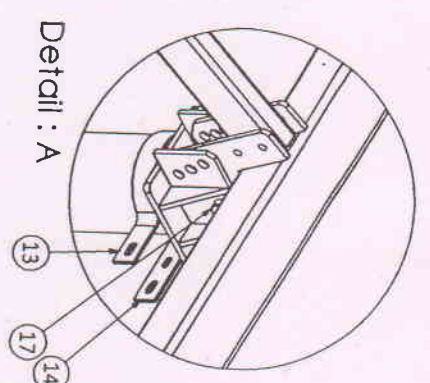
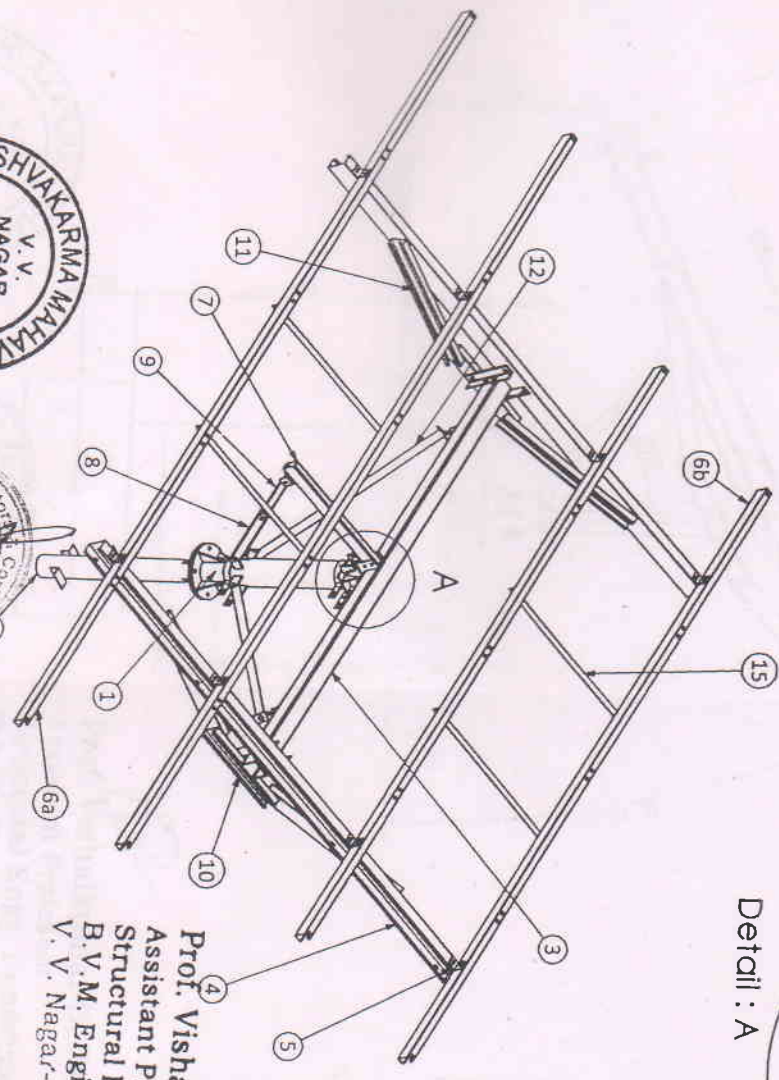




Detail : A



Sr. nos.	Descriptions	Qty.
1	Main column	1
2	Bottom column	1
3	Center beam assly.	1
4	Rafter	2
5	Purlin cilt	8
6a	Purlin-front	2
6b	Purlin-rear	2
7	North south brancing	1
8	Front tilt support bottom	1
9	Front tilt support top	1
10	Rafter bracing holder	2
11	Rafter bracing	4
12	Bracing center beam	2
13	Controller clamp- rear	2
14	Controller clamp- front	2
15	Sag angle	4
16	Rubber pad	1
17	Center pin	1

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B.V.M. Engineering College
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[Signature]

PART NO.

TITLE 9 nos. Module mounting structure

SCALE 1:50

DRG NO.

