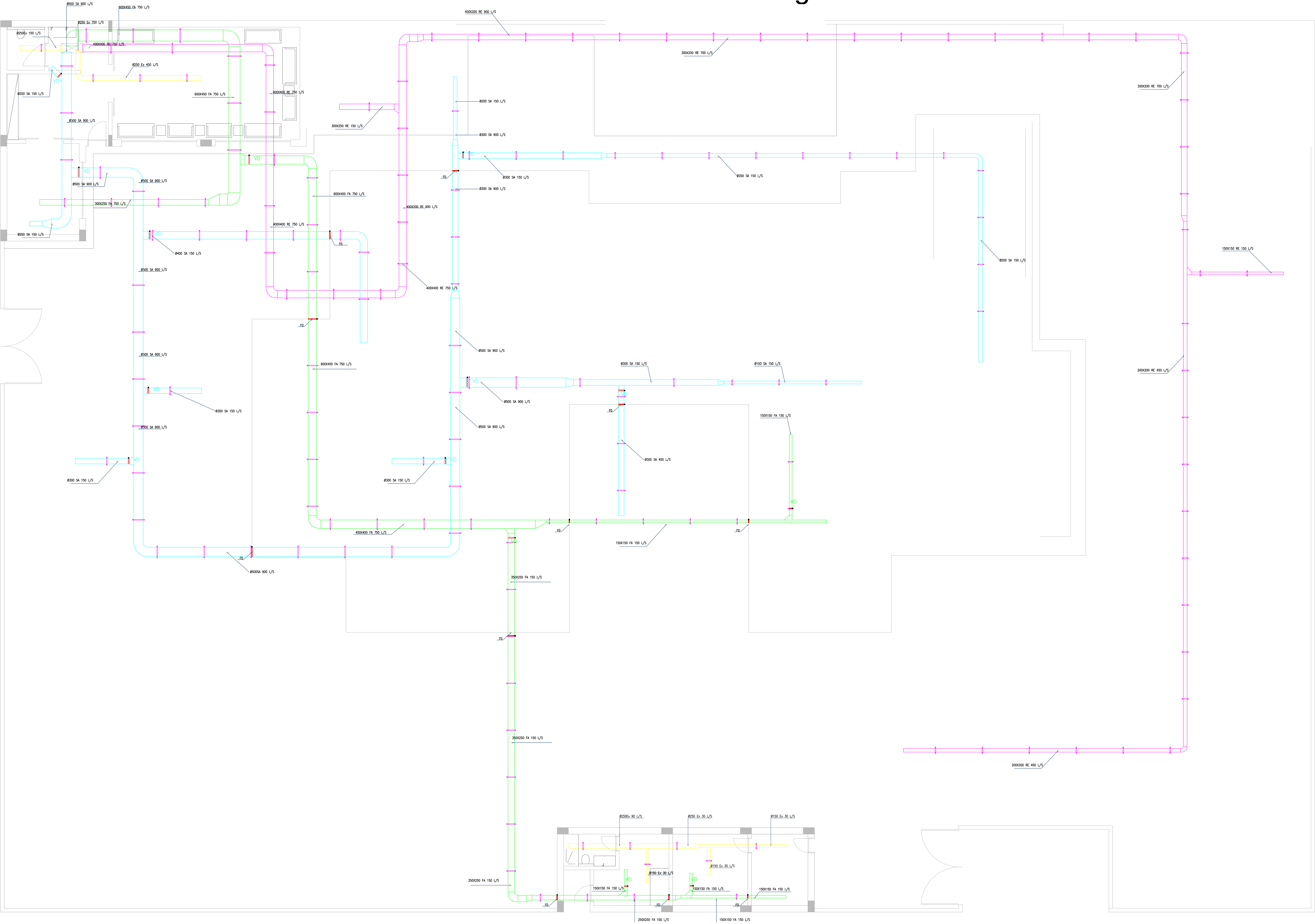


Single-Line Drawing

Double-Line Drawing



Output in Excel

Summary Source: Hvac_Duct	
Item	Value
Total Duct Length (m)	267.394
Sheet Metal Area (m²)	348.668
Duct Weight (kg)	2364.804
Insulation Area (m²)	366.101
Elbows	12
Reducers	6
Branch Shoes / Collars	7
Endcaps	9
VD	5
FD	7
Supports	97
Total Fittings	34
Total Accessories	109
Total Labor Hours	46.982
Total Estimated Cost	18608.22

