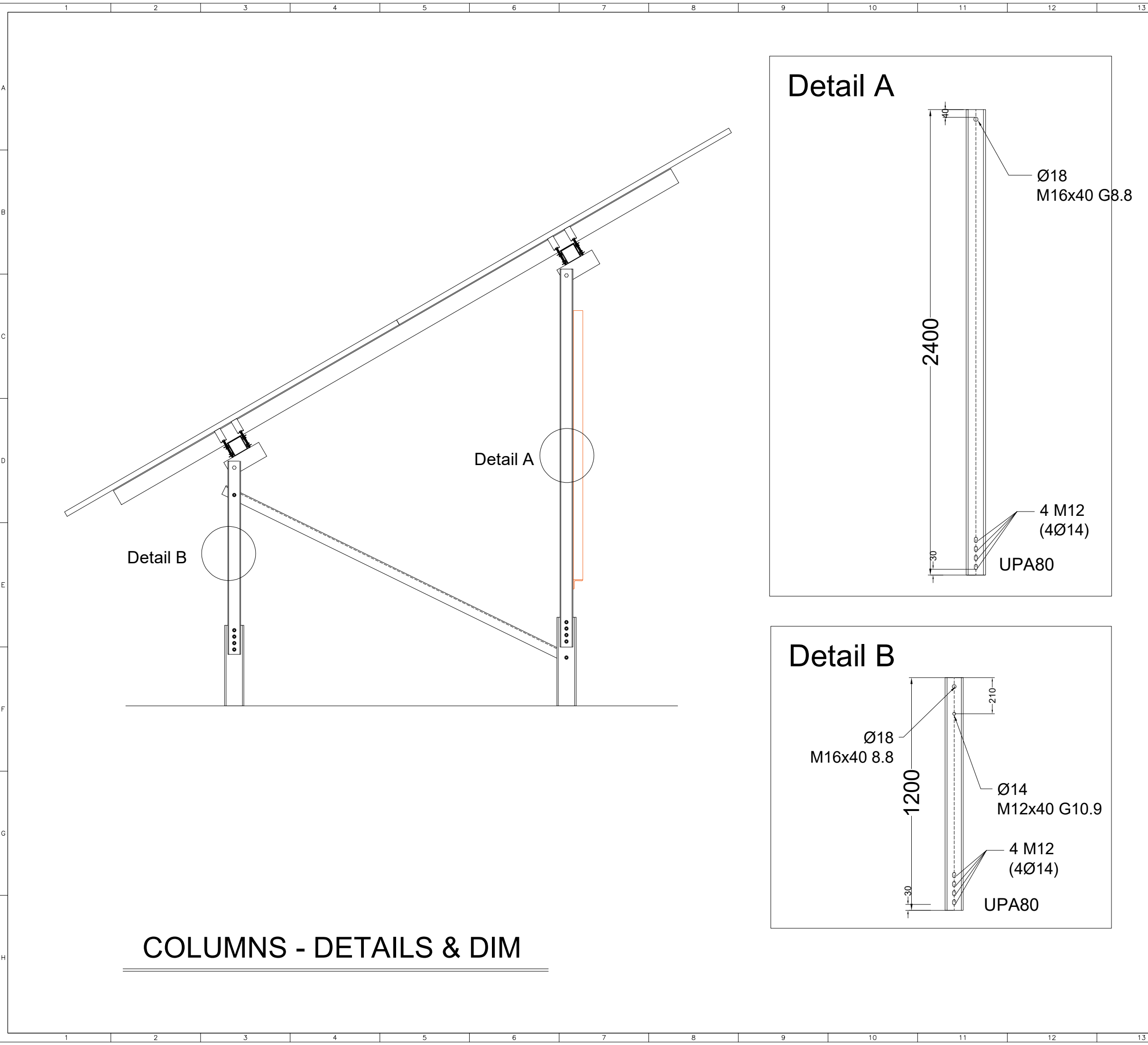


Structure shop Drawing

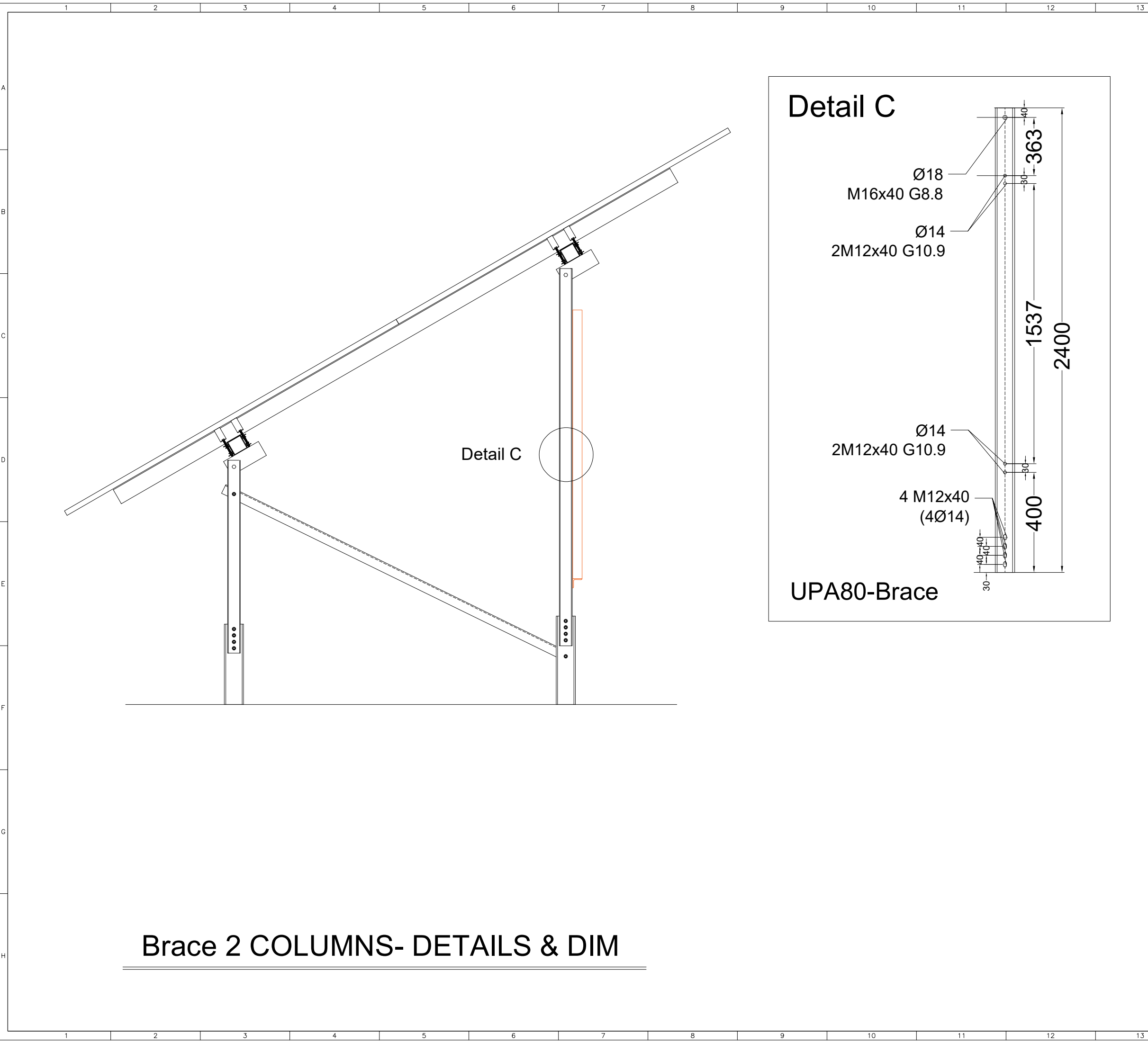
10 MW PV Power-Station

IRAN KHODRO

REFERENCE						
REFERENCE. TITLE	REFERENCE. No.					
NOTES						
ALL DIMENSIONS ARE IN mm.						
LEGEND						
KEY PLAN						
03	10/05/2026	Issued for Approval	A. AHMADIAN	F. ESMAILZADEH	M. RAHMATINIA	M. HAGHANI
02	09/19/2026	Issued for Approval	A. AHMADIAN	F. ESMAILZADEH	M. RAHMATINIA	M. HAGHANI
01	07/29/2026	Issued for Approval	A. AHMADIAN	F. ESMAILZADEH	M. RAHMATINIA	M. HAGHANI
00	06/21/2026	FIRST REVISION OF DRAWINGS	A. AHMADIAN	F. ESMAILZADEH	M. RAHMATINIA	M. HAGHANI
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Client:			Consultant:			
						
Project:			10MW Solar Power Plant (IRAN KHODRO)			
Title:			Structure shop Drawing			
DOC NO.:		MSG-IKKC0-ST-03			REV. 03	
SCALE		SIZE		SHEET		FORMAT
FIT		A3		01 OF 18		DWG



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			آژرخش انرژی مهام شرق				
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Title:							Structure shop Drawing
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Brace 2 COLUMNS- DETAILS & DIM

REFERENCE

REFERENCE. TITLE

REFERENCE. No.

