

DUCTWORK #2 PARTS – JOB#5294505 DOUBLE WALL											
TAG	PART #	CFM	GPM	ZONE	COVERED BY	SP	WEIGHT	VELOCITY	QTY	DESCRIPTION	
P1	DW1829DWLT-2R-S	2900				-0.007	50.46	1641.06	1	DOUBLE WALL DUCT – 18” INNER DUCT, 29’ LONG – 2 LAYERS REDUCED CLEARANCE – 22” STAINLESS STEEL OUTER SHELL.	
P2	DW1847DWAJD-2R-S	2900				-0.006	107.98	1641.06	1	DOUBLE WALL ADJUSTABLE DUCT – 18” INNER DUCT – 2 LAYERS REDUCED CLEARANCE – 22” STAINLESS STEEL OUTER SHELL. MIN LENGTH = 11’ / MAX LENGTH = 48.5’ / ADJUSTMENT = 30.5’ / ADJUSTABLE SECTION MAY NEED TO BE CUT. INCLUDES SINGLE AND DOUBLE WALL “V” CLAMPS.	
P3	DW1890DWASY-2R-S	2900				-0.084	45.59	1641.06	1	DOUBLE WALL DUCT – 18” INNER 90 DUCT – 2 LAYERS REDUCED CLEARANCE – 22” STAINLESS STEEL OUTER SHELL.	
P4	DW1801DWOFFSETASY-2R-S	2900				-0.002	14.66	1641.06	1	DOUBLE WALL DUCT – 18” INNER DUCT RISER & 1 DEGREE OFFSET – 2 LAYERS REDUCED CLEARANCE – 22” STAINLESS STEEL OUTER SHELL.	
P5	DW1827DWAJD-2R-S	2900				-0.004	62.85	1641.06	1	DOUBLE WALL ADJUSTABLE DUCT – 18” INNER DUCT – 2 LAYERS REDUCED CLEARANCE – 22” STAINLESS STEEL OUTER SHELL. MIN LENGTH = 11’ / MAX LENGTH = 24.5’ / ADJUSTMENT = 13.5’ / ADJUSTABLE SECTION MAY NEED TO BE CUT. INCLUDES SINGLE AND DOUBLE WALL “V” CLAMPS.	
P6	DW2226SADKIT						8.80		1	DUCT – HORIZONTAL SADDLE SUPPORT KIT, USED WITH 22” DD – INCLUDES UNI-STRUT CUT TO LENGTH, DW2226SAD, & HARDWARE BAG 4.	
P7	DW1801DWOFFSETASY-2R-S	2900				-0.002	14.66	1641.06	1	DOUBLE WALL DUCT – 18” INNER DUCT RISER & 1 DEGREE OFFSET – 2 LAYERS REDUCED CLEARANCE – 22” STAINLESS STEEL OUTER SHELL.	
P8 ASSEMBLED W/P9	DW18DWTEASY-2R-S	2900		1		-0.168	55.68	1641.06	1	DOUBLE WALL DUCT – 18” INNER TEE DUCT – 2 LAYERS REDUCED CLEARANCE – 22” STAINLESS STEEL OUTER SHELL.	
P9 ASSEMBLED W/P8 □=S	DW18DWACCDORCOV-2R-S						26.16		1	DOUBLE WALL DUCT – 18” INNER ACCESS DOOR & 22” ACCESS DOOR COVER WITH CLAMPS – 2 LAYERS REDUCED CLEARANCE – 22” STAINLESS STEEL OUTER SHELL.	
P10 ASSEMBLED W/P11	DW1835DWLTP-2R-S	2900				-0.008	58.74	1641.06	1	DOUBLE WALL DUCT – 18” INNER DUCT, 35’ LONG – 2 LAYERS REDUCED CLEARANCE – 22” STAINLESS STEEL OUTER SHELL – USED WITH TRANSITION PLATES	
P11 ASSEMBLED W/P10	DW2618TPDBEX	2900					9.00	1641.06	1	DUCT TO CURB TRANSITION 3/4” DOWN TURN, 26 1/2” CURB TO 18” DUCT, 16 GA ALUMINIZED. USED ON NCA16FA / NCA16HPFA & NCA18FA / NCA18HPFA. TRANSITION PLATE DD IS 27.00’ DESIGNED FOR USE WITH EXHAUST FAN. NON-STANDARD PART.	
SYSTEM AT P11						-1.178	0.00				
P12	DW2226SADKIT						8.80		1	DUCT – HORIZONTAL SADDLE SUPPORT KIT, USED WITH 22” DD – INCLUDES UNI-STRUT CUT TO LENGTH, DW2226SAD, & HARDWARE BAG 4.	
	3M-2000PLUS						0.80		3	DUCT – 3M FIRE BARRIER 2000 PLUS SILICONE – USED AS SEALANT TO SEAL DUCT JOINTS.	
	DW18DWCLASY-2R-S						8.70		3	DUCT – 18” DUCT – 22” DOUBLE “V” CLAMP – 2R INSULATION & SINGLE “V” CLAMP INCLUDED – REDUCED CLEARANCE.	
TOTAL WEIGHT							491.88				

DOUBLE WALL FACTORY BUILT DUCTWORK

- ALL DUCTWORK IS REQUIRED TO BE INSTALLED WITH THE MAXIMUM SUPPORT SPACING LISTED BELOW.
- FOR A COMPLETE LIST OF APPROVED SUPPORT METHODS, SEE THE ENTIRE INSTALLATION AND OPERATION MANUAL.
- DUCTWORK SHALL SLOPE NOT LESS THAN 1/16” PER LINEAR FOOT TOWARDS THE HOOD OR AN APPROVED GREASE COLLECTION RESERVOIR.
- WHERE HORIZONTAL DUCTS EXCEED 75 FEET IN LENGTH, THE SLOPE SHALL NOT BE LESS THAN 3/16” PER LINEAR FOOT.

HORIZONTAL	
DUCT DIAMETER	SUPPORT SPACING (FT)
5’	7’
6’	7’
7’	7’
8’	7’
10’	7’
12’	7’
14’	7’
16’	7’
18’	5’
20’	5’
22’	5’
24’	5’
26’	5’
28’	5’
30’	5’
32’	5’
34’	5’
36’	5’

VERTICAL			
TYPE	WALL SUPPORT (FT)	CURB SUPPORT (FT)	FLOOR SUPPORT (FT)
2R & 2R HT (5’-16’)	20’	24’	24’
2R (18’)	18’	24’	24’
3R & 3Z (5’-24’)	10’	24’	24’
3Z (26’ -36’)	10’	20’	20’

DO NOT LEAK TEST USING SMOKE BOMBS CONTAINING CHLORINES/CHLORIDES. CONSULT WITH CAPTIVEAIRE FOR PROPER LEAK TESTING METHODS.

REVISIONS

DESCRIPTION	DATE

CAPTIVEAIRE

Southern California Office

www.captiveaire.com

Panda Express – Newport News VA (D8164) – rev1

6104 Jefferson Ave,
Newport News, VA 23605

DATE: 1/26/2022

DWG.#: 5294505

DRAWN BY: AH-86

SCALE: 3/4” = 1’-0”

MASTER DRAWING

SHEET NO. 11



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FOR INFORMATION ONLY

PANDA EXPRESS

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JEFFERSON AVE. & MORRIS DR.
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M-410

HOOD DETAIL PLAN

TRUE WARM & WELCOME 2300 R6

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