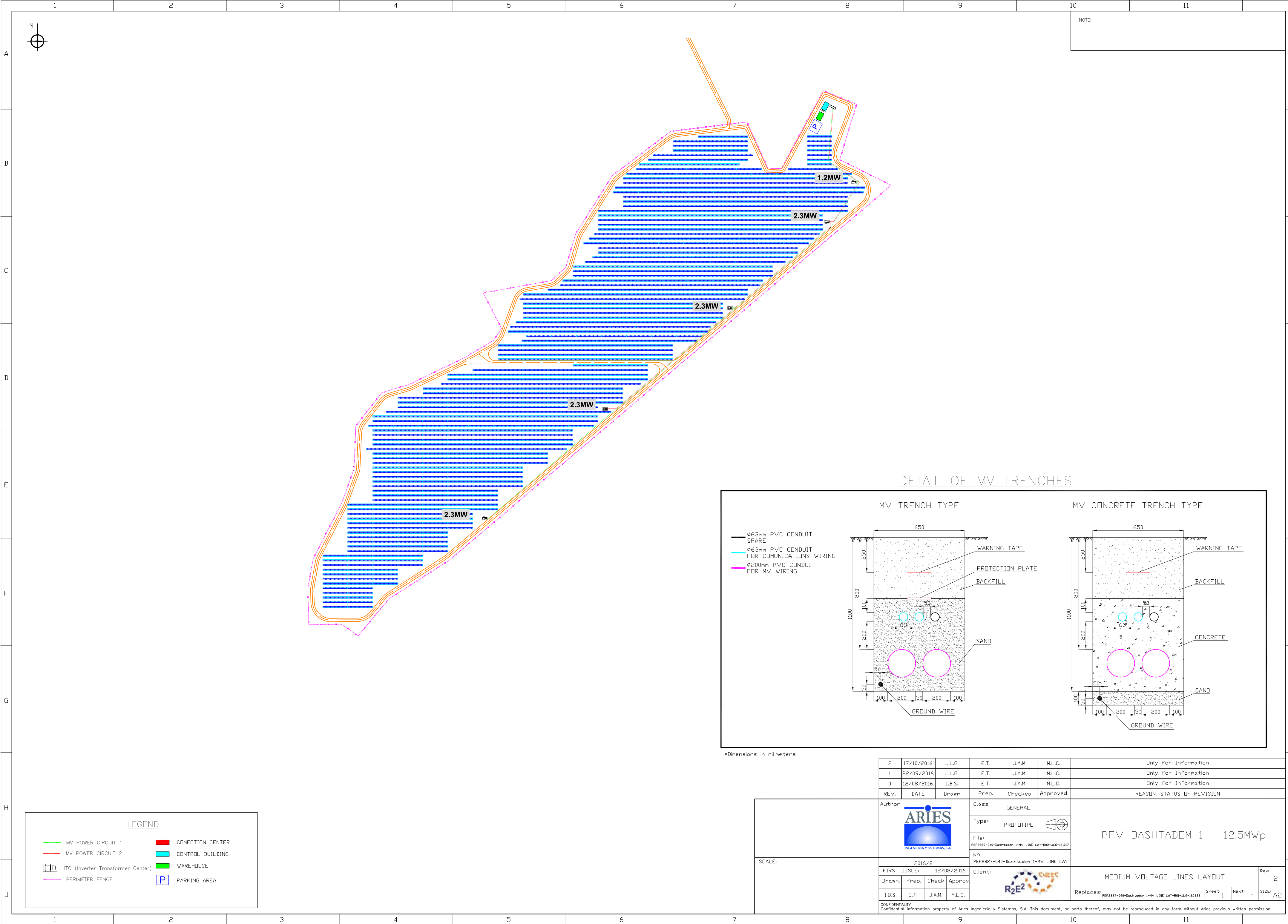
ROAD SECTION TYPE



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	PERIMETER FENCE
	ACCESS AND INTERNAL ROADS
	CONNECTION CENTER
	CONTROL BUILDING
	WAREHOUSE
	PARKING AREA

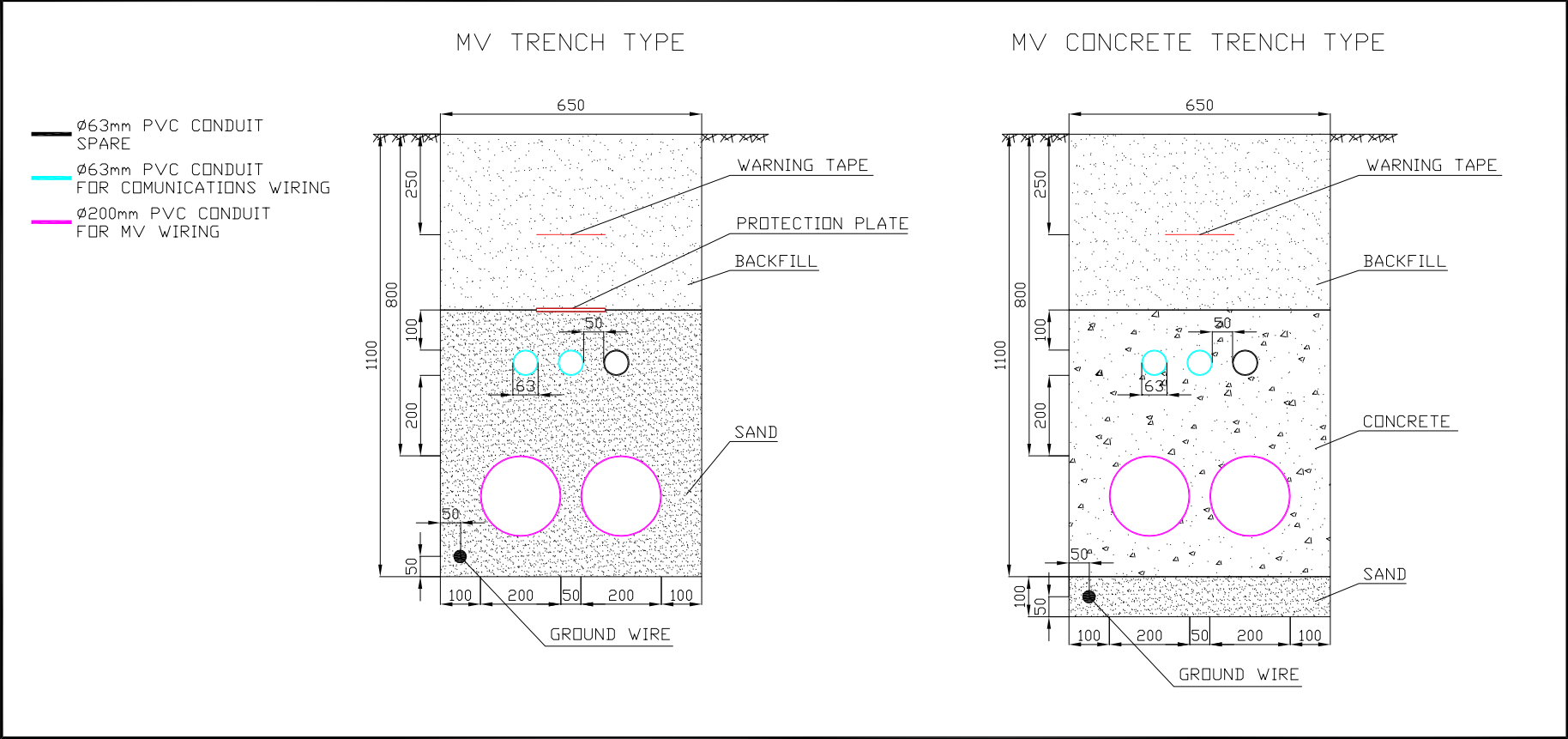
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1	16/08/2016	I.B.S.	E.T.	J.A.M.	M.L.C.	Only for Information
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File: PEF2827-039-Dashtodem 1-ROADS-R03-JLG-160107						
N°: PEF2827-039-Dashtodem 1-ROADS						
2016/8						ACCESS AND INTERNAL ROADS
FIRST ISSUE: 12/08/2016						
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NOTE:

