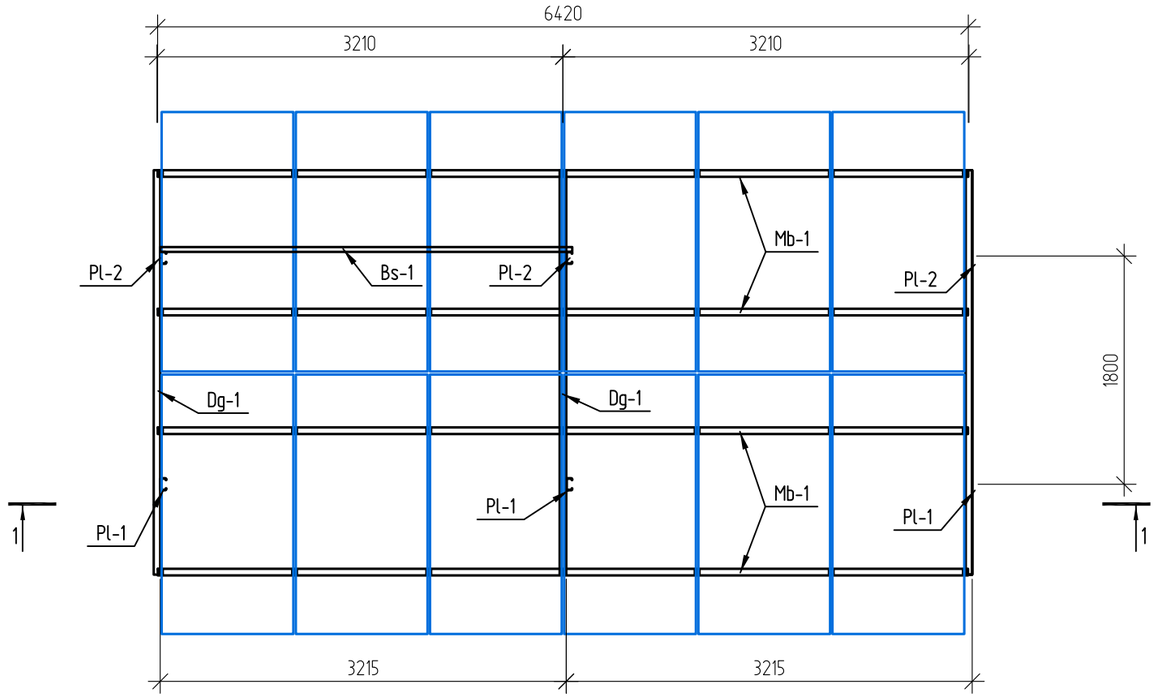
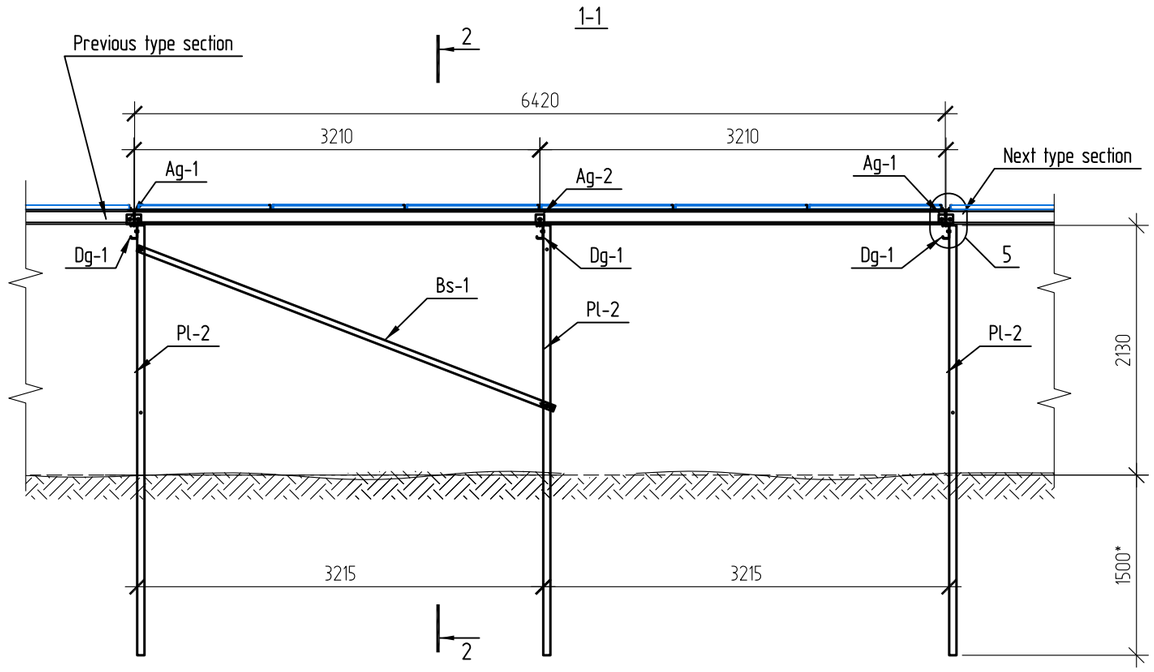
Mounting system SMS-212. The segment of the worktable from typical sections for 12 PV modules in the middle of the row