SMP-SM-1216

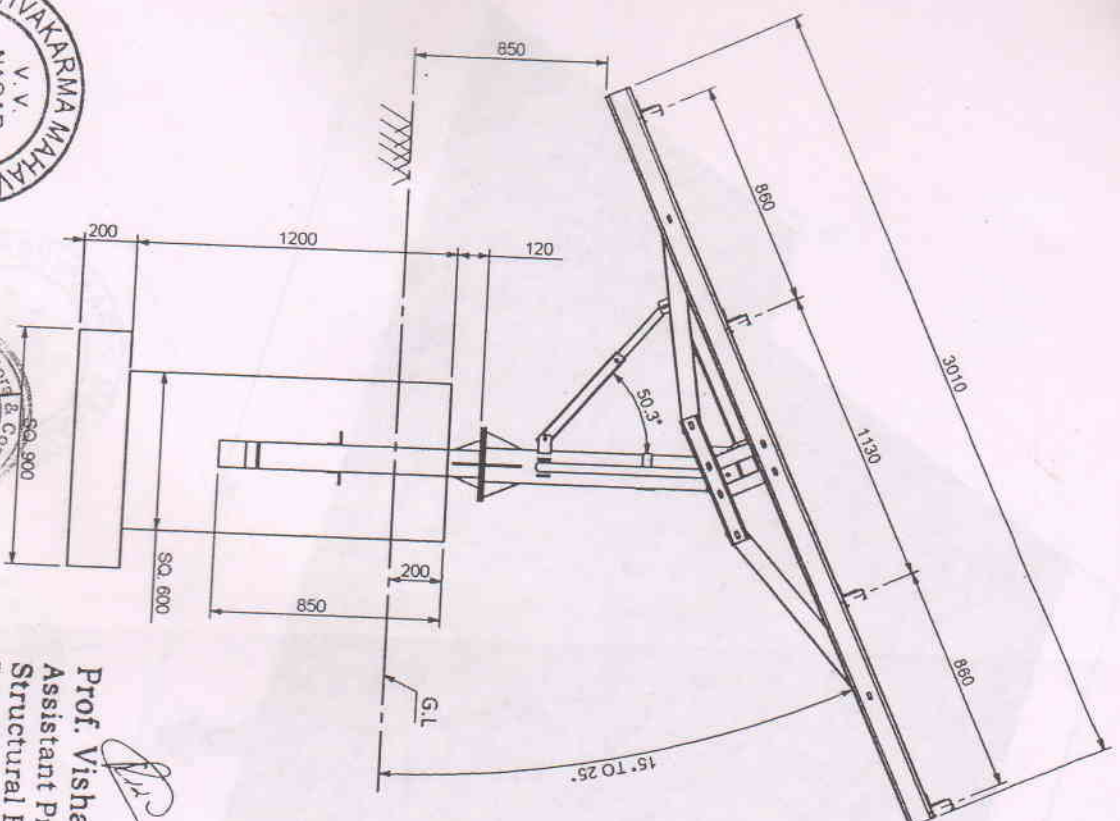
(Sheet 1 of 17)

SUPERSEDES NO.

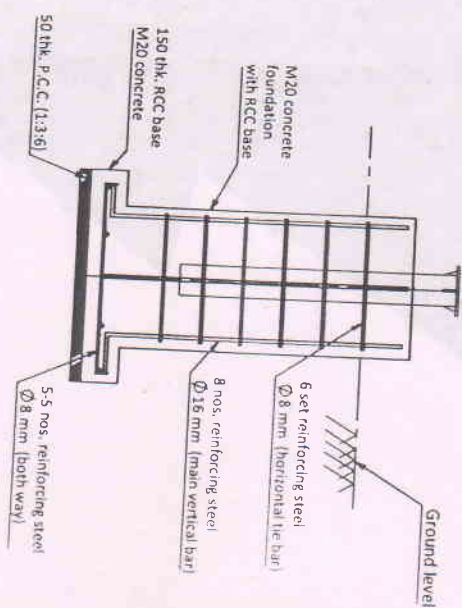



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 V.V. Nagar



Foundation Detail



PART NO.