DETAIL OF MV TRENCHES



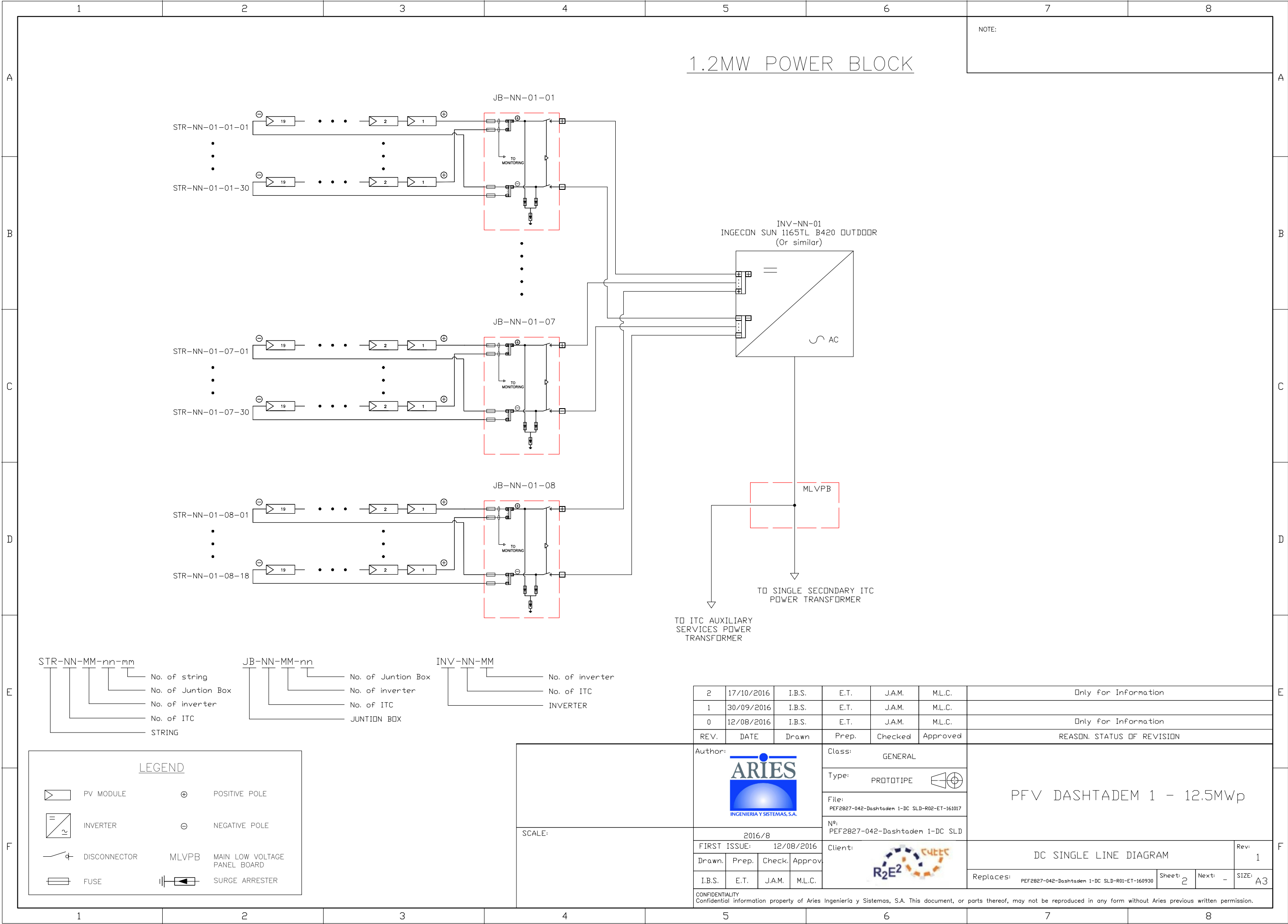
\*Dimensions in millimeters

LEGEND	
MV POWER CIRCUIT 1	CONNECTION CENTER
MV POWER CIRCUIT 2	CONTROL BUILDING
ITC (Inverter Transformer Center)	WAREHOUSE
PERIMETER FENCE	PARKING AREA

