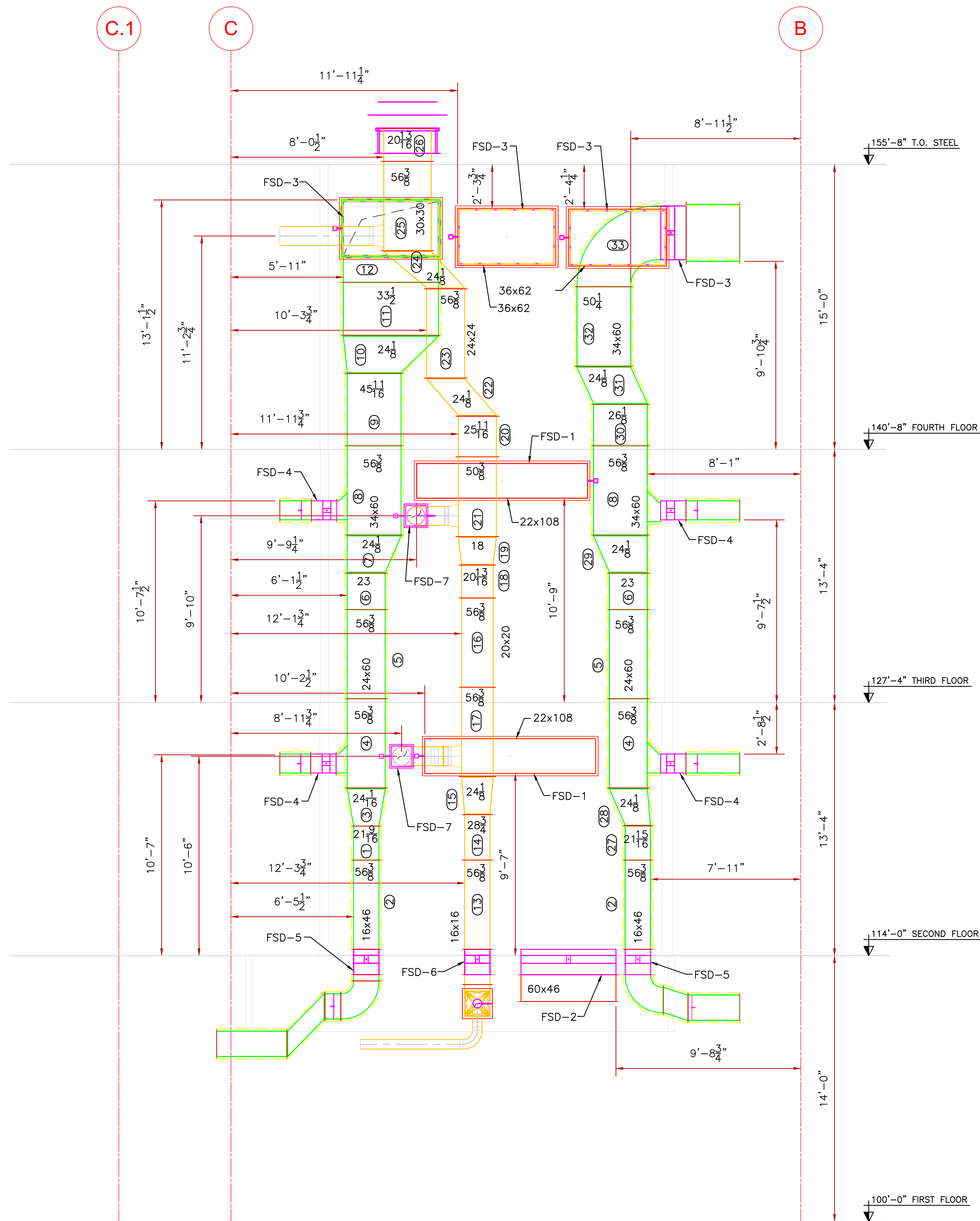
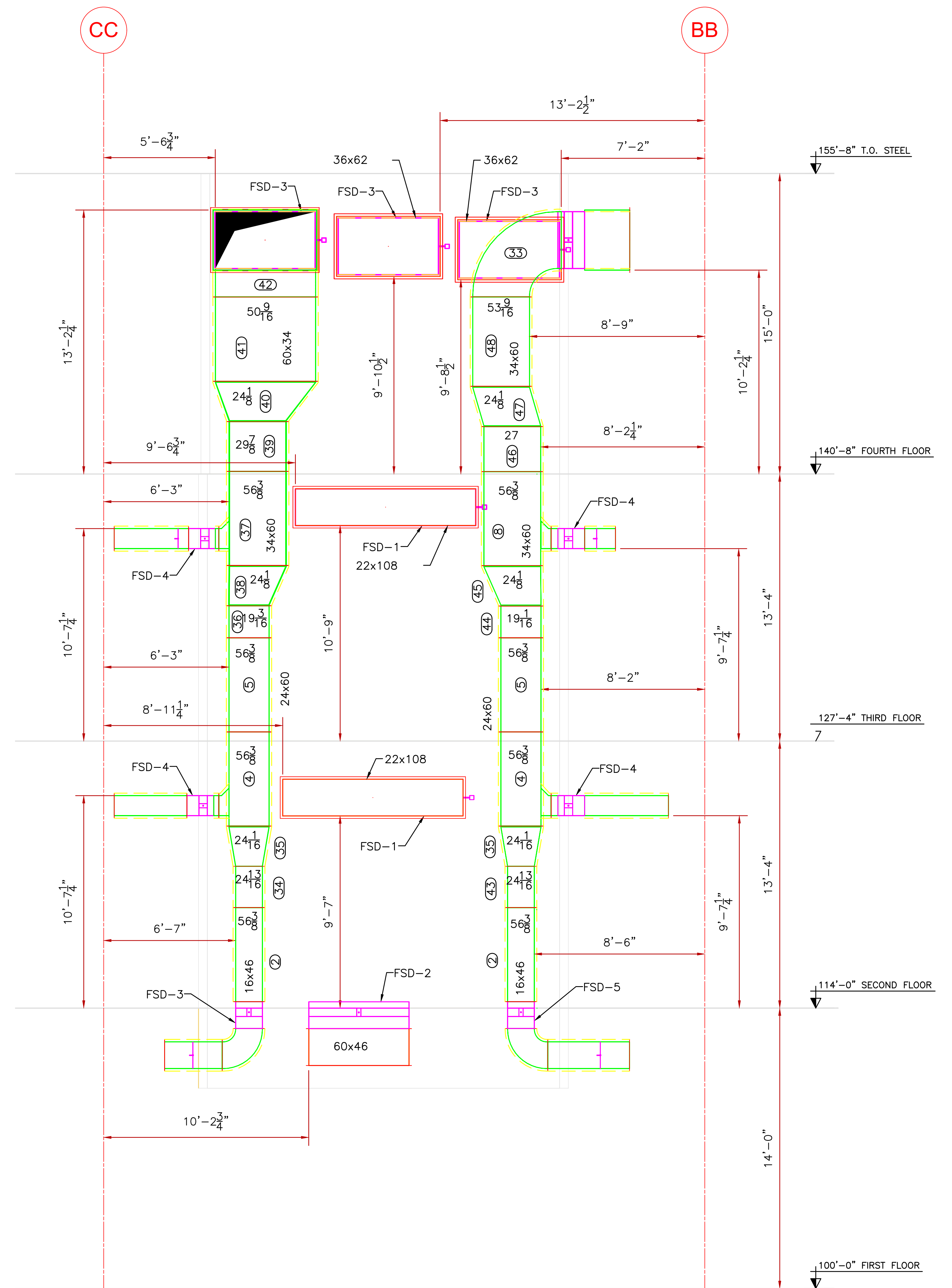
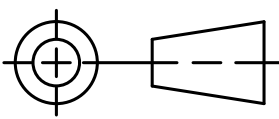




