

DUCTWORK #2 PARTS – JOB#4717869 DOUBLE WALL										
TAG	PART #	CFM	GPM	ZONE	COVEREDBY	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		1		-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 OD-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	DW1835DWLTTP-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			
P12	DW2226SADKIT						8.80		1	DUCT – HORIZONTAL SADDLE SUPPORT KIT, USED WITH 22” OD – 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.

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

REVISIONS

DESCRIPTION	DATE:
Δ	
Δ	
Δ	
Δ	

CAPTIVEAIRE

Southern California Office

www.captiveaire.com

reg86@captiveaire.com

3002 Dow Ave., Suite 410, Tustin, CA, 92780

PHONE: (714) 957-1500

FAX: (914) 227-5975

EMAIL: reg86@captiveaire.com

Panda Express – Fayetteville NC

FAYETTEVILLE, NC, 28301

DATE: 4/19/2021

DWG.#: 4717869

DRAWN BY: AH-86

SCALE: 3/4” = 1’-0”

MASTER DRAWING

SHEET NO.

11

PANDA RESTAURANT GROUP INC.
1683 Walnut Grove Ave.
Rosemead, California 91770
Telephone: 626.799.9898
Facsimile: 626.372.8288

All ideas, designs, arrangement and plans indicated or represented by this drawing are the property of Panda Express Inc. and were created for use on this specific project. None of these ideas, designs, arrangements or plans may be used by or disclosed to any person, firm, or corporation without the written permission of Panda Express Inc.

REVISIONS:
Δ REV 1 - 04.22.2021 PERMIT COMMENTS

ISSUE DATE:
1 02.09.2021 ISSUE FOR PERMIT
2 04.22.2021 ISSUE FOR BID

DRAWN BY: IRR

PANDA PROJECT #: - S8-21-D8101
C&P PROJECT #: - 2210016

Culaci & Peterson

Architects Engineers Planners

2600 Maitland Center Pkwy, Maitland, FL 32751
P (407) 661-9100
F (407) 661-9101
www.c.p.ca
Florida Company Certificate #AA-C000026

04.22.2021

PANDA EXPRESS
TRUE WARM AND WELCOME 2300
3101 RAEFORD ROAD
FAYETTEVILLE, NC 28303

M-410

HOOD DETAIL PLAN

TRUE WARM & WELCOME 2300 R4