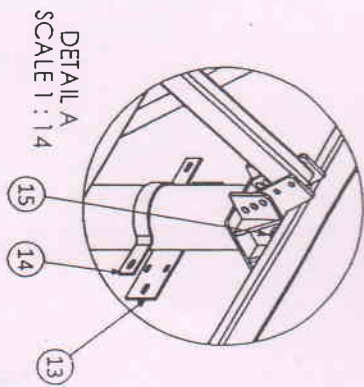
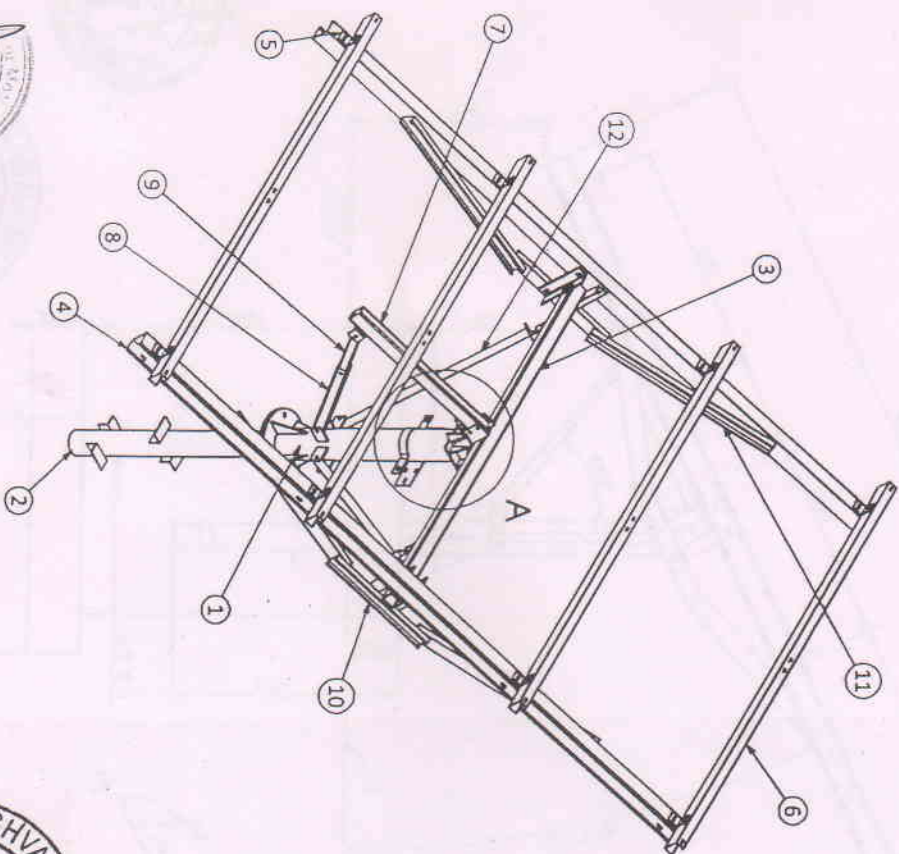


4MMMS Structure drawing



Sr. nos.	Descriptions	Qty.
1	Main column	1
2	Bottom column	1
3	Center beam assly.	1
4	Rafter	2
5	Purlin clt	8
6	Purlin	4
7	North south branching	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	Rubber pad	1
16	Center pin	1

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Notes : 1) MS HD Galvanizing according to IS 4759
for all parts, wherever applicable.
2) All dimensions are in mm.

PART NO.

TITLE 4 nos. Module mounting structure

DRN BY Faiz

07.02.20 SCALE

DRG. NO.

