Proposal



Project Data

Project No: System No:

Prepared by:

295515

Date:

10/15/2025

Prepared for:

Grizzly Industrial - Bellingham, WA

Justin Mathis

Project Name: Demo Drawing 4

Location: MO

295515.01.00 Layout/BOM No: Layout/BOM Title: Demo Drawing 4

Product(s): US-Duct

Calculation Details

Duct	Resu	lts
------	------	-----

Duct 4	Duct Velocity	Duct Volume	Duct Dia.	Length	Section
0.181 inW	4503 FPM	393 CFM	ø4"	2' 11 1/4"	01
0.351 inV	4503 FPM	393 CFM	ø4"	5' 8 1/2"	02
1.576 inW	4503 FPM	393 CFM	ø4"	13' 9 ½"	03
0.171 inW	4503 FPM	614 CFM	ø5"	3' 8"	04
0.266 inW	4503 FPM	614 CFM	ø5"	5' 8 1/2"	05
0.824 inW	4503 FPM	614 CFM	ø5"	6' 6 1/2"	06
0.171 inW	4503 FPM	614 CFM	ø5"	3' 8"	07
0.857 inW	4503 FPM	614 CFM	ø5"	5' 8 1/2"	08
0.058 inV	4595 FPM	1228 CFM	ø7"	5' 7 3/4"	09
0.226 inW	4503 FPM	393 CFM	ø4"	3' 8"	10
1.006 inW	4503 FPM	393 CFM	ø4"	5' 8 1/2"	11
1.97 inW	5764 FPM	786 CFM	ø5"	27' 5 1/2"	12
1.309 inW	5764 FPM	786 CFM	ø5"	5' 2 1/2"	13
0.226 inV	4503 FPM	393 CFM	ø4"	3' 8"	14
0.748 inW	4503 FPM	393 CFM	ø4"	5' 8 1/2"	15
-0.135 inV	4501 FPM	1571 CFM	ø8"	4' 11 1/4"	16
0.226 inW	4503 FPM	393 CFM	ø4"	3' 8"	17
1.139 inW	4503 FPM	393 CFM	ø4"	5' 8 1/2"	18
-0.129 inW	4501 FPM	1571 CFM	ø8"	5' 2"	19
0.226 inW	4503 FPM	393 CFM	ø4"	3' 8"	20
1.139 inW	4503 FPM	393 CFM	ø4"	5' 8 1/2"	21
-0.143 inW	4501 FPM	1571 CFM	ø8"	4' 7 3/4"	22
0.226 inW	4503 FPM	393 CFM	ø4"	3' 8"	23
1.139 inW	4503 FPM	393 CFM	ø4"	5' 8 1/2"	24
-0.153 inV	4501 FPM	1571 CFM	ø8"	4' 3 1/4"	25
0.226 inV	4503 FPM	393 CFM	ø4"	3' 8"	26
1.139 inW	4503 FPM	393 CFM	ø4"	5' 8 1/2"	27
-0.106 inW	4501 FPM	1571 CFM	ø8"	6' 1"	28
0.251 inV	4503 FPM	393 CFM	ø4"	4' 1"	29
1.114 inW	4503 FPM	393 CFM	ø4"	5' 3 1/2"	30
0.279 inW	4501 FPM	1571 CFM	ø8"	10' 9 1/4"	31
0.383 inV	4501 FPM	1571 CFM	ø8"	3' 3"	32
0.407 inW	4501 FPM	1571 CFM	ø8"	4' 2"	33
0.391 inW	4503 FPM	393 CFM	ø4"	6' 4 1/4"	34
0.344 inV	4503 FPM	393 CFM	ø4"	3' 1/4"	35
0.194 inW	4412 FPM	1179 CFM	ø7"	6' 7"	36

37	5' 10 ³⁄₄"	ø7"	1179 CFM	4412 FPM	0.367 inWC
38	5' 10 1/2"	ø8"	1571 CFM	4501 FPM	0.152 inWC
39	1' 8"	ø8"	1571 CFM	4501 FPM	0.342 inWC