NOTES

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LEGEND

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Client:



IKK

IRAN KHODRO KHORASAN

ایران خودرو خراسان

Contractor:



آرغش انرژی مهاباد شرق

Sub Contractor:

Project:

10MW Solar Power Plant
(IRAN KHODRO)

Title:

Structure shop Drawing

DOC NO.:

MSG-IKKC0-ST-03

REV.

03

SCALE

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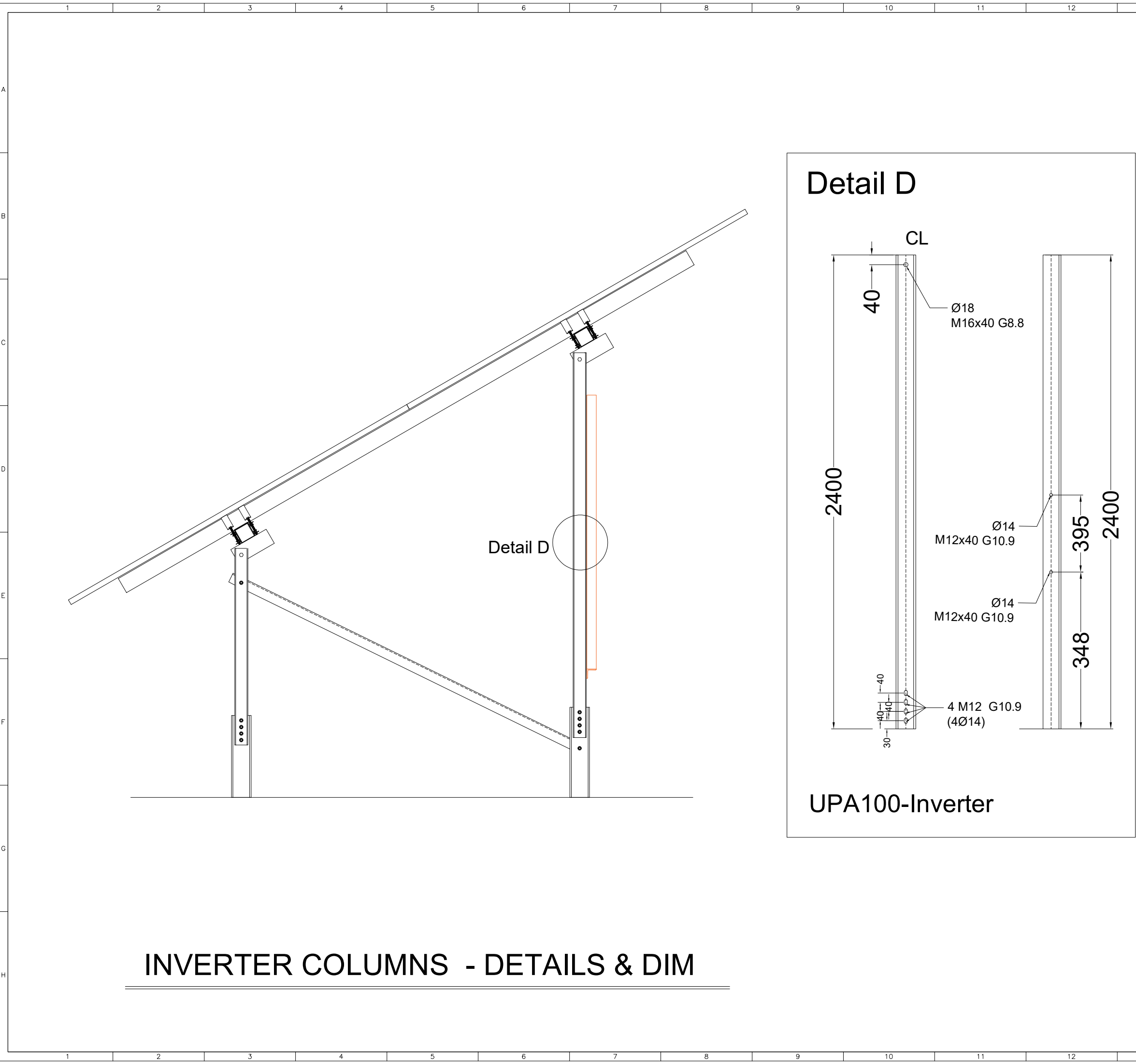
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FIT