1-1



1. This sheet is considered with the document 2, 3.
2. Dimensions marked with "*" are spesified locally upon the completion of the work.

Change	Plots	Sheet	№ doc.	Signature	Data

Snow load 1,10 kPa, Wind load 0,36 kPa

Mounting system SMS-212 (144 cell)

Mounting system for PV modules

Stage	Sheet	Sheets
P	1	

Mounting system SMS-212.
Section for 12 PV modules

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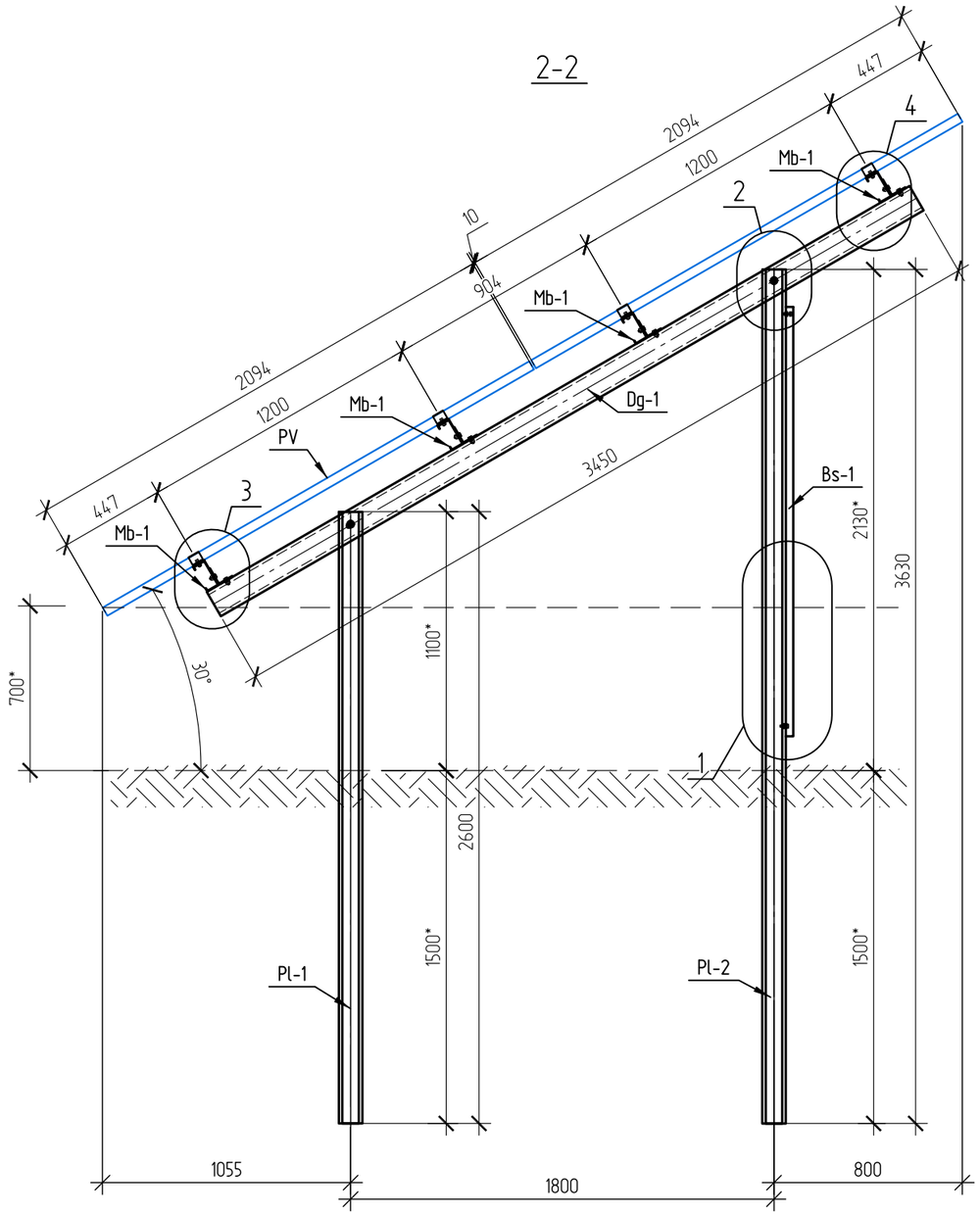