Fan Results		
System	Fan Volume	Fan Pressure Requirements
1	1571 CFM	7.725 inWC

Order of Install

1 Cable Hanger, 15 ft., ø8 1 59" Pipe Length, ø8, cut to L=6" (Leftover goes in section 16) 1 90" Elbow, 1.5xD, ø8 1 Adjustable sleeve, ø8 1 59" Pipe Length, ø8, cut to L=47 ½" (Leftover is not used) 1 45" Lateral Branch, ø8-ø8-ø7 1 Adjustable sleeve, ø7 1 59" Pipe Length, ø7, cut to L=50 ¼" (Leftover is not used) 1 45" Elbow, 1.5xD, ø7 1 Cable Hanger, 15 ft., ø7 1 Adjustable sleeve, ø7 1 59" Pipe Length, ø7, cut to L=53" (Leftover is not used) 1 45" Lateral Branch, ø7-ø5-ø4 1 Adjustable sleeve, ø8 1 Cut Pipe Length, ø8, L=19" (Leftover from section 32) 1 90" Elbow, 1.5xD, ø8 1 Cable Hanger, 15 ft., ø8 1 Adjustable sleeve, ø8 1 59" Pipe Length, ø8, cut to L=11" (Leftover goes in section 33) 1 90" Elbow, 1.5xD, ø8 2 Cable Hanger, 15 ft., ø8 1 Adjustable sleeve, ø8 1 59" Pipe Length, ø8, cut to L=36 ¾" (Leftover is not used) 1 59" Pipe Length, ø8, cut to L=36 ¾" (Leftover is not used) 1 59" Pipe Length, ø8, cut to L=36 ¾" (Leftover is not used) 1 59" Pipe Length, ø8, cut to L=53" (Leftover is not used) 1 45" Lateral Branch, ø8-ø8-ø4 1 Cable Hanger, 15 ft., ø8 1 Adjustable sleeve, ø8 1 59" Pipe Length, ø8, cut to L=53" (Leftover is not used) 1 45" Lateral Branch, ø8-ø8-ø4 1 Cable Hanger, 15 ft., ø8 1 Adjustable sleeve, ø8 1 59" Pipe Length, ø8, cut to L=31 ¼" (Leftover is not used) 1 45" Lateral Branch, ø8-ø8-ø4 1 Cable Hanger, 15 ft., ø8 1 Adjustable sleeve, ø8 1 59" Pipe Length, ø8, cut to L=31 ¼" (Leftover is not used) 1 45" Lateral Branch, ø8-ø8-ø4 1 Cable Hanger, 15 ft., ø8 1 Adjustable sleeve, ø8 1 59" Pipe Length, ø8, cut to L=35 ¾" (Leftover is not used) 1 45" Lateral Branch, ø8-ø8-ø4 1 Cable Hanger, 15 ft., ø8 1 Adjustable sleeve, ø8 1 59" Pipe Length, ø8, cut to L=35 ¾" (Leftover is not used) 1 45" Lateral Branch, ø8-ø8-ø4	Section	Qty Description
1 90° Elbow, 1.5xD, ø8 1 Adjustable sleeve, ø8 1 59° Pipe Length, ø8, cut to L=47 ½" (Leftover is not used) 1 45° Lateral Branch, ø8-ø8-ø7 1 Adjustable sleeve, ø7 1 59° Pipe Length, ø7, cut to L=50 ¼" (Leftover is not used) 1 45° Elbow, 1.5xD, ø7 1 Cable Hanger, 15 ft., ø7 1 Adjustable sleeve, ø7 1 59° Pipe Length, ø7, cut to L=53" (Leftover is not used) 1 45° Lateral Branch, ø7-ø5-ø4 1 Adjustable sleeve, ø8 1 Cut Pipe Length, ø8, L=19" (Leftover from section 32) 1 90° Elbow, 1.5xD, ø8 1 Cable Hanger, 15 ft., ø8 1 Adjustable sleeve, ø8 1 59° Pipe Length, ø8, cut to L=11" (Leftover goes in section 33) 1 90° Elbow, 1.5xD, ø8 2 Cable Hanger, 15 ft., ø8 1 Adjustable sleeve, ø8 1 59° Pipe Length, ø8, cut to L=36 ¾" (Leftover is not used) 1 59° Pipe Length, ø8, cut to L=36 ¾" (Leftover is not used) 1 59° Pipe Length, ø8, cut to L=53" (Leftover is not used) 1 45° Lateral Branch, ø8-ø8-ø4 1 Cable Hanger, 15 ft., ø8 1 Adjustable sleeve, ø8 1 59° Pipe Length, ø8, cut to L=53" (Leftover is not used) 1 45° Lateral Branch, ø8-ø8-ø4 1 Cable Hanger, 15 ft., ø8 1 Adjustable sleeve, ø8 1 59° Pipe Length, ø8, cut to L=31 ¼" (Leftover is not used) 1 45° Lateral Branch, ø8-ø8-ø4 1 Cable Hanger, 15 ft., ø8 1 Adjustable sleeve, ø8 1 59° Pipe Length, ø8, cut to L=35 ¾" (Leftover is not used) 1 45° Lateral Branch, ø8-ø8-ø4 1 Cable Hanger, 15 ft. ø8 1 Adjustable sleeve, ø8 1 59° Pipe Length, ø8, cut to L=35 ¾" (Leftover is not used) 1 45° Lateral Branch, ø8-ø8-ø4 1 Cable Hanger, 15 ft. ø8 1 Adjustable sleeve, ø8 1 59° Pipe Length, ø8, cut to L=35 ¾" (Leftover is not used) 1 45° Lateral Branch, ø8-ø8-ø4	39 T	1 Cable Hanger, 15 ft., ø8
1 Adjustable sleeve, ø8 1 59" Pipe Length, ø8, cut to L=47 ½" (Leftover is not used) 1 45° Lateral Branch, ø8-ø8-ø7 1 Adjustable sleeve, ø7 1 59" Pipe Length, ø7, cut to L=50 ¼" (Leftover is not used) 1 45° Elbow, 1.5xD, ø7 1 Cable Hanger, 15 ft., ø7 1 Adjustable sleeve, ø7 1 59" Pipe Length, ø7, cut to L=53" (Leftover is not used) 1 45° Lateral Branch, ø7-ø5-ø4 1 Adjustable sleeve, ø8 1 Cut Pipe Length, ø8, L=19" (Leftover from section 32) 1 90° Elbow, 1.5xD, ø8 1 Cable Hanger, 15 ft., ø8 1 Adjustable sleeve, ø8 1 59" Pipe Length, ø8, cut to L=11" (Leftover goes in section 33) 1 90° Elbow, 1.5xD, ø8 2 Cable Hanger, 15 ft., ø8 1 Adjustable sleeve, ø8 1 59" Pipe Length, ø8, cut to L=36 ¾" (Leftover is not used) 1 59" Pipe Length, ø8, cut to L=36 ¾" (Leftover is not used) 1 59" Pipe Length, ø8 1 45° Lateral Branch, ø8-ø8-ø4 1 Cable Hanger, 15 ft., ø8 1 Adjustable sleeve, ø8 1 59" Pipe Length, ø8, cut to L=53" (Leftover is not used) 1 45° Lateral Branch, ø8-ø8-ø4 1 Cable Hanger, 15 ft., ø8 1 Adjustable sleeve, ø8 1 59" Pipe Length, ø8, cut to L=31 ¼" (Leftover is not used) 1 45° Lateral Branch, ø8-ø8-ø-ø4 1 Cable Hanger, 15 ft., ø8 1 Adjustable sleeve, ø8 1 59" Pipe Length, ø8, cut to L=31 ¼" (Leftover is not used) 1 45° Lateral Branch, ø8-ø8-ø-ø4 1 Cable Hanger, 15 ft., ø8 1 Adjustable sleeve, ø8 1 59" Pipe Length, ø8, cut to L=35 ¾" (Leftover is not used) 1 45° Lateral Branch, ø8-ø8-ø-ø4 1 Cable Hanger, 15 ft., ø8 1 Adjustable sleeve, ø8 1 59" Pipe Length, ø8, cut to L=35 ¾" (Leftover is not used) 1 45° Lateral Branch, ø8-ø8-ø-ø4 1 Cable Hanger, 15 ft., ø8 1 Adjustable sleeve, ø8 1 59" Pipe Length, ø8, cut to L=35 ¾" (Leftover is not used)	39 T	1 59" Pipe Length, Ø8, cut to L=6" (Leftover goes in section 16)
1 59" Pipe Length, ø8, cut to L=47 1/2" (Leftover is not used) 1 45" Lateral Branch, ø8-ø8-ø7 1 Adjustable sleeve, ø7 1 59" Pipe Length, ø7, cut to L=50 1/4" (Leftover is not used) 1 45" Elbow, 1.5xD, ø7 1 Cable Hanger, 15 ft., ø7 1 Adjustable sleeve, ø7 1 59" Pipe Length, ø7, cut to L=53" (Leftover is not used) 1 45" Lateral Branch, ø7-ø5-ø4 1 Adjustable sleeve, ø8 1 Cut Pipe Length, ø8, L=19" (Leftover from section 32) 1 90" Elbow, 1.5xD, ø8 1 Cable Hanger, 15 ft., ø8 1 Adjustable sleeve, ø8 1 59" Pipe Length, ø8, cut to L=11" (Leftover goes in section 33) 1 90" Elbow, 1.5xD, ø8 2 Cable Hanger, 15 ft., ø8 1 Adjustable sleeve, ø8 1 59" Pipe Length, ø8, cut to L=36 3/4" (Leftover is not used) 1 59" Pipe Length, ø8, cut to L=36 3/4" (Leftover is not used) 1 59" Pipe Length, ø8, cut to L=53" (Leftover is not used) 1 45" Lateral Branch, ø8-ø8-ø4 1 Cable Hanger, 15 ft., ø8 1 Adjustable sleeve, ø8 1 59" Pipe Length, ø8, cut to L=53" (Leftover is not used) 1 45" Lateral Branch, ø8-ø8-ø4 1 Cable Hanger, 15 ft., ø8 1 Adjustable sleeve, ø8 1 59" Pipe Length, ø8, cut to L=31 1/4" (Leftover is not used) 1 45" Lateral Branch, ø8-ø8-ø4 1 Cable Hanger, 15 ft., ø8 1 Adjustable sleeve, ø8 1 59" Pipe Length, ø8, cut to L=35 3/4" (Leftover is not used) 1 45" Lateral Branch, ø8-ø8-ø4 1 Cable Hanger, 15 ft., ø8 1 Adjustable sleeve, ø8 1 59" Pipe Length, ø8, cut to L=35 3/4" (Leftover is not used) 1 45" Lateral Branch, ø8-ø8-ø4 1 Cable Hanger, 15 ft., ø8 1 Adjustable sleeve, ø8 1 59" Pipe Length, ø8, cut to L=35 3/4" (Leftover is not used) 1 45" Lateral Branch, ø8-ø8-ø4	39 T	1 90° Elbow, 1.5xD, ø8
1 45° Lateral Branch, ø8-ø8-ø7 1 Adjustable sleeve, ø7 1 59" Pipe Length, ø7, cut to L=50 ¼" (Leftover is not used) 1 45° Elbow, 1.5xD, ø7 1 Cable Hanger, 15 ft., ø7 1 Adjustable sleeve, ø7 1 59" Pipe Length, ø7, cut to L=53" (Leftover is not used) 1 45° Lateral Branch, ø7-ø8-ø4 1 Adjustable sleeve, ø8 1 Cut Pipe Length, ø8, L=19" (Leftover from section 32) 1 90° Elbow, 1.5xD, ø8 1 Cable Hanger, 15 ft., ø8 1 Adjustable sleeve, ø8 1 59" Pipe Length, ø8, cut to L=11" (Leftover goes in section 33) 1 90° Elbow, 1.5xD, ø8 2 Cable Hanger, 15 ft., ø8 1 Adjustable sleeve, ø8 1 59" Pipe Length, ø8, cut to L=36 ¾" (Leftover is not used) 1 59" Pipe Length, ø8, cut to L=36 ¾" (Leftover is not used) 1 59" Pipe Length, ø8, cut to L=53" (Leftover is not used) 1 45° Lateral Branch, ø8-ø8-ø4 1 Cable Hanger, 15 ft., ø8 1 Adjustable sleeve, ø8 1 59" Pipe Length, ø8, cut to L=53" (Leftover is not used) 1 45° Lateral Branch, ø8-ø8-ø4 1 Cable Hanger, 15 ft., ø8 1 Adjustable sleeve, ø8 1 59" Pipe Length, ø8, cut to L=31 ¼" (Leftover is not used) 1 45° Lateral Branch, ø8-ø8-ø4 1 Cable Hanger, 15 ft., ø8 1 Adjustable sleeve, ø8 1 59" Pipe Length, ø8, cut to L=35 ¾" (Leftover is not used) 1 45° Lateral Branch, ø8-ø8-ø4 1 Cable Hanger, 15 ft., ø8 1 Adjustable sleeve, ø8 1 59" Pipe Length, ø8, cut to L=35 ¾" (Leftover is not used) 1 45° Lateral Branch, ø8-ø8-ø4 1 Cable Hanger, 15 ft., ø8 1 Adjustable sleeve, ø8 1 59" Pipe Length, ø8, cut to L=35 ¾" (Leftover is not used) 1 45° Lateral Branch, ø8-ø8-ø4	38 T	1 Adjustable sleeve, ø8