2	17/10/2016	J.L.G.	E.T.	J.A.M.	M.L.C.	Only for Information
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Type:						PROTOTYPE
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Nº:						PEF2827-040-Dashtadem 1-MV LINE LAY
Client:						MEDIUM VOLTAGE LINES LAYOUT
Replaces:						PEF2827-040-Dashtadem 1-MV LINE LAY-001-JLG-160002
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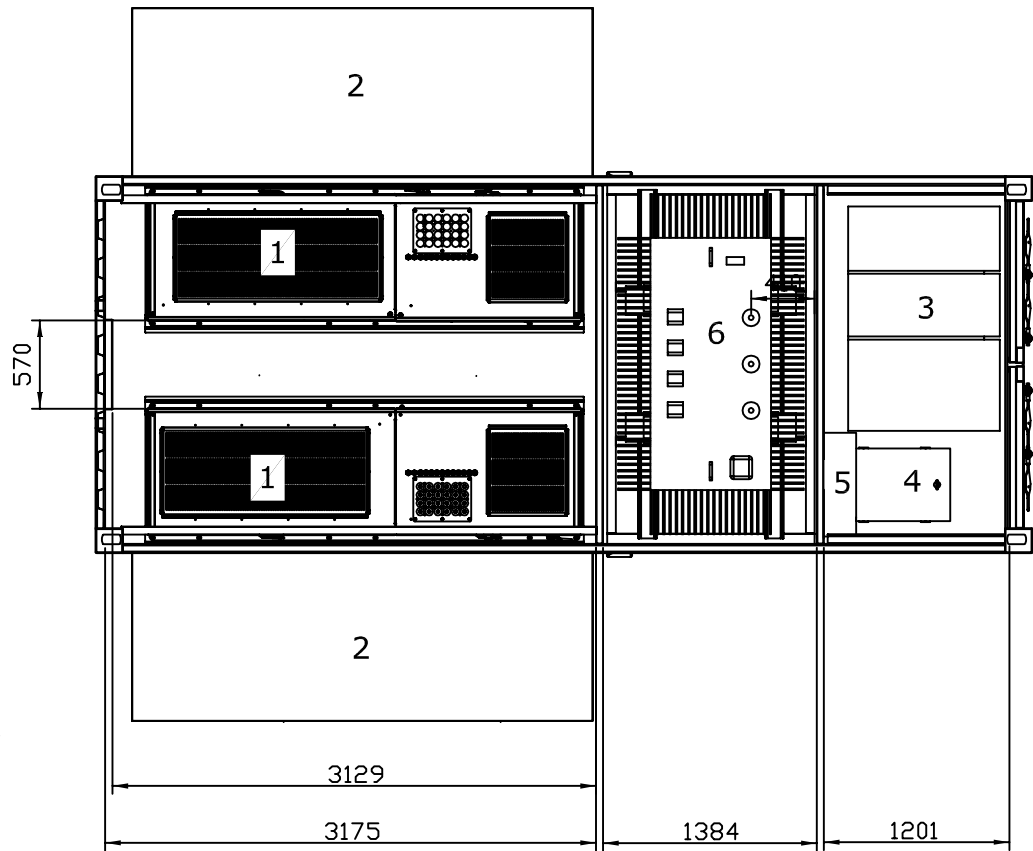
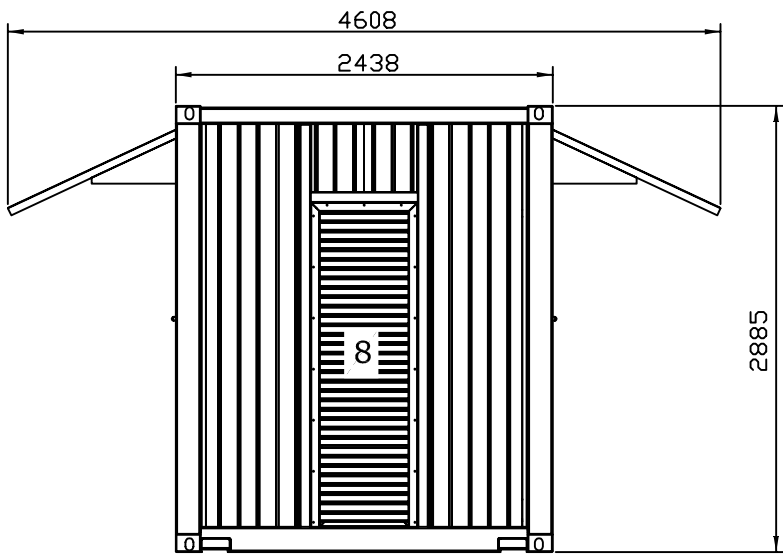
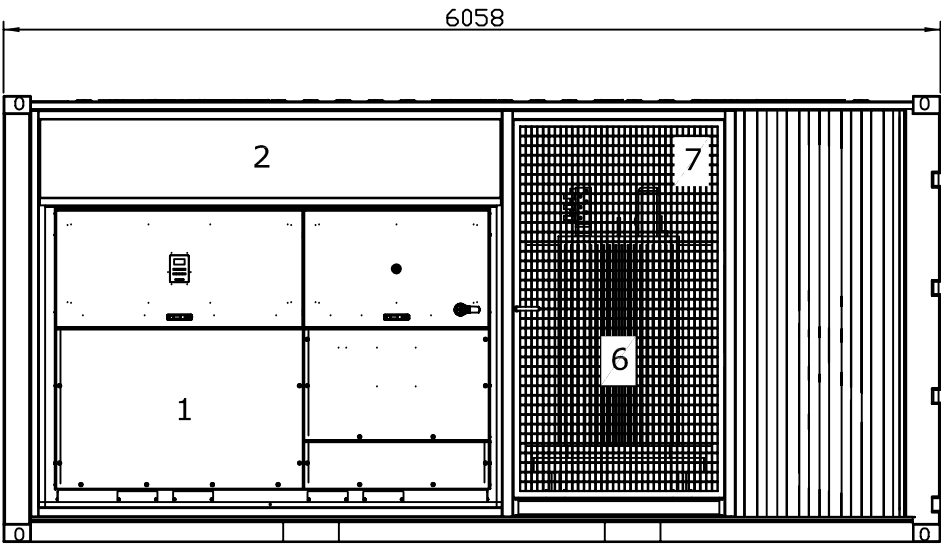
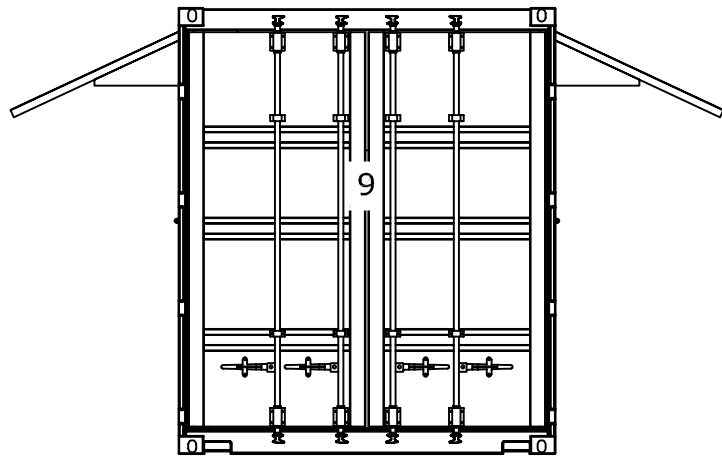









INVERTER TRANSFORMER CENTER – 2,3MW

NOTE:  
Dimensions in millimeters



- ① INVERTER
- ② PROTECTIVE SCREEN
- ③ HV SWITCHGEAR UPTO 36 KV
- ④ AUXILIAR TRANSFORMER UPTO 50 KVA
- ⑤ CONTROLGEAR AND COMMUNICATIONS PANEL
- ⑥ ITC POWER TRANSFORMER  
UP TO 2330 KVA / 36 KV  
DOUBLE SECONDARY  
MAX DIMENSIONS 2200x1200x2000  
(LENGTH x WIDTH x HIGH)
- ⑦ PROTECTIVE METAL GRID IP21  
DIMENSION WAY 3470 x 2452
- ⑧ AIR EXHAUST GRILLE
- ⑨ DOUBLE STANDARD DOOR  
DIMENSIONS WAY 2330x2570