Elements specification of a typical table section for 12 PV modules

Item	Designation	Name	Q-ty	Weigt unit kg	Notes
Pl-1	Pile	C100x50x15x2,5	3		S355JR+hdg
Pl-2	Pile	C100x50x15x2,5	3		S355JR+hdg
Dg-1	Diagonal	C110x50x15x2,5	3		S350GD + Zn350
Bs-1	Back support	U40x25x2	1		S350GD + Zn350
Mb-1	Main beam	C110x50x15x2	4		S350GD + Zn350
Ag-1	Angle	L75x5	8		hdg
Ag-2	Angle	L75x5	4		hdg
	DIN 933	Bolt M12x30	40		Delta
	DIN 934	Nut M12	40		Delta
	DIN 125	Washer M12	80		Delta
	DIN 7980	Spring washer M12	40		Delta
	Clamp	End clamp	8		alum
	Clamp	Mid clamp	20		alum
	Plate	Plate 60x60x3	28		alum
	DIN 933	Bolt M8x30	28		A2-70
	DIN 934	Nut M8	28		Delta
	DIN 125	Washer M8	28		Delta
	DIN 7980	Spring washer M8	28		Delta

Tolerance within a table.

1. Arrange racks-piles in accordance with the terrain
2. The difference in the level of the ground surface is ±200 mm, at that the difference in the level of the top of the piles within one guide beam is ±20 mm.
3. The inclination of the piles from the vertical axis is ±3° in any direction, at that displacement of the top of the piles from the vertical axis in the longitudinal direction is ±20 mm, in the transverse direction is ±20 mm.
4. The distance in the longitudinal direction between neighboring piles is ±20 mm, at that the distance between the first and last piles within one guide beam is ±20 mm.
5. PV module angle of inclination is 30° ±1°
6. Distance from the PV module bottom edge to the ground surface level is 700±100 mm.

Insted tag №

Signature and date

Tag № orig

Change	Plots	Sheet	№ doc.	Signature	Data

Snow load 1,10 kPa, Wind load 0,36 kPa

Mounting system SMS-212 (144 cell)

Mounting system for PV modules

Stage	Sheet	Sheets
P	2	

Profile 2-2. Specification

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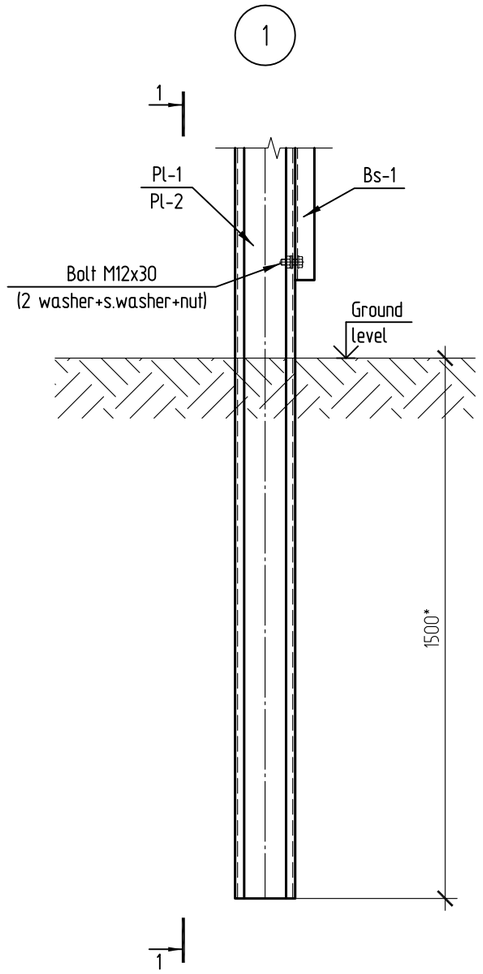
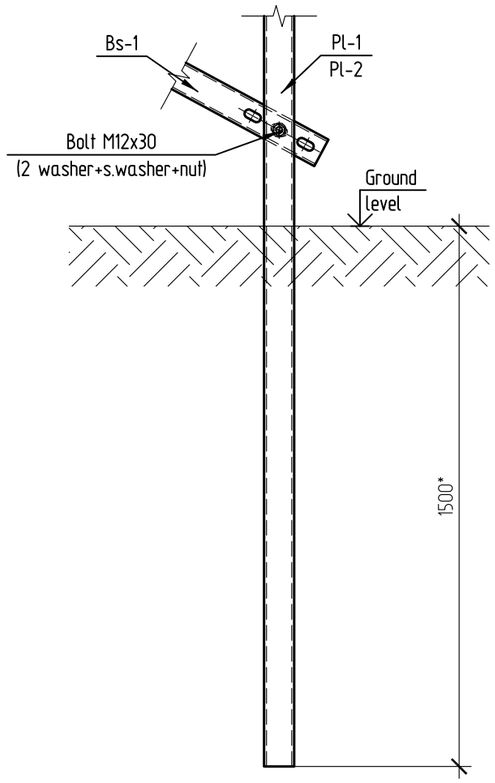
1