1 Adjustable sleeve, ø7 1 59" Pipe Length, ø7, cut to L=50 ¼" (Leftover is not used) 1 45° Elbow, 1.5xD, ø7 1 Cable Hanger, 15 ft., ø7 1 Adjustable sleeve, ø7 1 59" Pipe Length, ø7, cut to L=53" (Leftover is not used) 1 45° Lateral Branch, ø7-ø5-ø4 1 Adjustable sleeve, ø8 1 Cut Pipe Length, ø8, L=19" (Leftover from section 32) 1 90° Elbow, 1.5xD, ø8 1 Cable Hanger, 15 ft., ø8 1 Adjustable sleeve, ø8 1 59" Pipe Length, ø8, cut to L=11" (Leftover goes in section 33) 1 90° Elbow, 1.5xD, ø8 2 Cable Hanger, 15 ft., ø8 1 Adjustable sleeve, ø8 1 59" Pipe Length, ø8, cut to L=36 ¾" (Leftover is not used) 1 59" Pipe Length, ø8, cut to L=36 ¾" (Leftover is not used) 1 59" Pipe Length, ø8, cut to L=53" (Leftover is not used) 1 45° Lateral Branch, ø8-ø8-ø4 1 Cable Hanger, 15 ft., ø8 1 Adjustable sleeve, ø8 1 59" Pipe Length, ø8, cut to L=53" (Leftover is not used) 1 45° Lateral Branch, ø8-ø8-ø4 1 Cable Hanger, 15 ft., ø8 1 Adjustable sleeve, ø8 1 59" Pipe Length, ø8, cut to L=31 ¼" (Leftover is not used) 1 45° Lateral Branch, ø8-ø8-ø4 1 Cable Hanger, 15 ft., ø8 1 Adjustable sleeve, ø8 1 59" Pipe Length, ø8, cut to L=35 ¾" (Leftover is not used) 1 45° Lateral Branch, ø8-ø8-ø4 1 Cable Hanger, 15 ft., ø8 1 Adjustable sleeve, ø8 1 59" Pipe Length, ø8, cut to L=35 ¾" (Leftover is not used) 1 45° Lateral Branch, ø8-ø8-ø4 1 Cable Hanger, 15 ft., ø8 1 Adjustable sleeve, ø8 1 59" Pipe Length, ø8, cut to L=35 ¾" (Leftover is not used) 1 45° Lateral Branch, ø8-ø8-ø4	38 T	1 59" Pipe Length, Ø8, cut to L=47 1/2" (Leftover is not used)
1 59" Pipe Length, Ø7, cut to L=50 1/4" (Leftover is not used) 1 45° Elbow, 1.5xD, Ø7 1 Cable Hanger, 15 ft., Ø7 1 Adjustable sleeve, Ø7 1 59" Pipe Length, Ø7, cut to L=53" (Leftover is not used) 1 45° Lateral Branch, Ø7-Ø5-Ø4 1 Adjustable sleeve, Ø8 1 Cut Pipe Length, Ø8, L=19" (Leftover from section 32) 1 90° Elbow, 1.5xD, Ø8 1 Cable Hanger, 15 ft., Ø8 1 Adjustable sleeve, Ø8 1 59" Pipe Length, Ø8, cut to L=11" (Leftover goes in section 33) 1 90° Elbow, 1.5xD, Ø8 2 Cable Hanger, 15 ft., Ø8 1 Adjustable sleeve, Ø8 1 59" Pipe Length, Ø8, cut to L=36 ¾" (Leftover is not used) 1 59" Pipe Length, Ø8 2 Kable Hanger, 15 ft., Ø8 3 Adjustable sleeve, Ø8 3 S9" Pipe Length, Ø8, cut to L=53" (Leftover is not used) 4 5° Lateral Branch, Ø8-Ø8-Ø4 1 Cable Hanger, 15 ft., Ø8 1 Adjustable sleeve, Ø8 1 59" Pipe Length, Ø8, cut to L=31 1/4" (Leftover is not used) 1 45° Lateral Branch, Ø8-Ø8-Ø4 1 Cable Hanger, 15 ft., Ø8 1 Adjustable sleeve, Ø8 1 59" Pipe Length, Ø8, cut to L=31 1/4" (Leftover is not used) 1 45° Lateral Branch, Ø8-Ø8-Ø4 1 Cable Hanger, 15 ft., Ø8 1 Adjustable sleeve, Ø8 1 59" Pipe Length, Ø8, cut to L=35 ¾" (Leftover is not used) 1 45° Lateral Branch, Ø8-Ø8-Ø4 1 Cable Hanger, 15 ft., Ø8 1 Adjustable sleeve, Ø8 1 59" Pipe Length, Ø8, cut to L=35 ¾" (Leftover is not used) 1 45° Lateral Branch, Ø8-Ø8-Ø4 1 Cable Hanger, 15 ft., Ø8 1 Adjustable sleeve, Ø8 1 59" Pipe Length, Ø8, cut to L=42" (Leftover is not used)	38 T	1 45° Lateral Branch, ø8-ø8-ø7
1 45° Elbow, 1.5xD, ø7 1 Cable Hanger, 15 ft., ø7 1 Adjustable sleeve, ø7 1 59" Pipe Length, ø7, cut to L=53" (Leftover is not used) 1 45° Lateral Branch, ø7-ø5-ø4 1 Adjustable sleeve, ø8 1 Cut Pipe Length, ø8, L=19" (Leftover from section 32) 1 90° Elbow, 1.5xD, ø8 1 Cable Hanger, 15 ft., ø8 1 Adjustable sleeve, ø8 1 59" Pipe Length, ø8, cut to L=11" (Leftover goes in section 33) 1 90° Elbow, 1.5xD, ø8 2 Cable Hanger, 15 ft., ø8 1 Adjustable sleeve, ø8 1 59" Pipe Length, ø8, cut to L=36 ¾" (Leftover is not used) 1 59" Pipe Length, ø8, cut to L=36 ¾" (Leftover is not used) 1 59" Pipe Length, ø8, cut to L=36 ¾" (Leftover is not used) 1 59" Pipe Length, ø8, cut to L=53" (Leftover is not used) 1 45° Lateral Branch, ø8-ø8-ø4 1 Cable Hanger, 15 ft., ø8 1 Adjustable sleeve, ø8 1 59" Pipe Length, ø8, cut to L=31 ¼" (Leftover is not used) 1 45° Lateral Branch, ø8-ø8-ø4 1 Cable Hanger, 15 ft., ø8 1 Adjustable sleeve, ø8 1 59" Pipe Length, ø8, cut to L=31 ¼" (Leftover is not used) 1 45° Lateral Branch, ø8-ø8-ø4 1 Cable Hanger, 15 ft., ø8 1 Adjustable sleeve, ø8 1 59" Pipe Length, ø8, cut to L=35 ¾" (Leftover is not used) 1 45° Lateral Branch, ø8-ø8-ø4 1 Cable Hanger, 15 ft., ø8 1 Adjustable sleeve, ø8 1 59" Pipe Length, ø8, cut to L=35 ¾" (Leftover is not used) 1 45° Lateral Branch, ø8-ø8-ø4 1 Cable Hanger, 15 ft., ø8 1 Adjustable sleeve, ø8 1 59" Pipe Length, ø8, cut to L=42" (Leftover is not used)	37 T	1 Adjustable sleeve, ø7
1 Cable Hanger, 15 ft., ø7 1 Adjustable sleeve, ø7 1 59" Pipe Length, ø7, cut to L=53" (Leftover is not used) 1 45° Lateral Branch, ø7-ø5-ø4 1 Adjustable sleeve, ø8 1 Cut Pipe Length, ø8, L=19" (Leftover from section 32) 1 90° Elbow, 1.5xD, ø8 1 Cable Hanger, 15 ft., ø8 1 Adjustable sleeve, ø8 1 59" Pipe Length, ø8, cut to L=11" (Leftover goes in section 33) 1 90° Elbow, 1.5xD, ø8 2 Cable Hanger, 15 ft., ø8 1 Adjustable sleeve, ø8 1 59" Pipe Length, ø8, cut to L=36 ¾" (Leftover is not used) 1 59" Pipe Length, ø8 1 45° Lateral Branch, ø8-ø8-ø4 1 Cable Hanger, 15 ft., ø8 1 Adjustable sleeve, ø8 1 59" Pipe Length, ø8, cut to L=53" (Leftover is not used) 1 45° Lateral Branch, ø8-ø8-ø4 1 Cable Hanger, 15 ft., ø8 1 Adjustable sleeve, ø8 1 59" Pipe Length, ø8, cut to L=31 ¼" (Leftover is not used) 1 45° Lateral Branch, ø8-ø8-ø4 1 Cable Hanger, 15 ft., ø8 1 Adjustable sleeve, ø8 1 59" Pipe Length, ø8, cut to L=35 ¾" (Leftover is not used) 1 45° Lateral Branch, ø8-ø8-ø4 1 Cable Hanger, 15 ft., ø8 1 Adjustable sleeve, ø8 1 59" Pipe Length, ø8, cut to L=35 ¾" (Leftover is not used) 1 45° Lateral Branch, ø8-ø8-ø4 1 Cable Hanger, 15 ft., ø8 1 Adjustable sleeve, ø8 1 59" Pipe Length, ø8, cut to L=35 ¾" (Leftover is not used)	37 T	1 59" Pipe Length, Ø7, cut to L=50 1/4" (Leftover is not used)
1 Adjustable sleeve, ø7 1 59" Pipe Length, ø7, cut to L=53" (Leftover is not used) 1 45° Lateral Branch, ø7-ø5-ø4 1 Adjustable sleeve, ø8 1 Cut Pipe Length, ø8, L=19" (Leftover from section 32) 1 90° Elbow, 1.5xD, ø8 1 Cable Hanger, 15 ft., ø8 1 Adjustable sleeve, ø8 1 59" Pipe Length, ø8, cut to L=11" (Leftover goes in section 33) 1 90° Elbow, 1.5xD, ø8 2 Cable Hanger, 15 ft., ø8 1 Adjustable sleeve, ø8 1 59" Pipe Length, ø8, cut to L=36 ¾" (Leftover is not used) 1 59" Pipe Length, ø8 1 45° Lateral Branch, ø8-ø8-ø4 1 Cable Hanger, 15 ft., ø8 1 Adjustable sleeve, ø8 1 59" Pipe Length, ø8, cut to L=53" (Leftover is not used) 1 45° Lateral Branch, ø8-ø8-ø4 1 Cable Hanger, 15 ft., ø8 1 Adjustable sleeve, ø8 1 59" Pipe Length, ø8, cut to L=31 ¼" (Leftover is not used) 1 45° Lateral Branch, ø8-ø8-ø4 1 Cable Hanger, 15 ft., ø8 1 Adjustable sleeve, ø8 1 59" Pipe Length, ø8, cut to L=35 ¾" (Leftover is not used) 1 45° Lateral Branch, ø8-ø8-ø4 1 Cable Hanger, 15 ft., ø8 1 Adjustable sleeve, ø8 1 59" Pipe Length, ø8, cut to L=35 ¾" (Leftover is not used) 1 45° Lateral Branch, ø8-ø8-ø4 1 Cable Hanger, 15 ft., ø8 1 Adjustable sleeve, ø8 1 59" Pipe Length, ø8, cut to L=35 ¾" (Leftover is not used) 1 45° Lateral Branch, ø8-ø8-ø4 1 Cable Hanger, 15 ft., ø8 1 Adjustable sleeve, ø8 1 59" Pipe Length, ø8, cut to L=42" (Leftover is not used)	37 T	1 45° Elbow, 1.5xD, ø7
1 59" Pipe Length, Ø7, cut to L=53" (Leftover is not used) 1 45° Lateral Branch, Ø7-ø5-ø4 1 Adjustable sleeve, Ø8 1 Cut Pipe Length, Ø8, L=19" (Leftover from section 32) 1 90° Elbow, 1.5xD, Ø8 1 Cable Hanger, 15 ft, Ø8 1 Adjustable sleeve, Ø8 1 59" Pipe Length, Ø8, cut to L=11" (Leftover goes in section 33) 1 90° Elbow, 1.5xD, Ø8 2 Cable Hanger, 15 ft, Ø8 1 Adjustable sleeve, Ø8 1 59" Pipe Length, Ø8, cut to L=36 ¾" (Leftover is not used) 1 59" Pipe Length, Ø8 1 45° Lateral Branch, Ø8-Ø8-Ø4 1 Cable Hanger, 15 ft, Ø8 1 Adjustable sleeve, Ø8 1 59" Pipe Length, Ø8, cut to L=53" (Leftover is not used) 1 45° Lateral Branch, Ø8-Ø8-Ø4 1 Cable Hanger, 15 ft, Ø8 1 Adjustable sleeve, Ø8 1 59" Pipe Length, Ø8, cut to L=31 ¼" (Leftover is not used) 1 45° Lateral Branch, Ø8-Ø8-Ø4 1 Cable Hanger, 15 ft, Ø8 1 Adjustable sleeve, Ø8 1 59" Pipe Length, Ø8, cut to L=35 ¾" (Leftover is not used) 1 45° Lateral Branch, Ø8-Ø8-Ø4 1 Cable Hanger, 15 ft, Ø8 1 Adjustable sleeve, Ø8 1 59" Pipe Length, Ø8, cut to L=35 ¾" (Leftover is not used) 1 45° Lateral Branch, Ø8-Ø8-Ø4 1 Cable Hanger, 15 ft, Ø8 1 Adjustable sleeve, Ø8 1 59" Pipe Length, Ø8, cut to L=35 ¾" (Leftover is not used) 1 45° Lateral Branch, Ø8-Ø8-Ø4 1 Cable Hanger, 15 ft, Ø8 1 Adjustable sleeve, Ø8 1 59" Pipe Length, Ø8, cut to L=42" (Leftover is not used) 1 45° Lateral Branch, Ø8-Ø8-Ø4	36 T	1 Cable Hanger, 15 ft., ø7
1 45° Lateral Branch, Ø7-ø5-ø4 1 Adjustable sleeve, Ø8 1 Cut Pipe Length, Ø8, L=19" (Leftover from section 32) 1 90° Elbow, 1.5xD, Ø8 1 Cable Hanger, 15 ft, Ø8 1 Adjustable sleeve, Ø8 1 59" Pipe Length, Ø8, cut to L=11" (Leftover goes in section 33) 1 90° Elbow, 1.5xD, Ø8 2 Cable Hanger, 15 ft, Ø8 1 Adjustable sleeve, Ø8 1 59" Pipe Length, Ø8, cut to L=36 ¾" (Leftover is not used) 1 59" Pipe Length, Ø8 1 45° Lateral Branch, Ø8-ø8-ø4 1 Cable Hanger, 15 ft, Ø8 1 Adjustable sleeve, Ø8 1 59" Pipe Length, Ø8, cut to L=53" (Leftover is not used) 1 45° Lateral Branch, Ø8-ø8-ø4 1 Cable Hanger, 15 ft, Ø8 1 Adjustable sleeve, Ø8 1 59" Pipe Length, Ø8, cut to L=31 ¼" (Leftover is not used) 1 45° Lateral Branch, Ø8-Ø8-Ø4 1 Cable Hanger, 15 ft, Ø8 1 Adjustable sleeve, Ø8 1 59" Pipe Length, Ø8, cut to L=35 ¾" (Leftover is not used) 1 45° Lateral Branch, Ø8-Ø8-Ø4 1 Cable Hanger, 15 ft, Ø8 1 Adjustable sleeve, Ø8 1 59" Pipe Length, Ø8, cut to L=35 ¾" (Leftover is not used) 1 45° Lateral Branch, Ø8-Ø8-Ø4 1 Cable Hanger, 15 ft, Ø8 1 Adjustable sleeve, Ø8 1 59" Pipe Length, Ø8, cut to L=35 ¾" (Leftover is not used) 1 45° Lateral Branch, Ø8-Ø8-Ø4 1 Cable Hanger, 15 ft, Ø8 1 Adjustable sleeve, Ø8 1 59" Pipe Length, Ø8, cut to L=42" (Leftover is not used) 1 45° Lateral Branch, Ø8-Ø8-Ø4	36 T	1 Adjustable sleeve, ø7