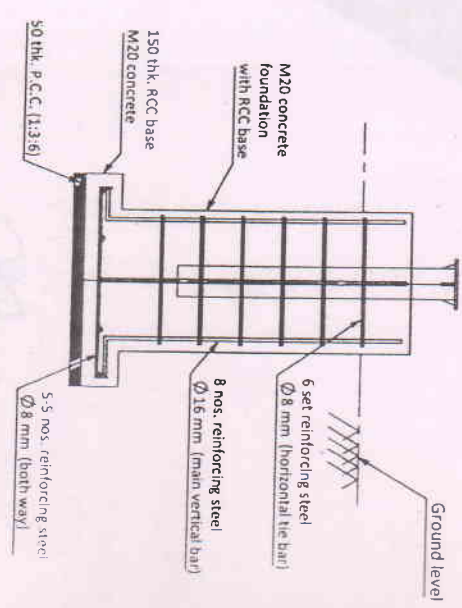
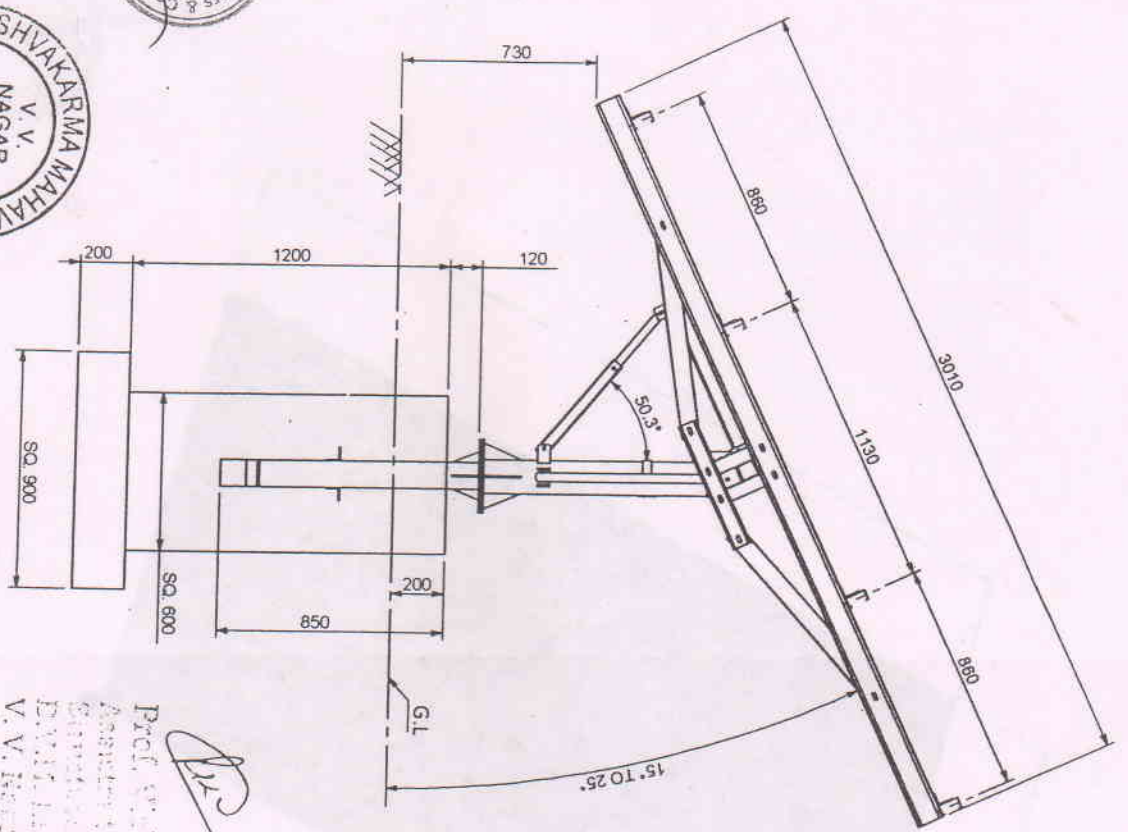
CHD BY Faiz

1:50

SMP-SM-1220 (Sheet 1 of 16)

APPD BY D.R.P.

SUPERSEDES NO.



Foundation Detail



Prof. Dr. B. Patel
 Assistant Professor
 Department
 V.V. Nagar College,
 V.V. Nagar, Anand, Gujarat

PART NO.

TITLE 4 nos. Module mounting structure

DRN BY Faiz

CHD BY Faiz

APPD BY D.R.P.

SCALE 1:100

DRG. NO.