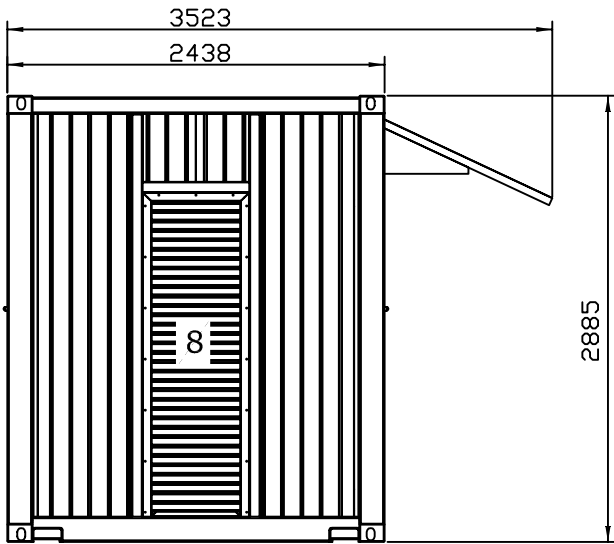
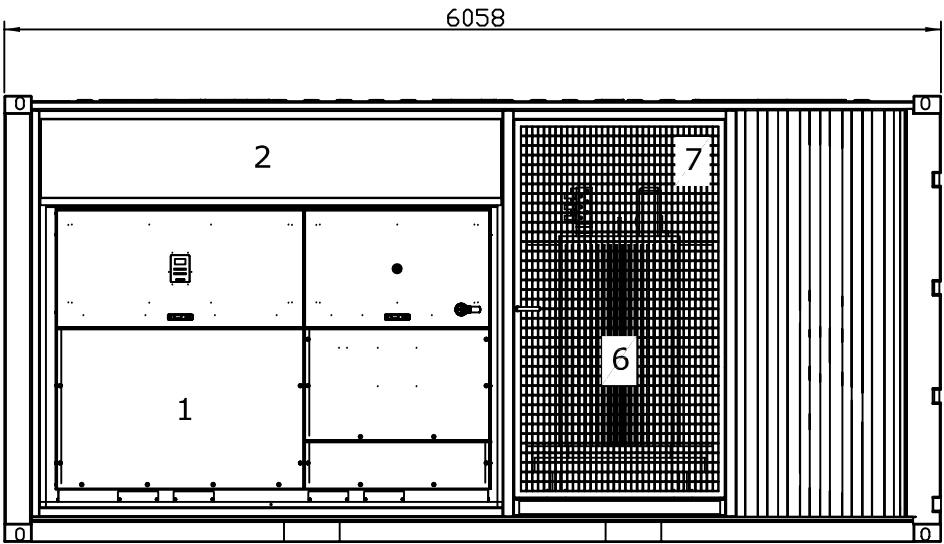
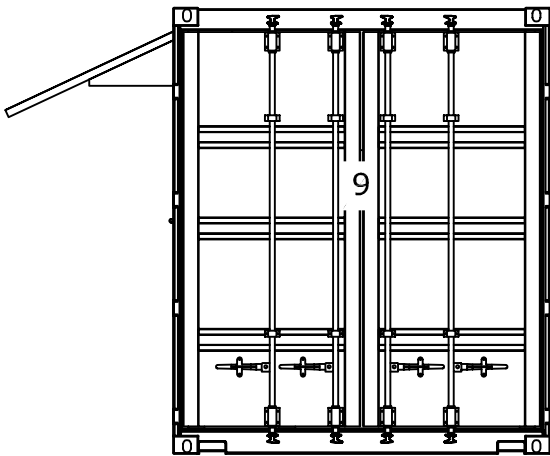
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<div>Author:</div> <div></div> <div>INGENIERIA Y SISTEMAS, S.A.</div>						Class:		GENERAL		PFV DASHTADEM 1 - 12.5MWp					
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						Nº:		PEF2827-043-Dashtadem 1-ITC BUILD							
2016/8															
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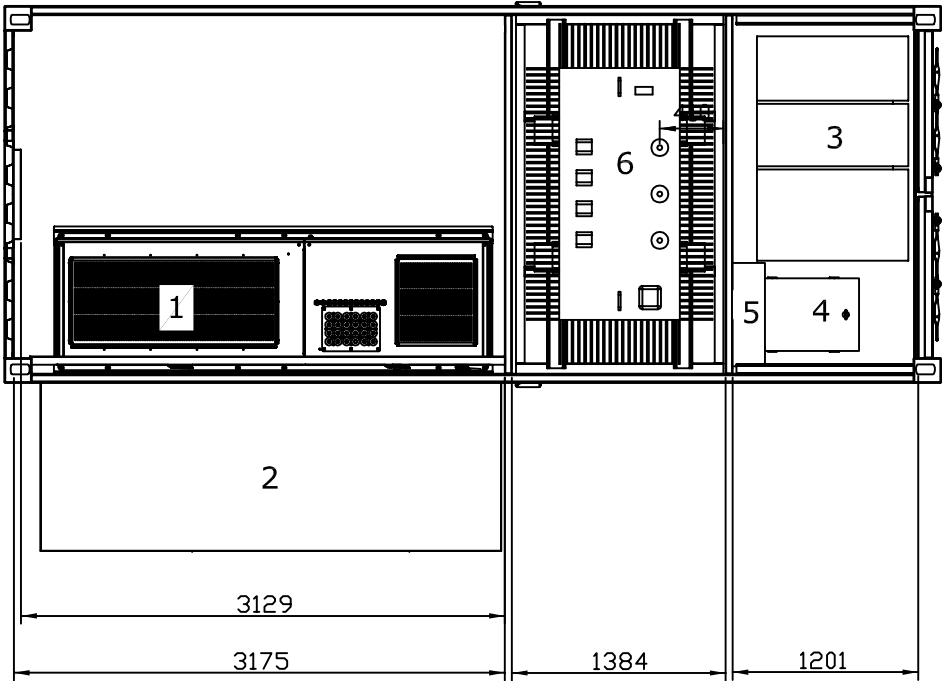





