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DUCTWORK #2 PARTS – JOB#5966108 DOUBLE WALL

TAG	PART #	CFM	GPM	ZONE	COVEREDBY	SP	WEIGHT	VELOCITY	QTY	DESCRIPTION
P1	DW1829DWLT-2R-S	3000				-0.007	50.46	1697.65	1	DOUBLE WALL DUCT – 18" INNER DUCT, 29' LONG – 2 LAYERS REDUCED CLEARANCE – 22" STAINLESS STEEL OUTER SHELL.
P2	DW1847DWAJD-2R-S	3000				-0.007	107.98	1697.65	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	3000				-0.09	45.59	1697.65	1	DOUBLE WALL DUCT – 18" INNER 90 DUCT – 2 LAYERS REDUCED CLEARANCE – 22" STAINLESS STEEL OUTER SHELL.
P4	DW1801DWOFFSETASY-2R-S	3000				-0.002	14.66	1697.65	1	DOUBLE WALL DUCT – 18" INNER DUCT RISER & 1 DEGREE OFFSET – 2 LAYERS REDUCED CLEARANCE – 22" STAINLESS STEEL OUTER SHELL.
P5	DW1847DWAJD-2R-S	3000				-0.01	107.98	1697.65	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.
P6	DW1801DWOFFSETASY-2R-S	3000				-0.002	14.66	1697.65	1	DOUBLE WALL DUCT – 18" INNER DUCT RISER & 1 DEGREE OFFSET – 2 LAYERS REDUCED CLEARANCE – 22" STAINLESS STEEL OUTER SHELL.
P7 ASSEMBLED W/P8	DW18DWTEASY-2R-S	3000		1		-0.144	55.68	1697.65	1	DOUBLE WALL DUCT – 18" INNER TEE DUCT – 2 LAYERS REDUCED CLEARANCE – 22" STAINLESS STEEL OUTER SHELL.
P8 ASSEMBLED W/P7 Q=S	DW18DWACCDORRCOV-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	DW1835DWLTTP-2R-S	3000				-0.009	58.74	1697.65	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	3000					9.00	1697.65	1	DUCT TO CURB TRANSITION 3/4" DOWN TURN, 26 1/2" CURB TO 18" DUCT, 16 GA ALUMINIZED. USED ON NCA16FA / NCA18HPFA & NCA18FA / NCA18HPFA. TRANSITION PLATE OD IS 27.00" DESIGNED FOR USE WITH EXHAUST FAN. NON-STANDARD PART.
SYSTEM AT P10						-1.231	0.00			
P11	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							528.21			

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.

NOTE: UNLESS OTHERWISE STATED, PANDA RESTAURANT GROUP SHALL PROVIDE ALL EQUIPMENT ON THE FOLLOWING CAPTIVEAIRE SHEETS, INCLUDING HOODS, FIRE SYTEM, EXHAUST FANS, SUPPLY FAN, BATHROOM FAN AND ELECTRICAL INTERLOCK PACKAGE.

DOUBLE WALL DUCT BY MECHANICAL PLEASE USE CONTACT BELOW FOR PRICING

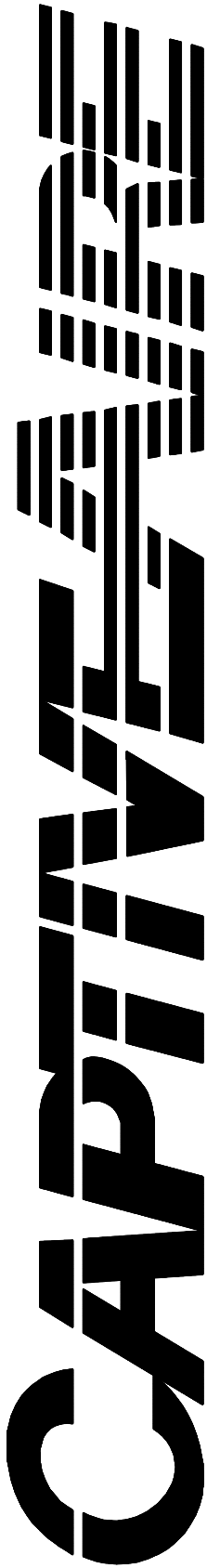
ANSUL GAS VALVE:

THE ANSUL GAS VALVE IS PROVIDED BY CAPTIVEAIRE SYSTEMS. CONTACT OUR OFFICE WITH THE VALVE SIZE 3 DAYS IN ADVANCE OF WHEN IT IS NEEDED ON SITE.

FOR QUESTIONS CALL THE CAPTIVEAIRE SOUTHERN CA NATIONAL ACCOUNTS OFFICE
3002 DOW AVENUE, SUITE 410
TUSTIN, CA 92780
TEL: 714-677-2963 EMAIL: REG83@CAPTIVEAIRE.COM

REVISIONS

DESCRIPTION	DATE
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Panda Express – Monroe GA

MONROE, GA, 30655

DATE: 4/21/2023

DWG#: 5966108

DRAWN BY: AH-83

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

MASTER DRAWING

SHEET NO. 11

KPI ENGINEERING, INC.

PROFESSIONAL ENGINEERS

"No matter the Scope, KPI has YOU Covered"

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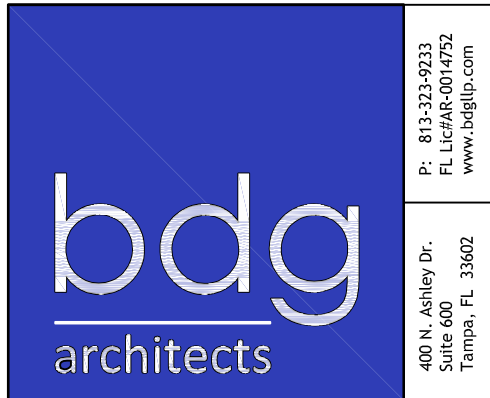
REVISIONS:

ISSUE DATE:

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PANDA PROJECT #: TBD
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DEAN S. KENYON, P.E.
GA LIC. # PE032813 EXP. 12/31/2024

PANDA EXPRESS

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HOOD DETAIL PLAN

PANDA HOME SQUARE 2600 R2