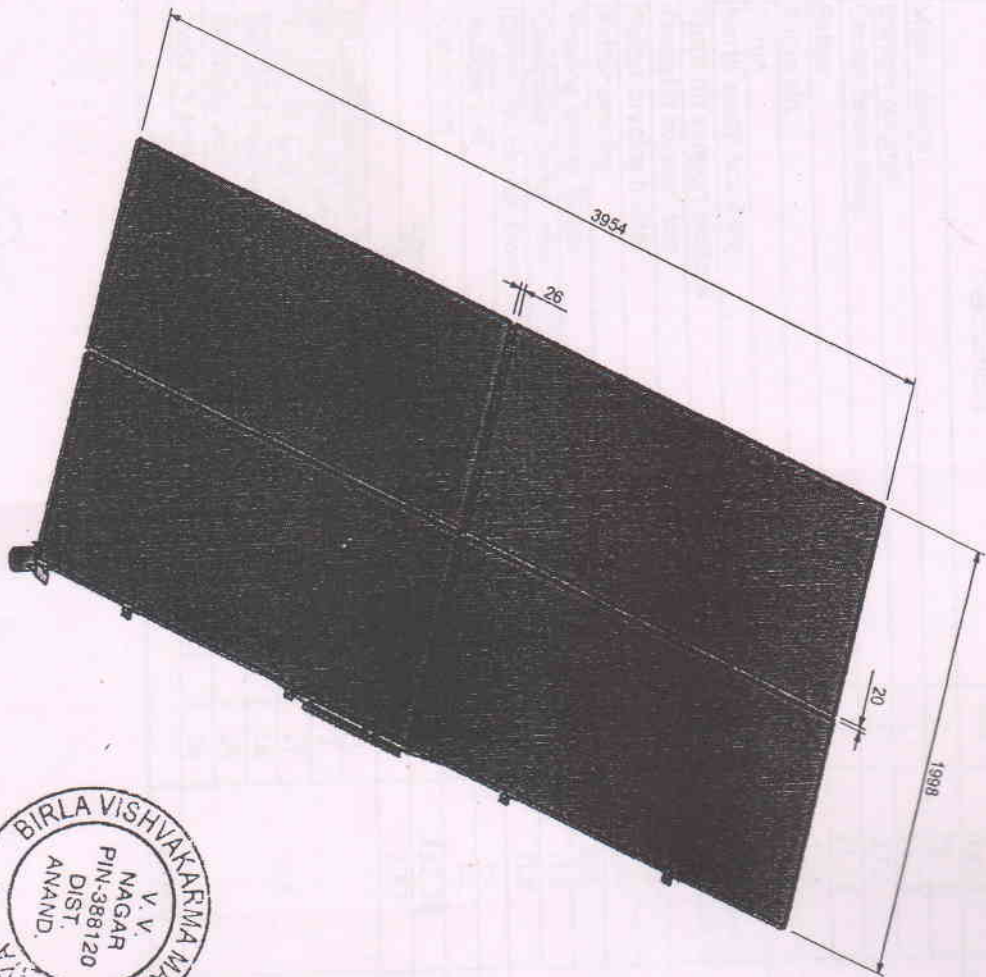
SMP-SM-1220

(Sheet 2 of 16)

SUPERSEDES NO.:



[Signature]
Prof. Dr. D. Patel
Assistant Professor
Department
B.V. College,
V.V. Nagar, Anand



PART NO.	TITLE 4 nos. Module mounting structure			
DRN BY	Faiz	07.02.20	SCALE	1:50
CHD BY	Faiz	-		
APPD BY	D.R.P.	-		
SUPERSEDES NO.				DRG. NO. SMP-SM-1220 (Sheet 3 of 16)

Item list of 4nos. MMS				
Sr. nos.	Descriptions	Qty.	Total weight (kgs.)	Material Grade
1	Main column	1	21.71	IS:1161 & IS 2062
2	Bottom column	1	15.23	IS:1161, IS 2062 & IS:808
3	Center beam assly.	1	17.2	IS:4923, IS:2062 & IS:808
4	Rafter	2	21.96	IS:2062 & IS:811
5	Purlin cilt	8	1.15	IS:2062
6	Purlin	4	17.2	IS:2062 & IS:811
7	North south branching	1	3.52	
8	Front tilt support bottom	1	1.49	E250
9	Front tilt support top	1	1.1	IS:4923
10	Rafter bracing holder	2	1.62	
11	Rafter bracing	4	5.47	E350
12	Bracing center beam	2	3.33	IS:2062 & IS:811
13	Controller clamp-rear	2	0.6	IS:1161
14	Controller clamp-front	2	0.8	E250
15	Rubber pad	1	---	IS:2062
16	Center pin	1	---	---
Approx. total weight.			112.38	---
Galvanizing - 7 %			7.87	IS 4759
1	M16x60 bolt with 1-nut & 2-palin washer	4		
2	M12x15 bolt with 1-nut & 2-palin washer	1		
3	M10x100 bolt with 1-nut & 2-palin washer	17		
4	M12x35 bolt with 1-nut & 2-palin washer	16	6.5	8.8 GI
5	M10x30 bolt with 1-nut & 2-palin washer	16		IS : 1364
6	M6X25 Anti theft nut bolt, SS-304 (HeadOD ϕ 15 mm)	16	126.66	---
Approx. total weight of the structure			---	---



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PART NO.