1 Adjustable sleeve, ø8 1 Cut Pipe Length, ø8, L=19" (Leftover from section 32) 1 90° Elbow, 1.5xD, ø8 1 Cable Hanger, 15 ft., ø8 1 Adjustable sleeve, ø8 1 59" Pipe Length, ø8, cut to L=11" (Leftover goes in section 33) 1 90° Elbow, 1.5xD, ø8 2 Cable Hanger, 15 ft., ø8 1 Adjustable sleeve, ø8 1 59" Pipe Length, ø8, cut to L=36 ¾" (Leftover is not used) 1 59" Pipe Length, ø8 2 Lateral Branch, ø8-ø8-ø4 1 Cable Hanger, 15 ft., ø8 1 Adjustable sleeve, ø8 1 59" Pipe Length, ø8, cut to L=53" (Leftover is not used) 1 45° Lateral Branch, ø8-ø8-ø4 1 Cable Hanger, 15 ft., ø8 1 Adjustable sleeve, ø8 1 59" Pipe Length, ø8, cut to L=31 ¼" (Leftover is not used) 1 45° Lateral Branch, ø8-ø8-ø4 1 Cable Hanger, 15 ft., ø8 1 Adjustable sleeve, ø8 1 59" Pipe Length, ø8, cut to L=31 ¼" (Leftover is not used) 1 45° Lateral Branch, ø8-ø8-ø4 1 Cable Hanger, 15 ft., ø8 1 Adjustable sleeve, ø8 1 59" Pipe Length, ø8, cut to L=35 ¾" (Leftover is not used) 1 45° Lateral Branch, ø8-ø8-ø4 1 Cable Hanger, 15 ft., ø8 1 Adjustable sleeve, ø8 1 59" Pipe Length, ø8, cut to L=35 ¾" (Leftover is not used) 1 45° Lateral Branch, ø8-ø8-ø4 1 Cable Hanger, 15 ft., ø8 1 Adjustable sleeve, ø8 1 59" Pipe Length, ø8, cut to L=42" (Leftover is not used) 1 45° Lateral Branch, ø8-ø8-ø4	36 T	1 59" Pipe Length, Ø7, cut to L=53" (Leftover is not used)
1 Cut Pipe Length, ø8, L=19" (Leftover from section 32) 1 90° Elbow, 1.5xD, ø8 1 Cable Hanger, 15 ft., ø8 1 Adjustable sleeve, ø8 1 59" Pipe Length, ø8, cut to L=11" (Leftover goes in section 33) 1 90° Elbow, 1.5xD, ø8 2 Cable Hanger, 15 ft., ø8 1 Adjustable sleeve, ø8 1 59" Pipe Length, ø8, cut to L=36 ¾" (Leftover is not used) 1 59" Pipe Length, ø8 1 45° Lateral Branch, ø8-ø8-ø4 1 Cable Hanger, 15 ft., ø8 1 Adjustable sleeve, ø8 1 59" Pipe Length, ø8, cut to L=53" (Leftover is not used) 1 45° Lateral Branch, ø8-ø8-ø4 1 Cable Hanger, 15 ft., ø8 1 Adjustable sleeve, ø8 1 59" Pipe Length, ø8, cut to L=31 ¼" (Leftover is not used) 1 45° Lateral Branch, ø8-ø8-ø4 1 Cable Hanger, 15 ft., ø8 1 Adjustable sleeve, ø8 1 59" Pipe Length, ø8, cut to L=35 ¾" (Leftover is not used) 1 45° Lateral Branch, ø8-ø8-ø4 1 Cable Hanger, 15 ft., ø8 1 Adjustable sleeve, ø8 1 59" Pipe Length, ø8, cut to L=35 ¾" (Leftover is not used) 1 45° Lateral Branch, ø8-ø8-ø4 1 Cable Hanger, 15 ft., ø8 1 Adjustable sleeve, ø8 1 59" Pipe Length, ø8, cut to L=42" (Leftover is not used) 1 45° Lateral Branch, ø8-ø8-ø4	36 T	1 45° Lateral Branch, ø7-ø5-ø4
1 90° Elbow, 1.5xD, ø8 1 Cable Hanger, 15 ft., ø8 1 Adjustable sleeve, ø8 1 59" Pipe Length, ø8, cut to L=11" (Leftover goes in section 33) 1 90° Elbow, 1.5xD, ø8 2 Cable Hanger, 15 ft., ø8 1 Adjustable sleeve, ø8 1 59" Pipe Length, ø8, cut to L=36 ³/4" (Leftover is not used) 1 59" Pipe Length, ø8 1 45° Lateral Branch, ø8-ø8-ø4 1 Cable Hanger, 15 ft., ø8 1 Adjustable sleeve, ø8 1 59" Pipe Length, ø8, cut to L=53" (Leftover is not used) 1 45° Lateral Branch, ø8-ø8-ø4 1 Cable Hanger, 15 ft., ø8 1 Adjustable sleeve, ø8 1 59" Pipe Length, ø8, cut to L=31 ¹/4" (Leftover is not used) 1 45° Lateral Branch, ø8-ø8-ø4 1 Cable Hanger, 15 ft., ø8 1 Adjustable sleeve, ø8 1 59" Pipe Length, ø8, cut to L=35 ³/4" (Leftover is not used) 1 45° Lateral Branch, ø8-ø8-ø4 1 Cable Hanger, 15 ft., ø8 1 Adjustable sleeve, ø8 1 59" Pipe Length, ø8, cut to L=35 ³/4" (Leftover is not used) 1 45° Lateral Branch, ø8-ø8-ø4 1 Cable Hanger, 15 ft., ø8 1 Adjustable sleeve, ø8 1 59" Pipe Length, ø8, cut to L=42" (Leftover is not used) 1 45° Lateral Branch, ø8-ø8-ø4	33 T	1 Adjustable sleeve, ø8
1 Cable Hanger, 15 ft., ø8 1 Adjustable sleeve, ø8 1 59" Pipe Length, ø8, cut to L=11" (Leftover goes in section 33) 1 90° Elbow, 1.5xD, ø8 2 Cable Hanger, 15 ft., ø8 1 Adjustable sleeve, ø8 1 59" Pipe Length, ø8, cut to L=36 ¾" (Leftover is not used) 1 59" Pipe Length, ø8 2 Cable Hanger, 15 ft., ø8 3 Adjustable sleeve, ø8 4 S9" Pipe Length, ø8, cut to L=53" (Leftover is not used) 4 S9" Pipe Length, ø8, cut to L=53" (Leftover is not used) 4 45° Lateral Branch, ø8-ø8-ø4 1 Cable Hanger, 15 ft., ø8 1 Adjustable sleeve, ø8 1 S9" Pipe Length, ø8, cut to L=31 ¼" (Leftover is not used) 1 45° Lateral Branch, ø8-ø8-ø4 1 Cable Hanger, 15 ft., ø8 1 Adjustable sleeve, ø8 1 S9" Pipe Length, ø8, cut to L=35 ¾" (Leftover is not used) 1 45° Lateral Branch, ø8-ø8-ø4 1 Cable Hanger, 15 ft., ø8 1 Adjustable sleeve, ø8 1 S9" Pipe Length, ø8, cut to L=35 ¾" (Leftover is not used) 1 45° Lateral Branch, ø8-ø8-ø4 1 Cable Hanger, 15 ft., ø8 1 Adjustable sleeve, ø8 1 S9" Pipe Length, ø8, cut to L=42" (Leftover is not used) 1 45° Lateral Branch, ø8-ø8-ø4	33 T	1 Cut Pipe Length, ø8, L=19" (Leftover from section 32)
1 Adjustable sleeve, ø8 1 59" Pipe Length, ø8, cut to L=11" (Leftover goes in section 33) 1 90° Elbow, 1.5xD, ø8 2 Cable Hanger, 15 ft., ø8 1 Adjustable sleeve, ø8 1 59" Pipe Length, ø8, cut to L=36 ¾" (Leftover is not used) 1 59" Pipe Length, ø8 1 45° Lateral Branch, ø8-ø8-ø4 1 Cable Hanger, 15 ft., ø8 1 Adjustable sleeve, ø8 1 59" Pipe Length, ø8, cut to L=53" (Leftover is not used) 1 45° Lateral Branch, ø8-ø8-ø4 1 Cable Hanger, 15 ft., ø8 1 Adjustable sleeve, ø8 1 59" Pipe Length, ø8, cut to L=31 ¼" (Leftover is not used) 1 45° Lateral Branch, ø8-ø8-ø4 1 Cable Hanger, 15 ft., ø8 1 Adjustable sleeve, ø8 1 59" Pipe Length, ø8, cut to L=35 ¾" (Leftover is not used) 1 45° Lateral Branch, ø8-ø8-ø4 1 Cable Hanger, 15 ft., ø8 1 Adjustable sleeve, ø8 1 59" Pipe Length, ø8, cut to L=35 ¾" (Leftover is not used) 1 45° Lateral Branch, ø8-ø8-ø4 1 Cable Hanger, 15 ft., ø8 1 Adjustable sleeve, ø8 1 59" Pipe Length, ø8, cut to L=42" (Leftover is not used) 1 45° Lateral Branch, ø8-ø8-ø4	33 T	1 90° Elbow, 1.5xD, ø8
1 59" Pipe Length, ø8, cut to L=11" (Leftover goes in section 33) 1 90° Elbow, 1.5xD, ø8 2 Cable Hanger, 15 ft., ø8 1 Adjustable sleeve, ø8 1 59" Pipe Length, ø8, cut to L=36 ¾" (Leftover is not used) 1 59" Pipe Length, ø8 1 45° Lateral Branch, ø8-ø8-ø4 1 Cable Hanger, 15 ft., ø8 1 Adjustable sleeve, ø8 1 59" Pipe Length, ø8, cut to L=53" (Leftover is not used) 1 45° Lateral Branch, ø8-ø8-ø4 1 Cable Hanger, 15 ft., ø8 1 Adjustable sleeve, ø8 1 59" Pipe Length, ø8, cut to L=31 ¼" (Leftover is not used) 1 45° Lateral Branch, ø8-ø8-ø4 1 Cable Hanger, 15 ft., ø8 1 Adjustable sleeve, ø8 1 59" Pipe Length, ø8, cut to L=35 ¾" (Leftover is not used) 1 45° Lateral Branch, ø8-ø8-ø4 1 Cable Hanger, 15 ft., ø8 1 Adjustable sleeve, ø8 1 59" Pipe Length, ø8, cut to L=35 ¾" (Leftover is not used) 1 45° Lateral Branch, ø8-ø8-ø4 1 Cable Hanger, 15 ft., ø8 1 Adjustable sleeve, ø8 1 59" Pipe Length, ø8, cut to L=42" (Leftover is not used) 1 45° Lateral Branch, ø8-ø8-ø4	32 T	1 Cable Hanger, 15 ft., ø8
1 90° Elbow, 1.5xD, ø8 2 Cable Hanger, 15 ft., ø8 1 Adjustable sleeve, ø8 1 59" Pipe Length, ø8, cut to L=36 ¾" (Leftover is not used) 1 59" Pipe Length, ø8 1 45° Lateral Branch, ø8-ø8-ø4 1 Cable Hanger, 15 ft., ø8 1 Adjustable sleeve, ø8 1 59" Pipe Length, ø8, cut to L=53" (Leftover is not used) 1 45° Lateral Branch, ø8-ø8-ø4 1 Cable Hanger, 15 ft., ø8 1 Adjustable sleeve, ø8 1 59" Pipe Length, ø8, cut to L=31 ¼" (Leftover is not used) 1 45° Lateral Branch, ø8-ø8-ø4 1 Cable Hanger, 15 ft., ø8 1 Adjustable sleeve, ø8 1 59" Pipe Length, ø8, cut to L=35 ¾" (Leftover is not used) 1 45° Lateral Branch, ø8-ø8-ø4 1 Cable Hanger, 15 ft., ø8 1 Adjustable sleeve, ø8 1 59" Pipe Length, ø8, cut to L=35 ¾" (Leftover is not used) 1 45° Lateral Branch, ø8-ø8-ø4 1 Cable Hanger, 15 ft., ø8 1 Adjustable sleeve, ø8 1 59" Pipe Length, ø8, cut to L=42" (Leftover is not used) 1 45° Lateral Branch, ø8-ø8-ø4	32 T	1 Adjustable sleeve, ø8
1 90° Elbow, 1.5xD, ø8 2 Cable Hanger, 15 ft., ø8 1 Adjustable sleeve, ø8 1 59" Pipe Length, ø8, cut to L=36 ¾" (Leftover is not used) 1 59" Pipe Length, ø8 1 45° Lateral Branch, ø8-ø8-ø4 1 Cable Hanger, 15 ft., ø8 1 Adjustable sleeve, ø8 1 59" Pipe Length, ø8, cut to L=53" (Leftover is not used) 1 45° Lateral Branch, ø8-ø8-ø4 1 Cable Hanger, 15 ft., ø8 1 Adjustable sleeve, ø8 1 59" Pipe Length, ø8, cut to L=31 ¼" (Leftover is not used) 1 45° Lateral Branch, ø8-ø8-ø4 1 Cable Hanger, 15 ft., ø8 1 Adjustable sleeve, ø8 1 59" Pipe Length, ø8, cut to L=35 ¾" (Leftover is not used) 1 45° Lateral Branch, ø8-ø8-ø4 1 Cable Hanger, 15 ft., ø8 1 Adjustable sleeve, ø8 1 59" Pipe Length, ø8, cut to L=35 ¾" (Leftover is not used) 1 45° Lateral Branch, ø8-ø8-ø4 1 Cable Hanger, 15 ft., ø8 1 Adjustable sleeve, ø8 1 59" Pipe Length, ø8, cut to L=42" (Leftover is not used) 1 45° Lateral Branch, ø8-ø8-ø4	32 T	1 59" Pipe Length, Ø8, cut to L=11" (Leftover goes in section 33)
