

DUCTWORK #1 PARTS – JOB#4781039 DOUBLE WALL

TAG	PART #	CFM	SP	WEIGHT	VELOCITY	QTY	DESCRIPTION
P1	DW1829DWLT–2R–S	3450	–0.01	50.46	1952.30	1	DOUBLE WALL DUCT – 18" INNER DUCT, 29" LONG – 2 LAYERS REDUCED CLEARANCE – 22" STAINLESS STEEL OUTER SHELL.
P2	DW1847DWAJD–2R–S	3450	–0.009	107.98	1952.30	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	3450	–0.119	45.59	1952.30	1	DOUBLE WALL DUCT – 18" INNER 90 DUCT – 2 LAYERS REDUCED CLEARANCE – 22" STAINLESS STEEL OUTER SHELL.
P4	DW1801DWOFFSETASY–2R–S	3450	–0.003	14.66	1952.30	1	DOUBLE WALL DUCT – 18" INNER DUCT RISER & 1 DEGREE OFFSET – 2 LAYERS REDUCED CLEARANCE – 22" STAINLESS STEEL OUTER SHELL.
P5	DW1827DWAJD–2R–S	3450	–0.006	62.85	1952.30	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" OD – INCLUDES UNI–STRUT CUT TO LENGTH, DW2226SAD, & HARDWARE BAG 4.
P7	DW1801DWOFFSETASY–2R–S	3450	–0.003	14.66	1952.30	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	3450	–0.238	55.68	1952.30	1	DOUBLE WALL DUCT – 18" INNER TEE DUCT – 2 LAYERS REDUCED CLEARANCE – 22" STAINLESS STEEL OUTER SHELL.
P9 ASSEMBLED W/P8 O=S	DW18DWACCDOORCOV–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	DW1835DWLTTT–2R–S	3450	–0.012	58.74	1952.30	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	3450		9.00	1952.30	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 OD IS 27.00" DESIGNED FOR USE WITH EXHAUST FAN. NON–STANDARD PART.
SYSTEM AT P11			–1.0353	0.00			
	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				483.08			

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:
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Δ	
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DATE: 3/5/2021


DWG.#: 4781039

DRAWN BY: AH–86

SCALE: 3/4" = 1'–0"

MASTER DRAWING

SHEET NO. 8



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REVISIONS:

ISSUE DATE:

1st	BUILDING PERMIT SET	03-29-21


DRAWN BY: -

PANDA PROJECT #: S8-22-D8072

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FOR REFERENCE ONLY



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HOOD DETAIL PLAN

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