TITLE

4 nos. Module mounting structure

DRG. NO.

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

07.02.20

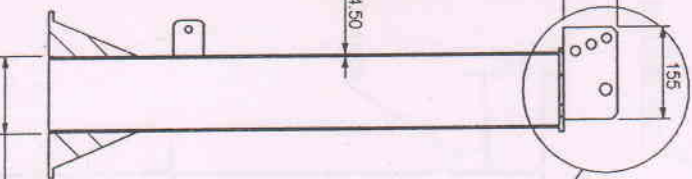
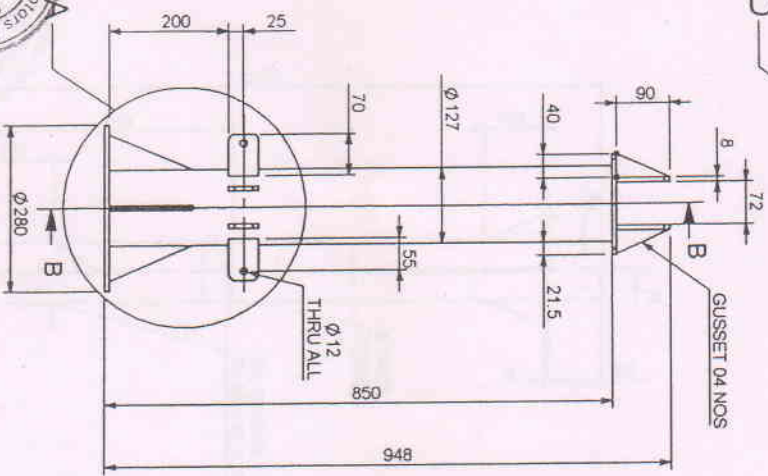
SCALE

1:100

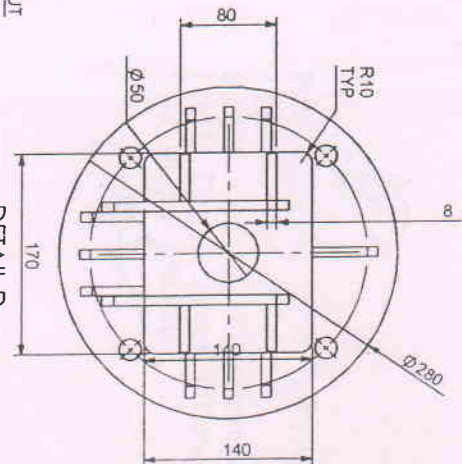
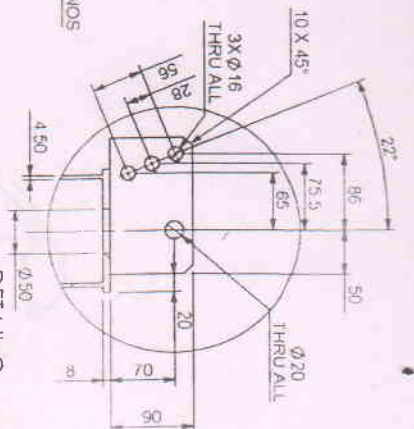
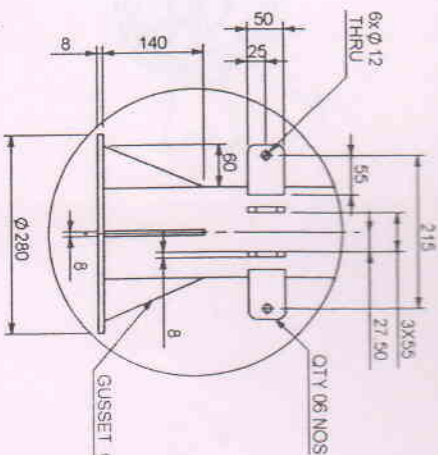
SMP-SM-1220

(Sheet 4 of 16)

SUPERSEDES NO.:



Technical drawing of a circular gusset plate. The plate has an outer diameter of $\phi 280$. Key dimensions include a central hole diameter of $6 \times \phi 12$ THRU, a distance of 140 from the center to the edge of the central hole, and a distance of 50 from the center to the edge of the outer hole. The plate is 8 mm thick. The drawing also shows a GUSSET label and a QTY 06 NOS label.