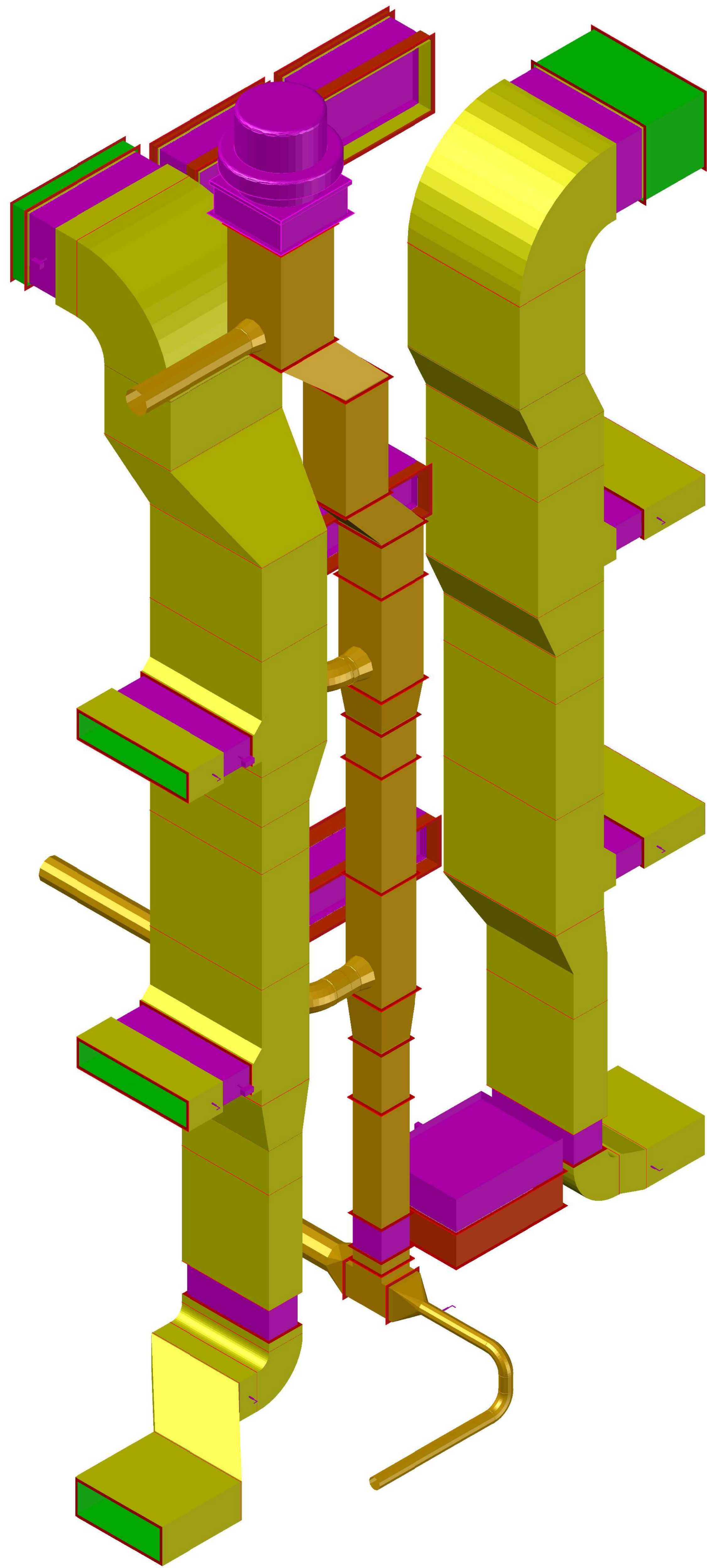
SHAFT VIEW-01



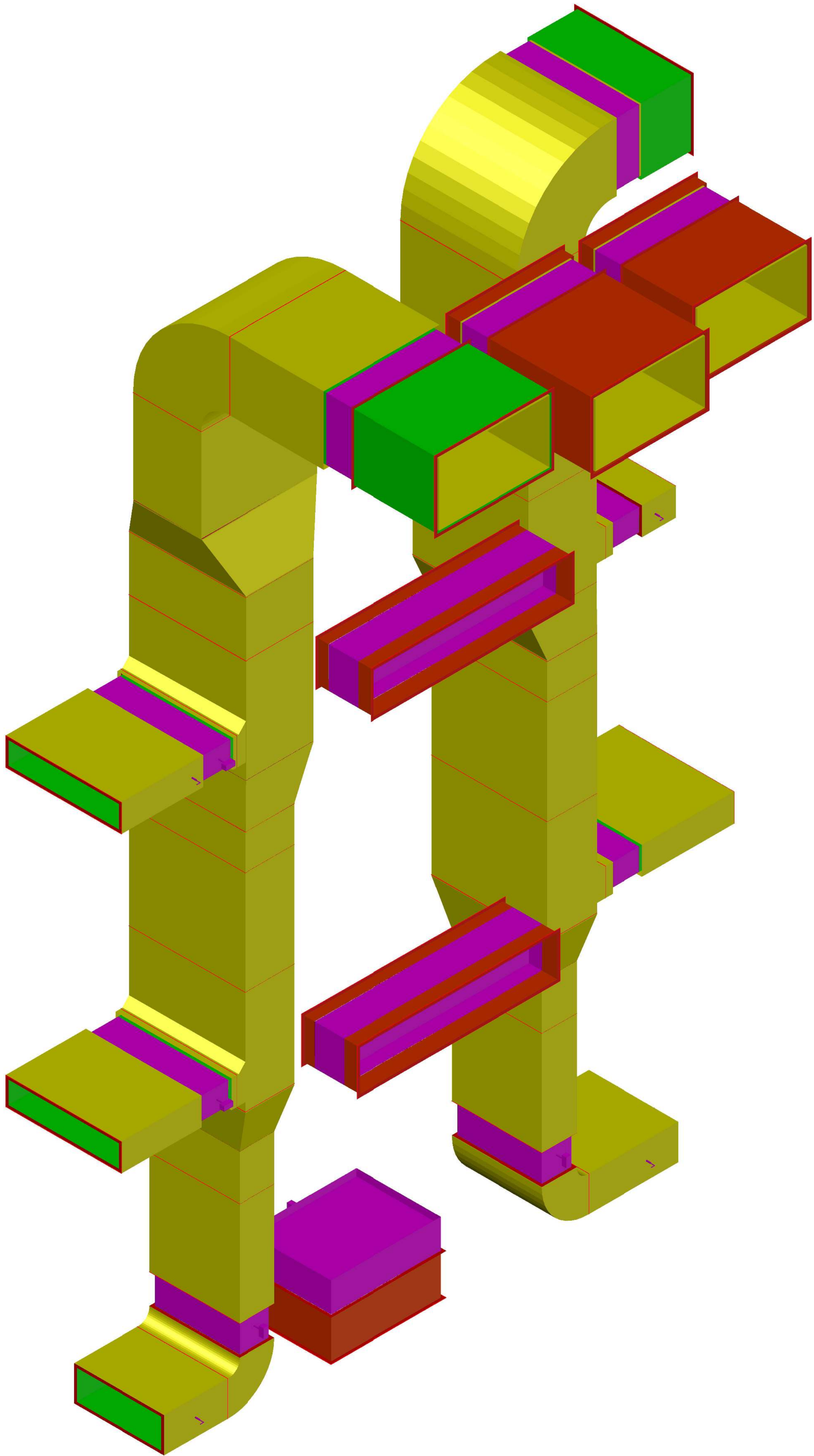
SHAFT VIEW-02

NOTES	LEGEND	CLIENT:	TOLERANCES UNLESS NOTED DECIMAL ± 0.125" FRACTIONAL ± 2" ANGULAR ± 5"		DRAWN	TITLE			
			ALL DIMENSIONS IN INCHES		RAV	MEADOWLAND			
			THIRD ANGLE PROJECTION USED 		DATE	HVAC – SECTIONS			
			PROPRIETARY – The material on this print is proprietary and the property of Advantage Engineering, not to be reproduced, published, or disclosed to others without prior written authorization from Advantage Engineering.		SCALE	SHEET SIZE	DRAWING NO.	SHEET NO.	CHECKED BY
					1/4"=1'	E	M-500	1	
						Advantage Engineering P.O. BOX 1042, BALLSTON LAKE, N.Y. 12019			

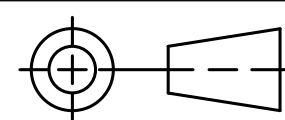
TEL: 518-320-2501
FAX: 518-884-0976
EMAIL: AdvantageEng@nycap.rr.com

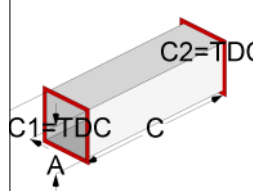