A3

03 OF 18

DWG



INVERTER COLUMNS - DETAILS & DIM

Detail D

CL

40

2400

Ø18
M16x40 G8.8

Ø14
M12x40 G10.9

395

2400

348

40

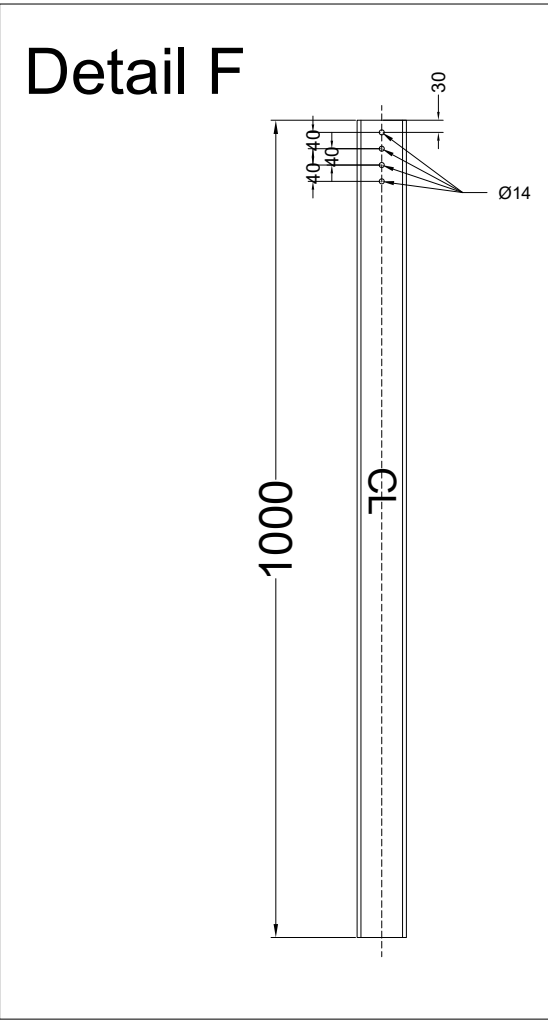
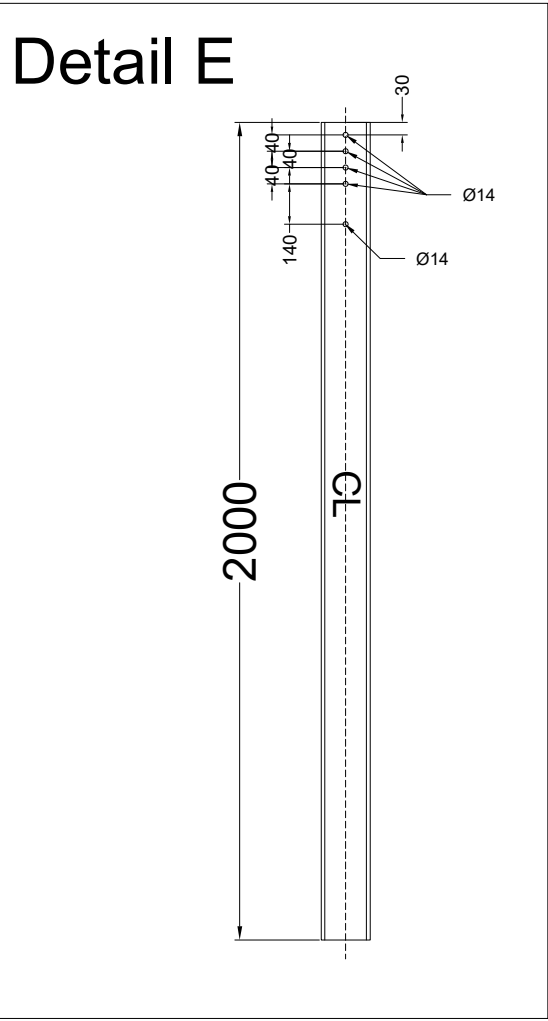
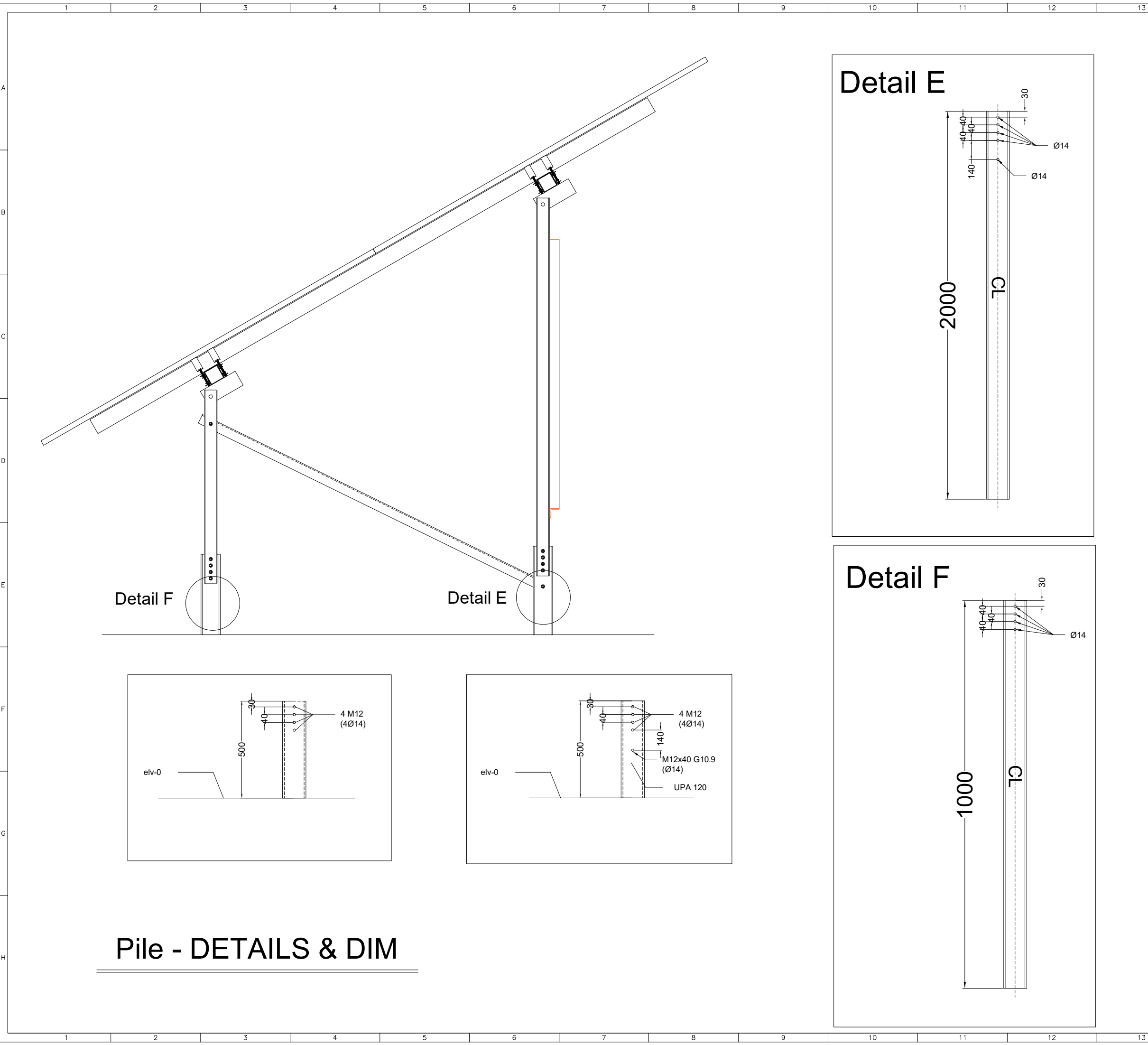
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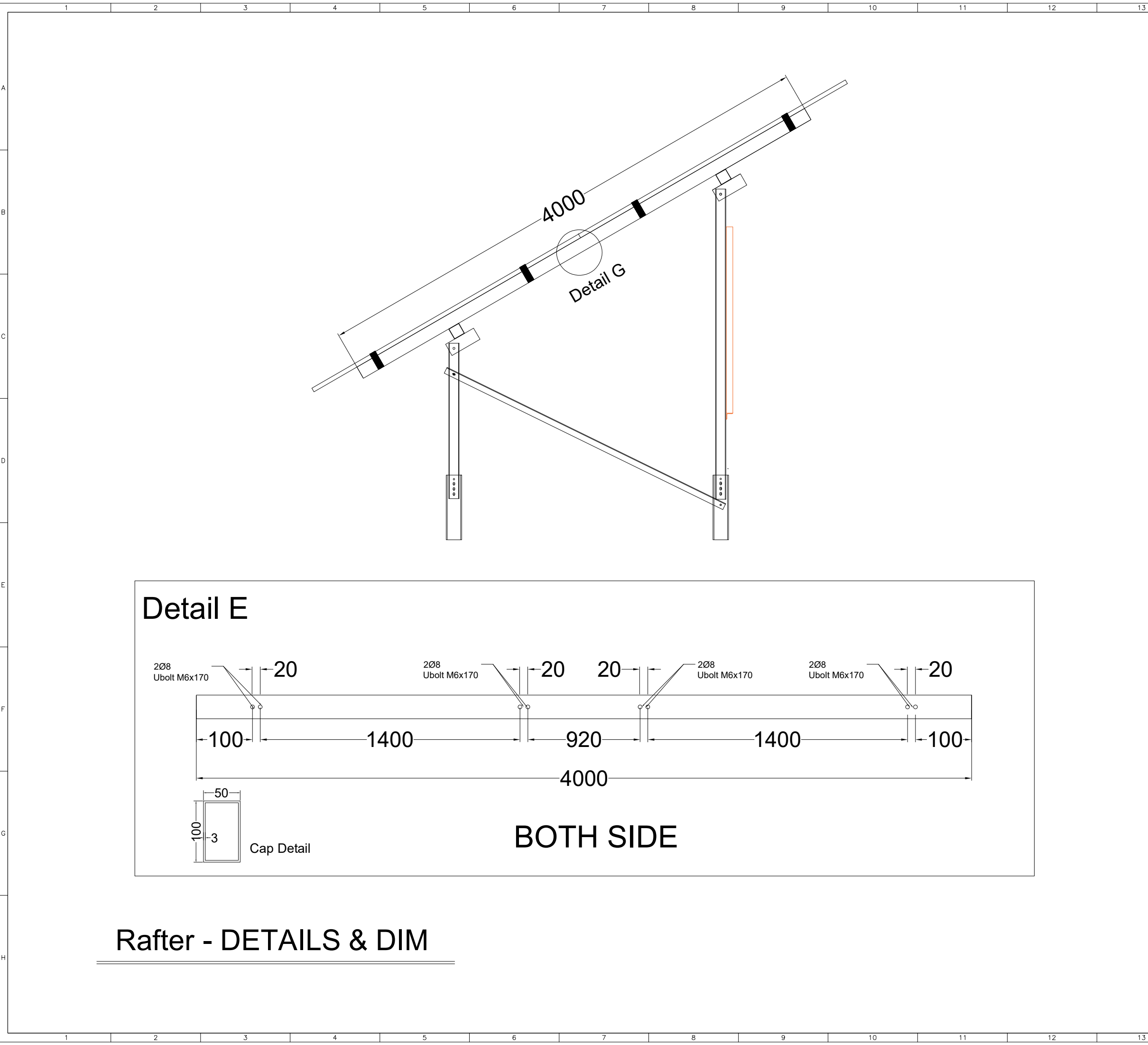
4 M12 G10.9
(4Ø14)

UPA100-Inverter

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Contractor:				Sub Contractor:			
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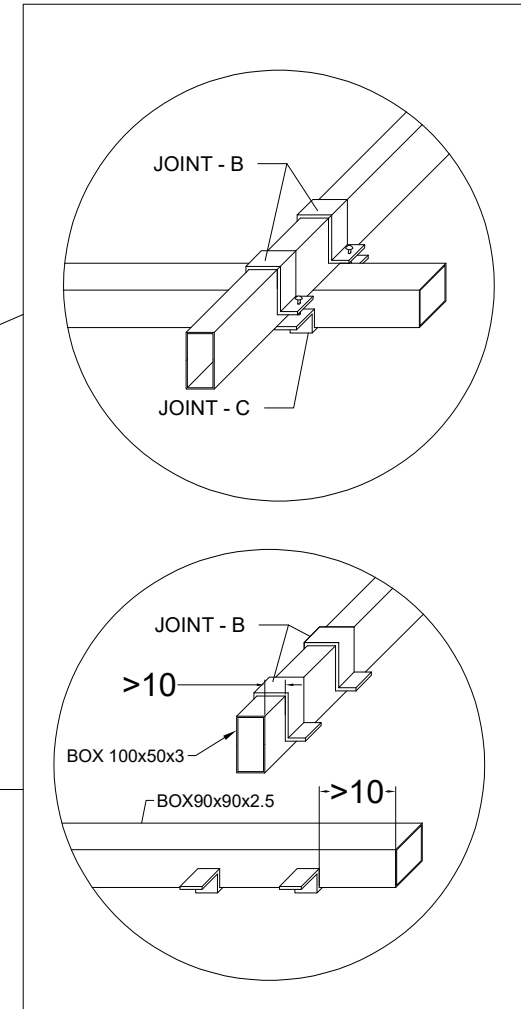
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FIT		A3		06 OF 18		DWG	
		14		15		16	

JOINTS B & C - DETAILS & DIMS

The drawing illustrates a solar panel mounting system. The main view shows a perspective of a panel supported by a frame of rails and posts. Two specific joints are highlighted with circular callouts. The top callout, labeled 'JOINT - B', shows a cross-section of a rail-to-rail connection. The bottom callout, labeled 'JOINT - C', shows a cross-section of a rail-to-post connection. Both callouts include dimension lines indicating a minimum clearance of >10 and specify the use of 'BOX 100x50x3' and 'BOX 90x90x2.5' components.