TITLE
4 nos. Module mounting

structure		SCALE	DRG NO.
DRN BY	Falz	07.02.20	
DRG BY	Falz	1-100	

PROBATION DEPT. B. Patel

Department

STANLEY A. ...
D.V.M.B. ... College,

V. V. Naifar-388120

LA VISHVAKARMA
V. V.
NAGAR
PIN-38812
DIST.

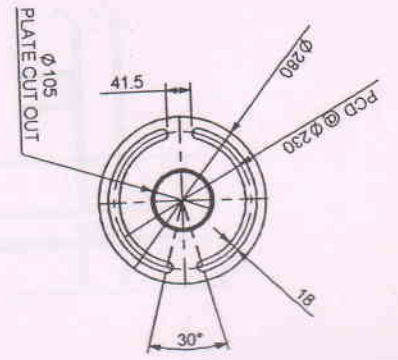
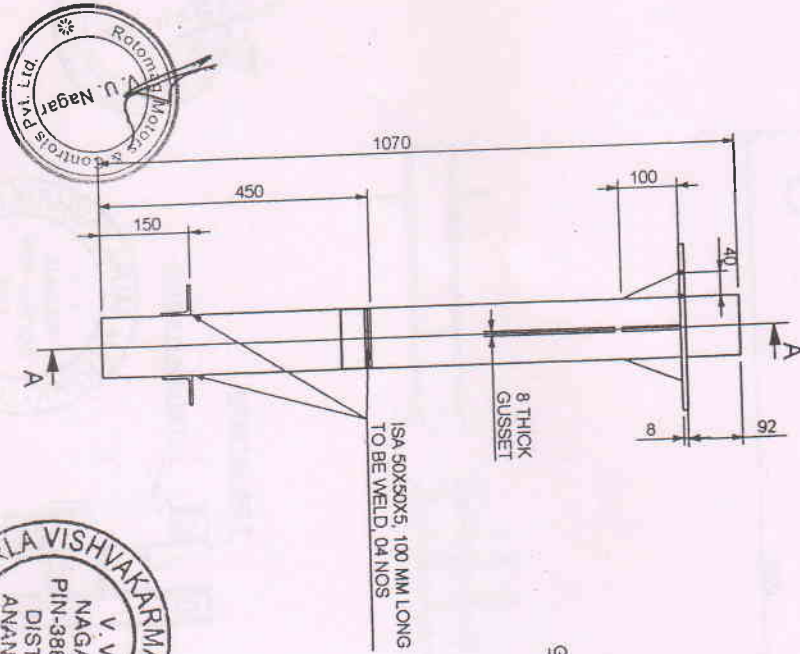
APPROD BY	D.R.P
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6

SUPERSEDES NO.:

SMP-SM-1220
(Sheet 5 of 16)

