

MAPA Products

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Project Information and Support Data: Master Base Custom Assembly

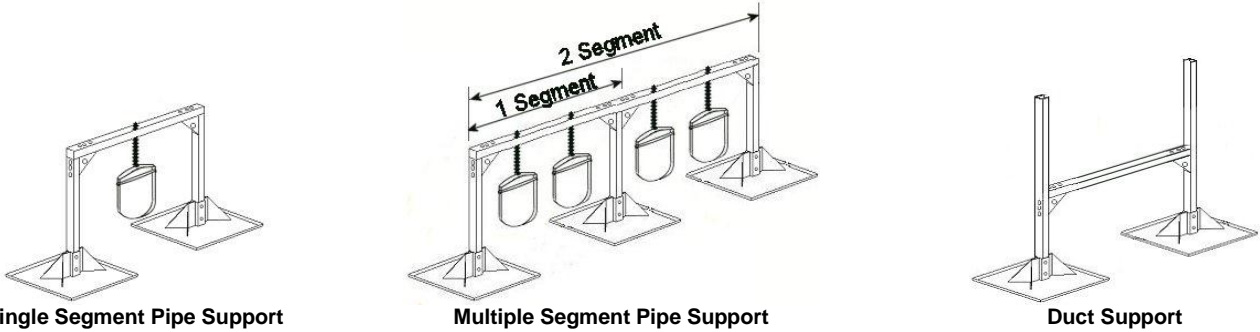
Submitted By: _____	Date: _____
Job Name _____	Bid Date: _____
Location _____	Contractor: _____
_____ <i>Architect</i>	_____ <i>Engineer</i>
_____ <i>Roof Consultant</i>	

Instructions:

- Complete Sections A and B where providing an equal to another specification.
- Complete Sections A, C and D for factory assistance in designing Custom Assembly.

Typical Trapeze Configurations

Standard assembly is SS base, HDG slotted strut and HDG hangers unless specified otherwise.



A. Project Specification for Supports

Specified Equal Mfg: _____	Maximum Spacing: _____
Model: _____	Weight on roof surface: (PSI) _____
<input type="checkbox"/> See attached specifications, details and/or plan.	

B. Assembly Details

Support	Service	Support		Size of Item+ Ins	Duct Enclosed		Adj. ATR Length	Hanger Type(s) Qty. and Size(s)	Vertical Clearance From Roof Surface to Bottom of Pipe	% of Slope	Free Standing or Structurally Attached
		W	H		Y	N					

Provide Walk Pads applicable to base design. (Recommend use of MAPA Products heavy-duty 1/2" walk pad)

Standard Segment Configurations

Provide on reverse side a rough sketch of support

Additional Project Information and Notes: (Reverse side)

1

2

3

4

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Typical weights per 10' Sch. 40 steel pipe.

	IPS											
	2"	2 1/2"	3"	3 1/2"	4"	5"	6"	8"	10"	12"	14"	16"
Empty Pipe	36.60	57.58	75.80	91.10	108.00	147.00	190.00	286.00	405.00	536.00	633.00	828.00
Pipe w/H2O	51.14	78.73	107.81	133.97	163.16	233.74	315.20	502.80	746.60	1021.00	1219.40	1593.80

Master Base Load Data

	Footprint (sq.in.)	Max weight (Lbs) +/- 2% tolerance	PSI to roof At Max. Wt.	Recommended Max. IPS @ 8' O.C. +/- 2% tolerance	
				Single Pipe	Double Pipe
MB-815	120	250	2.08	6" or <	4" or <
MB-1416	224	500	2.23	6"-10"	8" or <
MB-2020	400	800	2.00	10"-16"	10" or <

Calculation Chart for typical trapeze applications

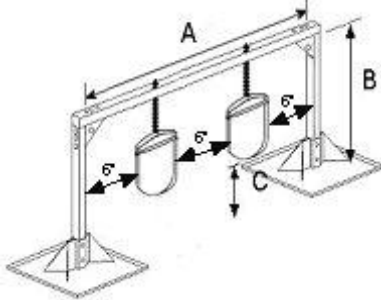
Support system for (2) Pipes maintaining 6" roof clearance with +/- 6"-12 adjustability

Hanger Size	2	2-1/2	3	4	6	8	10	12	14	16
Hanger (vertical dimension)	4-1/2	4-1/2	6-1/2	7-13/16	10-1/4	12-11/16	15-1/4	17-15/16	19-9/16	22
Hanger (horizontal dimension)	4	4 1/2	6	7	10	12	14	17	19	21
Horizontal (Inside to Inside)	26	28	30	32	38	42	46	52	56	60
Vertical Strut (Roof to Horizontal)	24	24	26	26	28	32	32	36	38	40
ATR Length	12	12	12	12	12	12	12	12	12	12

C. Custom Assembly Dimensions:

Trapeze Dimensions:

(Single segment w/2 hangers)



Pipe Run Configuration:

- A-Horizontal inside to inside verticals
- B-Vertical Strut Height
- C-Clearance from hanger base to roof
- Number of segments
- Number of Hangers per Segment

	1	2	3	4	5	6	7	8	9	10
A										
B										
C										
Number of segments										
Number of Hangers per Segment										

D. Pipe Data and Estimated Quantities

Run Conf	Type of Pipe	Pipe Content	IPS / Duct Size	Insulation Thickness	Hanger Size(s)	Total Run	Space	Run Qty.	Add	Est. Qty. Supports	MAPA Model
1			+	=		÷	=	+	=	→	
2			+	=		÷	=	+	=	→	
3			+	=		÷	=	+	=	→	
4			+	=		÷	=	+	=	→	
5			+	=		÷	=	+	=	→	
6			+	=		÷	=	+	=	→	
7			+	=		÷	=	+	=	→	
8			+	=		÷	=	+	=	→	
9			+	=		÷	=	+	=	→	
10			+	=		÷	=	+	=	→	

Note:

- Type of pipe (i.e. Steel, PVC, Copper, Stainless, Duct etc...)
- Pipe Content (i.e. H₂O, Steam, Natural Gas etc...)
- Duct Size O.D. of duct including any insulation.
- Add (app. increase of 10% for pipe turns, tees etc...)