1 Adjustable sleeve, ø8 1 59" Pipe Length, ø8, cut to L=36 ¾" (Leftover is not used) 1 59" Pipe Length, ø8 1 45° Lateral Branch, ø8-ø8-ø4 1 Cable Hanger, 15 ft., ø8 1 Adjustable sleeve, ø8 1 59" Pipe Length, ø8, cut to L=53" (Leftover is not used) 1 45° Lateral Branch, ø8-ø8-ø4 1 Cable Hanger, 15 ft., ø8 1 Adjustable sleeve, ø8 1 59" Pipe Length, ø8, cut to L=31 ¼" (Leftover is not used) 1 45° Lateral Branch, ø8-ø8-ø4 1 Cable Hanger, 15 ft., ø8 1 Adjustable sleeve, ø8 1 59" Pipe Length, ø8, cut to L=35 ¾" (Leftover is not used) 1 45° Lateral Branch, ø8-ø8-ø4 1 Cable Hanger, 15 ft., ø8 1 Adjustable sleeve, ø8 1 59" Pipe Length, ø8, cut to L=35 ¾" (Leftover is not used) 1 45° Lateral Branch, ø8-ø8-ø4 1 Cable Hanger, 15 ft., ø8 1 Adjustable sleeve, ø8 1 59" Pipe Length, ø8, cut to L=42" (Leftover is not used) 1 45° Lateral Branch, ø8-ø8-ø4	32 T	
1 59" Pipe Length, ø8, cut to L=36 ¾" (Leftover is not used) 1 59" Pipe Length, ø8 1 45° Lateral Branch, ø8-ø8-ø4 1 Cable Hanger, 15 ft., ø8 1 Adjustable sleeve, ø8 1 59" Pipe Length, ø8, cut to L=53" (Leftover is not used) 1 45° Lateral Branch, ø8-ø8-ø4 1 Cable Hanger, 15 ft., ø8 1 Adjustable sleeve, ø8 1 59" Pipe Length, ø8, cut to L=31 ¼" (Leftover is not used) 1 45° Lateral Branch, ø8-ø8-ø4 1 Cable Hanger, 15 ft., ø8 1 Adjustable sleeve, ø8 1 59" Pipe Length, ø8, cut to L=35 ¾" (Leftover is not used) 1 45° Lateral Branch, ø8-ø8-ø4 1 Cable Hanger, 15 ft., ø8 1 Adjustable sleeve, ø8 1 59" Pipe Length, ø8, cut to L=42" (Leftover is not used) 1 45° Lateral Branch, ø8-ø8-ø4	31 T	2 Cable Hanger, 15 ft., ø8
1 59" Pipe Length, ø8 1 45° Lateral Branch, ø8-ø8-ø4 1 Cable Hanger, 15 ft., ø8 1 Adjustable sleeve, ø8 1 59" Pipe Length, ø8, cut to L=53" (Leftover is not used) 1 45° Lateral Branch, ø8-ø8-ø4 1 Cable Hanger, 15 ft., ø8 1 Adjustable sleeve, ø8 1 59" Pipe Length, ø8, cut to L=31 ¼" (Leftover is not used) 1 45° Lateral Branch, ø8-ø8-ø4 1 Cable Hanger, 15 ft., ø8 1 Adjustable sleeve, ø8 1 59" Pipe Length, ø8, cut to L=35 ¾" (Leftover is not used) 1 45° Lateral Branch, ø8-ø8-ø4 1 Cable Hanger, 15 ft., ø8 1 Adjustable sleeve, ø8 1 59" Pipe Length, ø8, cut to L=42" (Leftover is not used) 1 45° Lateral Branch, ø8-ø8-ø4	31 T	1 Adjustable sleeve, ø8
1 59" Pipe Length, ø8 1 45° Lateral Branch, ø8-ø8-ø4 1 Cable Hanger, 15 ft., ø8 1 Adjustable sleeve, ø8 1 59" Pipe Length, ø8, cut to L=53" (Leftover is not used) 1 45° Lateral Branch, ø8-ø8-ø4 1 Cable Hanger, 15 ft., ø8 1 Adjustable sleeve, ø8 1 59" Pipe Length, ø8, cut to L=31 ¼" (Leftover is not used) 1 45° Lateral Branch, ø8-ø8-ø4 1 Cable Hanger, 15 ft., ø8 1 Adjustable sleeve, ø8 1 59" Pipe Length, ø8, cut to L=35 ¾" (Leftover is not used) 1 45° Lateral Branch, ø8-ø8-ø4 1 Cable Hanger, 15 ft., ø8 1 Adjustable sleeve, ø8 1 59" Pipe Length, ø8, cut to L=42" (Leftover is not used) 1 45° Lateral Branch, ø8-ø8-ø4	31 T	1 59" Pipe Length, Ø8, cut to L=36 3/4" (Leftover is not used)
1 Cable Hanger, 15 ft., ø8 1 Adjustable sleeve, ø8 1 59" Pipe Length, ø8, cut to L=53" (Leftover is not used) 1 45° Lateral Branch, ø8-ø8-ø4 1 Cable Hanger, 15 ft., ø8 1 Adjustable sleeve, ø8 1 59" Pipe Length, ø8, cut to L=31 ¼" (Leftover is not used) 1 45° Lateral Branch, ø8-ø8-ø4 1 Cable Hanger, 15 ft., ø8 1 Adjustable sleeve, ø8 1 59" Pipe Length, ø8, cut to L=35 ¾" (Leftover is not used) 1 45° Lateral Branch, ø8-ø8-ø4 1 Cable Hanger, 15 ft., ø8 1 Adjustable sleeve, ø8 1 59" Pipe Length, ø8, cut to L=42" (Leftover is not used) 1 45° Lateral Branch, ø8-ø8-ø4	31 T	
1 Adjustable sleeve, ø8 1 59" Pipe Length, ø8, cut to L=53" (Leftover is not used) 1 45° Lateral Branch, ø8-ø8-ø4 1 Cable Hanger, 15 ft., ø8 1 Adjustable sleeve, ø8 1 59" Pipe Length, ø8, cut to L=31 ¼" (Leftover is not used) 1 45° Lateral Branch, ø8-ø8-ø4 1 Cable Hanger, 15 ft., ø8 1 Adjustable sleeve, ø8 1 59" Pipe Length, ø8, cut to L=35 ¾" (Leftover is not used) 1 45° Lateral Branch, ø8-ø8-ø4 1 Cable Hanger, 15 ft., ø8 1 Adjustable sleeve, ø8 1 59" Pipe Length, ø8, cut to L=42" (Leftover is not used) 1 45° Lateral Branch, ø8, cut to L=42" (Leftover is not used) 1 45° Lateral Branch, ø8-ø8-ø4	31 T	1 45° Lateral Branch, ø8-ø8-ø4
1 59" Pipe Length, ø8, cut to L=53" (Leftover is not used) 1 45° Lateral Branch, ø8-ø8-ø4 1 Cable Hanger, 15 ft., ø8 1 Adjustable sleeve, ø8 1 59" Pipe Length, ø8, cut to L=31 ¼" (Leftover is not used) 1 45° Lateral Branch, ø8-ø8-ø4 1 Cable Hanger, 15 ft., ø8 1 Adjustable sleeve, ø8 1 59" Pipe Length, ø8, cut to L=35 ¾" (Leftover is not used) 1 45° Lateral Branch, ø8-ø8-ø4 1 Cable Hanger, 15 ft., ø8 1 Adjustable sleeve, ø8 1 59" Pipe Length, ø8, cut to L=42" (Leftover is not used) 1 45° Lateral Branch, ø8-ø8-ø4	28 T	1 Cable Hanger, 15 ft., ø8
1 45° Lateral Branch, ø8-ø8-ø4 1 Cable Hanger, 15 ft., ø8 1 Adjustable sleeve, ø8 1 59" Pipe Length, ø8, cut to L=31 ¼" (Leftover is not used) 1 45° Lateral Branch, ø8-ø8-ø4 1 Cable Hanger, 15 ft., ø8 1 Adjustable sleeve, ø8 1 59" Pipe Length, ø8, cut to L=35 ¾" (Leftover is not used) 1 45° Lateral Branch, ø8-ø8-ø4 1 Cable Hanger, 15 ft., ø8 1 Adjustable sleeve, ø8 1 59" Pipe Length, ø8, cut to L=42" (Leftover is not used) 1 45° Lateral Branch, ø8-ø8-ø4	28 T	
1 45° Lateral Branch, ø8-ø8-ø4 1 Cable Hanger, 15 ft., ø8 1 Adjustable sleeve, ø8 1 59" Pipe Length, ø8, cut to L=31 ¼" (Leftover is not used) 1 45° Lateral Branch, ø8-ø8-ø4 1 Cable Hanger, 15 ft., ø8 1 Adjustable sleeve, ø8 1 59" Pipe Length, ø8, cut to L=35 ¾" (Leftover is not used) 1 45° Lateral Branch, ø8-ø8-ø4 1 Cable Hanger, 15 ft., ø8 1 Adjustable sleeve, ø8 1 59" Pipe Length, ø8, cut to L=42" (Leftover is not used) 1 45° Lateral Branch, ø8-ø8-ø4	28 T	•
1 Cable Hanger, 15 ft., Ø8 1 Adjustable sleeve, Ø8 1 59" Pipe Length, Ø8, cut to L=31 ¼" (Leftover is not used) 1 45° Lateral Branch, Ø8-Ø8-Ø4 1 Cable Hanger, 15 ft., Ø8 1 Adjustable sleeve, Ø8 1 59" Pipe Length, Ø8, cut to L=35 ¾" (Leftover is not used) 1 45° Lateral Branch, Ø8-Ø8-Ø4 1 Cable Hanger, 15 ft., Ø8 1 Adjustable sleeve, Ø8 1 59" Pipe Length, Ø8, cut to L=42" (Leftover is not used) 1 45° Lateral Branch, Ø8-Ø8-Ø4	28 T	•
1 Adjustable sleeve, ø8 1 59" Pipe Length, ø8, cut to L=31 ¼" (Leftover is not used) 1 45° Lateral Branch, ø8-ø8-ø4 1 Cable Hanger, 15 ft., ø8 1 Adjustable sleeve, ø8 1 59" Pipe Length, ø8, cut to L=35 ¾" (Leftover is not used) 1 45° Lateral Branch, ø8-ø8-ø4 1 Cable Hanger, 15 ft., ø8 1 Adjustable sleeve, ø8 1 59" Pipe Length, ø8, cut to L=42" (Leftover is not used) 1 45° Lateral Branch, ø8-ø8-ø4	25 T	
1 59" Pipe Length, ø8, cut to L=31 ¼" (Leftover is not used) 1 45° Lateral Branch, ø8-ø8-ø4 1 Cable Hanger, 15 ft., ø8 1 Adjustable sleeve, ø8 1 59" Pipe Length, ø8, cut to L=35 ¾" (Leftover is not used) 1 45° Lateral Branch, ø8-ø8-ø4 1 Cable Hanger, 15 ft., ø8 1 Adjustable sleeve, ø8 1 59" Pipe Length, ø8, cut to L=42" (Leftover is not used) 1 45° Lateral Branch, ø8-ø8-ø4	25 T	
1 45° Lateral Branch, ø8-ø8-ø4 1 Cable Hanger, 15 ft., ø8 1 Adjustable sleeve, ø8 1 59" Pipe Length, ø8, cut to L=35 ¾" (Leftover is not used) 1 45° Lateral Branch, ø8-ø8-ø4 1 Cable Hanger, 15 ft., ø8 1 Adjustable sleeve, ø8 1 59" Pipe Length, ø8, cut to L=42" (Leftover is not used) 1 45° Lateral Branch, ø8-ø8-ø4	25 T	•
 Cable Hanger, 15 ft., ø8 Adjustable sleeve, ø8 59" Pipe Length, ø8, cut to L=35 ¾" (Leftover is not used) 45° Lateral Branch, ø8-ø8-ø4 Cable Hanger, 15 ft., ø8 Adjustable sleeve, ø8 59" Pipe Length, ø8, cut to L=42" (Leftover is not used) 45° Lateral Branch, ø8-ø8-ø4 	25 T	· -
1 Adjustable sleeve, ø8 1 59" Pipe Length, ø8, cut to L=35 ¾" (Leftover is not used) 1 45° Lateral Branch, ø8-ø8-ø4 1 Cable Hanger, 15 ft., ø8 1 Adjustable sleeve, ø8 1 59" Pipe Length, ø8, cut to L=42" (Leftover is not used) 1 45° Lateral Branch, ø8-ø8-ø4	22 T	
1 59" Pipe Length, ø8, cut to L=35 ¾" (Leftover is not used) 1 45° Lateral Branch, ø8-ø8-ø4 1 Cable Hanger, 15 ft., ø8 1 Adjustable sleeve, ø8 1 59" Pipe Length, ø8, cut to L=42" (Leftover is not used) 1 45° Lateral Branch, ø8-ø8-ø4	22 T	-
 1 45° Lateral Branch, ø8-ø8-ø4 1 Cable Hanger, 15 ft., ø8 1 Adjustable sleeve, ø8 1 59" Pipe Length, ø8, cut to L=42" (Leftover is not used) 1 45° Lateral Branch, ø8-ø8-ø4 	22 T	
 1 Cable Hanger, 15 ft., ø8 1 Adjustable sleeve, ø8 1 59" Pipe Length, ø8, cut to L=42" (Leftover is not used) 1 45° Lateral Branch, ø8-ø8-ø4 	22 T	· · · · · · · · · · · · · · · · · · ·
 1 Adjustable sleeve, ø8 1 59" Pipe Length, ø8, cut to L=42" (Leftover is not used) 1 45° Lateral Branch, ø8-ø8-ø4 	19 T	
1 59" Pipe Length, ø8, cut to L=42" (Leftover is not used) 1 45° Lateral Branch, ø8-ø8-ø4	19 T	
1 45° Lateral Branch, ø8-ø8-ø4	19 T	•
	19 T	
	- ·	Page 2 of 6