TITLE 9 nos. Module mounting structure

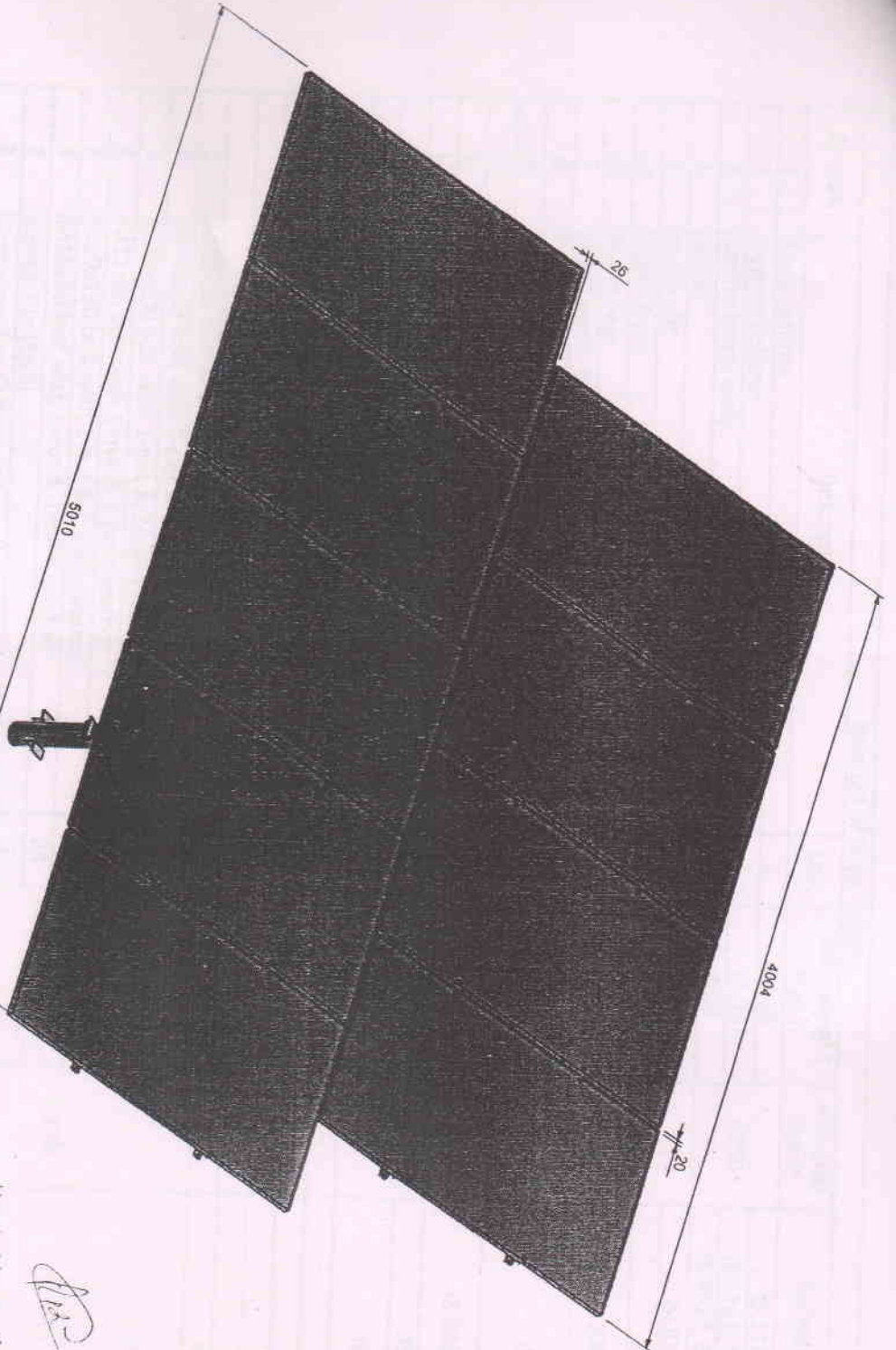
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CHD BY	Faiz	-			
APPD BY	D.R.P.	-			

SUPERSEDES NO.:

SMP-SM-1216
(Sheet 2 of 17)



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B.V.M. Engineering College,
Anand - 388120



PART NO. -

TITLE 9 nos. Module mounting structure

DRN BY Faiz

07.02.20

SCALE 1:100

DRG. NO.

CHD BY Faiz

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APPD BY D.R.P.

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SMP-SM-1216

(Sheet 3 of 17)

SUPERSEDES NO.:

Item list of gnos. MMS

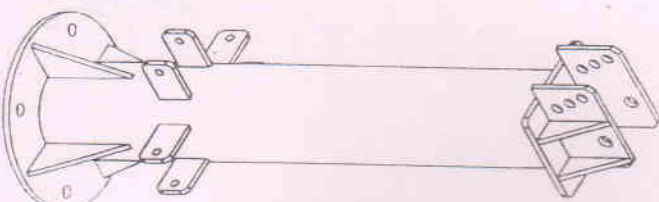
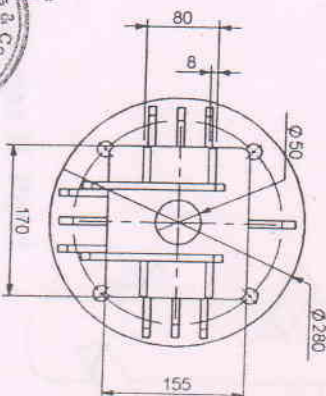
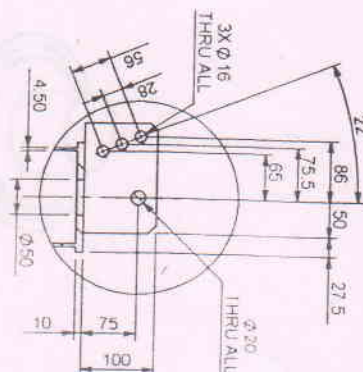
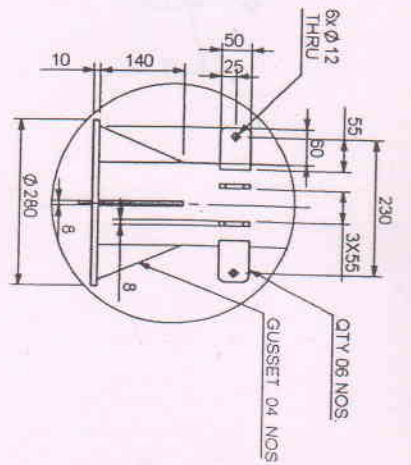
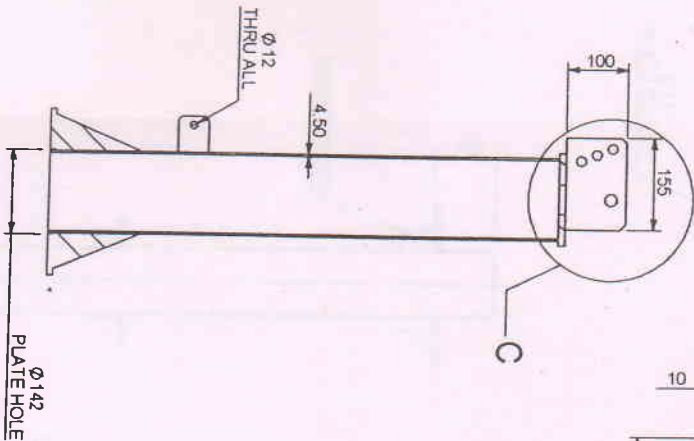
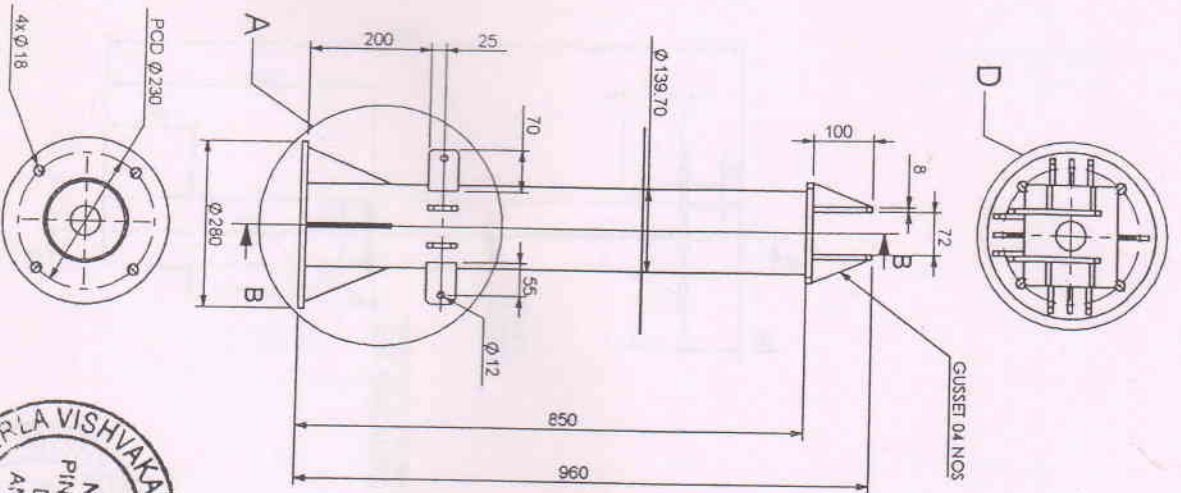
Sr. nos.	Descriptions	Qty.	Total weight (kgs.)	Material Grade	Reference standards
1	Main column	1	24.39	E250	IS:1161 & IS 2062
2	Bottom column	1	17.36		IS:1161, IS 2062 & IS:808
3	Center beam assly.	1	40.9		IS:4923, IS:2062 & IS:808
4	Rafter	2	37.5	E350	IS:2062 & IS:811
5	Purlin clt	8	2.16		IS:2062
6a	Purlin-front	2	25.65		IS:2062 & IS:811
6b	Purlin-rear	2	20.53	E250	IS:4923
7	North south branching	1	3.52		
8	Front tilt support bottom	1	1.83		
9	Front tilt support top	1	1.31	E350	IS:2062 & IS:811
10	Rafter bracing holder	2	4.61		
11	Rafter bracing	4	15.55		
12	Bracing center beam	2	5.69	E250	IS:1161
13	Controller clamp- rear	2	1.00		
14	Controller clamp- front	2	0.88		
15	Sag angle	4	5.76	---	---
16	Rubber pad	1	---	---	---
17	Center pin	1	---	---	---
Approx. total weight.			208.7		
Galvanizing - 7 %			14.61		IS 4759
1	M16x60 bolt with 1-nut & 2-palin washer	4	7.5	8.8 GI	IS : 1364
2	M12x15 bolt with 1-nut & 2-palin washer	1			
3	M10x100 bolt with 1-nut & 2-palin washer	13			
4	M12x35 bolt with 1-nut & 2-palin washer	16			
5	M10x130 bolt with 1-nut & 2-palin washer	4			
6	M10x30 bolt with 1-nut & 2-palin washer	24			
7	Center Pin (EN9)	1	230.81	---	---
8	Cotter pin for Ø 8mmx50 long	1			
9	M6X25 Anti theft nut bolt, SS-304 (HeadOD Ø 15 mm)	36			
Approx. total weight of the structure			230.81		