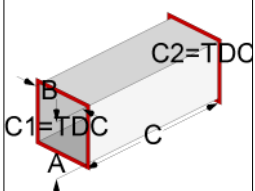
SHAFT VIEW-01

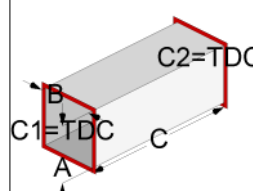


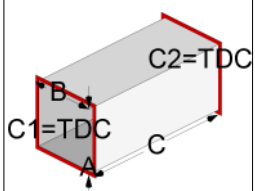
SHAFT VIEW-02

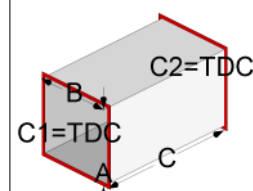
NOTES	LEGEND		CLIENT:	TOLERANCES UNLESS NOTED DECIMAL ± 0.125" FRACTIONAL ± 2" ANGULAR ± 5°	DRAWN	TITLE MEADOWLAND				
					RAV	HVAC – 3D VIEWS				
					DATE					
				ALL DIMENSIONS IN INCHES			SHEET SIZE	DRAWING NO.	SHEET NO.	CHECKED BY
				THIRD ANGLE PROJECTION USED 		SCALE	E	M-500	1	
			PROPRIETARY – The material on this print is proprietary and the property of Advantage Engineering, not to be reproduced, published, or disclosed to others without prior written authorization from Advantage Engineering.		1/2"=1'	 Advantage Engineering P.O. BOX 1042, BALLSTON LAKE, N.Y. 12019 TEL: 518-320-2501 FAX: 518-884-0976 EMAIL: AdvantageEng@nycap.rr.com				

