DUCTWORK #1 PARTS - JOB#4494028

TAG	PART #	CFM	SP	WEIGHT	VELOCITY	QTY	DESCRIPTION
P1	DW1045DWASY-2R-S	1100	-0.0665	13.60	2016.81	1	DOUBLE WALL DUCT - 10" INNER 45 DUCT - 2 LAYERS REDUCED CLEARANCE - 14" STAINLESS STEEL OUTER SHELL.
P2	DW1045DWASY-2R-S	1100	-0.095	13.60	2016.81	1	DOUBLE WALL DUCT - 10" INNER 45 DUCT - 2 LAYERS REDUCED CLEARANCE - 14" STAINLESS STEEL OUTER SHELL.
P3	DW1023DWLT-2R-S	1100	-0.0196	23.31	2016.81	1	DOUBLE WALL DUCT - 10" INNER DUCT, 23" LONG - 2 LAYERS REDUCED CLEARANCE - 14" STAINLESS STEEL OUTER SHELL.
P4	DW1047DWAJD-2R-S	1100	-0.0204	72.54	2016.81	1	DOUBLE WALL ADJUSTABLE DUCT - 10" INNER DUCT - 2 LAYERS REDUCED CLEARANCE - 14" STAINLESS STEEL OUTER SHELL. MIN LENGTH = 11" / MAX LENGTH = 43.5" / ADJUSTMENT = 31.5" / ADJUSTABLE SECTION MAY NEED TO BE CUT. INCLUDES SINGLE AND DOUBLE WALL "V" CLAMPS.
P5 ASSEMBLED W/P6	DW1035DWLTTP-2R-S	1100	-0.03	36.51	2016.81	1	DOUBLE WALL DUCT - 10" INNER DUCT, 35" LONG - 2 LAYERS REDUCED CLEARANCE - 14" STAINLESS STEEL OUTER SHELL - USED WITH TRANSITION PLATE.
P6 ASSEMBLED W/P5	DW2310TP	1100	0	8.49	2016.81	1	DUCT TO CURB TRANSITION, 23" CURB TO 10" DUCT, 16 GA ALUMINIZED. MISC. NON-STANDARD TRANSITION PLATE.
SYSTEM AT P6		1100	-0.8905				
	DW14DWRISER-2R-S			6.45		1	DOUBLE WALL RISER COVER - USED ON 10" INNER RISER, 4' LONG - 2 LAYERS REDUCED CLEARANCE - 14" STAINLESS STEEL OUTER RISER SHELL ASSEMBLY. INCLUDES INSULATION & SINGLE V CLAMPS FOR INNER & OUTER CONNECTIONS.
	3M-2000PLUS			0.80		1	DUCT - 3M FIRE BARRIER 2000 PLUS SILICONE - USED AS SEALANT TO SEAL DUCT JOINTS.
	DW10DWCLASY-2R-S			5.67		20	DUCT - 10" DUCT - 14" DOUBLE "V" CLAMP - 2R INSULATION & SINGLE "V" CLAMP INCLUDED - REDUCED CLEARANCE.
TOTAL WEIGHT				186.64			

SINGLE 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 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.

DUCT DIAMETER	HORIZONTAL SUPPORT (FT)	VERTICAL WALL SUPPORT (FT)	VERTICAL CURB SUPPORT (FT)
5"	10'	10'	24'
6"	10'	10'	24'
7"	10'	10'	24'
8"	10'	10'	24'
10"	10'	10'	24'
12"	10'	10'	24'
14"	10'	10'	24'
16"	10'	10'	24'
18"	10'	10'	24'
20"	10'	10'	24'
22"	10'	10'	24'
24"	10'	10'	24'

DOUBLE WALL FACTORY BUILT DUCTWORK

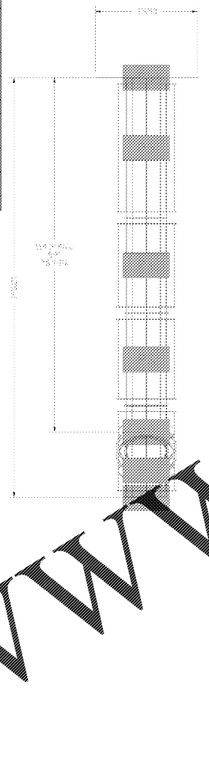
- ALL DUCTWORK IS REQUIRED TO BE INSTALLED WITH THE MAXIMUM SUPPORT SPACING LISTED BELOW.
- FOR A COMPLETE LIST OF APPROVED SUPPORT METHODS, SEE THE ENTIRE INSTALLATION AND OPERATION MANUAL.
- DUCTWORK SHALL SLOPE NOT LESS THAN 1/16" PER LINEAR FOOT TOWARDS THE HOOD OR AN APPROVED GREASE COLLECTION RESERVOIR.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

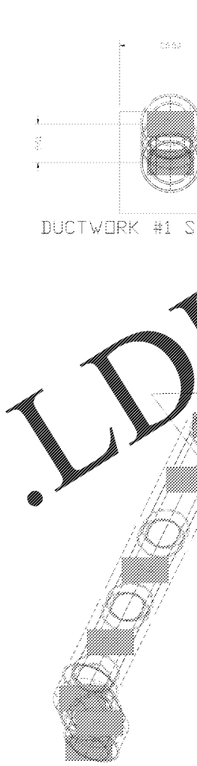
VERTICAL			
TYPE	WALL SUPPORT (FT)	CURB SUPPORT (FT)	FLOOR SUPPORT (FT)
2R & 2R HT (5"-16")	20'	24'	24'
2R (18")	15'	24'	24'
3R & 3Z (5"-24")	10'	24'	24'
3Z (26" -36")	10	20'	20'

DO NOT LEAK TEST USING SMOKE BOMBS CONTAINING CHLORINE COMPOUNDS. CONSULT WITH CAPTIVEAIRE FOR PROPER LEAK TESTING METHODS.