For V. Vishvakarma B. Patel
 Assistant Professor
 Structural Engg. Department
 B. V. Engineering College,
 Anand - 388120

PART NO.		TITLE	
-		9 nos. Module mounting structure	
DRN BY	Falz	07.02.20	SCALE
CHD BY	Falz	-	1:100
APPD BY	D.R.P.	-	DRG NO.
		SMP-SM-1216 (Sheet 4 of 17)	
		SUPERSEDES NO. :	

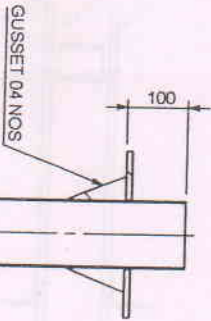
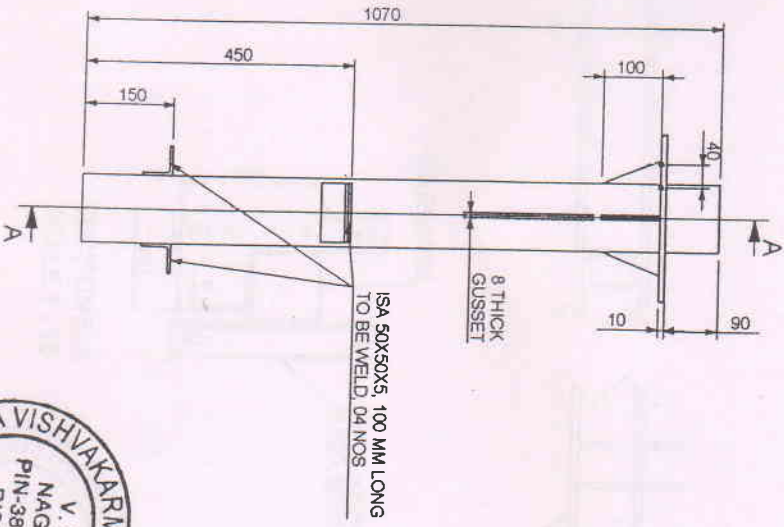
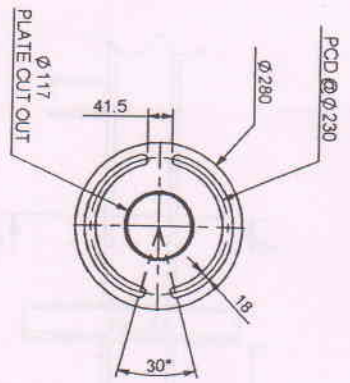
1) Main column



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B.V.M. Engineering College
V.V. Nagar-388120

PART NO.		TITLE	
APPD BY	D.R.P.	9 nos. Module mounting structure	DRG. NO.
CHD BY	Faiz	07.02.20	SCALE
DRN BY	Faiz	1:100	DRG. NO.
SUPERSEDES NO.		SMP-SM-1216	
		(Sheet 5 of 17)	

2) Bottom column

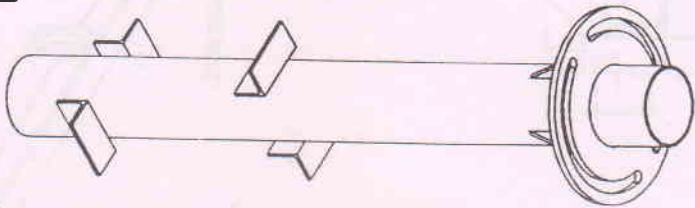


SECTION A-A
SCALE 1 : 12

Signature

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V. Nagar-388120

Signature



PART NO.

TITLE 9 nos. Module mounting structure

DRN BY

Faiz

07.02.20

SCALE 1:100

DRG. NO.

CHD BY

Faiz

-

-

SMP-SM-1216

APPD BY

D.R.P.