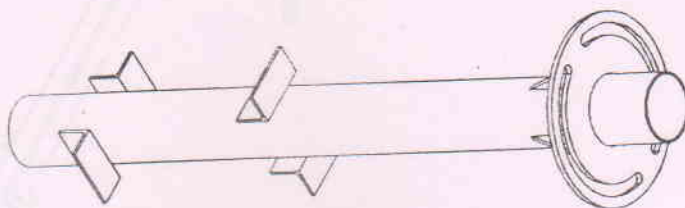
2) Bottom column



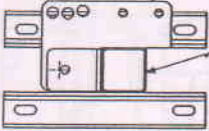
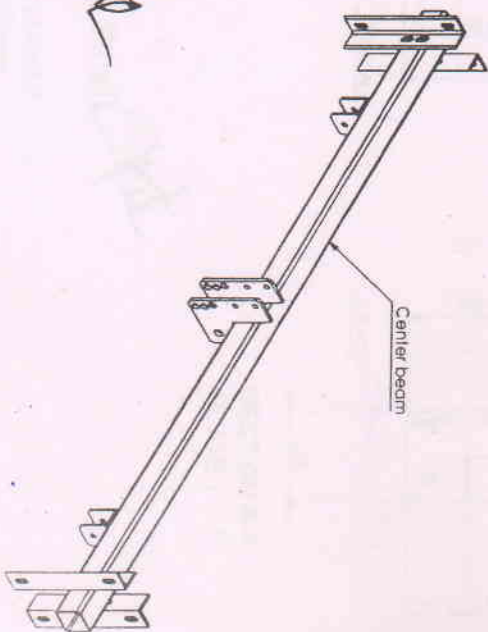
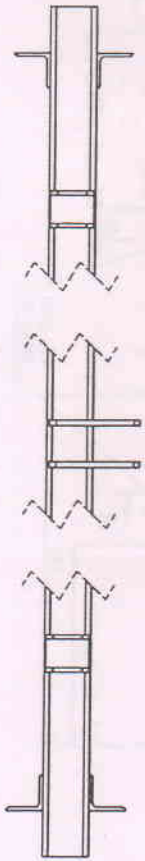
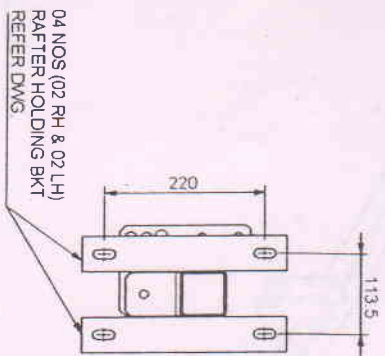
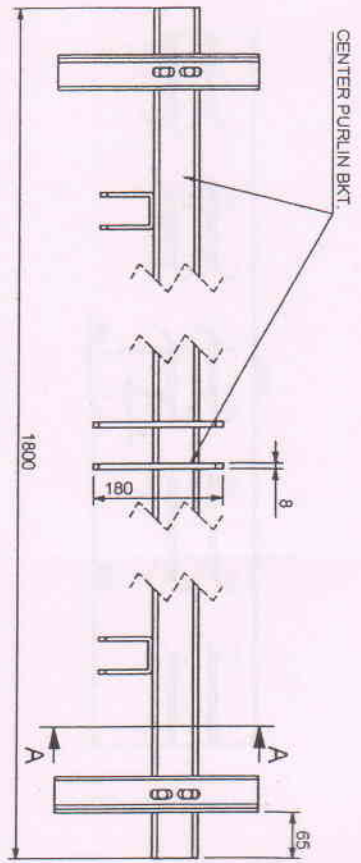
SECTION A-A
SCALE 1 : 12

PART NO.		TITLE 4 nos. Module mounting structure	
DRN BY	Faiz	07.02.20	SCALE 1:100
CHD BY	Faiz		DRG NO. SMP-SM-1220
APPD BY	D.R.P.		(Sheet 6 of 16)

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3) Center beam assly.



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PART NO.	-	TITLE	4 nos. Module mounting structure
DRN BY	Faiz	07.02.20	SCALE
CHD BY	Faiz	-	1:100
APPD BY	D.R.P.	-	DRG. NO.
			SMP-SM-1220
			(Sheet 7 of 16)