INVERTER TRANSFORMER CENTER – 1,2MW

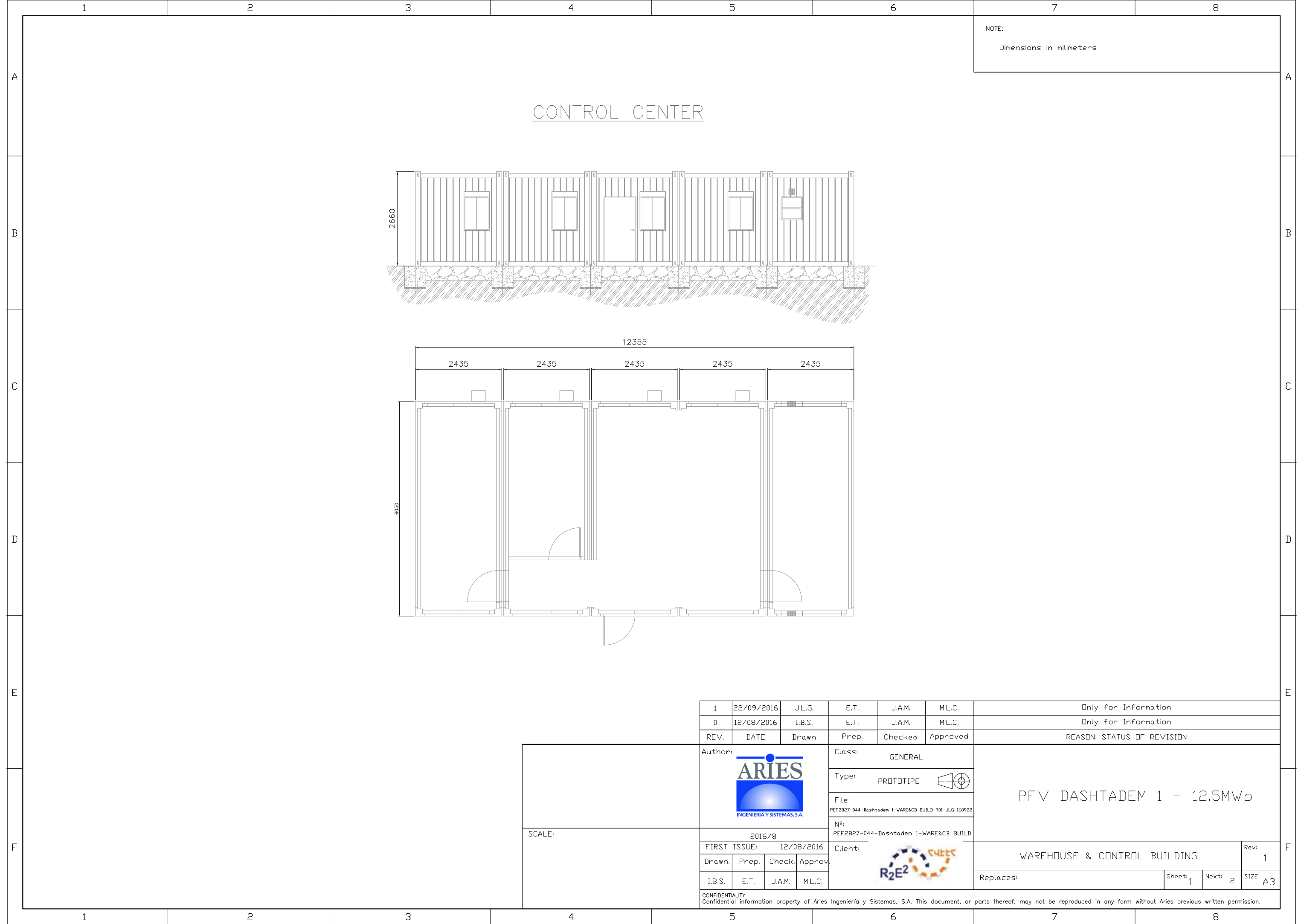
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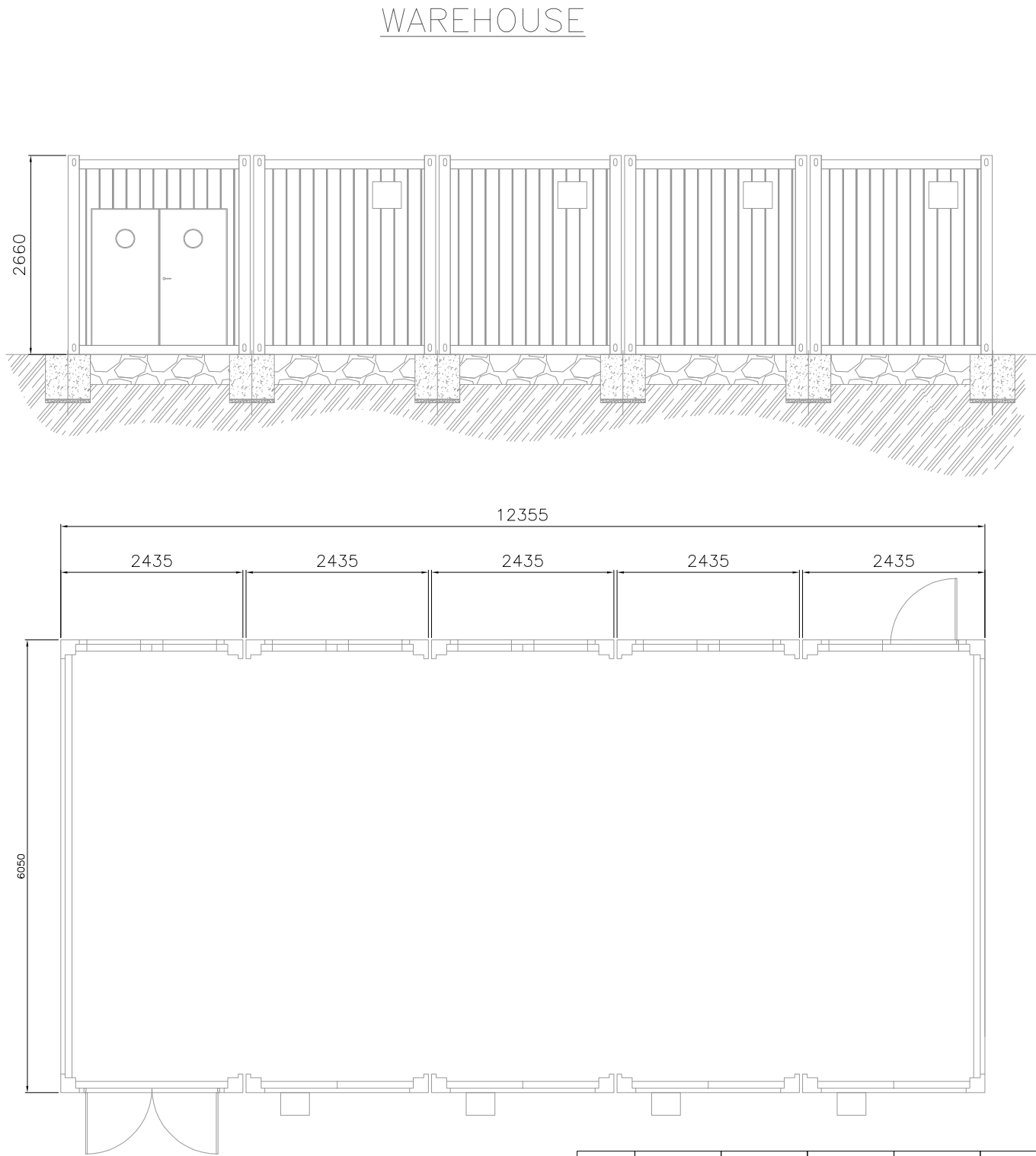
- ① INVERTER
- ② PROTECTIVE SCREEN
- ③ HV SWITCHGEAR UPTO 36 KV
- ④ AUXILIAR TRANSFORMER UPTO 50 KVA
- ⑤ CONTROLGEAR AND COMMUNICATIONS PANEL
- ⑥ ITC POWER TRANSFORMER  
UP TO 1200 KVA / 36 KV  
SINGLE SECONDARY  
MAX DIMENSIONS 2200x1200x2000  
(LENGTH x WIDTH x HIGH)
- ⑦ PROTECTIVE METAL GRID IP21  
DIMENSION WAY 3470 x 2452
- ⑧ AIR EXHAUST GRILLE
- ⑨ DOUBLE STANDARD DOOR  
DIMENSIONS WAY 2330x2570