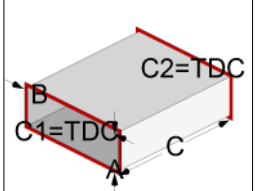
Exhaust Air	13	Width	16.000
		Depth	16.000
		Length	Auto
	Straight Galvanized x 24 Con1: TDC Con2: TDC Qty: 1		
Ductwork: +4 WG			

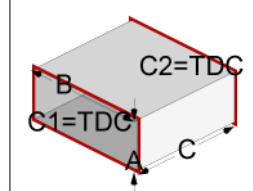
Exhaust Air	16	Width	20.000
		Depth	20.000
		Length	Auto
	Straight Galvanized x 22 Con1: TDC Con2: TDC Qty: 1		
Ductwork: +4 WG			

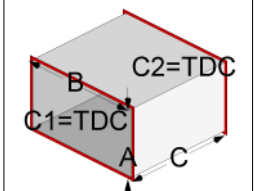
Exhaust Air	17	Width	20.000
		Depth	20.000
		Length	Auto
	Straight Galvanized x 22 Con1: TDC Con2: TDC Qty: 1		
Ductwork: +4 WG			

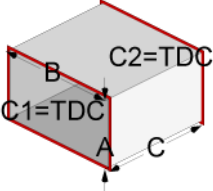
Exhaust Air	23	Width	24.000
		Depth	24.000
		Length	Auto
	Straight Galvanized x 22 Con1: TDC Con2: TDC Qty: 1		
Ductwork: +4 WG			

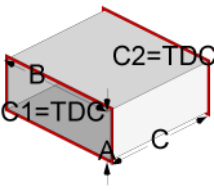
Exhaust Air	25	Width	30.000
		Depth	30.000
		Length	Auto
	Straight Galvanized x 24 Con1: TDC Con2: TDC Qty: 1		
Ductwork: +4 WG			

Supply Air	2	Width	16.000
		Depth	46.000
		Length	Auto
	Straight Galvanized x 20 Con1: TDC Con2: TDC Qty: 4		
Ductwork: +4 WG			

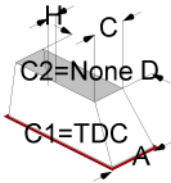
Supply Air	5	Width	24.000
		Depth	60.000
		Length	Auto
	Straight Galvanized x 20 Con1: TDC Con2: TDC Qty: 4		
Ductwork: +4 WG			

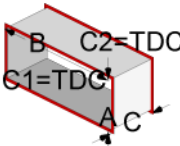
Supply Air	37	Width	34.000
		Depth	60.000
		Length	Auto
	Straight Galvanized x 20 Con1: TDC Con2: TDC Qty: 1		
Ductwork: +4 WG			

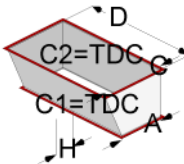
Supply Air	8	Width	34.000
	Straight Galvanized x 20 Con1: TDC Con2: TDC Qty: 3	Depth	60.000
		Length	Auto
Ductwork: +4 WG			

Supply Air	4	Width	24.000
	Straight Galvanized x 20 Con1: TDC Con2: TDC Qty: 4	Depth	60.000
		Length	Auto
Ductwork: +4 WG			

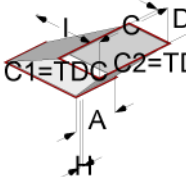
Supply Air	1		Dims
	Straight Galvanized x 20 Con1: TDC Con2: TDC	Width	16.000
		Depth	46.000
		Length	21.427
	Qty: 1		
Ductwork: +4 WG			

Supply Air	3	Dims	
	Transition Galvanized x 20 Con1: TDC Con2: None	Width In	24.000
		Depth In	60.000
		Width Out	16.000
		Depth Out	46.000
		Length	24.000
		Extension In	0.000
		Extension ...	0.000
		Offset Width	Central
		Offset Depth	0.000
		Angle	30.256
	Qty: 1		
Ductwork: +4 WG			

Supply Air	6	Width Depth Length	Dims
			24.000
	60.000		
	22.875		
	Straight Galvanized x 20 Con1: TDC Con2: TDC		
	Qty: 2		
Ductwork: +4 WG			