6

5

4

3

2

1

8

7

6

5

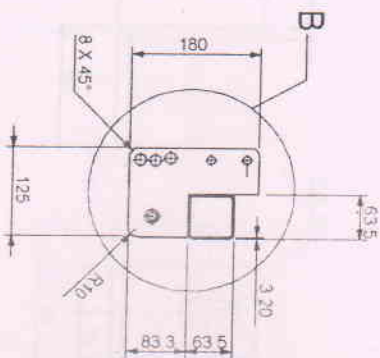
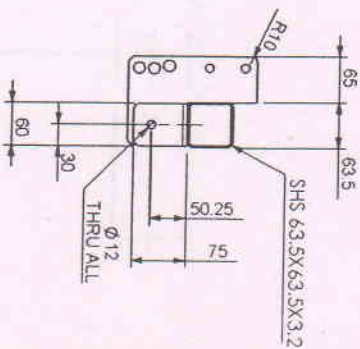
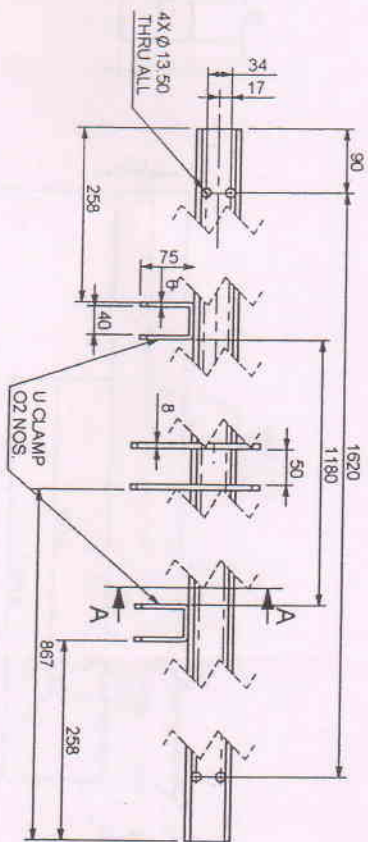
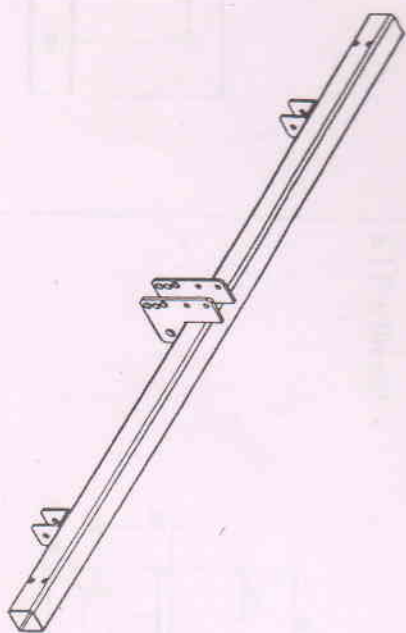
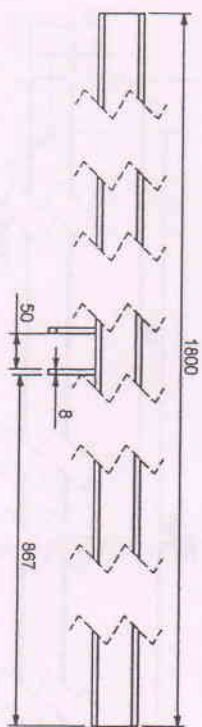
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3

2

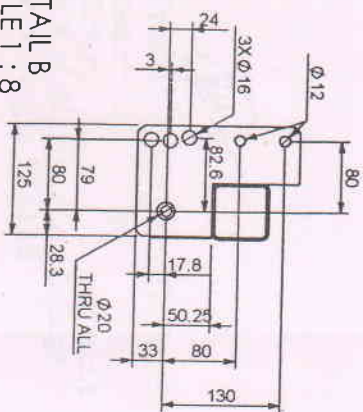
1

3) Center beam

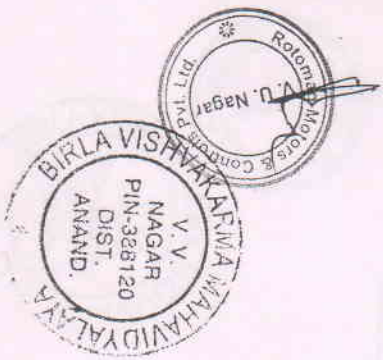


SECTION A-A
SCALE 1 : 10

DETAIL B
SCALE 1 : 8



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V. V. Nagar-388120



PART NO.

TITLE 4 nos. Module mounting structure

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

07.02.20 SCALE 1:100
DRG NO SMP-SM-1220
(Sheet 8 of 16)

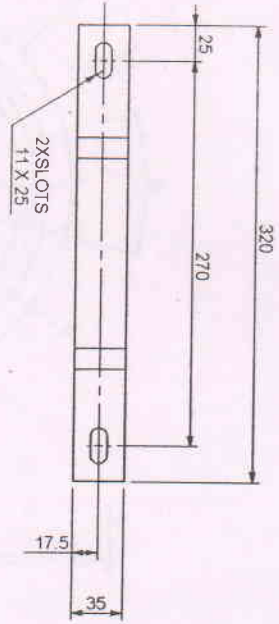
SUPERSEDES NO.