0	12/08/2016	I.B.S.	E.T.	J.A.M.	M.L.C.	Only for Information										
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2016/8																
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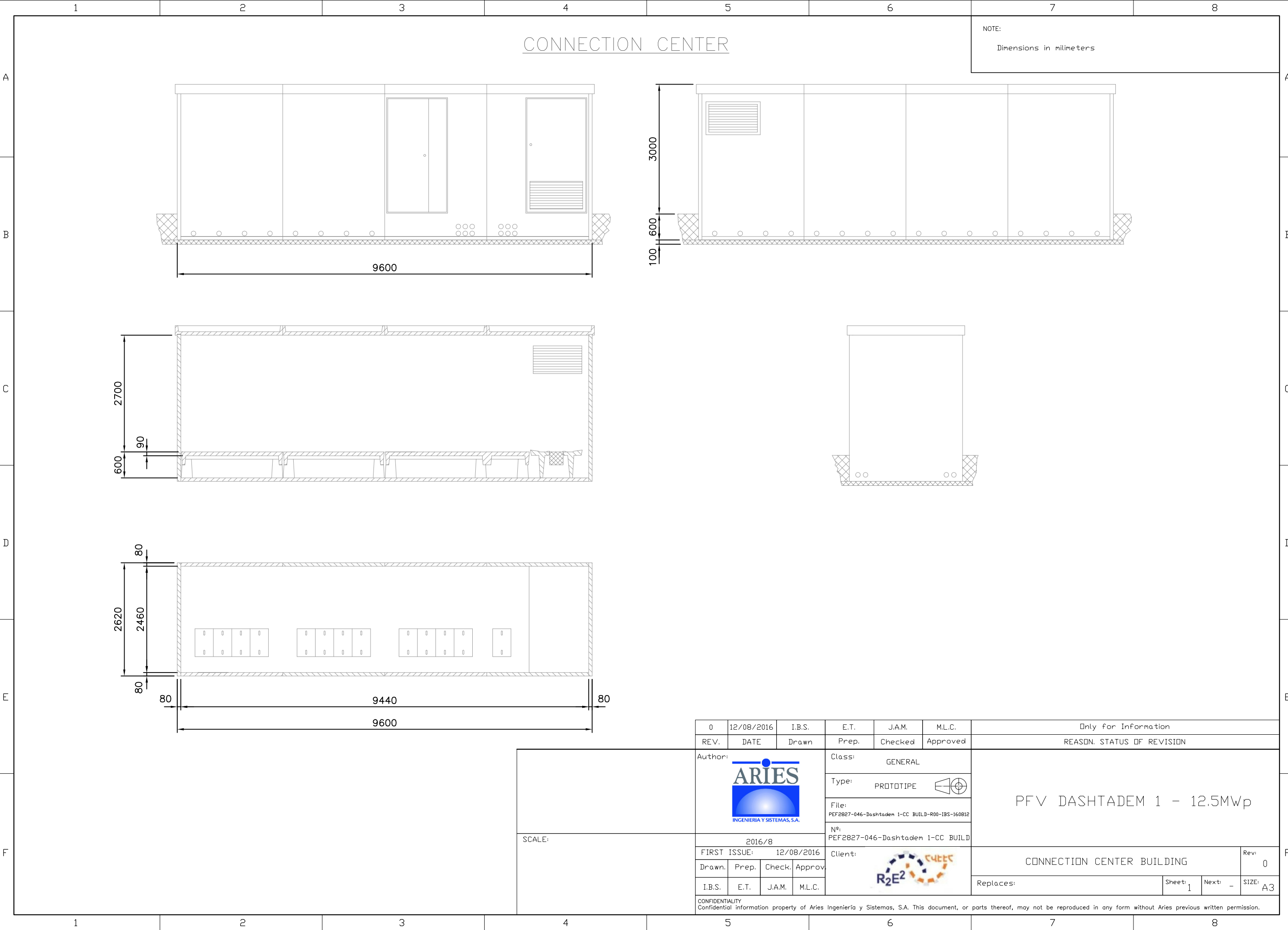









