

DUCTWORK #2 PARTS – JOB#4748429 DOUBLE WALL

TAG	PART #	CFM	SP	WEIGHT	VELOCITY	QTY	DESCRIPTION
P1	DW1829DVLT-2R-S			50.46		1	DOUBLE WALL DUCT – 18” INNER DUCT, 29’ LONG – 2 LAYERS REDUCED CLEARANCE – 22” STAINLESS STEEL OUTER SHELL.
P2	DW1847DWAJD-2R-S			107.98		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			45.59		1	DOUBLE WALL DUCT – 18” INNER 90 DUCT – 2 LAYERS REDUCED CLEARANCE – 22” STAINLESS STEEL OUTER SHELL.
P4	DW1801DWOFFSETASY-2R-S			14.66		1	DOUBLE WALL DUCT – 18” INNER DUCT RISER & 1 DEGREE OFFSET – 2 LAYERS REDUCED CLEARANCE – 22” STAINLESS STEEL OUTER SHELL.
P5	DW1827DWAJD-2R-S			62.85		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	DW1801DWOFFSETASY-2R-S			14.66		1	DOUBLE WALL DUCT – 18” INNER DUCT RISER & 1 DEGREE OFFSET – 2 LAYERS REDUCED CLEARANCE – 22” STAINLESS STEEL OUTER SHELL.
P7 ASSEMBLED W/P8	DW18DVTEASY-2R-S			55.68		1	DOUBLE WALL DUCT – 18” INNER TEE DUCT – 2 LAYERS REDUCED CLEARANCE – 22” STAINLESS STEEL OUTER SHELL.
P8 ASSEMBLED W/P7 □-S	DW18DWACDDORCDV-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.
P9 ASSEMBLED W/P10	DW1835DWLTP-2R-S			58.74		1	DOUBLE WALL DUCT – 18” INNER DUCT, 35’ LONG – 2 LAYERS REDUCED CLEARANCE – 22” STAINLESS STEEL OUTER SHELL – USED WITH TRANSITION PLATES
P10 ASSEMBLED W/P9	DW2618TPDBEX			9.00		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.
	3M-2000PLUS			0.80		3	DUCT – 3M FIRE BARRIER 2000 PLUS SILICONE – USED AS SEALANT TO SEAL DUCT JOINTS.
	DW18DWCLASY-2R-S			8.70		4	DUCT – 18” DUCT – 22” DOUBLE “V” CLAMP – 2R INSULATION & SINGLE “V” CLAMP INCLUDED – REDUCED CLEARANCE.
TOTAL WEIGHT				482.98			

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.

DUCTWORK #2 FRONT VIEW

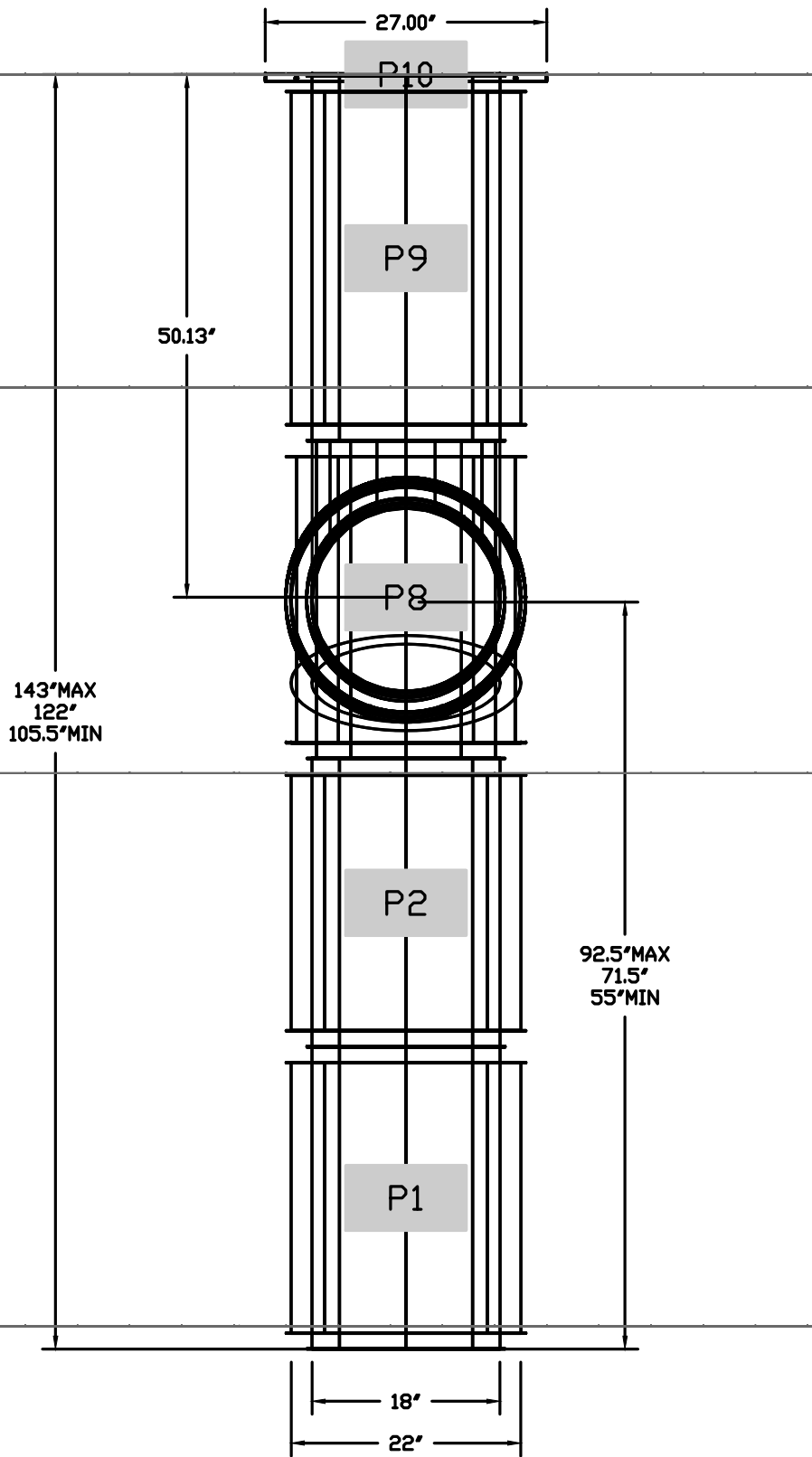
Exh Curb (+229.00’AFF)

Roof (+199.00’AFF)

Truss (+162.00’AFF)

Soft Ceiling (+109.00’AFF)

Floor (+0.00’AFF)



REVISIONS

DESCRIPTION	DATE



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Panda Express – Tampa FL (D8135)

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DATE: 2/18/2021

DWG.#: 4748429

DRAWN BY: AH-86

SCALE: 3/4" = 1'-0"

MASTER DRAWING

SHEET NO.

10

PRE-FABRICATED DOUBLE WALL ROUND DUCT IS AVAILABLE AS AN ALTERNATE HVAC CONTRACTOR OR GENERAL CONTRACTOR TO CONTACT REGION 86 @ 714-957-1500 OR REG86@CAPTIVEAIRE.COM FOR DESIGN AND PRICING



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REVISIONS:	

ISSUE DATE:	
1	04.29.2021 ISSUE FOR PERMIT
2	06.04.2021 ISSUE FOR BID

DRAWN BY: SDT

PANDA PROJECT #: - S8-22-D8135
C&P PROJECT #: - 2200775



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06.04.2021

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