Technical drawing of a mechanical part, showing front and top views with dimensions.

Front View (Top):

- Overall width: 125
- Overall height: 80
- Top flange width: 55
- Bottom flange width: 35

Top View (Bottom):

- Overall width: 125
- Overall depth: 40
- Left flange depth: 20
- Distance from left edge to center of hole: 16
- Hole diameter: $\varnothing 12$

Technical drawing of a mechanical part, showing front and top views with dimensions.

Front View (Top):

- Overall width: 165
- Overall height: 80
- Inner width: 95
- Inner height: 35

Top View (Bottom):

- Overall width: 165
- Overall depth: 40
- Left side depth: 20
- Left side width: 16
- Feature: A circular hole with diameter $\varnothing 12$.

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FIT		A3	07 OF 18		DWG	

A



E



F

H

A

B

C

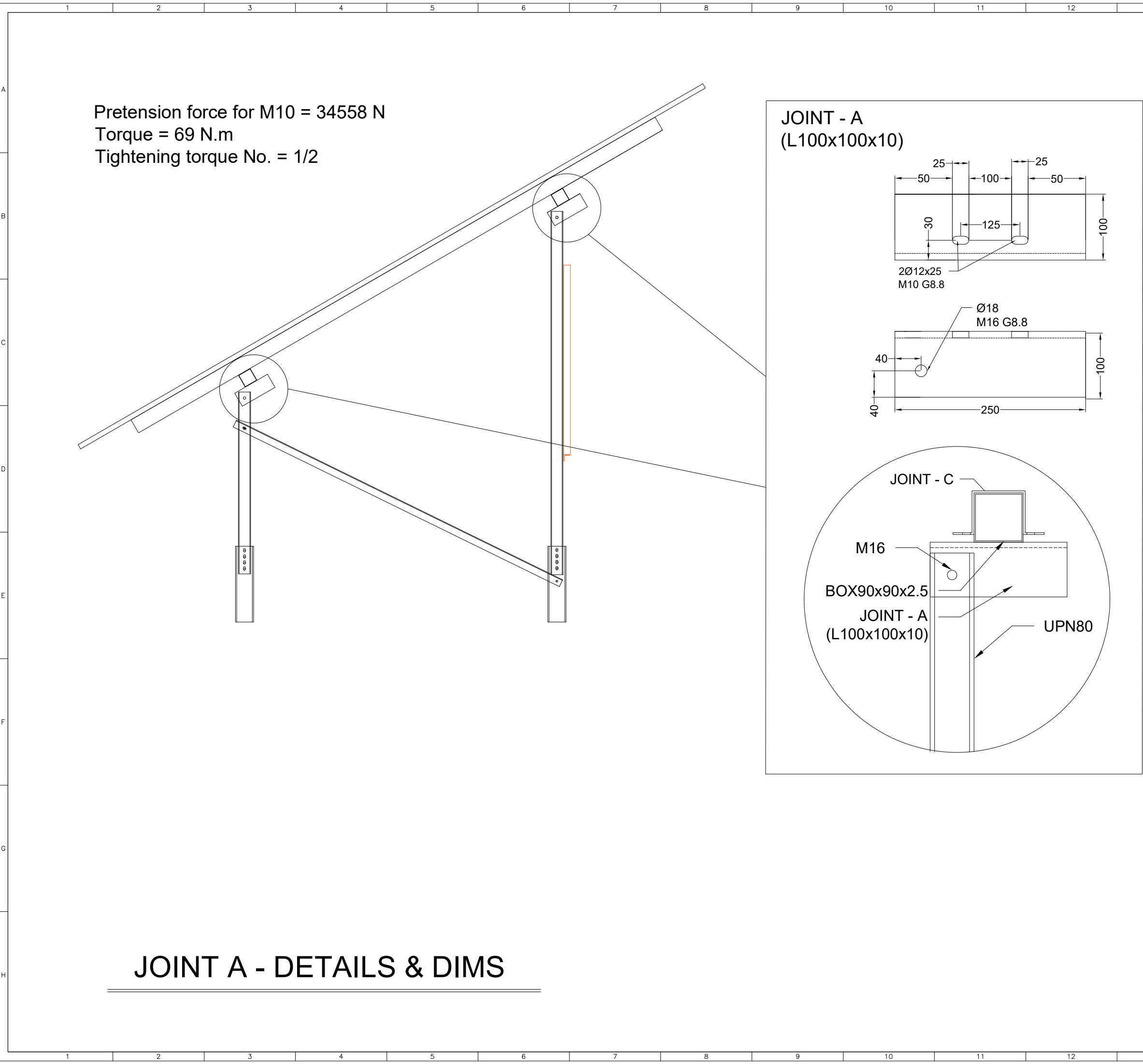
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E