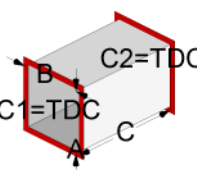
Supply Air	7		Dims
	Transition Galvanized x 20 Con1: TDC Con2: TDC	Width In	24.000
		Depth In	60.000
		Width Out	34.000
		Depth Out	60.000
		Length	24.000
		Extension In	0.000
		Extension ...	0.000
		Offset Width	-10.006
		Offset Depth	0.000
		Angle	22.633
	Qty: 1		
Ductwork: +4 WG			

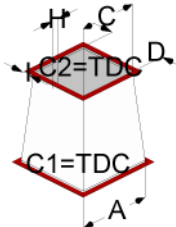
Supply Air	9	Width Depth Length	Dims
			34.000
	60.000		
	45.547		
	Straight Galvanized x 20 Con1: TDC Con2: TDC		
	Qty: 1		
Ductwork: +4 WG			

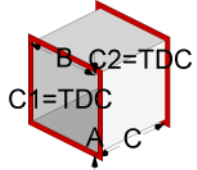
Supply Air	10		Dims
	Transition Galvanized x 20 Con1: TDC Con2: TDC	Width In	34.000
		Depth In	60.000
		Width Out	60.000
		Depth Out	34.000
		Length	24.000
		Extension In	0.000
		Extension ...	0.000
		Offset Width	-2.469
		Offset Depth	49.000
		Angle	63.905
	Qty: 1		
Ductwork: +4 WG			

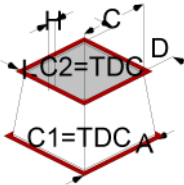
Supply Air	11	Width Depth Length	Dims
			60.000
	34.000		
	33.375		
	Straight Galvanized x 20 Con1: TDC Con2: TDC		
	Qty: 1		
Ductwork: +4 WG			

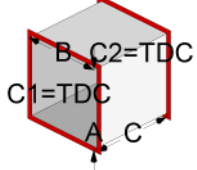
Supply Air	12		Dims
	Radius Elbow Galvanized x 20 Con1: TDC Con2: TDC	Width	34.000
		Depth	60.000
		Angle	90.000
		Top Extens...	0.000
		Bottom Ext...	0.000
		Inner Radius	<u>Half Width</u>
	Qty: 1		
Ductwork: +4 WG			

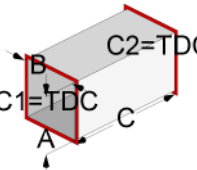
Exhaust Air	14	Dims	
	Straight Galvanized x 24 Con1: TDC Con2: TDC	Width	16.000
		Depth	16.000
		Length	28.625
Qty: 1			
Ductwork: +4 WG			

Exhaust Air	15	Dims	
	Transition Galvanized x 22 Con1: TDC Con2: TDC	Width In	20.000
		Depth In	20.000
		Width Out	16.000
		Depth Out	16.000
		Length	24.000
		Extension In	0.000
		Extension ...	0.000
		Offset Width	Central
		Offset Depth	Central
		Angle	4.764
Qty: 1			
Ductwork: +4 WG			

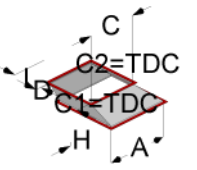
Exhaust Air	18	Dims	
		Width	20.000
	Depth	20.000	
	Length	20.717	
Ductwork: +4 WG	Qty: 1		

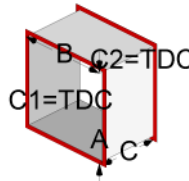
Exhaust Air	19	Dims	
	Transition Galvanized x 22 Con1: TDC Con2: TDC	Width In	24.000
		Depth In	24.000
		Width Out	20.000
		Depth Out	20.000
		Length	17.875
		Extension In	0.000
		Extension ...	0.000
		Offset Width	2.000
		Offset Depth	2.000
		Angle	6.384
Qty: 1			
Ductwork: +4 WG			

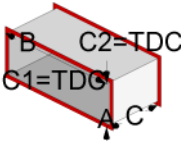
Exhaust Air	20	Dims	
		Width	24.000
	Straight Galvanized x 22 Con1: TDC Con2: TDC	Depth	24.000
		Length	25.592
	Qty: 1		
Ductwork: +4 WG			

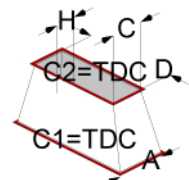
Exhaust Air	21	Dims	
		Width	24.000
	Depth	24.000	
	Length	50.250	
	Straight Galvanized x 22 Con1: TDC Con2: TDC		
	Qty: 1		
Ductwork: +4 WG			