16 T	1 Cable Hanger, 15 ft., ø8
16 T	1 Adjustable sleeve, ø8
16 T	1 Cut Pipe Length, ø8, L=39 ¼" (Leftover from section 39)
16 T	1 45° Lateral Branch, ø8-ø7-ø4
13 T	1 Cable Hanger, 15 ft., ø5
13 T	1 Adjustable sleeve, ø5
13 T	1 Cut Pipe Length, ø5, L=50 ½" (Leftover from section 12)
13 T	1 90° Elbow, 1.5xD, ø5
12 T	3 Cable Hanger, 15 ft., ø5
12 T	1 Adjustable sleeve, ø5
12 T	1 59" Pipe Length, ø5, cut to L=3 ½" (Leftover goes in section 13)
12 T	5 59" Pipe Length, ø5
12 T	1 45° Lateral Branch, ø5-ø4-ø4
09 T	1 Cable Hanger, 15 ft., ø7
09 T	1 Adjustable sleeve, ø7
09 T	1 59" Pipe Length, ø7, cut to L=45" (Leftover is not used)
09 T	1 45° Lateral Branch, ø7-ø5-ø5
35 D	1 45° Elbow, 1.5xD, ø4
35 D	1 Adjustable sleeve, ø4
35 D	1 59" Pipe Length, ø4, cut to L=17 ¼" (Leftover Is Not used)
34 D	1 Cut-Off Full
34 D	1 Flex Hose, ø4, L=76 1/4"
34 D	1 Hose Adapter, ø4
30 D	1 45° Elbow, 1.5xD, ø4
30 D	1 Adjustable sleeve, ø4
30 D	1 59" Pipe Length, ø4, cut to L=43 ½" (Leftover is not used)
29 D	1 Cut-Off Full
29 D	1 Flex Hose, ø4, L=49"
29 D	1 Hose Adapter, ø4
27 D	1 45° Elbow, 1.5xD, ø4
27 D	1 Adjustable sleeve, ø4
27 D	1 59" Pipe Length, ø4, cut to L=48 ½" (Leftover is not used)
26 D	1 Cut-Off Full
26 D	1 Flex Hose, ø4, L=44"
26 D	1 Hose Adapter, ø4
24 D	1 45° Elbow, 1.5xD, ø4
24 D	1 Adjustable sleeve, ø4
24 D	1 59" Pipe Length, ø4, cut to L=48 ½" (Leftover is not used)
23 D	1 Cut-Off Full
23 D	1 Flex Hose, ø4, L=44"
23 D	1 Hose Adapter, ø4
21 D	1 45° Elbow, 1.5xD, ø4
21 D	1 Adjustable sleeve, ø4
21 D	1 59" Pipe Length, ø4, cut to L=48 ½" (Leftover is not used)
20 D	1 Cut-Off Full
20 D	1 Flex Hose, ø4, L=44"
20 D 18 D	1 Hose Adapter, ø4 1 45° Elbow, 1.5xD, ø4
18 D	1 Adjustable sleeve, ø4
18 D	1 Adjustable sleeve, Ø4 1 59" Pipe Length, Ø4, cut to L=48 ½" (Leftover is not used)
18 D 17 D	1 59 Pipe Length, Ø4, cut to L=48 ½ (Lettover is not used) 1 Cut-Off Full
17 D 17 D	1 Flex Hose, ø4, L=44"
17 D 17 D	1 Fiex Hose, Ø4, L=44 1 Hose Adapter, Ø4
17 D 15 D	1 Hose Adapter, Ø4 1 45° Elbow, 1.5xD, Ø4
15 D	1 Adjustable sleeve, ø4 Page 3 of 6