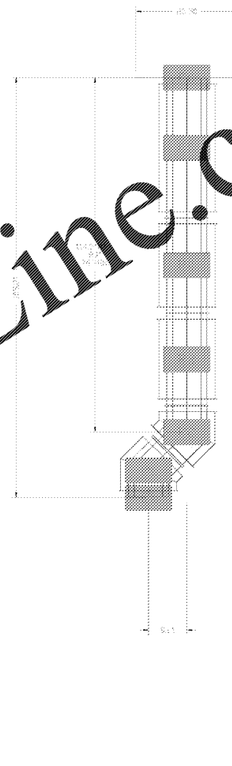
DUCTWORK #1 FRONT VIEW



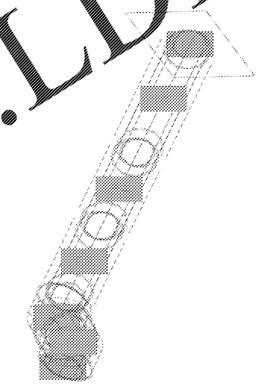
DUCTWORK #1 TOP VIEW



DUCTWORK #1 SIDE VIEW



DUCTWORK #1 SE VIEW



SYSTEM DESIGN VERIFICATION (SDV)

IF ORDERED, CAS SERVICE WILL PERFORM A SYSTEM DESIGN VERIFICATION (SDV) ONCE ALL EQUIPMENT HAS HAD A COMPLETE START UP PER THE OPERATION AND INSTALLATION MANUAL. TYPICALLY, THE SDV WILL BE PERFORMED AFTER ALL INSPECTIONS ARE COMPLETE.

ANY FIELD RELATED DISCREPANCIES THAT ARE DISCOVERED DURING THE SDV WILL BE BROUGHT TO THE ATTENTION OF THE GENERAL CONTRACTOR AND CORRESPONDING TRADES ON SITE. THESE ISSUES WILL BE DOCUMENTED AND FORWARDED TO THE APPROPRIATE SALES OFFICE. IF CAS SERVICE HAS TO RESOLVE A DISCREPANCY THAT IS A FIELD ISSUE, THE GENERAL CONTRACTOR WILL BE NOTIFIED AND BILLED FOR THE WORK. SHOULD A RETURN TRIP BE REQUIRED DUE TO ANY FIELD RELATED DISCREPANCY THAT CANNOT BE RESOLVED DURING THE SDV, THERE WILL BE ADDITIONAL TRIP CHARGES.

DURING THE SDV, CAS SERVICE WILL ADDRESS ANY DISCREPANCY THAT IS THE FAULT OF THE MANUFACTURER. SHOULD A RETURN TRIP BE REQUIRED, THE GENERAL CONTRACTOR AND APPROPRIATE SALES OFFICE WILL BE NOTIFIED. THERE WILL BE NO ADDITIONAL CHARGES FOR MANUFACTURER DISCREPANCIES.

Order Plans @ WWW.LDILine.com

REVISIONS

DESCRIPTION	DATE

CAPTIVEAIRE
Seattle Office
1301 Pacific Ave, Everett, WA, 98201 PHONE: (425) 212-5998 FAX: (425) 212-5998 EMAIL: reg8@captiveaire.com
www.captiveaire.com

7Eleven - 1045634 SURFSIDE BEACH, SC
1401 Coventry Rd,
Myrtle Beach, SC, 29575

DATE: 8/25/2020

DWG.#: 4494028

DRAWN BY: A_CASH 85

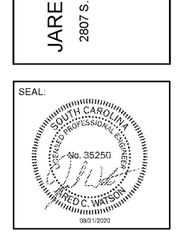
SCALE: 3/4" = 1'-0"

MASTER DRAWING

SHEET NO. 6

JARED C. WATSON, PE
2807 S. CREEKSIDE DR, SUITE 701
ROGERS, AR 72758
479-877-3188
SC LICENSE # 35250

SEAL:



STIPULATION FOR REUSE

THE DRAWING WAS PREPARED FOR USE ON THE SPECIFIC SITE MYRTLE BEACH, SC. ANY WITH THIS ISSUE DATE OR LIST AND NOT PRESENT PROJECT SITE OR AT A LATER TIME, USE EXAMPLE ON ANOTHER PROJECT WITHOUT WRITTEN PERMISSION FROM THE LICENSED ARCHITECTS AND ENGINEERS. ANY UNAUTHORIZED USE OF, OR REUSE ON ANOTHER PROJECT IS NOT AUTHORIZED AND MAY BE CONTRARY TO THE LAW.

Submissions:

7-ELEVEN, INC.
3200 HACKBERRY ROAD, IRVING, TEXAS 75063

7-ELEVEN #1045634
1401 COVENTRY ROAD
MYRTLE BEACH, SC 29575

JOB NUMBER: 20022
CHECKED BY:
DRAWN BY:
DATE: 08/31/20

TITLE:
KITCHEN HOOD SUBMITTALS

SHEET:
M3.5