NOTE:  
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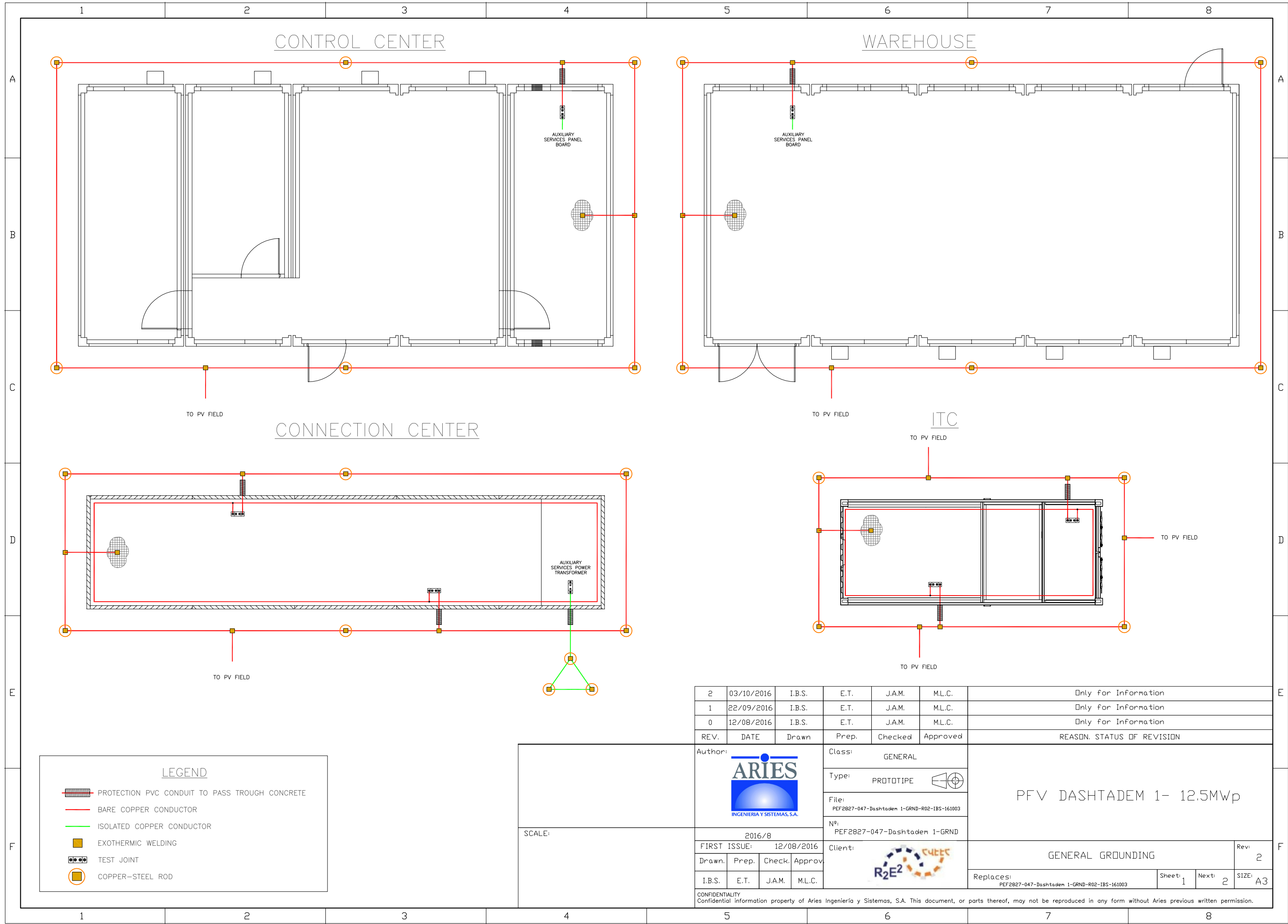
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REV.	DATE	Drawn	Prep.	Checked	Approved	REASON. STATUS OF REVISION						
<div>Author:</div> <div></div> <div>INGENIERIA Y SISTEMAS, S.A.</div>			Class:		GENERAL		PFV DASHTADEM 1 - 12.5MWp					
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			2016/8									
FIRST ISSUE:		12/08/2016		Client:				WAREHOUSE & CONTROL BUILDING		Rev:	0	
Drawn.	Prep.	Check.	Approv.									
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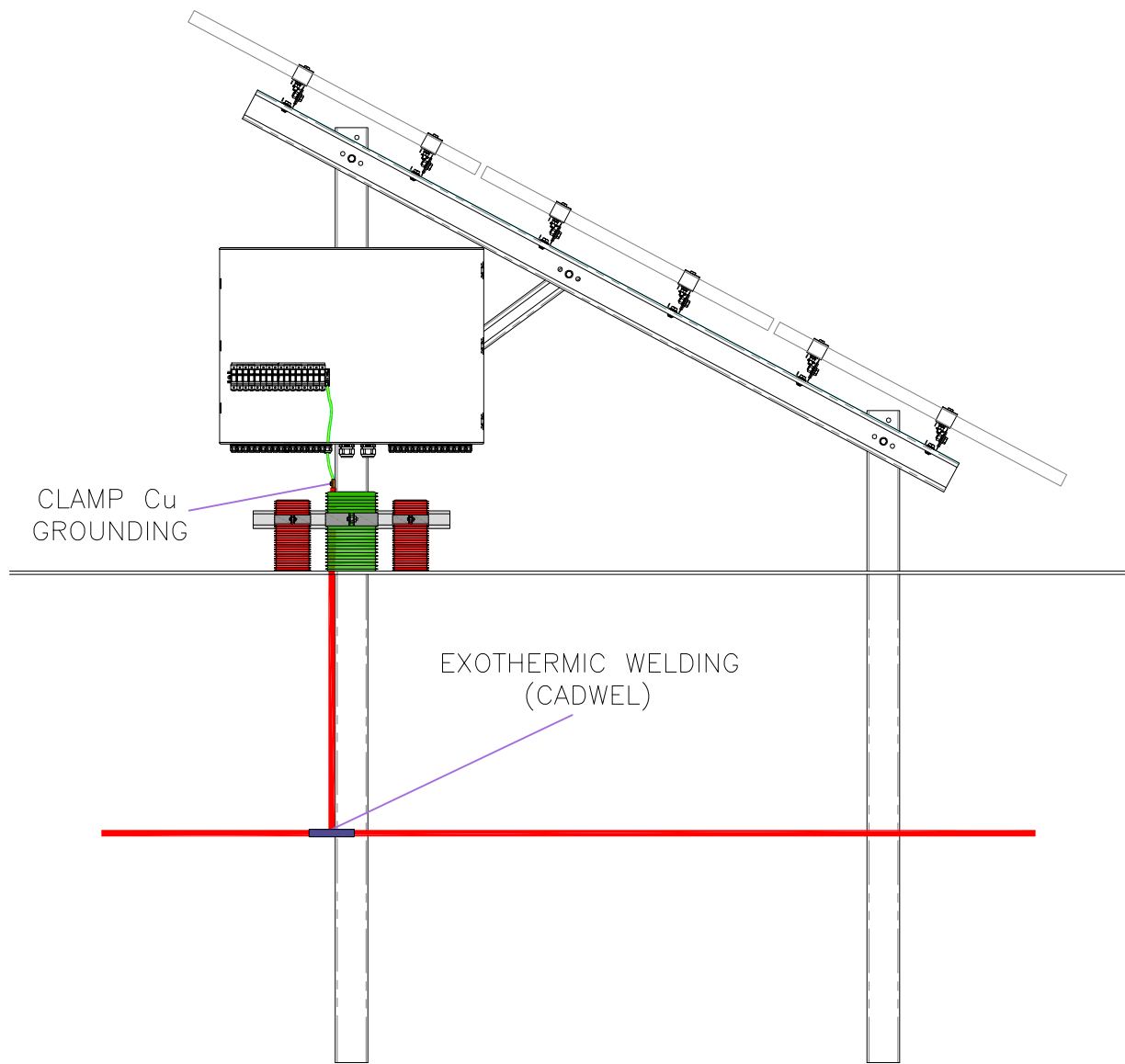
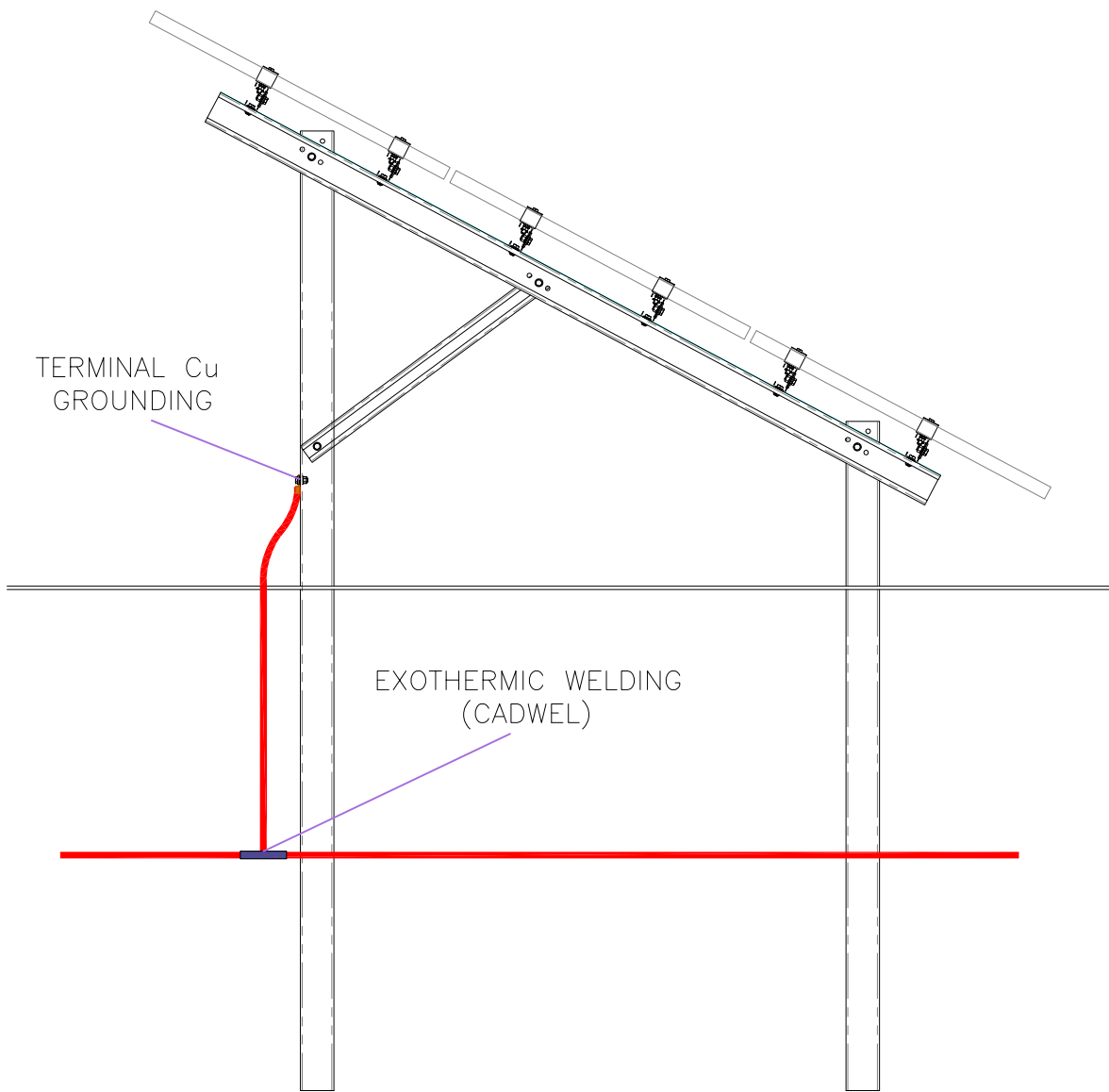


