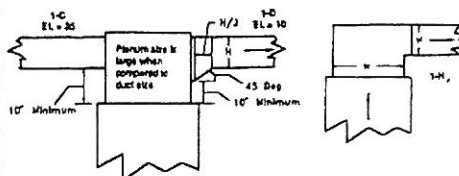


Ductwork Design

Equipment Static Pressure
 Coil Static Press
 Filter
 S/A & R/A
 Left

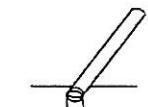
CFM _____
 Coil Static Press (Normally 0.25-0.35)
 Typical Standard Filter 0.08
 1" Pleated Filter 0.21
 Other Filters per Manufactures specs.

Supply Ai Plent Height



No Vanes	H / W	EL
1-H	0.5	120
	1.0	85

Plent Take/El
 Duct Footage

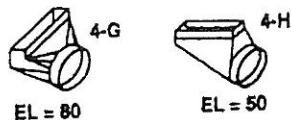


Fitting	Number of Downstream Branches in End of Trunk Duct or Number of Downstream Branches to a Trunk Reducer					
	0	1	2	3	4	5 or More
1-1	65	75	85	95	100	110

Run out

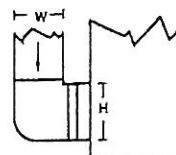
Square Elbow EL Values				Square Elbow EL Values			
8-D				8-E			
No Vanes	Hard Bend	H / W = 1	Easy Bend	Single Thickness Turning Vanes	Hard Bend	H / W = 1	Easy Bend
	80	80	85	10	10	10	10

El/ Reducer
 Run out Length



Boot
 Total SA

Return Ai R/A Plent Fit



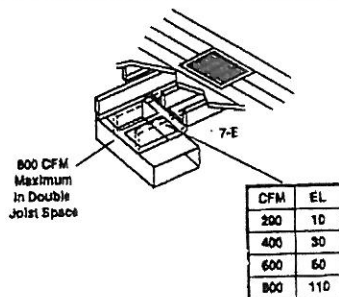
Mitered Inside Corner	H / W	EL
5-1	1	45
	2	30

R/A Height

Square Elbow EL Values				Square Elbow EL Values			
8-D				8-E			
No Vanes	Hard Bend	H / W = 1	Easy Bend	Single Thickness Turning Vanes	Hard Bend	H / W = 1	Easy Bend
	80	80	85	10	10	10	10

R/A Elbow
 R/A duct Length

R/A Joices
 Total RA
 Total S/A & R/A



CFM	EL
200	10
400	30
600	60
800	110

Summary Static Press
 X 100=
 Divide by Total Equivalent Length