15 D	1 59" Pipe Length, Ø4, cut to L=48 3/4" (Leftover is not used)
14 D	1 Cut-Off Full
14 D	1 Flex Hose, Ø4, L=44"
14 D	1 Hose Adapter, ø4
11 D	1 45° Elbow, 1.5xD, ø4
11 D	1 Adjustable sleeve, ø4
11 D	1 59" Pipe Length, Ø4, cut to L=50 1/4" (Leftover is not used)
10 D	1 Cut-Off Full
10 D	1 Flex Hose, Ø4, L=44"
10 D	1 Hose Adapter, ø4
08 D	1 45° Elbow, 1.5xD, ø5
08 D	1 Adjustable sleeve, ø5
08 D	1 Cut Pipe Length, ø5, L=48" (Leftover from section 06)
07 D	1 Cut-Off Full
07 D	1 Flex Hose, ø5, L=44"
07 D	1 Hose Adapter, ø5
06 D	1 Cable Hanger, 15 ft., ø5
06 D	1 Adjustable sleeve, ø5
06 D	1 59" Pipe Length, ø5, cut to L=7 ¼" (Leftover goes in section 08)
06 D	1 59" Pipe Length, ø5
06 D	1 90° Elbow, 1.5xD, ø5
05 D	1 Adjustable sleeve, ø5
05 D	1 59" Pipe Length, ø5, cut to L=57" (Leftover is not used)
04 D	1 Cut-Off Full
04 D	1 Flex Hose, ø5, L=44"
04 D	1 Hose Adapter, ø5
03 D	2 Cable Hanger, 15 ft., ø4
03 D	1 Adjustable sleeve, ø4
03 D	1 59" Pipe Length, ø4, cut to L=37" (Leftover is not used)
03 D	2 59" Pipe Length, ø4
03 D	1 90° Elbow, 1.5xD, ø4
02 D	1 Adjustable sleeve, ø4
02 D	1 59" Pipe Length, ø4, cut to L=58 ½" (Leftover is not used)
01 D	1 Cut-Off Full
01 D	1 Flex Hose, ø4, L=35 1/4"
01 D	1 Hose Adapter, ø4