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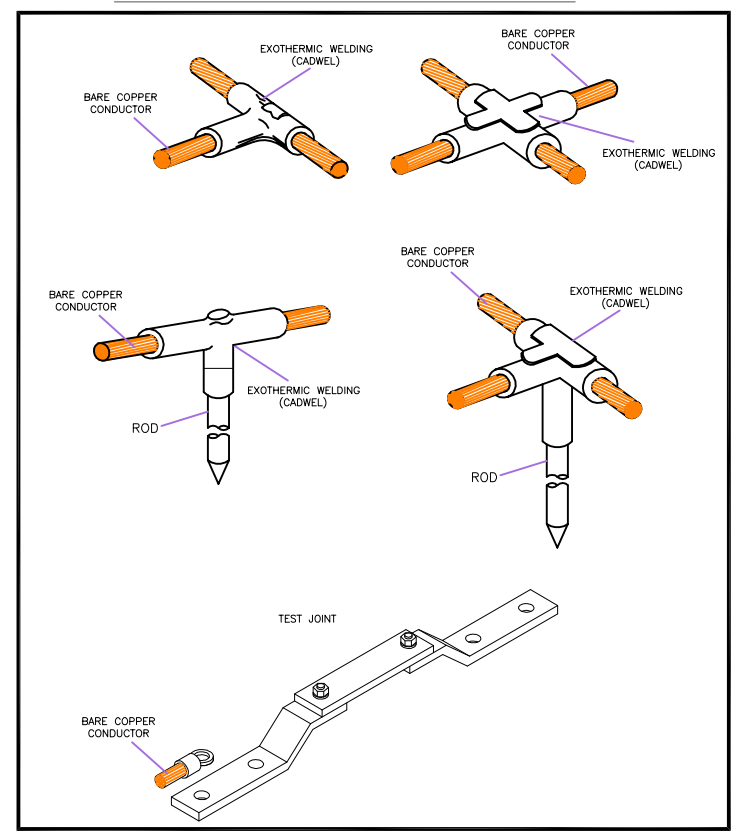
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<div>Author:</div> <div></div> <div>INGENIERIA Y SISTEMAS, S.A.</div>				Class: GENERAL				PFV DASHTADEM 1 - 12.5MWp						
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GROUNDING DETAILS



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<div>Author:</div> <div></div>			Class:		PFV DASHTADEM 1- 12.5MWp				
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2016/8			Nº:						
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FIRST ISSUE: 12/08/2016					GENERAL GROUNDING		Rev:		
Drawn.	Prep.	Check.			Approv.			2	
I.B.S.	E.T.	J.A.M.			M.L.C.				
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







LEGEND

	10KV TRANSMISSION LINE
	PERIMETER FENCE
	ACCESS AND INTERNAL ROADS
	CONNECTION CENTER
	CONTROL BUILDING
	WAREHOUSE
	PARKING AREA

2	04/11/2016	J.L.G.	E.T.	J.A.M.	M.L.C.	Only for Information
1	22/09/2016	J.L.G.	E.T.	J.A.M.	M.L.C.	Only for Information
0	02/09/2016	J.L.G.	E.T.	J.A.M.	M.L.C.	Only for Information
REV.	DATE	Drawn	Prep.	Checked	Approved	REASON, STATUS OF REVISION
Author:				Class:		GENERALES
Type:						
File:				PEF2827-056-Dashtadem 1-OHL ROUTE-R01-JLG-161104		
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2016/8		Client:				PFV DASHTADEM 1 - 12.5MWp
FIRST ISSUE:		02/09/2016		OVERHEAD TRANSMISSION LINE		Revis: 2
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