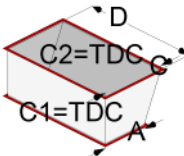
Exhaust Air	22	Dims	
	Transition Galvanized x 22 Con1: TDC Con2: TDC	Width In	<u>24.000</u>
		Depth In	<u>24.000</u>
		Width Out	<u>24.000</u>
		Depth Out	<u>24.000</u>
		Length	<u>24.000</u>
		Extension In	<u>0.000</u>
		Extension ...	<u>0.000</u>
		Offset Width	<u>-20.000</u>
Offset Depth	<u>0.000</u>		
Angle	<u>39.806</u>		
Qty: 1			
Ductwork: +4 WG			

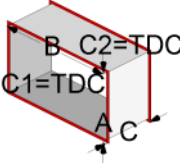
Exhaust Air	24	Dims		
	Transition Galvanized x 24 Con1: TDC Con2: TDC	Width In	30.000	
		Depth In	30.000	
		Width Out	24.000	
		Depth Out	24.000	
		Length	24.000	
			Extension In	0.000
			Extension ...	0.000
			Offset Width	-21.146
			Offset Depth	15.349
			Angle	48.520
Ductwork: +4 WG	Qty: 1			

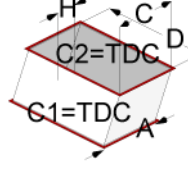
Exhaust Air	26	Dims	
		Width	30.000
	Depth	30.000	
	Length	20.690	
	Straight Galvanized x 24 Con1: TDC Con2: TDC		
	Qty: 1		
Ductwork: +4 WG			

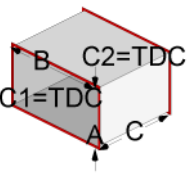
Supply Air	27	Dims	
		Width	16.000
	Depth	46.000	
	Length	21.802	
Ductwork: +4 WG	Qty: 1		

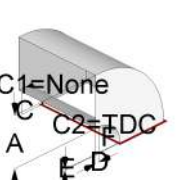
Supply Air	28	Dims	
	Transition Galvanized x 20 Con1: TDC Con2: TDC	Width In	24.000
		Depth In	60.000
		Width Out	16.000
		Depth Out	46.000
		Length	24.000
		Extension In	0.000
		Extension ...	0.000
		Offset Width	10.000
		Offset Depth	0.000
		Angle	30.256
Qty: 1			
Ductwork: +4 WG			

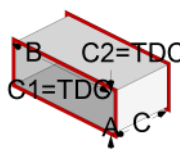
Supply Air	29	Dims	
	Transition Galvanized x 20 Con1: TDC Con2: TDC	Width In	24.000
		Depth In	60.000
		Width Out	34.000
		Depth Out	60.000
		Length	24.000
		Extension In	0.000
		Extension ...	0.000
		Offset Width	0.000
		Offset Depth	0.000
		Angle	22.620
Qty: 1			
Ductwork: +4 WG			

Supply Air	30	Width Depth Length	Dims	
			34.000	
	60.000			
	26.019			
Qty: 1				
Ductwork: +4 WG				

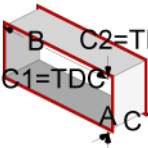
Supply Air	31	Dims		
	Transition Galvanized x 20 Con1: TDC Con2: TDC	Width In	34.000	
		Depth In	60.000	
		Width Out	34.000	
		Depth Out	60.000	
		Length	24.000	
		Extension In	0.000	
		Extension ...	0.000	
		Offset Width	10.505	
		Offset Depth	0.000	
		Angle	23.639	
Qty: 1				
Ductwork: +4 WG				

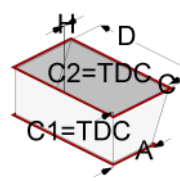
Supply Air	32	Width Depth Length	Dims
			34.000
	60.000		
	50.104		
Ductwork: +4 WG	Qty: 1		

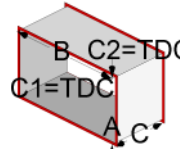
Supply Air	33	Dims	
		Width	34.000
	Depth	60.000	
	Angle	90.000	
	Top Extens...	2.000	
	Bottom Ext...	0.000	
	Inner Radius	<u>Half Width</u>	
	Qty: 2		
Ductwork: +4 WG			

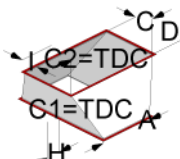
Supply Air	34	Width Depth Length	Dims
	Straight Galvanized x 20 Con1: TDC Con2: TDC		16.000
			46.000
			24.708
Ductwork: +4 WG	Qty: 1		