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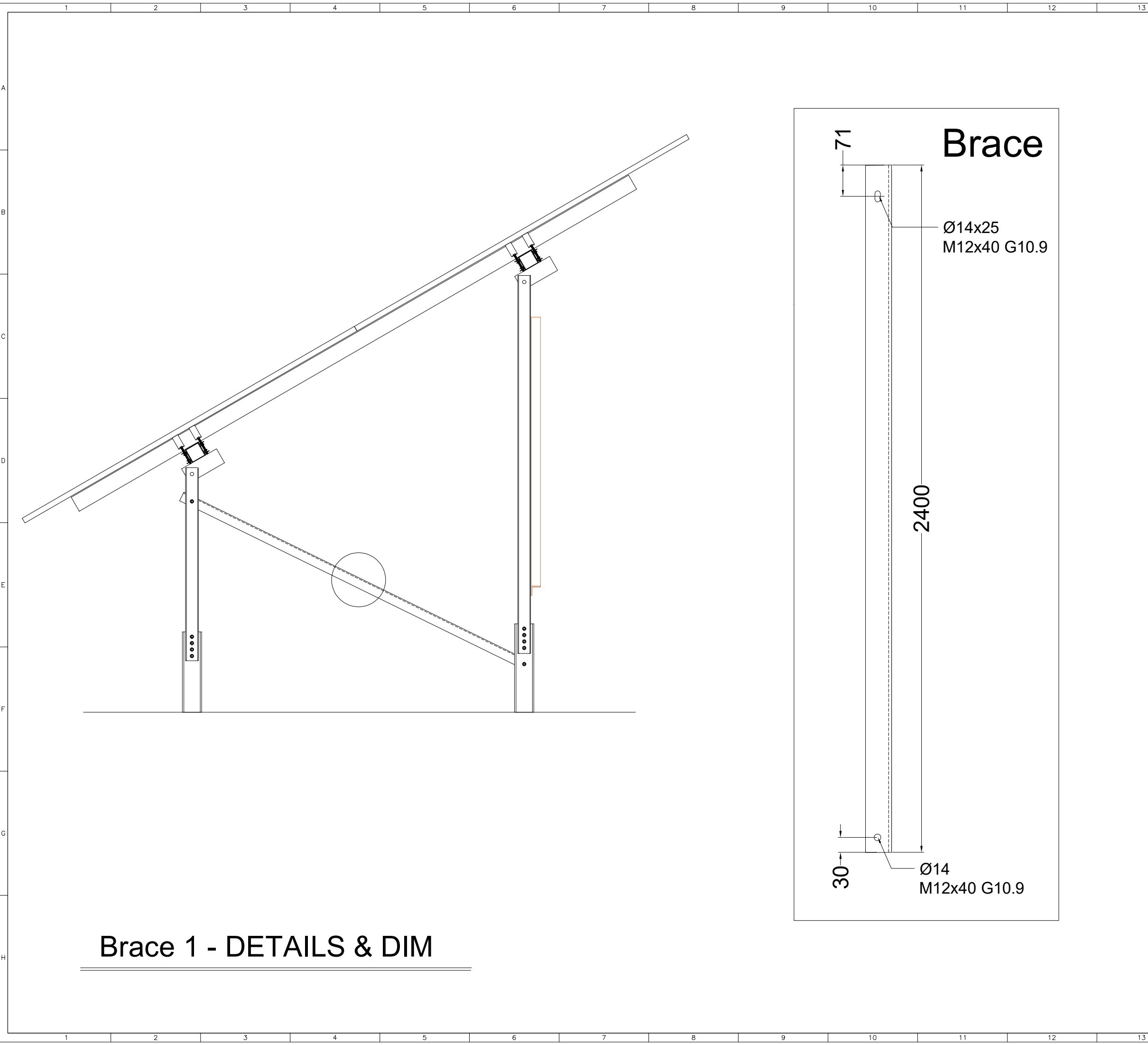
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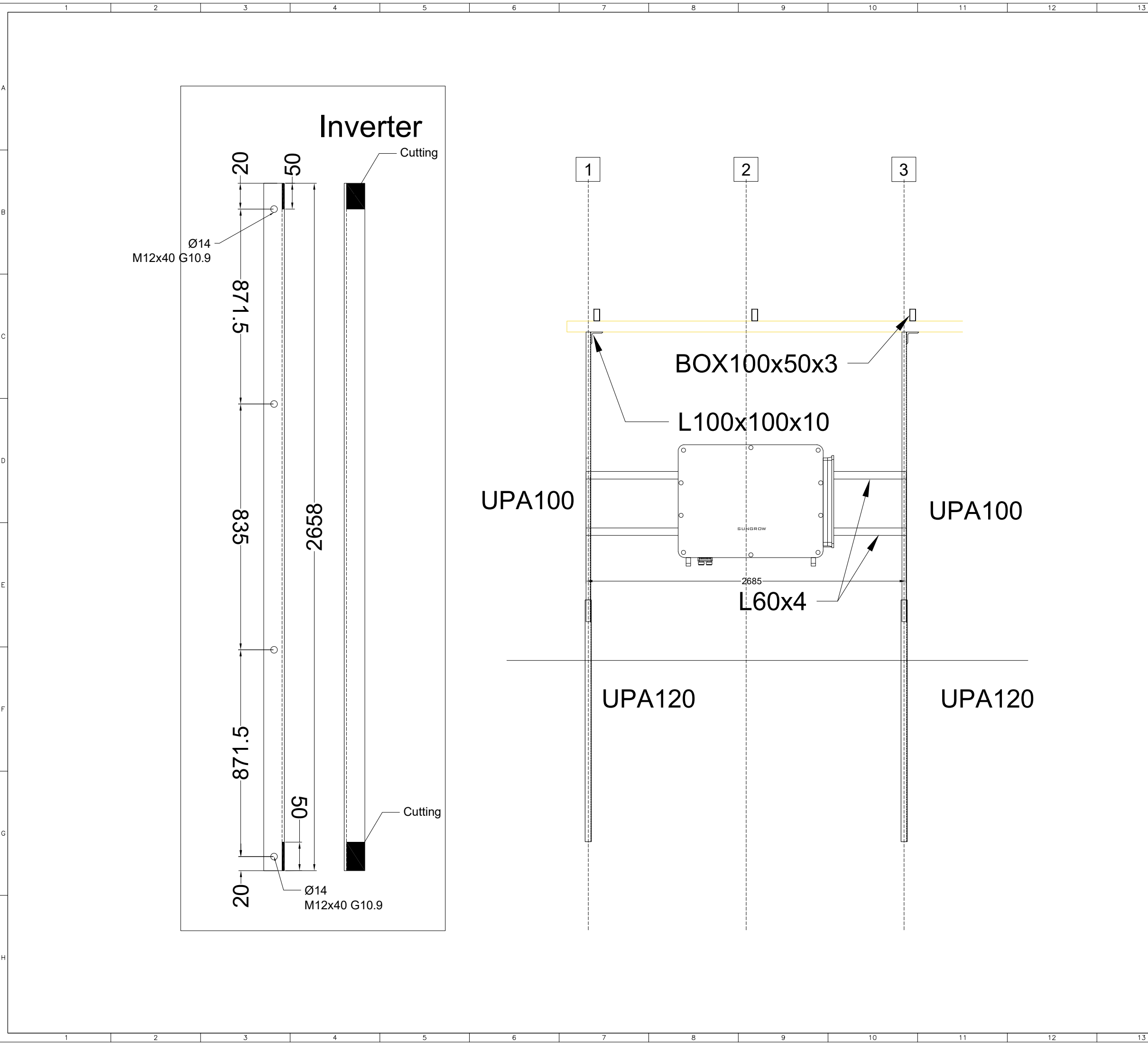


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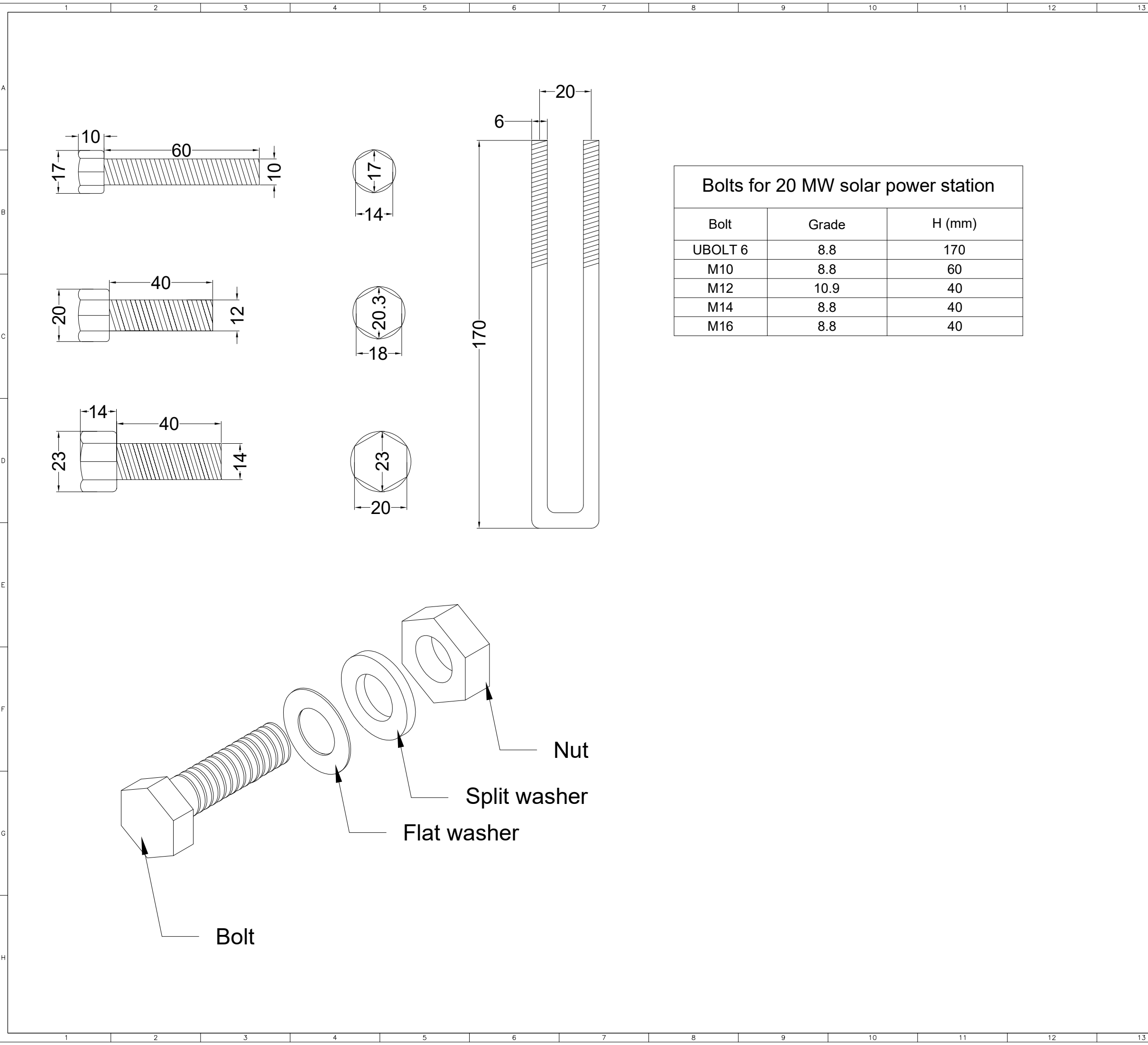
JOINT A - DETAILS & DIMS