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(Sheet 6 of 17)

6

SUPERSEDES NO.:

1

2

4

5

6

2

3

4

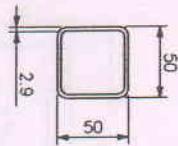
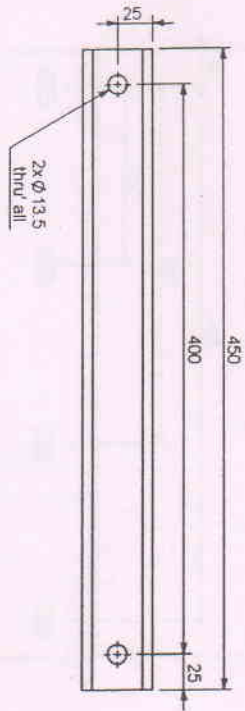
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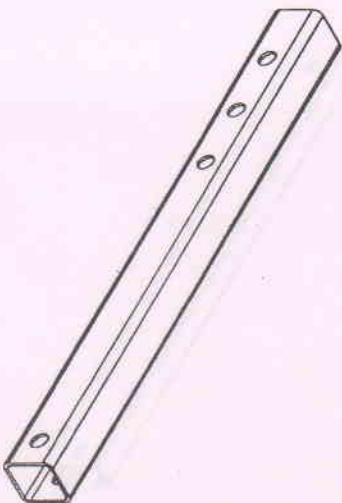
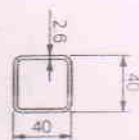
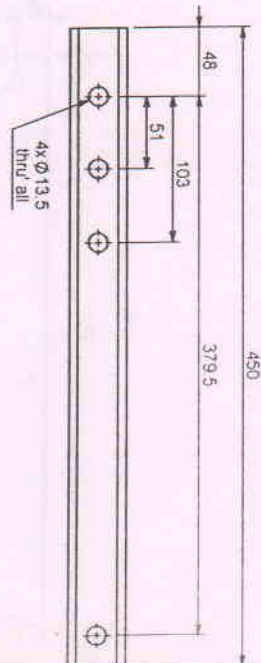
7

8

8) Front tilt Support bottom



9) Front tilt Support top



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Struct.
B.V.J.
V.V.

[Signature]



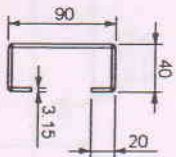
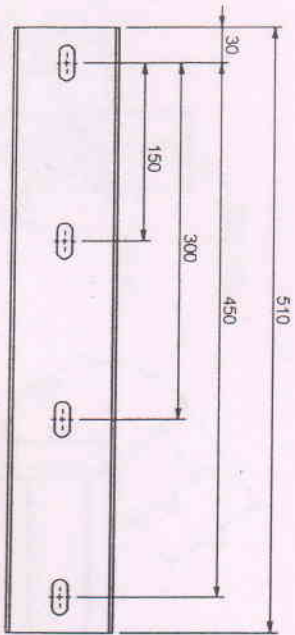
[Signature]

PART NO.		TITLE	
-		9 nos. Module mounting structure	
DRN BY	Faiz	07.02.20	SCALE
CHD BY	Faiz	-	1:5
APPD BY	D.R.P.	-	

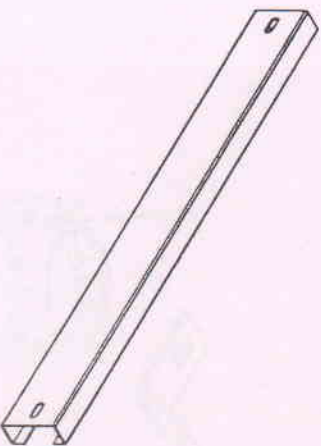
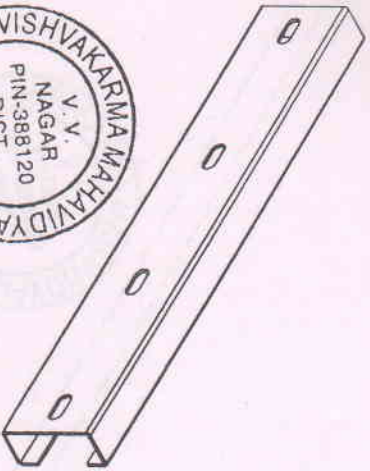
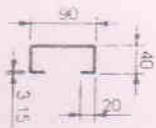
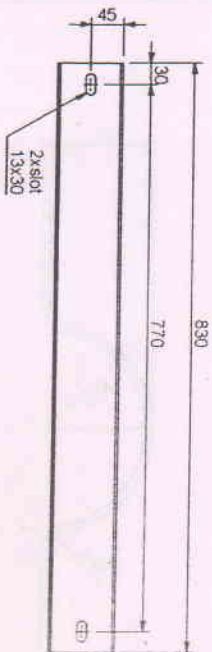
DRG NO.
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SUPERSEDES NO.:

10) Rafter bracing holder



11) Rafter bracing



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PART NO.