1-1



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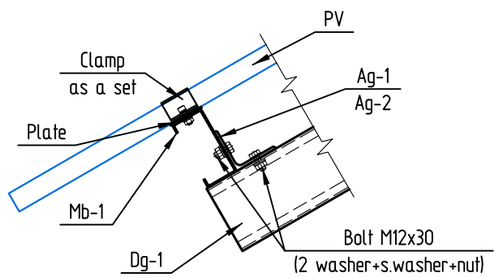

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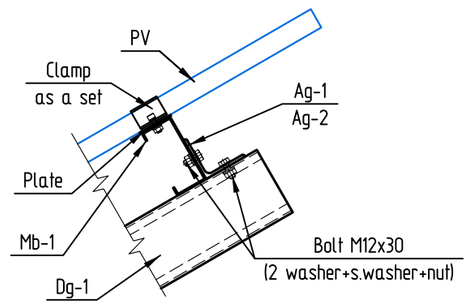
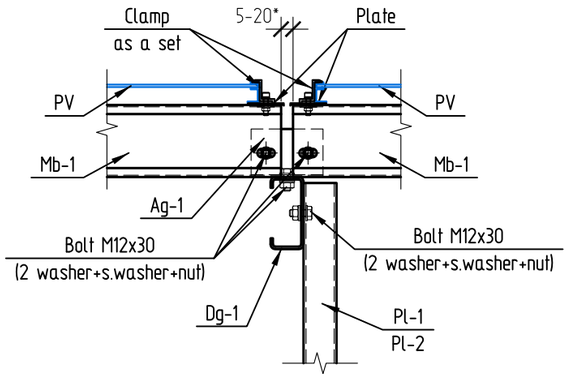


5



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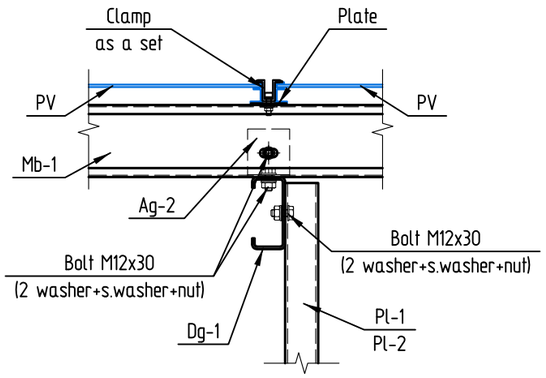
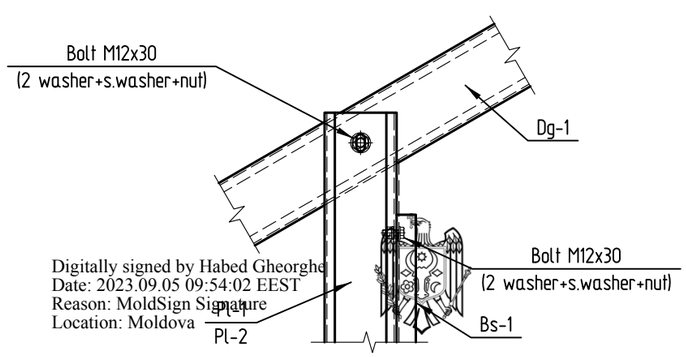


2



1. This sheet is considered with the document 1, 3.
2. Bolt torque M12 min 44 Nm - max 56 Nm.
3. Bolt torque M8 on clamps min 8 Nm - max 14 Nm.
4. Dimensions marked with "*" are spesified locally upon the completion of the work.

Insted tag №

Signature and date

Tag № orig

Change	Plots	Sheet	№ doc.	Signature	Data

Snow load 1,10 kPa, Wind load 0,36 kPa

Mounting system SMS-212 (144 cell)

Mounting system for PV modules

Stage	Sheet	Sheets
P	3	

Units 1-6

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