Duct Lengths Source: Hvac_Duct				
	Layer	Duct Size	Length (m)	Runs
	FA	600x450	18.737	4
	FA	300x250	9.573	1
	FA	450x450	35.131	3
	FA	150x150	28.807	5
	FA	350x250	20.521	2
	FA	250x250	7.947	1
	RE-main	400x400	33.249	6
	RE-main	400x200	11.359	2
	RE-main	300x200	50.284	2
	RE-main	200x200	43.442	2
	RE-main	150x150	5.177	1
	RE-main	300x250	3.167	1

Fittings | Source: Hvac_Duct

Fitting Type	Size / Transition	Qty
Elbow	90 DEG 600x450	3
Elbow	90 DEG 450x450	2
Elbow	90 DEG 350x250	1
Elbow	90 DEG 400x400	3
Elbow	90 DEG 400x200	1
Elbow	90 DEG 300x200	1
Elbow	90 DEG 200x200	1
Reducer	600x450 -> 300x250	1
Reducer	450x450 -> 150x150	1
Reducer	350x250 -> 250x250	1
Reducer	250x250 -> 150x150	1
Reducer	400x200 -> 300x200	1
Reducer	300x200 -> 200x200	1
Branch Shoe / Collar	Main 450x450 -> Branch 150x150	1
Branch Shoe / Collar	Main 150x150 -> Branch 150x150	3
Branch Shoe / Collar	Main 350x250 -> Branch 150x150	1
Branch Shoe / Collar	Main 300x250 -> Branch 150x150	1
Branch Shoe / Collar	Main 300x250 -> Branch 300x250	1
Endcap	300x250	2
Endcap	150x150	6
Endcap	200x200	1

Dampers Source: Hvac_Duct		
Damper Type	Size	Qty
VD	450x450	1
VD	150x150	3
VD	350x250	1
FD	450x450	1
FD	150x150	3
FD	250x250	2
FD	350x250	1

Supports Source: Hvac_Duct	
Duct Size	Support Qty
600x450	6
300x250	5
450x450	13
150x150	10
350x250	8
250x250	3
400x400	12
400x200	4
300x200	20
200x200	16

Area Weight Source: Hvac_Duct			
Duct Size	Sheet Metal Area (m²)	Duct Weight (kg)	Insulation Area (m²)
150x150	22.213	150.658	23.324
200x200	36.042	244.451	37.844
225x200	0.797	5.405	0.837
250x200	1.438	9.751	1.51
250x250	7.947	53.898	8.344
300x200	51.184	347.15	53.743
300x250	15.921	107.984	16.717
300x300	1.917	13.002	2.013
350x200	0.726	4.924	0.762
350x250	25.706	174.347	26.991
400x200	14.711	99.777	15.447
400x400	57.518	390.11	60.394
450x350	1.056	7.162	1.109
450x450	66.475	450.862	69.799
600x450	45.017	305.322	47.268

Cost Labor | Source: Hvac_Duct

Item	Value
Sheet Metal Cost	10641.62
Insulation Cost	2928.81
Support Cost	1164
Damper Cost	820
Labor Cost	3053.8
Total Cost	18608.22
Duct Labor Hours	21.392
Elbow Labor Hours	4.2
Reducer Labor Hours	1.8
Branch Shoe Labor Hours	3.15
Endcap Labor Hours	1.35
VD Labor Hours	1
FD Labor Hours	2.45
Support Labor Hours	11.64
Total Labor Hours	46.982

Size Schedule Source: Hvac_Duct							
Duct Size	Shape	Diameter (mm)	Width (mm)	Height (mm)	Layers	Runs	
600x450	RECT		600	450	FA	4	
300x250	RECT		300	250	FA, RE-main	2	
450x450	RECT		450	450	FA	3	
150x150	RECT		150	150	FA, RE-main	6	
350x250	RECT		350	250	FA	2	
250x250	RECT		250	250	FA	1	
400x400	RECT		400	400	RE-main	6	
400x200	RECT		400	200	RE-main	2	
300x200	RECT		300	200	RE-main	2	
200x200	RECT		200	200	RE-main	2	

Warnings Report Source: Hvac_Duct	
Type	Message
Selected Layers	FA, RE
Layers Processed	FA, RE-main
Skipped Layers	EA-main, SA-main
Missing Sizes	0
Warning	FA group is far from selected shaft: 43576.7
Warning	FA group is far from selected shaft: 34550.0
Warning	FA group is far from selected shaft: 52770.9
Warning	FA group is far from selected shaft: 54974.1
Warning	RE-main group is far from selected shaft: 60616.9