TITLE 9 nos. Module mounting structure

DRN BY	Faiz
CHD BY	Faiz
APPD BY	D.R.P.

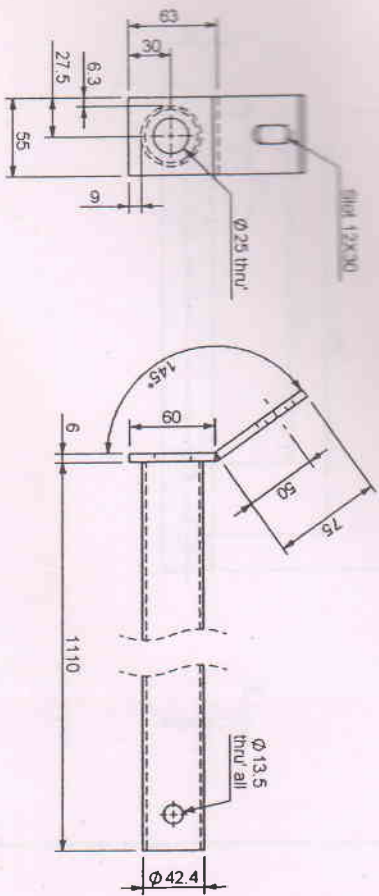
07.02.20 SCALE 1:10

DRG. NO.

SMP-SM-1216
(Sheet 14 of 17)

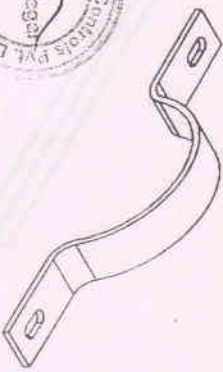
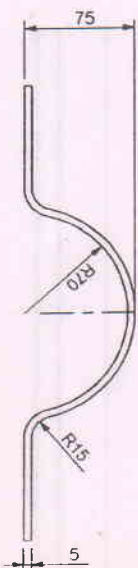
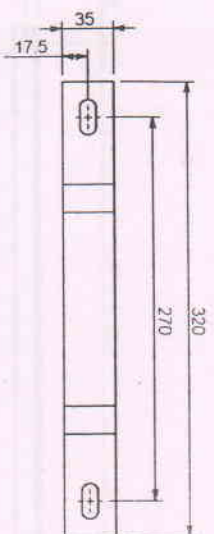
SUPERSEDES NO.

12) Bracing center beam



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13) Controller clamp - rear



PART NO.

TITLE 9 nos. Module mounting structure

DRN BY

Faiz

07.02.20

SCALE

1:10

DRG NO

SMP-SM-1216

CHD BY

Faiz

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(Sheet 15 of 17)

APPD BY

D.R.P.

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6

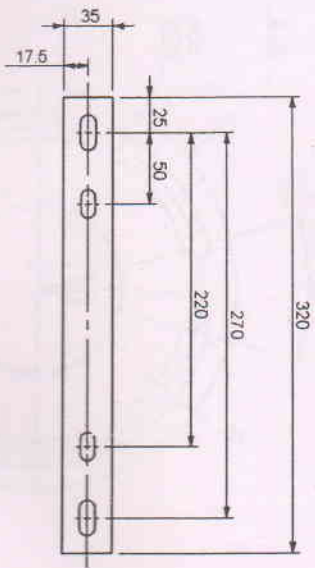
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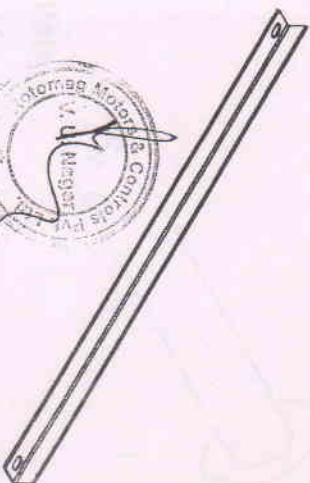
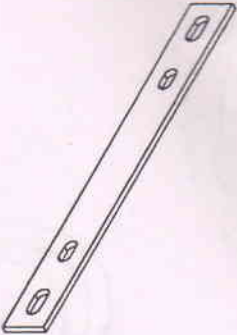
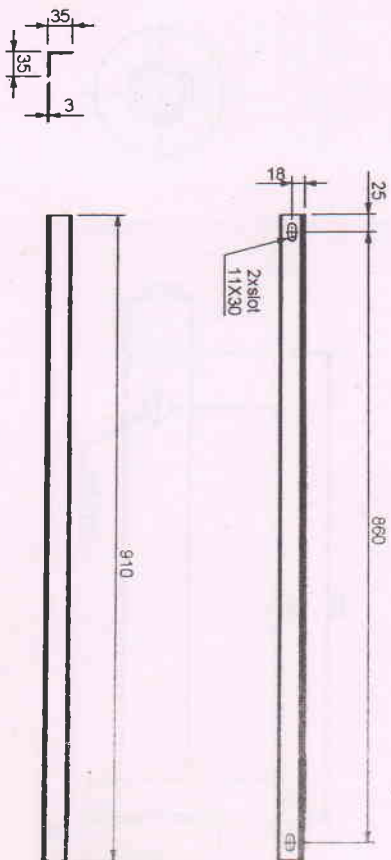
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14) Controller clamp - Front