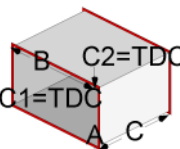
Supply Air	35	Dims	
		Width In	24.000
	Depth In	60.000	
	Width Out	16.000	
	Depth Out	46.000	
	Length	24.000	
	Transition Galvanized x 20 Con1: TDC Con2: None	Extension In	0.000
		Extension ...	0.000
		Offset Width	Central
		Offset Depth	Central
		Angle	16.260
	Qty: 2		
Ductwork: +4 WG			

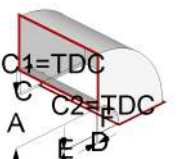
Supply Air	36	Dims	
		Width	24.000
	Depth	60.000	
	Length	19.070	
	Straight Galvanized x 20 Con1: TDC Con2: TDC		
	Qty: 1		
Ductwork: +4 WG			

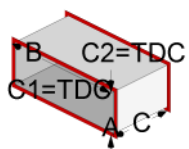
Supply Air	38	Dims	
		Width In	24.000
	Depth In	60.000	
	Width Out	34.000	
	Depth Out	60.000	
	Transition Galvanized x 20 Con1: TDC Con2: TDC	Length	24.000
		Extension In	0.000
		Extension ...	0.000
		Offset Width	0.186
		Offset Depth	-0.075
		Angle	22.998
Qty: 1			
Ductwork: +4 WG			

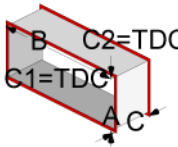
Supply Air	39	Width Depth Length	Dims
			34.000
	60.000		
	29.722		
Ductwork: +4 WG	Qty: 1		

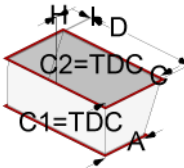
Supply Air	40	Dims	
		Width In	34.000
	Depth In	60.000	
	Width Out	60.000	
	Depth Out	34.000	
	Transition Galvanized x 20 Con1: TDC Con2: TDC	Length	24.000
		Extension In	0.000
		Extension ...	0.000
		Offset Width	-8.265
		Offset Depth	10.500
		Angle	36.463
Qty: 1			
Ductwork: +4 WG			

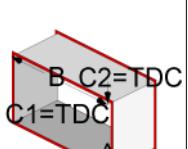
Supply Air	41	Width Depth Length	Dims
			34.000
	60.000		
	50.440		
	Straight Galvanized x 20 Con1: TDC Con2: TDC		
	Qty: 1		
Ductwork: +4 WG			

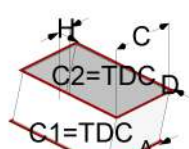
Supply Air	42	Dims	
		Width	34.000
	Depth	60.000	
	Angle	90.000	
	Top Extens...	0.000	
	Bottom Ext...	0.000	
	Inner Radius	<u>Half Width</u>	
	</		

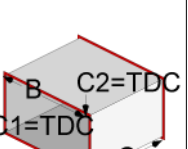
Supply Air	43	Width Depth Length	Dims
			16.000
	46.000		
	24.708		
Ductwork: +4 WG	Qty: 1		

Supply Air	44	Dims	
		Width	24.000
	Depth	60.000	
	Length	18.945	
Straight			
Galvanized x 20			
Con1: TDC			
Con2: TDC			
Qty: 1			
Ductwork: +4 WG			

Supply Air	45	Dims	
	Transition Galvanized x 20 Con1: TDC Con2: TDC	Width In	24.000
		Depth In	60.000
		Width Out	34.000
		Depth Out	60.000
		Length	24.000
		Extension In	0.000
		Extension ...	0.000
		Offset Width	0.189
		Offset Depth	0.075
		Angle	23.002
Qty: 1			
Ductwork: +4 WG			

Supply Air	46	Dims	
		Width	34.000
		Depth	60.000
		Length	26.847
	Straight Galvanized x 20 Con1: TDC Con2: TDC		
		Qty: 1	
Ductwork: +4 WG			

Supply Air	47	Dims	
	Transition Galvanized x 20 Con1: TDC Con2: TDC	Width In	34.000
		Depth In	60.000
		Width Out	34.000
		Depth Out	60.000
		Length	24.000
		Extension In	0.000
		Extension ...	0.000
		Offset Width	6.680
		Offset Depth	-0.112
		Angle	15.553
Qty: 1			
Ductwork: +4 WG			

Supply Air	48	Width Depth Length	Dims
			34.000
	60.000		
	53.440		
	Straight Galvanized x 20 Con1: TDC Con2: TDC		
	Qty: 1		
Ductwork: +4 WG			