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 IRAN KHODRO KHORASAN ایران خودرو خراسان				Contractor:  آگوش انرژی مهاباد Sub Contractor:			
Project: 10MW Solar Power Plant (IRAN KHODRO)							
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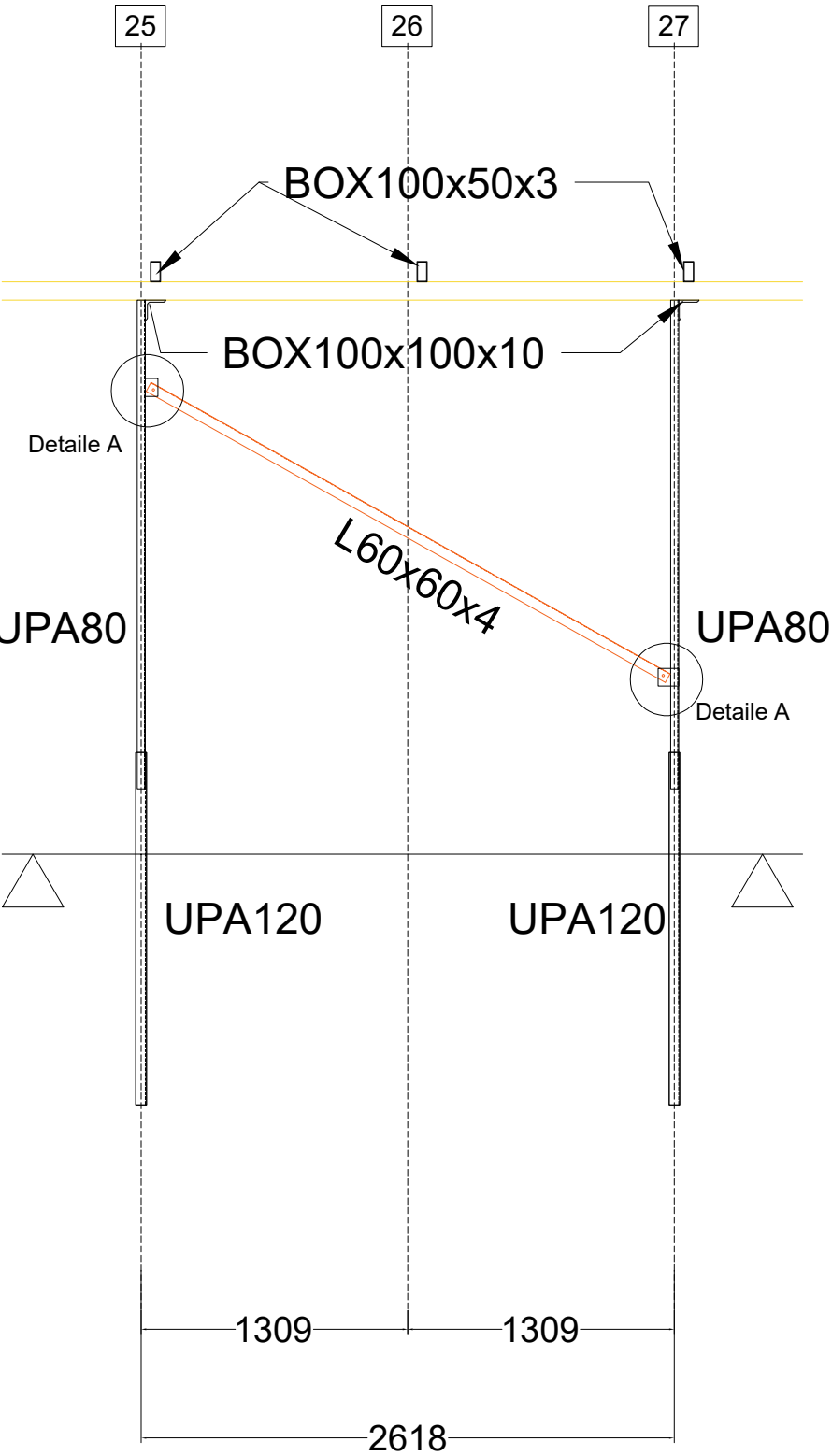
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SCALE		SIZE		SHEET		FORMAT	
FIT		A3		11 OF 18		DWG	
		14		15		16	



Bolts for 20 MW solar power station		
Bolt	Grade	H (mm)
UBOLT 6	8.8	170
M10	8.8	60
M12	10.9	40
M14	8.8	40
M16	8.8	40