Last revised on 7/8/2025 8:29:13 AM.

Unless otherwise stated, packaging and shipping charges will be added after the items have shipped.

- DuctQuote.com is designed to ensure ductwork is sized for proper air velocity and volume only. All issues related to safety and duct supports as well as compliance with industrial or governmental guidelines, codes and regulations are the responsibility of the customer and end user.
- Duct Quote users are responsible for reviewing their layouts and Bill of Materials to confirm their order accuracy.
- Duct Quotes are covered under the "The Incredible Guarantee". For details see our website https://www.us-duct.com/blog/when-it-comes-delivery-incredible-guarantee.
- US Duct standard Terms & Conditions Apply. These can be viewed at www.us-duct.com.
- All prices are subject to change based on metal pricing or system changes.
- This quote, including the images, are the property of US-Duct and the Dealer named on the quote. Any use, unless approved by US-Duct or the named dealer, is prohibited.

This quote specifies US Duct products which have been selected by the customer named on this quote. Any other quote must provide the following to be equivalent.

- a. This quote submittal provides 3D images of the ducting system which can be accessed online. These online images allow display of diameters of duct sections.
- b. The 3D images are able to index each duct section with a reference number.
- c. This submittal can include a report of pressure calculations upon request to the dealer named on this quote. This report can show pressure loss information for each duct section in the system.
- d. The pressure calculations must show, at a minimum, Loss Coefficient, Air volume, Air Velocity, Velocity Pressure and Static pressure for all sections.
- e. This quote submittal can include installation instructions specific to the system(s) being quoted. These instructions should include lengths to cut duct sections if any cutting is required. If the remaining duct piece can be used elsewhere in the system, the instructions should indicate where it can be used. This can be obtained from the dealer named on this quote.
- f. This quote submittal can include a Bill of Materials (BoM) listing all parts needed in the quoted system. The BoM is accessible online with a secure login.
- g. The 3D model of the system(s) should be available as either an STL or IFC file format.
- h. Any Spark Trap must be a US Duct patented Spark Trap or equivalent.
- i. Duct fittings (elbows and branches) must allow for adjustability in connections.
- j. All clamps in clamping duct systems must be made of 304 stainless steel.
- k. Any airtight ducting sections must be US Duct "US Tubing" Clamp together, airtight duct or equivalent.
- I. Ducting not requiring airtight connections must be US Duct Rolled Lip Clamp together duct or equivalent.