1							
2							
3							
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8							



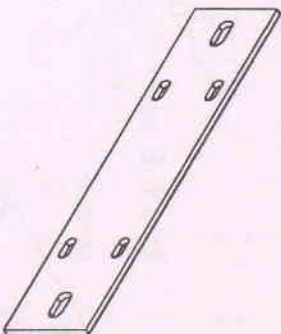
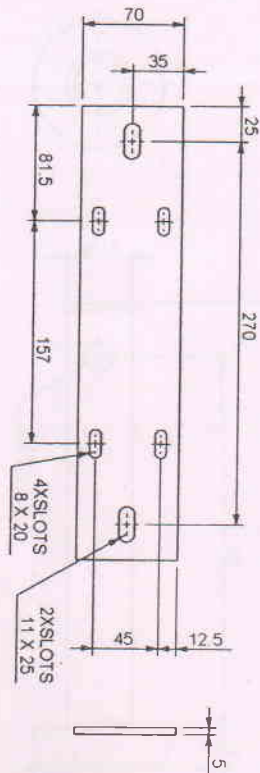
6	SUPERSEDES NO.:	(Order 14 of 19)
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13) Controller clamp - rear



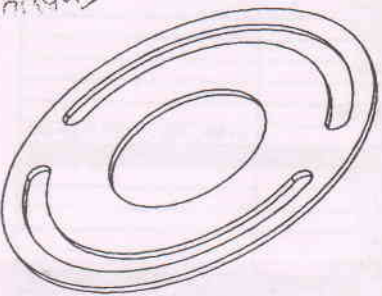
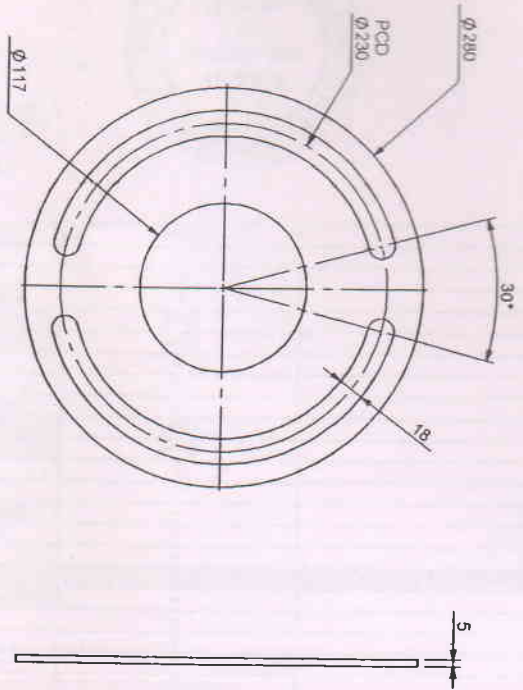
Prof. V. V. Nagar, D. Patel
Assistant Professor
Department
B.V.M. College,
V.V. Nagar, 388120

14) Controller clamp - Front

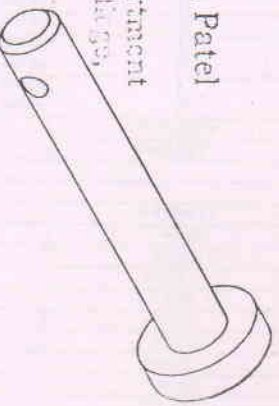
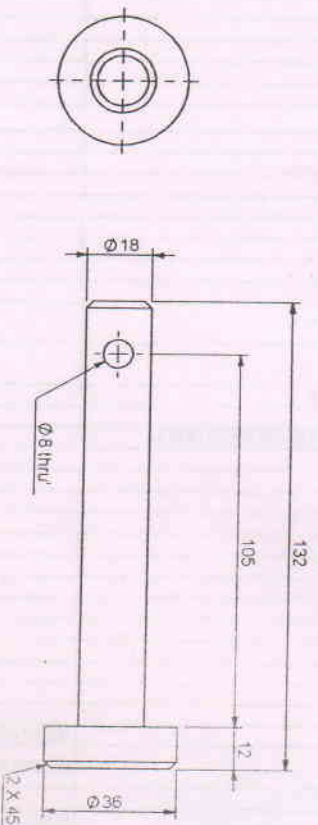


PART NO.		TITLE	
4 nos. Module mounting structure		DRG. NO.	
DRN BY	Faiz	07.02.20	1:2
CHD BY	Faiz	-	-
APPD BY	D.R.P.	-	-

16) Rubber pad



17) Center pin



for

Prof. Vishal Kumar B. Patel
Assistant Professor
Structural Engineering Department
B.V.M. P. O. Anand
V.V. Nagar, Dist. Anand

for

PART NO.

TITLE 4 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-1220

(Sheet 15 of 16)

SUPERSEDES NO.