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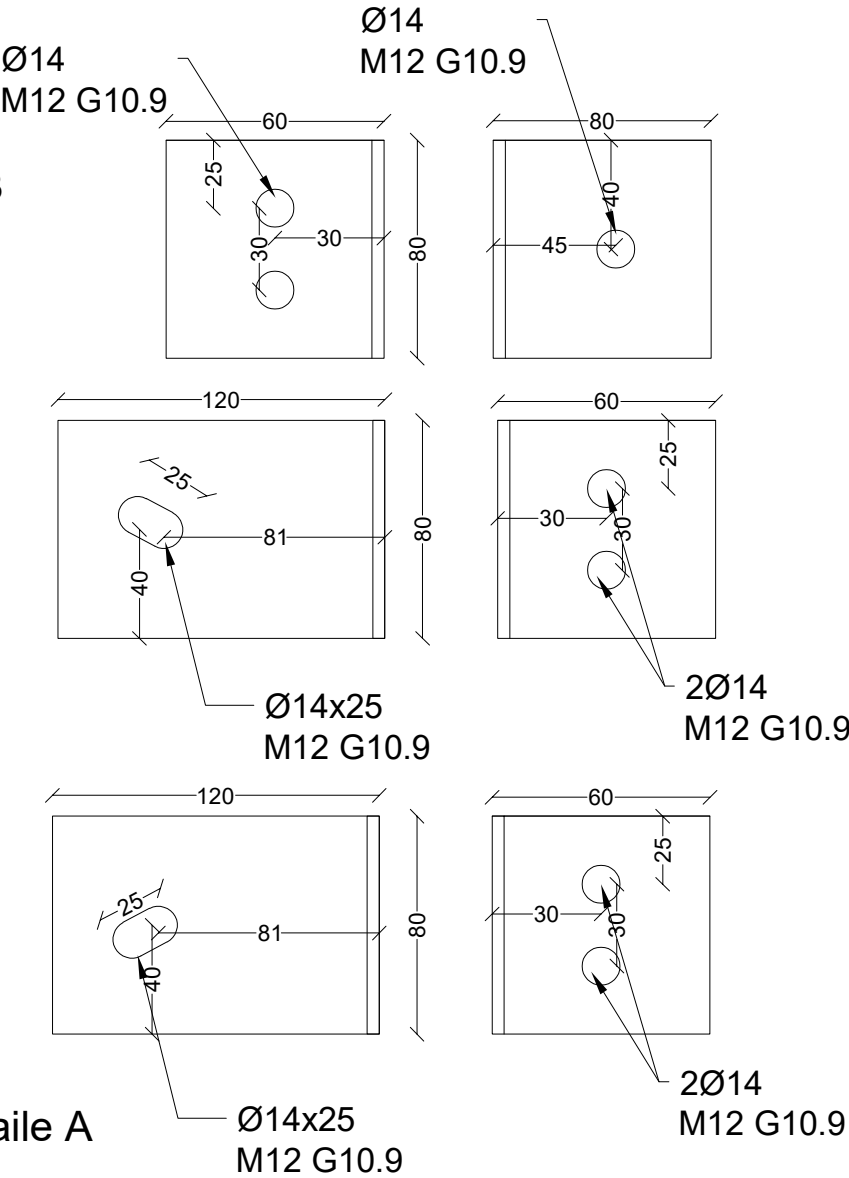
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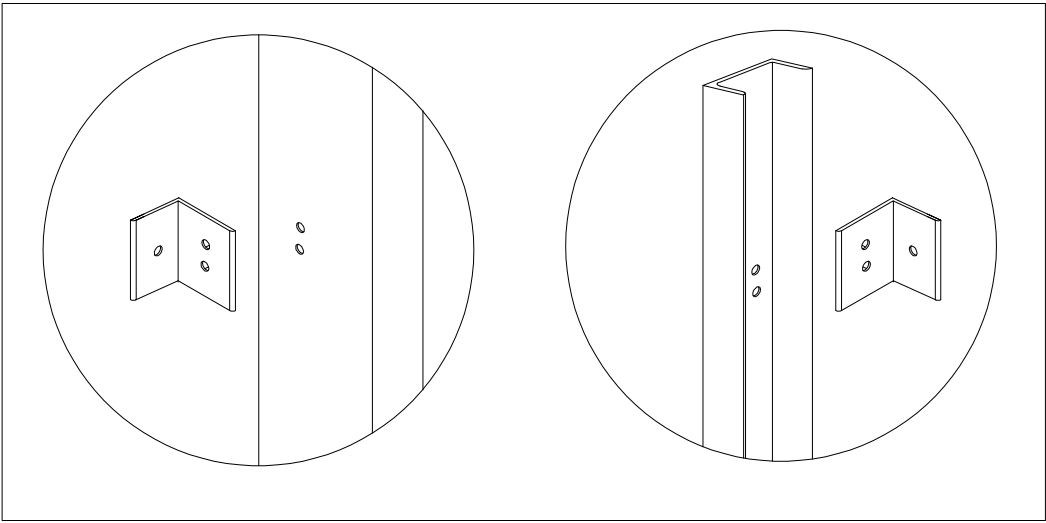
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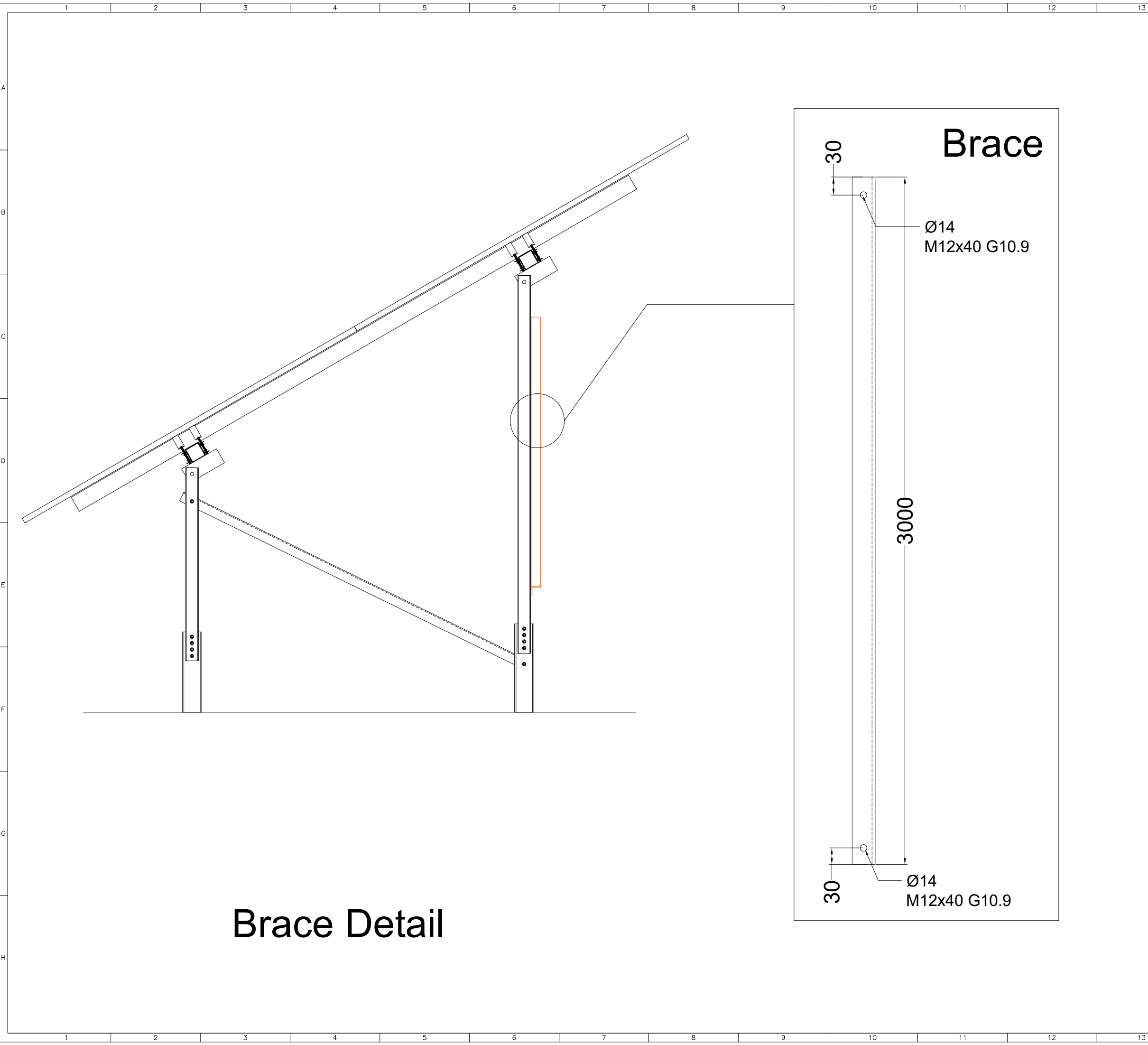
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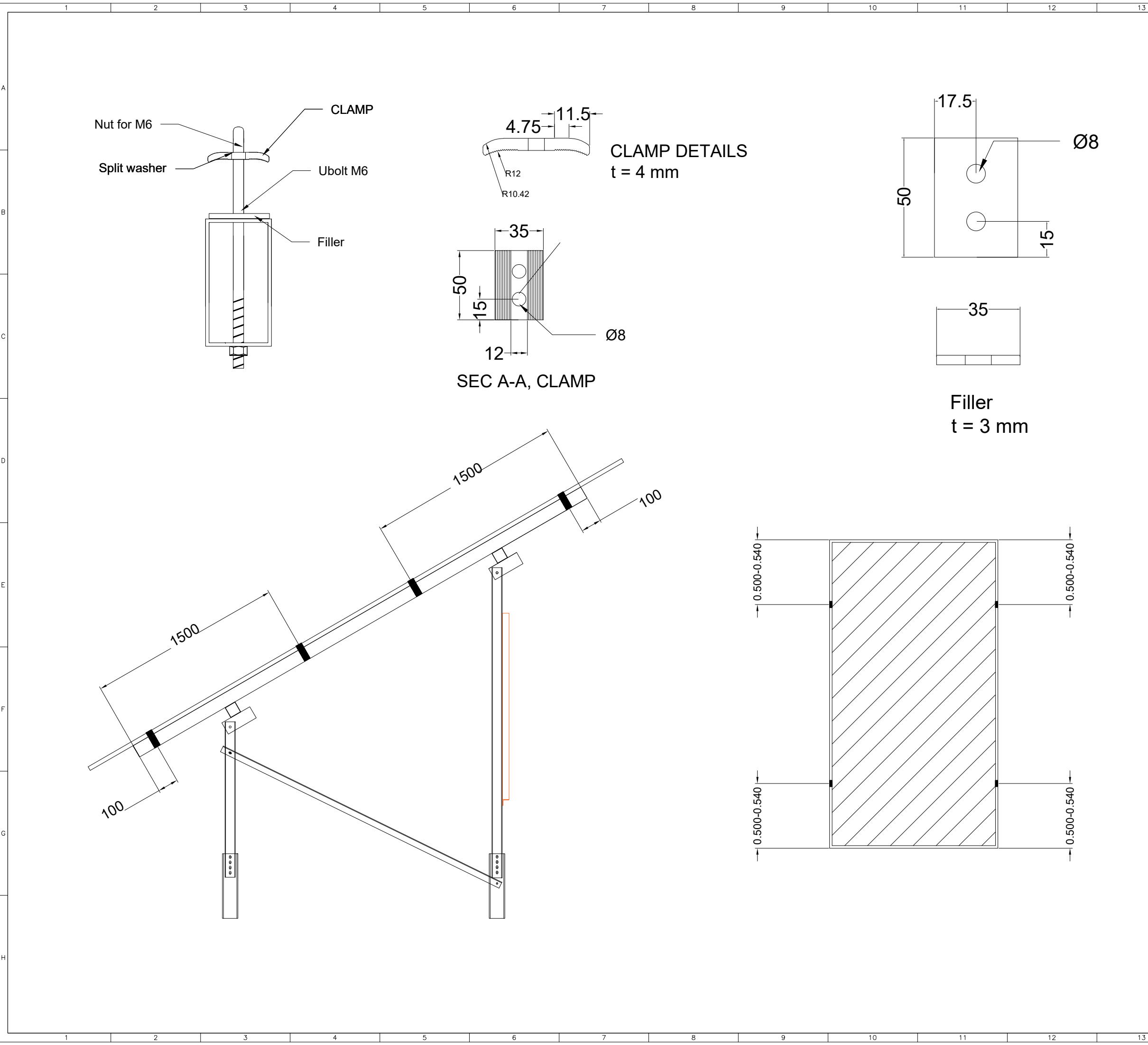
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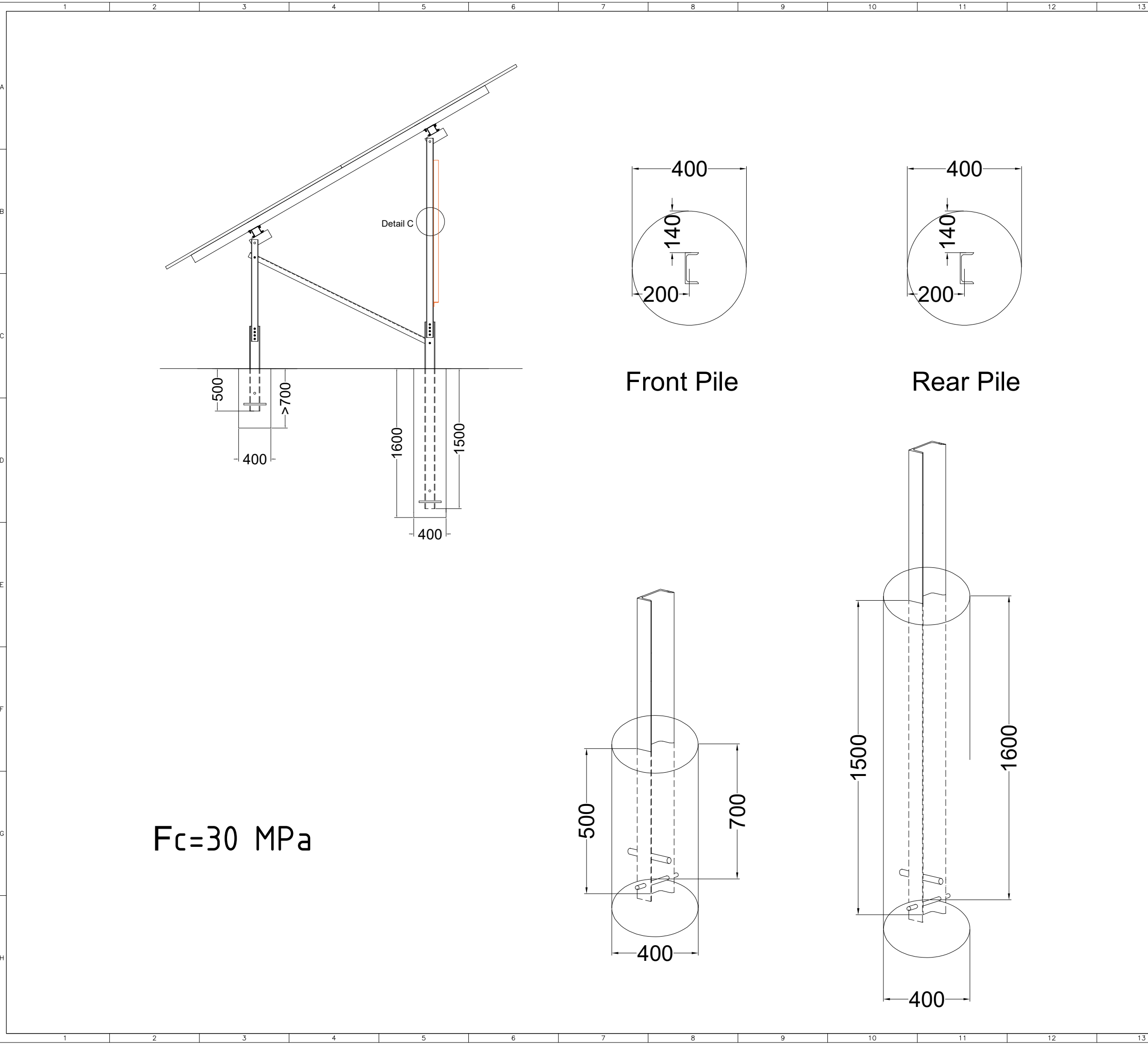
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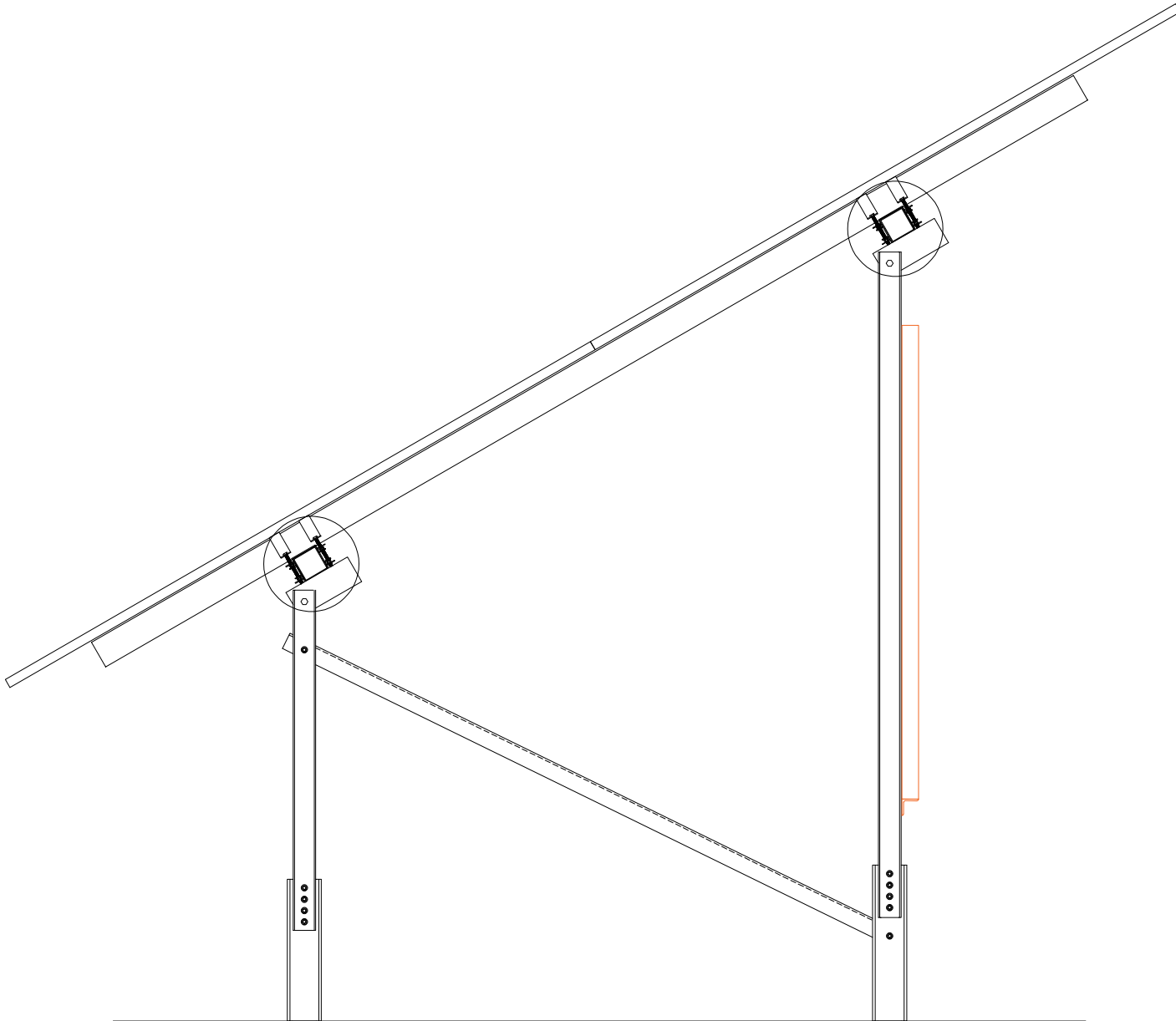