15) Sag angle



Signature

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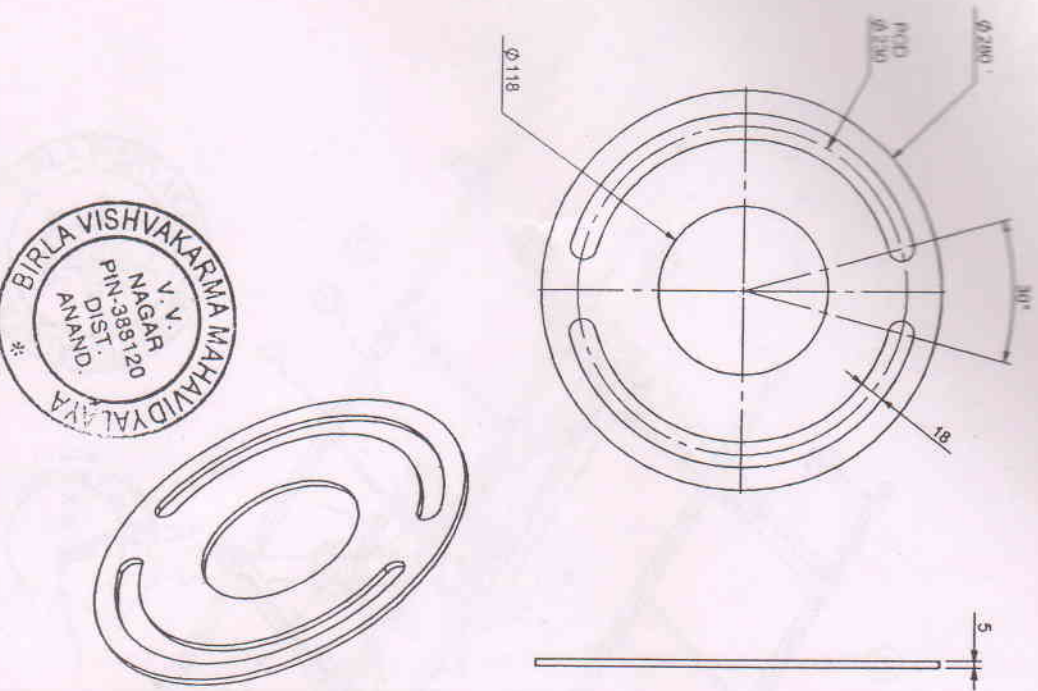
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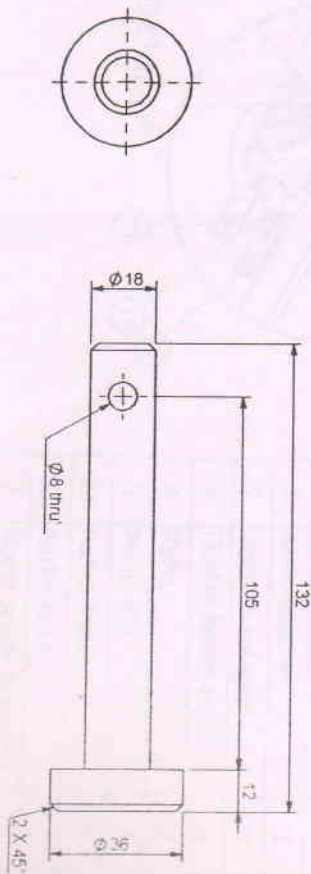
PART NO.		TITLE	
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CHD BY Faiz		07.02.20	
APPD BY D.R.P.		SCALE 1:2	
		DRG. NO. SMP-SM-1216	
		(Sheet 15 of 17)	

SUPERSEDES NO. :

16) Rubber pad



17) Center pin



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Structural Engg. Department
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PIN-388120

[Signature]

PART NO.

TITLE 9 nos. Module mounting structure

DRN BY Faiz
CHD BY Faiz
APPD BY D.R.P.

07.02.20

SCALE 1:5

DRG. NO.

SMP-SM-1216

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SUPERSEDES NO.