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02	09/19/2026	Issued for Approval	A. AHMADIAN	F. ESMAILZADEH	M. RAHMATINIA	M. HAGHANI	
01	07/29/2026	Issued for Approval	A. AHMADIAN	F. ESMAILZADEH	M. RAHMATINIA	M. HAGHANI	
00	06/21/2026	FIRST REVISION OF DRAWINGS	A. AHMADIAN	F. ESMAILZADEH	M. RAHMATINIA	M. HAGHANI	
REV.	DATE	DESCRIPTION	DESIGN	DRAWN	CHECKED	APPROVED	
Client:				Consultant:			
 IKK IRAN KHODRO KHORASAN ایران خودرو خراسان				 آگوشن انرژی مہام ذریق			
Project:				10MW Solar Power Plant (IRAN KHODRO)			
Title:				Structure Details Drawing			
DOC NO.:		MSG-IKKC0-ST-03				REV.	
						03	
SCALE		SIZE		SHEET		FORMAT	
FIT		A3		16 OF 18		DWG	
		14		15		16	

A horizontal line representing a 25,000-unit long structure is divided into five segments by four vertical lines. Above the line, dimension lines with arrows indicate the length of each segment: 6000, 6000, 3000, 6000, and 6000. Below the line, there are five empty rectangular boxes, each aligned with one of the segments.



NOTES

ALL DIMENSIONS ARE IN mm.

LEGEND

KEY PLAN

Client:  IKK IRAN KHODRO KHORASAN ایران خودرو خراسان	Consultant:
	Contractor:  Sub Contractor:
	آفرش انرژی مهاباد

Project: 10MW Solar Power Plant
(IRAN KHODRO)

Title: Structure Details Drawing

<i>DOC</i> <i>NO.:</i>	MSG-IKKCO-ST-03		<i>REV.</i>
			03
<i>SCALE</i>	<i>SIZE</i>	<i>SHEET</i>	<i>FORMAT</i>
FIT	A3	18 OF 18	DWG